Monthly Mariner's Update Coastal Virginia Offshore Wind (CVOW)	Date of Applicability:	01 July 2025
	Issue:	07/25
	Revision:	00

The goal of the Monthly Mariner's Update is to give a high-level overview of ongoing and planned near-term construction activities, and the vessels involved. Questions regarding construction operations are welcome, preferably well in advance of each construction activity. These questions and comments can be directed here.

- ***The USCG has created a GIS-based Local Notice to Mariners product that is useful in visualizing project activities (Select Marine Construction Layer)- Maritime Safety Information Products \| Navigation Center***
- ***USCG Notice: Introducing the New NAVCEN Maritime Safety Information Application***
- ***Previous issues of the CVOW Mariner's Update and additional resources can be found here.***

Project Background Information

Offshore construction work for CVOW commenced in February 2024 with relocation of Munitions of Explosive Concern (MECs). Monopile (MP) foundation installation began in May 2024, subsea cable installation activities began in August 2024, and Transition Piece (TP) installation commenced in late December 2024. MP installation resumed in May 2025.

Virginia Electric and Power Company d/b/a Dominion Energy Virginia (Dominion Energy) is constructing and will operate the Coastal Virginia Offshore Wind Project (Project or CVOW). The Project is located in the Commercial Lease of Submerged Lands for Renewable Energy Development on the Outer Continental Shelf Offshore Virginia - Lease No. OCS-A 0483 (Lease Area), with buried subsea cables connecting CVOW to shore (**Figure 1**). The purpose of this Project is to provide 2.6 gigawatts of clean, reliable offshore wind energy to our customers while providing substantial economic and environmental benefits to the Commonwealth of Virginia.

Offshore components of the Project will consist of the following:

- 176 Wind Turbine Generators (WTGs), each with a capacity of 14.7 megawatts, and associated MP foundations;
- Three (3) Offshore Substations (OSS);
- Approximately 231 miles (372 kilometers) of total length of Inter-Array Cables (IACs) in the CVOW Lease Area; average IAC length of 5,868 feet (1,789 meters) between WTGs and connected to OSSs; and
- Nine (9) buried submarine high-voltage alternating-current Offshore Export Cables (OECs), approximately 350 miles (563 kilometers) of total length, connecting the OSSs to shore at the State Military Reservation in Virginia Beach, Virginia.

The offshore project components, including the WTGs, OSSs, IACs and OECs, will be located in federal waters in the Lease Area (**Figure 2**). Portions of the OECs will also be located in Commonwealth of Virginia waters (within three miles of shore).

