

Vicinity Map & Aerial Photo
Project: Dredging

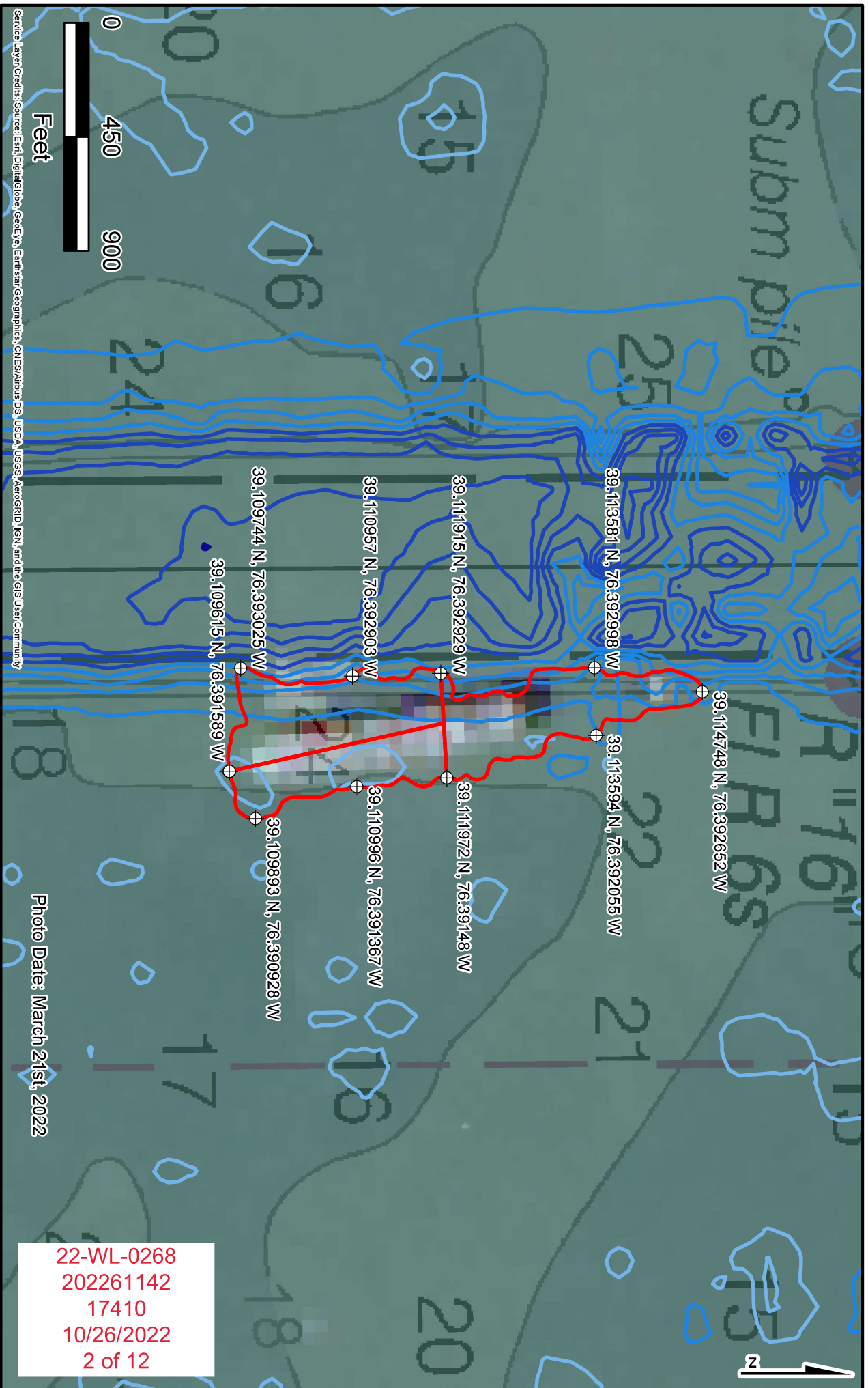
Proposed Project for:

Evergreen Marine Corp. (Taiwan) Ltd
 8F, No. 163, Sec.1, Hsin-Nan Road
 Luchu Hsiang, Taoyuan Hsien, Taiwan R.O.C 33845

NAD 1983 HARN StatePlane Maryland FIPS 1900 Feet
 Vicinity Project Map 2020510.mxd

Prepared by
 POLARIS Applied Sciences, Inc.