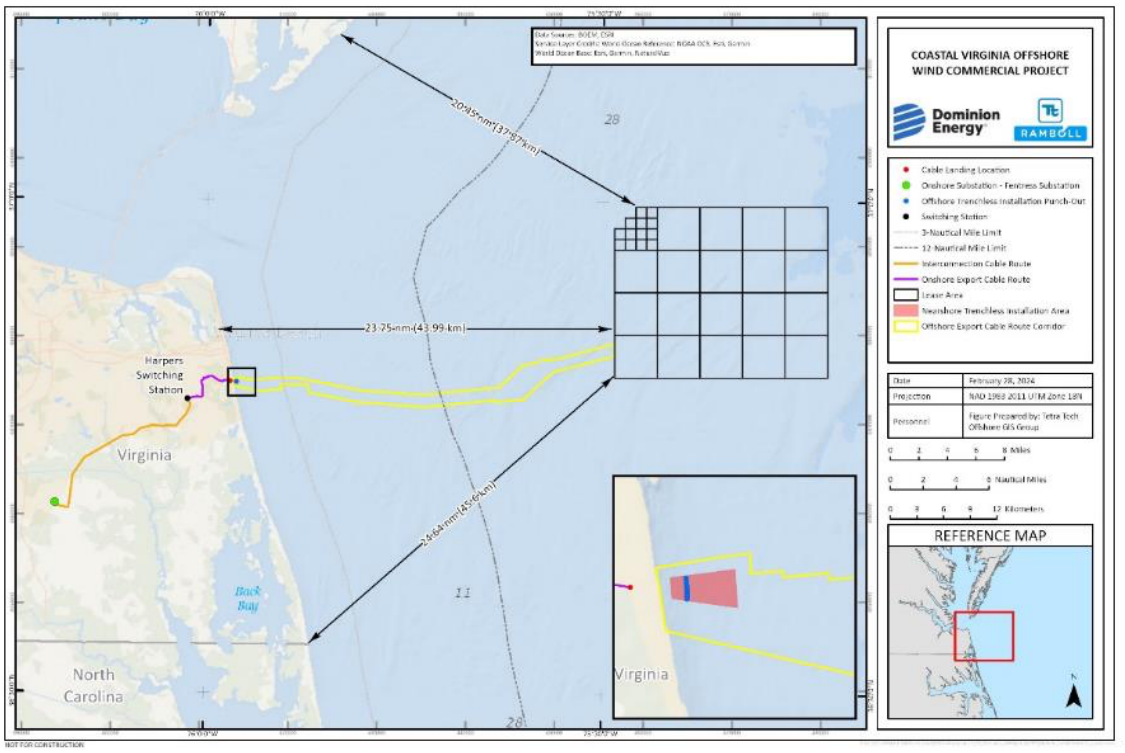

Figure 1: Boundary of CVOW project

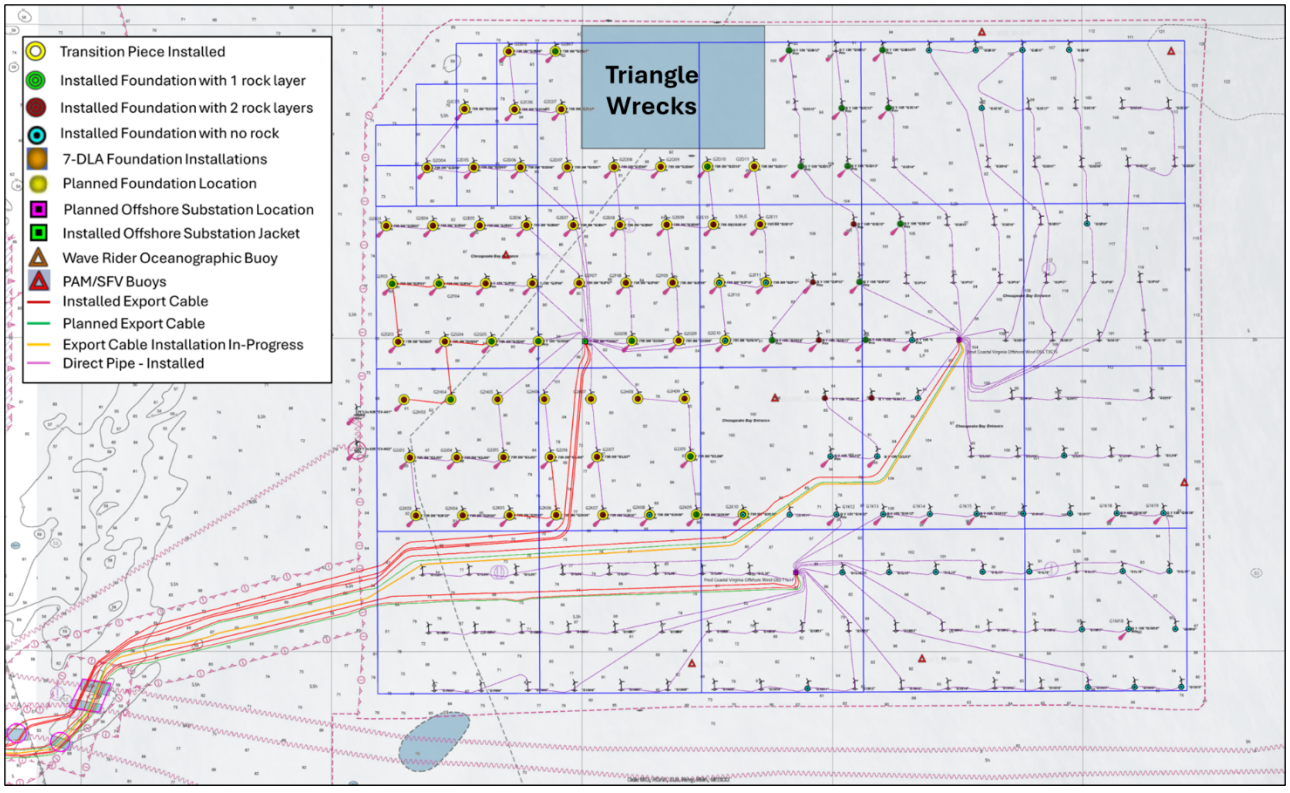

Figure 2: WTG and OSS Layout and Installation Status as of 30-JUN-2025

Work planned for the period of July 1 – July 31

Lease Area Activities

- M/V ORION continues MP and pin-pile installation, which resumed in early May.
  - The HOS BLACKHAWK and HOS BENELLI are providing support with Double Big Bubble Curtains during pile driving operations.
  - The GO EXPLORER, GO PURSUIT, and TM DILIGENCE will provide Protected Species Observer platforms and buoy maintenance support.
  - The Uncrewed Surface Vessel (USV) DOLPHIN01, operated remotely from ORION, will be conducting periodic survey operations of rock placement around MPs. Updates on specific locations will be provided in the weekly Local Notice to Mariners.
- The CLV LIVING STONE will install IACs, supported by the HOS BLACK FOOT.
- The M/V HOS BRIARWOOD is supporting commissioning work on OSS #2.
- The M/V YELLOWSTONE will continue installing scour (rock) protection at the foundation bases.

Deepwater OEC Activities

- The CLV LIVING STONE will conduct Omega Jointing operations southeast of the “CB-Buoy” marking the Chesapeake Bay deepwater channel entrance during the month.
  - **Mariners are advised to exercise caution when operating in the vicinity of the Omega Jointing operations, the installation vessel is extremely limited in maneuverability due to the nature of the cable jointing activity (Figure 3).**
- The CLV MONNA LISA will conduct simultaneous cable lay and burial operations for deepwater sections of OEC #8 and #9.
- The HOS BAYOU will conduct concrete mattress installation at crossing locations with existing telecommunications cables.
- The M/V ROLLING STONE will conduct rock bag and concrete mattress installations.

Shallow Water OEC Activities

- The Cable Laying Barge ULISSE will conduct nearshore cable #6 and #7 installation from the shore landing to ~12-nautical miles offshore.
  - **The USCG has established a moving Safety Zone with a 1000-yard radius surrounding the ULISSE while this work is ongoing. Please see the Federal Register for additional details.**
  - The ULISSE will be supported by anchor handling tugs, cable handling vessels, diver support vessels, and dedicated safety vessels.

Other Activities

- Safety vessels consisting of F/V NOREEN MARIE, F/V PONTOS, Tug WASHINGTON, and MOR MARLIN will support project activities.
- Large project components will continue to arrive and be staged at the Portsmouth Marine Terminal.
- Ongoing fisheries resource studies continue in and around the southern and southeastern portion of the Lease Area.

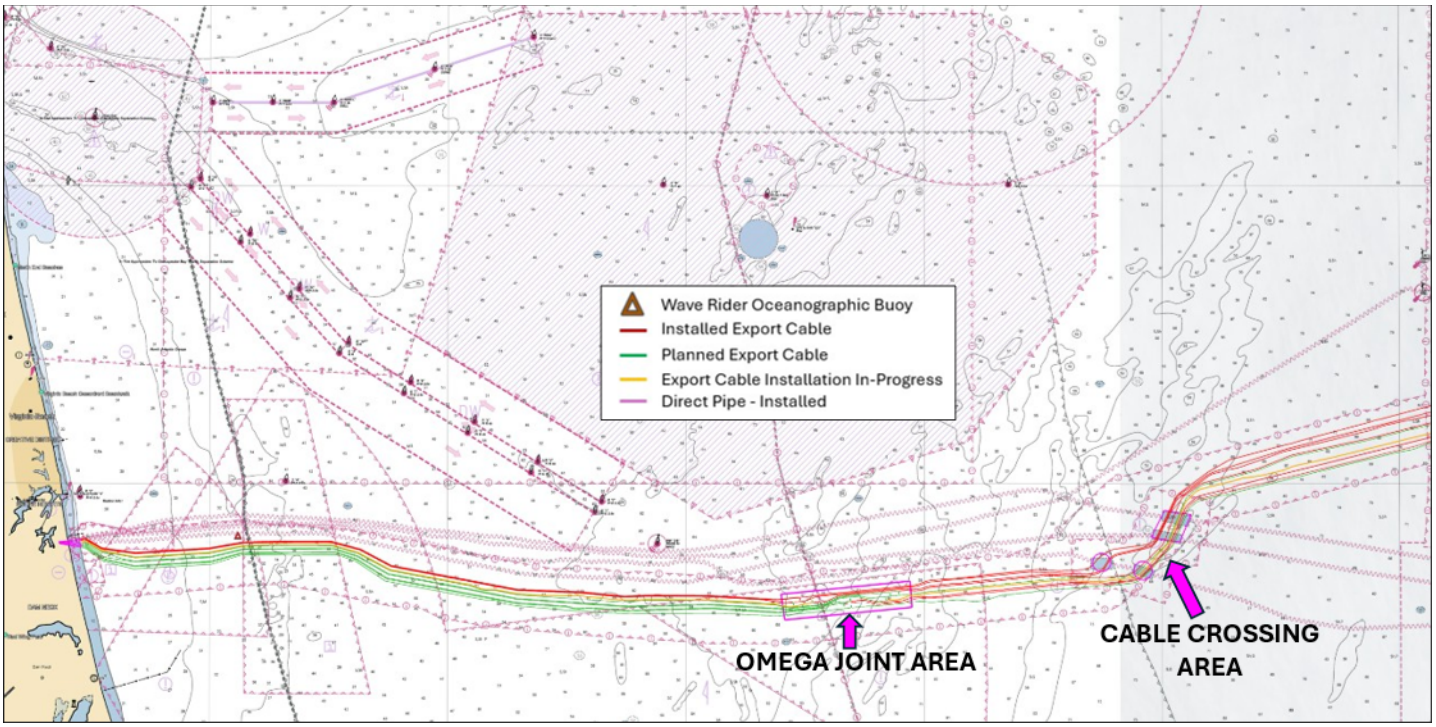

Figure 3: OEC Installation Status as of 30-JUNE-2025; positions for Omega Joint Operations and Cable Crossings are highlighted. Mariners should exercise caution when transiting in the vicinity of the Omega Joint Operations; the vessel is extremely limited in maneuverability due to cable jointing activity.

CVOW GIS Shapefiles of the project area and export cable corridor are available here for download.

CVOW Marine Coordination Center

The CVOW project established a shoreside Marine Coordination Center (MCC) to monitor and coordinate all offshore activities related to project construction and operations. The MCC is staffed 24 hours a day, 7 days a week and can provide further project details if required.

Marine Coordination Center Contact Information	757-366-7000 (desk)
	757-731-8307 (cell)
	Email: *CVOWOps@dominionenergy.com*

Offshore Installation Activities

The installation (pile driving) operations of MPs for the WTGs and pin piles for the OSSs resumed in May 2025, at the conclusion of the North Atlantic right whale migration period. MP and pin pile installation will continue through July in addition to cable installation, scour protection installation, and seabed preparation activities. As of June 30, 2025, one hundred and eight (108) of 176 MP foundations for the WTGs have been installed, fifty-nine (59) of the 176 TPs have been installed, all pin piles for the OSSs have been installed, and the first of three (3) OSSs has been installed.

The ORION will continue MP installation with the HOS BLACKHAWK and HOS BENELLI providing Double Big Bubble Curtain support. The GO EXPLORER, GO PURSUIT, and TM DILIGENCE will provide Protected Species Observer and Sound Field Verification (SFV) buoy support platforms. The M/V YELLOWSTONE will continue scour protection (rock) installation at the WTG foundation locations. The HOS BRIARWOOD is supporting commissioning work on OSS #2.

TP installation has been suspended while the ORION conducts MP installation. Specific locations for installed MPs, scour protection, and TPs are provided in a table at the end of this publication.

Figure 4: Installed TPs along "Row F" spaced 0.9-miles apart and Offshore Substation with Topside.

The **Uncrewed Surface Vessel (USV) DOLPHIN01 (AIS-MMSI 253000106) (Figure 5)**, operated remotely by licensed mariners and surveyors onboard the ORION, will continue survey operations supporting rock placement around MPs. Updates on specific locations for USV DOLPHIN01 operations will be provided in the USCG LNM weekly update. To contact the vessel, please coordinate through the CVOW Marine Coordination Center.

The Cable Lay Barge ULISSE will continue shallow water cable installation from the cable landing site to ~12-nautical miles offshore. This operation will be supported by anchor handling tugs, cable handling vessels, diver support vessels, and a dedicated safety vessel

Figure 5: Uncrewed Surface Vessel (USV) DOLPHIN01

The project will continue to have safety vessels deployed in the area supporting specific operations. These will include commercial fishing vessels (e.g., F/V PONTOS and F/V NOREEN MARIE) and other vessels (Tug WASHINGTON and M/V MOR MARLIN) as needed. They are available 24/7 on VHF CH 16.

See the Seabed Preparation and Cable Installation section for more details.

Temporary Marine Lighting

Once MP, TP, and jackets are installed, quick-flashing yellow marine navigation lights will be installed and in operation from sunset to sunrise. MP foundations extend 15-feet above sea level.

MP lights will be repositioned on top of the TPs (~80' above sea level) as they are installed over the foundations. Updates to the lighting installations will be published in the USCG Local Notice to Mariners and USCG Light List.

For up-to-date status of foundation installations, please refer to the USCG ***Maritime Safety Information Products | Navigation Center***.

Extreme caution should be exercised when operating in the area. Please report any malfunctioning lights to the safety vessel on site and/or the Marine Coordination Center.

Figure 6: Lighted Navigation Lights on MP, OSS jacket foundations, and TPs

Seabed Preparation and Cable Installation

Cable installation operations will continue throughout the month within the cable corridor, which extends from a point approximately 400m offshore of State Military Reservation in Virginia Beach, Virginia, out to the OSS locations within the Lease Area.

Commercial fishermen utilizing fixed gear in the area of cable operations during this timeframe are requested to coordinate with the CVOW Fisheries Liaison (Ron Larsen: 570-242-5023) so that gear interactions can be avoided.

Inter-Array Cable Installation

The IAC installations within the Lease Area, between the WTGs and OSS #2, have begun and will continue through the month with CLV LIVING STONE, supported by the HOS BLACKFOOT.

Deepwater Cable Installation

Seven (7) deepwater sections and two (2) shallow water sections of the nine (9) export cables have been installed, totaling nearly 290 km in length. The CLV LIVING STONE will conduct OEC Omega Joint operations as needed. The CLV MONNA LISA (**Figure 7**) will install deepwater sections of OECs #8 and #9. Each cable is secured at either end by a mushroom anchor until it is pulled into the OSS and/or the Omega Joint is completed.

The HOS BAYOU and MV ROLLING STONE will perform mattress and rock bag installations at crossings with the charted subsea telecommunications cables (**Table 1-1**) and other areas as needed. We ask that all mariners be mindful of these cables and avoid anchoring or any other seabed-impacting activities in the vicinity of the cables.

The Omega jointing operations, splicing together the nearshore OEC with the deepwater OEC, take ~10-days per cable. **Mariners should exercise caution when transiting in the vicinity of the omega joint operations. The vessels are extremely limited in maneuverability due to cable jointing activity. A 1,000-meter exclusion zone will be requested during these splicing operations.** Reference the latest LNM for additional details.

Shallow Water Cable Installation

The Cable Laying Barge ULISSE (**Figure 8**) will conduct nearshore cable landfall and installation of OECs #6 and #7. Operations will begin with the shore landing and then proceed out to ~12 nautical miles offshore. The ULISSE will be supported by 6-9 vessels consisting of anchor handling tugs (VOE VIKING and VOE EARL), multiple work boats for cable handling (ANNABELLE MILLER, CAPT LES ELDRIDGE, CORNISHMAN, KERNOW, etc.), dive support vessels (STORM DIVER), and dedicated safety vessels (WASHINGTON and MOR MARLIN). Up to eight (8) anchor lines are used to position the ULISSE during operations (**Figure**) and can reach nearly 1000-meters in length. As a result, the USCG has established a moving Safety Zone with a 1000-yard radius surrounding the ULISSE while this work is ongoing, as published in the Federal Register and noted below (**Figure 10**).