22-WL-0268
 202261142
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 2 of 12

Existing Conditions (Bathymetry)

Project: Dredging

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- Area of Impact
- 34 - -22
- Contour Depth (ft)
- 21 - -10
- 64 - -48
- 9 - -3
- 47 - -35

Photo Date: March 21st, 2022

National Centers for Environmental Information, 2017.
 NOAA NOS Estuarine Bathymetry - Chesapeake Bay (M130).
 National Centers for Environmental Information,
 NOAA. doi:10.7289/N5ZK5F0X (July, 2022)



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Aerial Photo

Project: Dredging

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Area of Impact

Photo Date: March 21st, 2022

22-WL-0268
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 17410
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 3 of 12

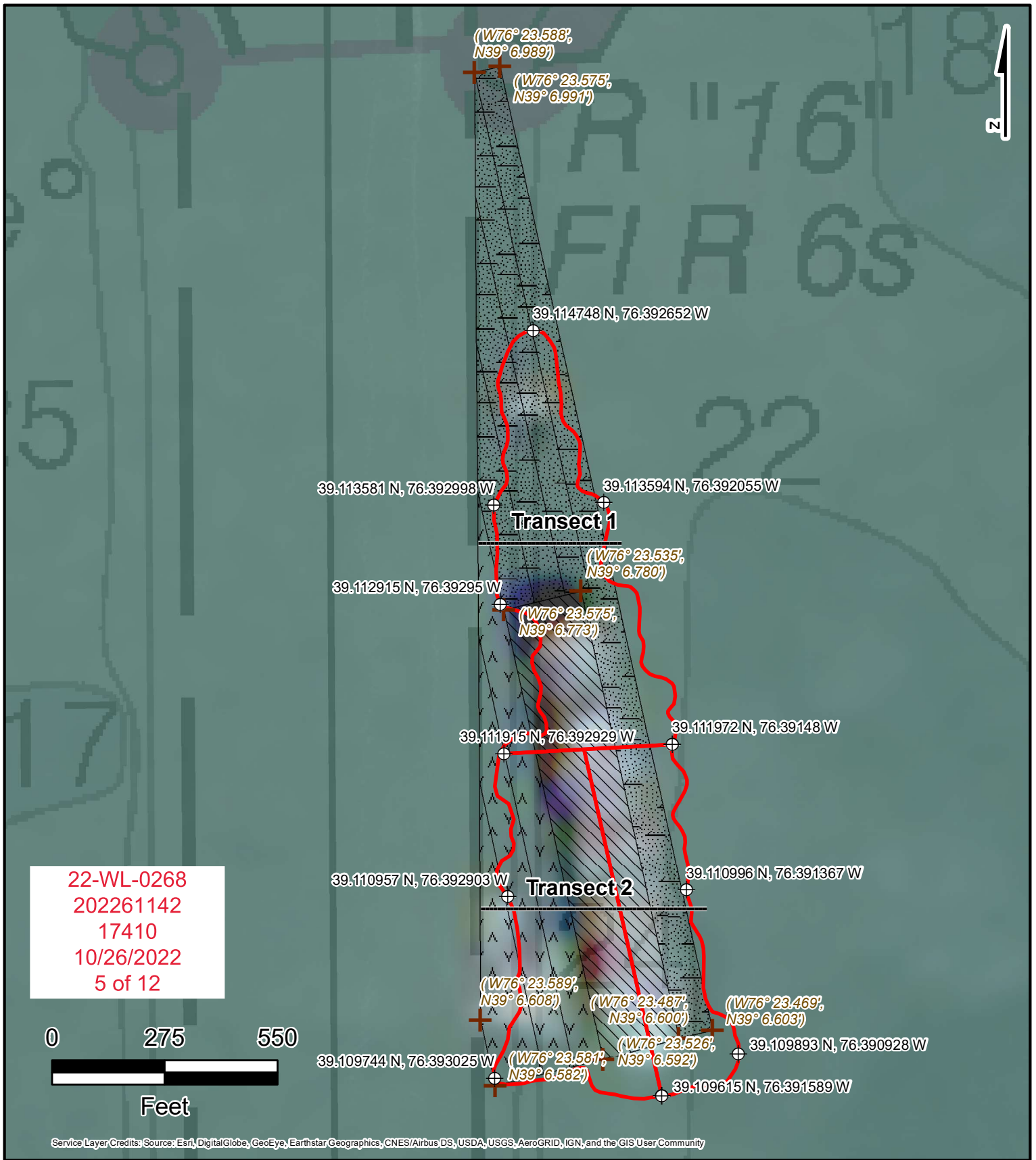
National Centers for Environmental Information, 2017.
 NOAA NOS Estuarine Bathymetry - Chesapeake Bay (M130).
 National Centers for Environmental Information,
 NOAA. doi:10.7289/N5ZK5FOX (July, 2022)