At the nearshore installation site there will be occasional diving operations, which will be referenced with the international dive flag flown on the vessel during active activities. The STORM DIVER will also be broadcasting “Securitae” messages to alert nearby marine traffic.

These nearshore operations should not interfere with normal beach activity such as swimming and surfing.

Figure 7: Cable Lay Vessel MONNA LISA will conduct cable installation.

Table** Error! No text of specified style in document.**-1: Subsea telecommunications cable crossing locations.

Crossing Locations:
DUNANT & MAREA Crossing Polygon (18 crossings in total):
• **36° 49.530'N - 75° 34.950'W**
• **36° 49.460'N - 75° 34.390'W**
• **36° 49.000'N - 75° 34.630'W**
• **36° 49.080'N - 75° 35.230'W**
BRUSA East Circle (3 crossings) 0.15nm radius around:
• **36° 48.510'N - 75° 35.400'W**
BRUSA West Circle (3 crossings) 0.15nm radius around:
• **36° 48.650'N - 75° 36.280'W**

Figure 8: Cable Lay Barge ULISSE will be supporting cable landing and shallow water cable installation.

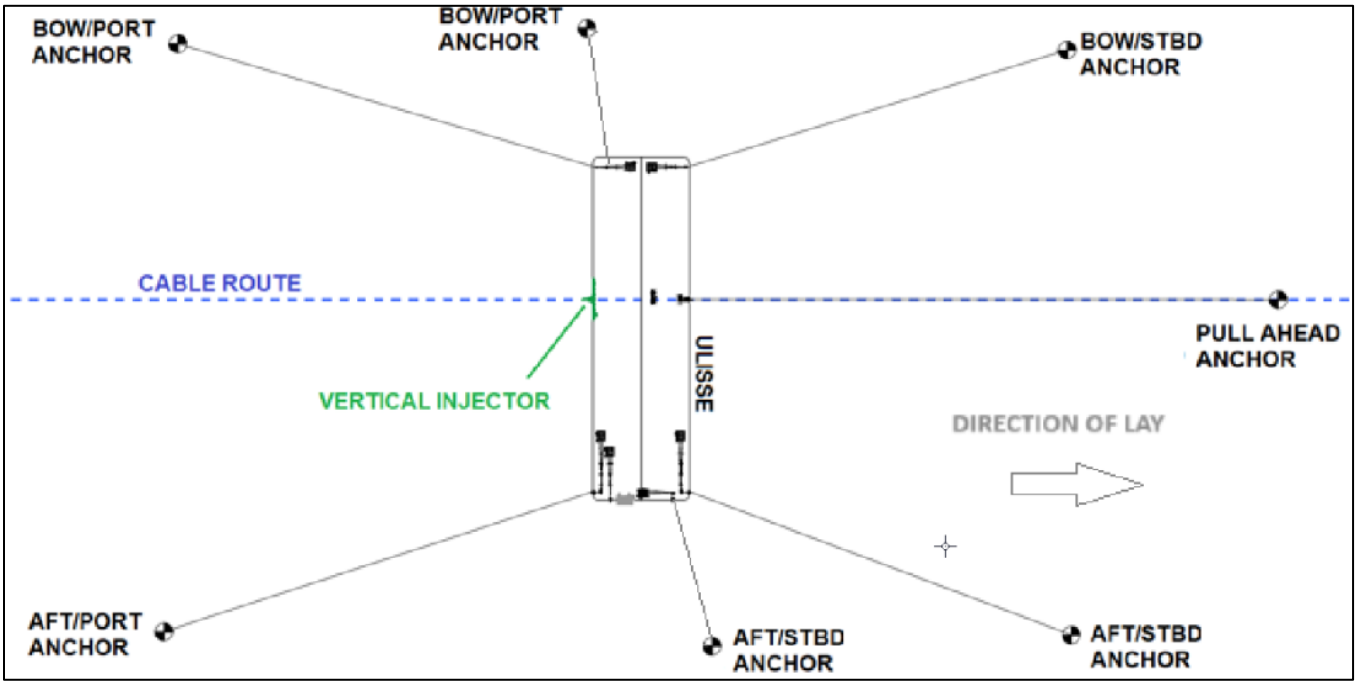

Figure 9: Cable Lay Barge ULISSE planned anchor configuration.

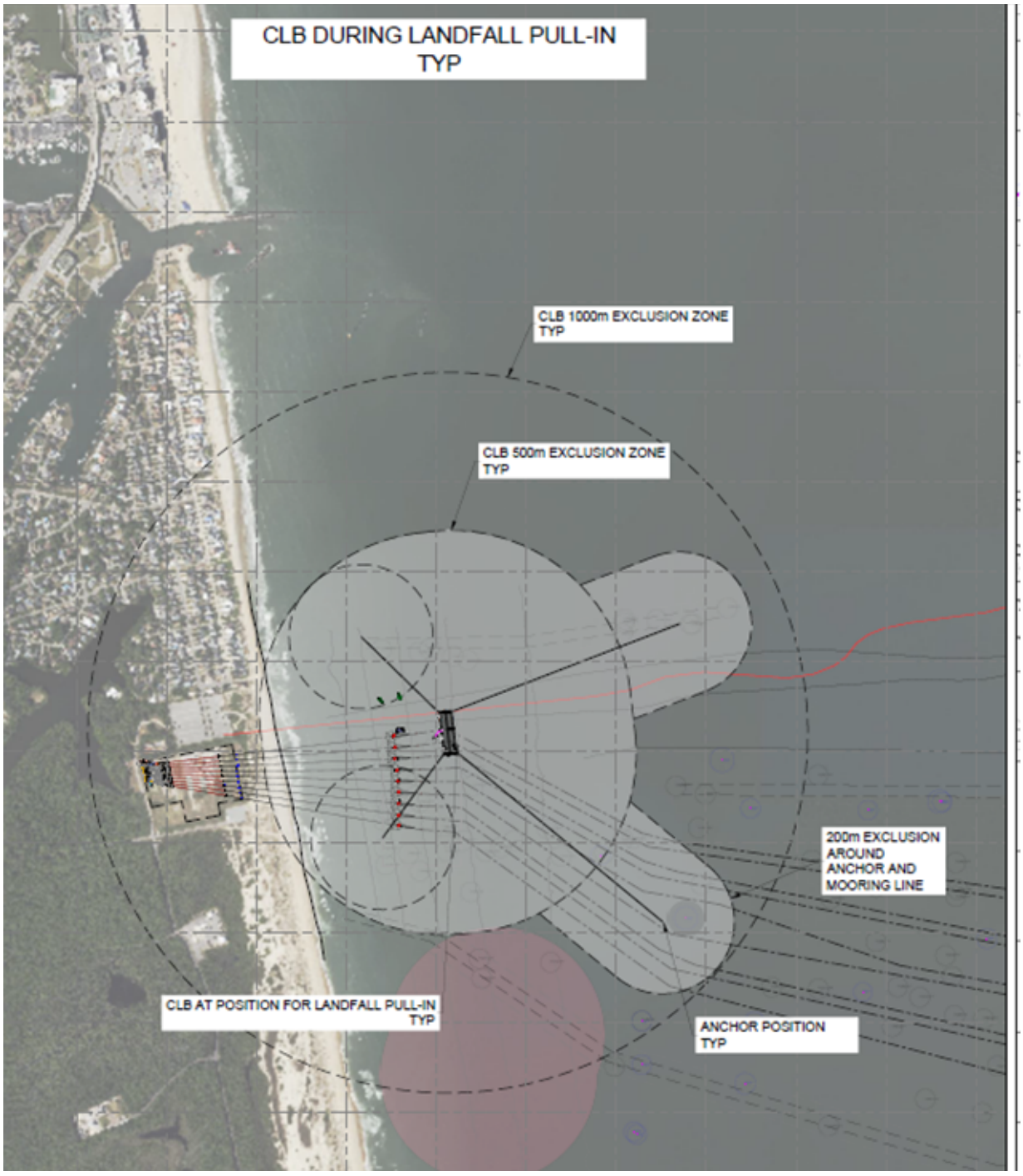

Figure 10: Exclusion zones to be implemented during cable landfall operations.

USCG Safety Zones in Effect at Installation Sites

1. The U.S. Coast Guard has established 179 temporary 500-meter safety zones around the construction of 176 wind turbine generators and three (3) offshore substations in Federal waters on the Outer Continental Shelf, east northeast of Virginia Beach, Virginia. This action is necessary to protect life, property and the environment during construction of the foundations and the subsequent installation of the turbine components, from May 1, 2024, to May 1, 2027. When enforced, only attending vessels and those vessels specifically authorized by the Fifth Coast Guard District Commander, or a designated representative, are permitted to enter or remain in the temporary safety zones. Each of the 179 temporary safety zones will be enforced individually, for a period lasting approximately 48 hours, as construction progresses from one structure to the next.

2. A moving Safety Zone with a **1000-yard radius** surrounding the **Cable Laying Barge ULISSE** will be in effect while conducting the near-shore cable installation work (within 12nm of the shoreline). Close to shore, there will be divers in the water to assist with cable pull-in operations, and throughout operations the ULISSE will have lengthy anchoring lines deployed that could create unseen entanglement hazards for transiting vessels in the area. It is recommended to establish communication with either the CVOW Marine Coordination Center or the on-site safety vessel on CH 16 to coordinate safe transit through the area. You may find a copy of the Notice of Proposed Rulemaking here. Once in effect, the information will be broadcast by the USCG ahead of cable landing operations, and a copy of the rulemaking will be available on the "Resources" page of the CVOW website.

3. The U.S. Coast Guard is enforcing a Temporary Regulated Navigation Zone from April 1, 2025, to August 1, 2025, requesting mariners to maintain a **minimum 500 yards** safe passing distance from the **CLV LIVING STONE** conducting subsea cable jointing activities in the vicinity of the "CB" Buoy due to limited maneuverability during jointing operations. Please reference the most recent LNM for additional details.

Port Operations

During the month of July, large components such as MPs and TPs will continue to arrive and be staged at Portsmouth Marine Terminal (PMT) (**Figure 11**). Wind turbine generator components, such as towers, nacelles, and blades, have also begun to arrive and are being staged at PMT.

Total Components Delivered to Portsmouth Marine Terminal	
MP Foundations	158
TPs	105
Towers	6
Nacelles	9
Blades	15
Offshore Substation Pin Piles	12
Pin Pile Templates	1

Figure 11: WTG Blade components arrival at Portsmouth Marine Terminal

Additional Offshore Activities

Buoy Deployment

There are fourteen (14) buoys deployed in the project area to support various project activities, including (2) oceanographic buoys (Wave Rider Buoy), six (6) Passive Acoustic Monitoring (PAM) buoys utilized to support detection of protected species in the project area, and six (6) Sound Field Verification (SFV) buoys are deployed to monitor sound propagation from the MP installation activities.

The positions of these buoys will change throughout the installation period. The SFV buoys will change more frequently as the MP installation locations change, and for that reason, their positions are not given below. Mariners should remain clear of these buoys to avoid damage and/or interference with their designated project monitoring activity.

NAME	BUOY TYPE	COORDINATES	DATE DEPLOYED
Wave Rider 1	Wave Rider	36.938688°N 075.441853°W	18 February 2025
Wave Rider ECC	Wave Rider	36.818467°N 075.907017°W	10 March 2025
PAM Buoy F	PAM Buoy	36.878009°N 075.216064°W	20 April 2025
PAM Buoy A	PAM Buoy	36.992872°N 075.220179°W	06 June 2025
PAM Buoy OSS4	PAM Buoy	36.900614°N 075.352309°W	22 April 2025
PAM Buoy B3P2	PAM Buoy	36.998012°N 075.283287°W	04 June 2025
PAM Buoy 1	PAM Buoy	36.831200°N 075.303447°W	11 June 2025
PAM Buoy D	PAM Buoy	36.829964°N 075.379968°W	24 June 2025

Fisheries

Fisheries Resource Characterization Studies

Dominion Energy continues working with the Virginia Institute of Marine Science (VIMS), the Virginia Marine Resource Commission (VMRC), and commercial fishermen to study Black Sea Bass and Channeled Whelk in and near the Project area, especially the areas shown in the chartlet in **Figure 12**. The use of new acoustic release device technology avoids the need for vertical lines and marker buoys in the water.

- **Black Sea Bass:** The study consists of eight (8) strings of ventless traps with 6 traps per string. Sampling once per month, with a 48-hour soak and acoustic release buoys are utilized to recover the gear. The chart below displays the study area, which includes locations south of the Lease Area. ***The Pre-Construction phase of this study has been concluded.***

- **Channeled Whelk:** The study uses eighteen (18) strings of seven (7) pots, a 48-hour soak time and recovery by acoustic release buoys. This cooperative study will be completed in partnership with local commercial whelk fishermen, and activities will continue into the summer of 2025. The study area includes the southern portion of the CVOW Lease Area (with future turbine locations) and a control area outside the Lease Area. The entire study area is outlined in green below.

- **Atlantic Surfclam:** The final report for the Atlantic Surfclam surveys that were conducted in June of 2023 has been published and is available on the CVOW Project Website here. This survey was a collaborative effort between VIMS, Rutger's University, VMRC, and Dominion Energy.

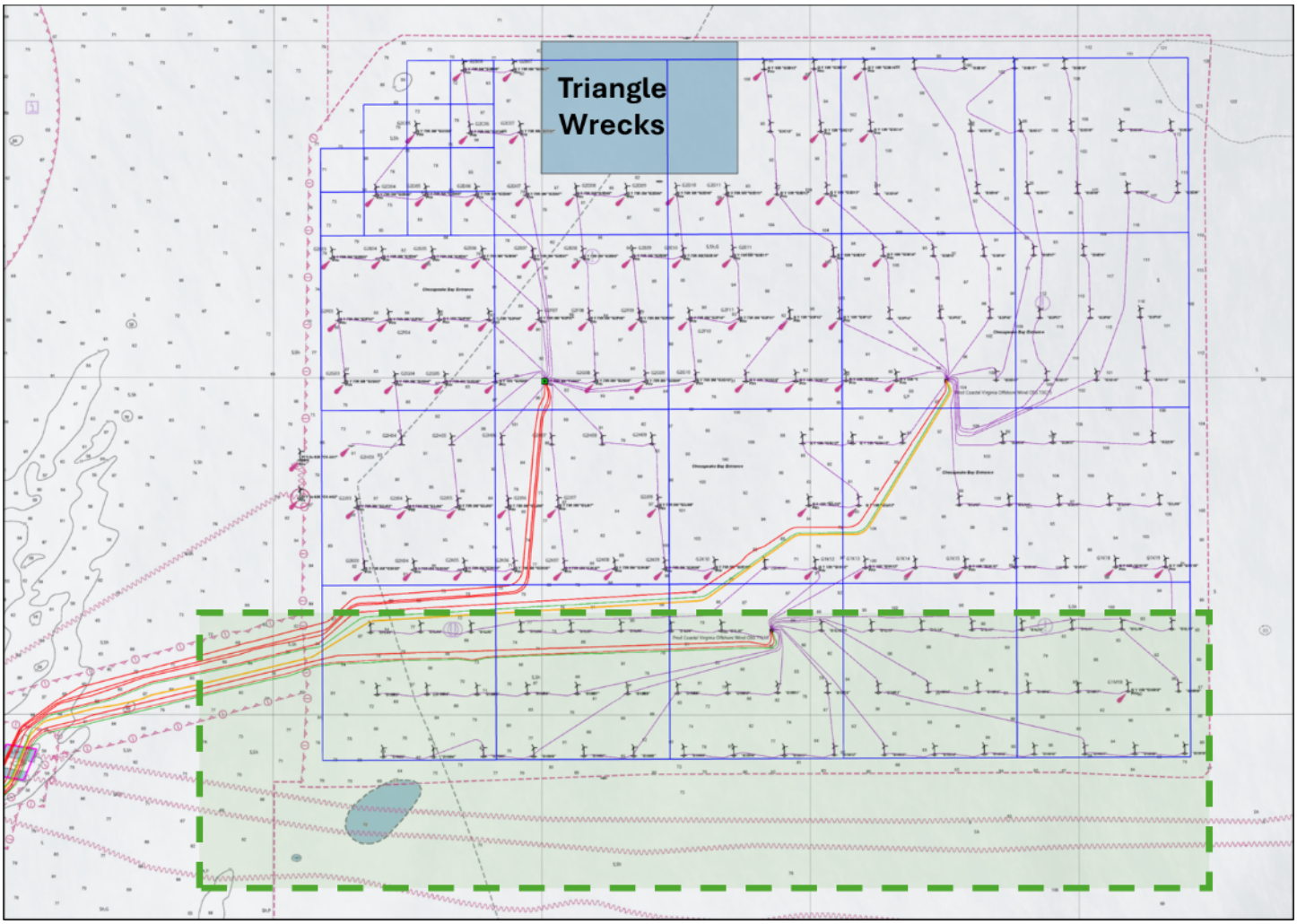

Figure 12: Fisheries Survey Locations

Recreational Fisheries and Public Access

- ***The OSS #2 location will remain a construction site until commissioning activities are complete, no activity (e.g., fishing, diving, etc.) is permitted within 500-meters of the OSS structure.***
- Access to the Lease Area for recreational activities is unrestricted unless construction activities are active.
- A 500-meter USCG-enforced Safety Zone is in place when construction activities are occurring at the site of each WTG and/or OSS installation.
- If Mariners have questions about access, the onsite project safety vessels can provide direction via VHF Marine 16. Alternatively, mariners may reach out directly to the CVOW Marine Coordination Center (757-366-7000)

***** Mariners are reminded not to touch or tie off to MPs and to remain vigilant for other vessels, including operational Project vessels, in the area. *****

CVOW Fisheries Compensatory Mitigation Program

The CVOW Fisheries Compensatory Mitigation Program has been established. The program is open to commercial and for-hire recreational fishing businesses that experience a demonstrated economic loss due to CVOW project construction and operations. Interested parties can find more information on the program website: **https://www.cvowfisheriescompensation.com/**.

Questions regarding eligibility or feedback on the structure of the program may be submitted to contact@cvowfisheriescompensation.com. Further details will be announced through direct outreach to potentially impacted parties, Mariner Updates, newsletters, and on the CVOW Maritime Community Page.

Fishing Gear Loss/Damage Claim Form

Fishermen who have experienced lost or damaged fishing gear as a direct result of CVOW construction activities may file a claim for reimbursement. The Claim Form can be found here. Questions should be directed to Ron Larsen or Michael Lewis.

Communications & Contact Information

We remain committed to maintaining communications with fishing communities and other mariners in the area via these periodic updates, informational speaking engagements and dock visits. This information is also posted on the CVOW website.

Mariners and the public are reminded that due to the nature of the construction activities, project vessels are often restricted in their ability to maneuver. It is requested that mariners communicate with project vessels on Channel 16 VHF to coordinate any necessary passing arrangements. Safety vessels will be on scene to assist with the coordination of commercial and public marine traffic and project vessels.

- Additional project information is available on the CVOW project website.
- Sign up to receive USCG Local Notice to Mariners Updates: Subscribe to Our RSS Feeds | Navigation Center (uscg.gov)
- GIS Shapefiles of the project site are available on the CVOW Mariners Page.
- USCG GIS-based LNM product to visualize project activities is available here, announced in this notice.

For additional information or requests for speaking engagements, please contact the following individuals or submit a comment on the CVOW website for response.

Ron Larsen
Fisheries Liaison Officer
Sea Risk Solutions
ronlarsen@searisksolutions.com
570-242-5023

Michael Lewis
CVOW Marine Affairs Manager
Dominion Energy
michael.b.lewis@dominionenergy.com
757-236-8222

Planned Project Vessels as of July 1, 2025

NAME	LENGTH	CALL SIGN	VESSEL NUMBER	MMSI	TYPE AND PURPOSE
Wind Turbine Generator (WTG) Installation and Support Vessels					
455-6 (barge)	400’	N/A	N/A	N/A	Barge
ALERT	140’	WCZ7335	9214381	366779420	Tug for Feeder Barge
AWARE	140’	WCZ7336	9214408	366779430	Tug for Feeder Barge
GO EXPLORER	164’	WDM7092	9469405	368230820	Protected Species Observer Coverage
GO PURSUIT	164’	WDH6498	9458884	367191410	Protected Species Observer Coverage
HOS BENELLI	280’	WDN9165	9382865	368324450	Double Big Bubble Curtain Deployment
HOS BLACKHAWK	279’	WDN7819	9382877	368311960	Double Big Bubble Curtain Deployment
HOS BRIARWOOD	302’	WDH3924	9672648	367612350	OSS Commissioning Support
JULIE B (barge)	400’	N/A	N/A	N/A	TP Feeder Barge
YELLOWSTONE	623’	LXAM7	9464792	253000108	Scour Protection Installation
OCEAN WAVE	146’	WDG3180	9554004	367523340	Tug for Feeder Barge
ORION	705’	ORMB	9825453	205755000	TP (TP) Installation Vessel
TM DILIGENCE	179’	WDQ2532	8976475	366851610	Protected Species Observer Coverage
USV DOLPHIN01	18’	ORMB	N/A	253000106	Uncrewed Survey Vessel
Cable Installation and Seabed Preparation Vessels					
ANNABELLE MILLER	185’	WDL5902	9575113	368145530	Cable Handling Support
CAPT. LES ELDRIDGE	59’	WDN7043	1205382	368304760	High Speed Craft
BAYOU	302’	WDH2368	9647681	367596850	Offshore Supply Ship; Mattress Installation
CORNISHMAN	32’	WDP9760	N/A	368401810	Nearshore Survey
HOS BLACK FOOT	302’	WDH3920	9647693	367612310	Offshore Supply Ship
KERNOW	32’	WDP9761	N/A	368401820	Cable Handling Vessel
LIVING STONE	528’	PBXN	9776925	244010952	Cable Laying Vessel
MONNA LISA	561’	IBAD	9995911	247415600	Cable Laying Vessel
NORTHSTAR NAVIGATOR	265’	WNMN	N/A	366766000	Offshore Supply Ship
ROLLING STONE	139’	PHYR	7814101	245746000	Offshore Construction Vessel; Mattress Installation
STORM DIVER	24’	SBHA	N/A	265501160	Diver Support Vessel
ULISSE	394’	9HA4326	8688535	249651000	Cable Lay Barge
VOE EARL	79’	2FEP6	9639983	235090599	Anchor Handling Tug
VOE VIKING	85’	MHWM4	9331139	235008930	Anchor Handling Tug
Safety Vessels					
F/V PONTOS	82'	WDJ2634	7832048	367087860	Fishing Vessel – Project Safety Vessel
F/V NOREEN MARIE	69’	WDE3392	N/A	367338460	Fishing Vessel – Project Safety Vessel
MOR MARLIN	30’	21GG6	N/A	235109495	Safety Vessel – Cable Landing
WASHINGTON	120’	WDH3844	9730646	367611520	ULISSE – Safety Vessel

NAME	LENGTH	CALL SIGN	VESSEL NUMBER	MMSI	TYPE AND PURPOSE
Transportation Vessels					
SUN RISE	554’	D7GU	9623219	440032000	Heavy Lift Transport Vessel
SUN SHINE	571’	D7DB	9471616	440040000	Heavy Lift Transport Vessel
Fisheries Resource Characterization Vessels					
FV SECOND TO NONE	46’	N/A	N/A	338363138	Commercial Fishing Vessel
FV THOMAS REED	49'	SURV1	N/A	367187470	Commercial Fishing Vessel
Crew Transfer Vessels (CTV)					
GAMEKEEPER	98’	WDP9841	1101928	368402460	Offshore Supply Ship
WINDEA COURAGEOUS	101’	WDP2409	N/A	368336010	High Speed Craft
WINDEA RANGER	91’	WDP4760	N/A	368357430	High Speed Craft

Installed Components as of June 30th, 2025

#	WTG ID	Coordinates	Foundation Installation Date	Scour Protection	Transition Piece
1	G2K04	36.869196°N 075.456227°W	22-May-24	✓	✓
2	G2J05	36.884680°N 075.442662°W	26-May-24	✓	✓
3	G2J04	36.884621°N 075.458216°W	28-May-24	✓	✓
4	G2J03	36.884560°N 075.473769°W	31-May-24	✓	✓
5	G2H05	36.900106°N 075.444659°W	4-Jun-24	✓	✓
6	G2H06	36.900163°N 075.429103°W	7-Jun-24	✓	✓
7	G2K03	36.869135°N 075.471777°W	8-Jun-24	✓	✓
8	G2J06	36.884737°N 075.427109°W	14-Jun-24	✓	✓
9	G2H04	36.900047°N 075.460216°W	16-Jun-24	✓	✓
10	G2H03	36.899985°N 075.475772°W	17-Jun-24	✓	✓
11	G2K05	36.869255°N 075.440677°W	18-Jun-24	✓	✓
12	G2G06	36.915589°N 075.431087°W	19-Jun-24	✓	✓
13	G2G05	36.915531°N 075.446646°W	20-Jun-24	✓	✓
14	G2F07	36.931061°N 075.417520°W	22-Jun-24	✓	✓
15	G2E07	36.946487°N 075.419502°W	23-Jun-24	✓	✓
16	G2F06	36.931005°N 075.433082°W	25-Jun-24	✓	✓
17	G2F03	36.930826°N 075.479770°W	26-Jun-24	✓	✓
18	G2G03	36.915410°N 075.477765°W	28-Jun-24	✓	✓
19	G2F04	36.930888°N 075.464208°W	29-Jun-24	✓	✓
20	G2F05	36.930947°N 075.448645°W	1-Jul-24	✓	✓

#	WTG ID	Coordinates	Foundation Installation Date	Scour Protection	Transition Piece
21	G2E06	36.946431°N 075.435068°W	2-Jul-24	✓	✓
22	G2E05	36.946373°N 075.450634°W	3-Jul-24	✓	✓
23	G2E03	36.946250°N 075.481765°W	4-Jul-24	✓	✓
24	G2D06	36.961856°N 075.437065°W	5-Jul-24	✓	✓
25	G2D04	36.961737°N 075.468203°W	6-Jul-24	✓	✓
26	G2C05	36.977382°N 075.455728°W	9-Jul-24	✓	✓
27	G2D05	36.961798°N 075.452634°W	10-Jul-24	✓	
28	G2D07	36.961912°N 075.421496°W	13-Jul-24	✓	✓
29	G2D08	36.961966°N 075.405927°W	14-Jul-24	✓	✓
30	G2B06	36.992697°N 075.441051°W	15-Jul-24	✓	✓
31	G2C07	36.977338°N 075.423486°W	16-Jul-24	✓	✓
32	G2C06	36.977281°N 075.439052°W	17-Jul-24	✓	✓
33	G2E08	36.946541°N 075.403936°W	19-Jul-24	✓	✓
34	G2B07	36.992754°N 075.425476°W	20-Jul-24	✓	✓
35	G2D09	36.962019°N 075.390358°W	21-Jul-24	✓	✓
36	G2F08	36.931114°N 075.401957°W	22-Jul-24	✓	✓
37	G2G08	36.915697°N 075.399967°W	22-Jul-24	✓	✓
38	G2G04	36.915697°N 075.399967°W	25-Jul-24	✓	✓
39	G2D11	36.962117°N 075.359220°W	28-Jul-24	✓	✓
40	G2E11	36.946690°N 075.357238°W	29-Jul-24	✓	✓
41	G2D10	36.962069°N 075.374789°W	29-Jul-24	✓	✓
42	G2E09	36.946592°N 075.388370°W	31-Jul-24	✓	✓
43	G2H08	36.900271°N 075.397990°W	2-Aug-24	✓	✓
44	G2F11	36.931263°N 075.355268°W	3-Aug-24	✓	✓
45	G2F10	36.931216°N 075.370831°W	4-Aug-24	✓	✓
46	G2G10	36.915798°N 075.368848°W	5-Aug-24	✓	✓
47	G2F09	36.931166°N 075.386394°W	6-Aug-24	✓	✓
48	G2G09	36.915749°N 075.384408°W	7-Aug-24	✓	✓
49	G2J07	36.884792°N 075.411556°W	10-Aug-24	✓	✓
50	G2H09	36.900322°N 075.382433°W	11-Aug-24	✓	✓
51	G2J09	36.884896°N 075.380449°W	12-Aug-24	✓	✓
52	G2K09	36.869469°N 075.378476°W	12-Aug-24	✓	✓
53	G2K08	36.869419°N 075.394026°W	13-Aug-24	✓	✓

#	WTG ID	Coordinates	Foundation Installation Date	Scour Protection	Transition Piece
54	G2K07	36.869366°N 075.409577°W	14-Aug-24	✓	✓
55	G3H12	36.900463°N 075.335763°W	18-Aug-24	✓	
56	G2K10	36.869518°N 075.362926°W	21-Aug-24	✓	✓
57	G2H07	36.900218°N 075.413546°W	21-Aug-24	✓	✓
58	G2K06	36.869311°N 075.425127°W	22-Aug-24	✓	✓
59	G3H13	36.900506°N 075.320207°W	23-Aug-24	✓	
60	G3J13	36.885079°N 075.318235°W	23-Aug-24		
61	G3G11	36.915845°N 075.353288°W	25-Aug-24	✓	
62	G3J12	36.885036°N 075.333788°W	26-Aug-24		
63	G3H14	36.900547°N 075.304650°W	26-Aug-24		
64	G3G14	36.915975°N 075.306609°W	27-Aug-24		
65	G3G13	36.915934°N 075.322169°W	28-Aug-24	✓	
66	G3G12	36.915891°N 075.337728°W	29-Aug-24	✓	
67	G2E04	36.946312°N 075.466199°W	31-Aug-24	✓	✓
68	G2E10	36.946642°N 075.372804°W	1-Sep-24	✓	✓
69	G3F12	36.931309°N 075.339705°W	2-Sep-24	✓	
70	G3F13	36.931352°N 075.324142°W	8-Sep-24	✓	
71	G3C13	36.977634°N 075.330046°W	9-Sep-24	✓	
72	G3B12	36.993008°N 075.347599°W	11-Sep-24	✓	
73	G3C14	36.977677°N 075.314474°W	12-Sep-24	✓	
74	G3E13	36.946780°N 075.326106°W	12-Sep-24	✓	
75	G3D12	36.962163°N 075.343650°W	13-Sep-24	✓	
76	G3E14	36.946821°N 075.310540°W	19-Sep-24	✓	
77	G3D13	36.962207°N 075.328081°W	20-Sep-24	✓	
78	G3B14	36.993095°N 075.316448°W	23-Sep-24	✓	
79	G1K14	36.869691°N 075.300724°W	2-May-25		
80	G1K15	36.869730°N 075.285173°W	4-May-25		
81	G1K12	36.869609°N 075.331825°W	5-May-25		
82	G1K13	36.869651°N 075.316274°W	7-May-25		
83	G1K19	36.869863°N 075.222971°W	8-May-25		
84	G1M18	36.838983°N 075.234624°W	11-May-25		
85	G1K18	36.869832°N 075.238522°W	12-May-25		
86	G1M19	36.839013°N 075.219079°W	13-May-25		
87	G1L16	36.854350°N 075.267667°W	16-May-25		

#	WTG ID	Coordinates	Foundation Installation Date	Scour Protection	Transition Piece
88	G1L19	36.854442°N 075.221019°W	18-May-25		
89	G1K17	36.869800°N 075.254072°W	19-May-25		
90	G1L18	36.854412°N 075.236567°W	20-May-25		
91	G1L13	36.854232°N 075.314304°W	23-May-25		
92	G1K11	36.869564°N 075.347375°W	24-May-25		
93	G1L15	36.854310°N 075.283209°W	25-May-25		
94	G1M17	36.838951°N 075.250168°W	26-May-25		
95	G1N11	36.823291°N 075.341459°W	27-May-25		
96	G1L14	36.915644°N 075.415527°W	28-May-25		
97	G3J17	36.885229°N 075.256020°W	30-May-25		
98	G1K16	36.869766°N 075.269623°W	2-June-25		
99	G1N17	36.823522°N 075.248212°W	1-June-25		
100	G1L12	36.854190°N 075.329851°W	2-June-25		
101	G1N18	36.823554°N 075.232671°W	3-June-25		
102	G1N19	36.823583°N 075.217129°W	4-June-25		
103	G3B15	36.993136°N 075.300872°W	6-June-25		
104	G3B16	36.993174°N 075.285297°W	7-June-25		
105	G3B17	36.993210°N 075.269721°W	8-June-25		
106	G3C16	36.977755°N 075.283329°W	9-June-25		
107	G3B18	36.993245°N 075.254145°W	9-June-25		
108	G3E18	36.946968°N 075.248275°W	10-June-25		
1	OSS #2	36.915644°N 075.415527°W	16-Oct-24		
2	OSS #1	36.854146°N 075.345399°W	21-June-25		
3	OSS #3	36.916014°N 075.291049°W	26-June-25		