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Aerial Photo Map 2020527.mxd

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22-WL-0268
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 17410
 10/26/2022
 5 of 12







Proposed Conditions (AS-BUILT)



Project: Dredging

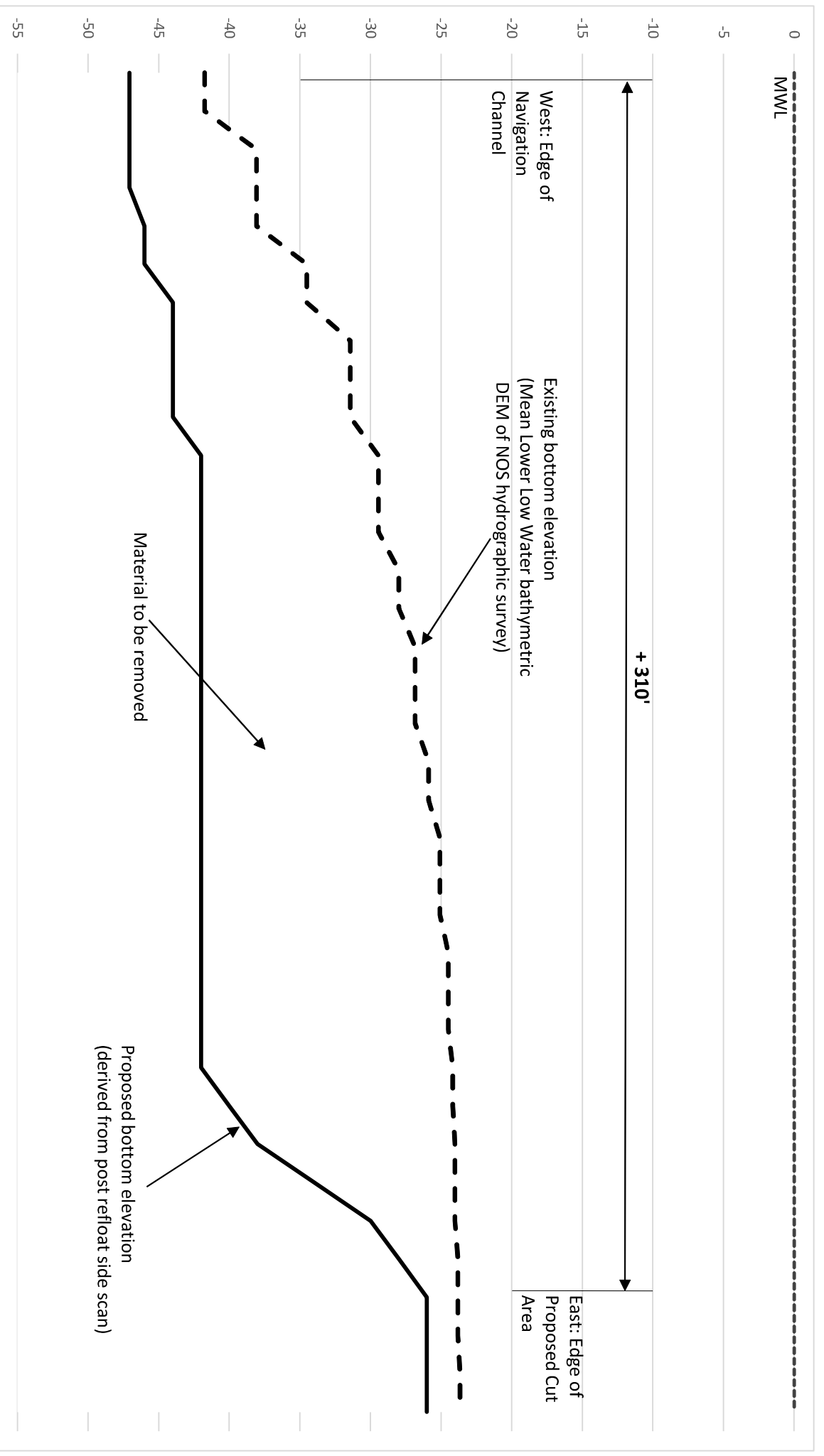
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Approved in Emergency License (22-WL-0268EX(R1))

-  Vessel Footprint
-  Dredge Depth 40 ft
-  Dredge Depth 43 ft
-  Dredge Footprint Coordinates

As-built footprint

-  Area of Impact
-  Area of Impact Coordinates



Transect 1

Project: Dredging

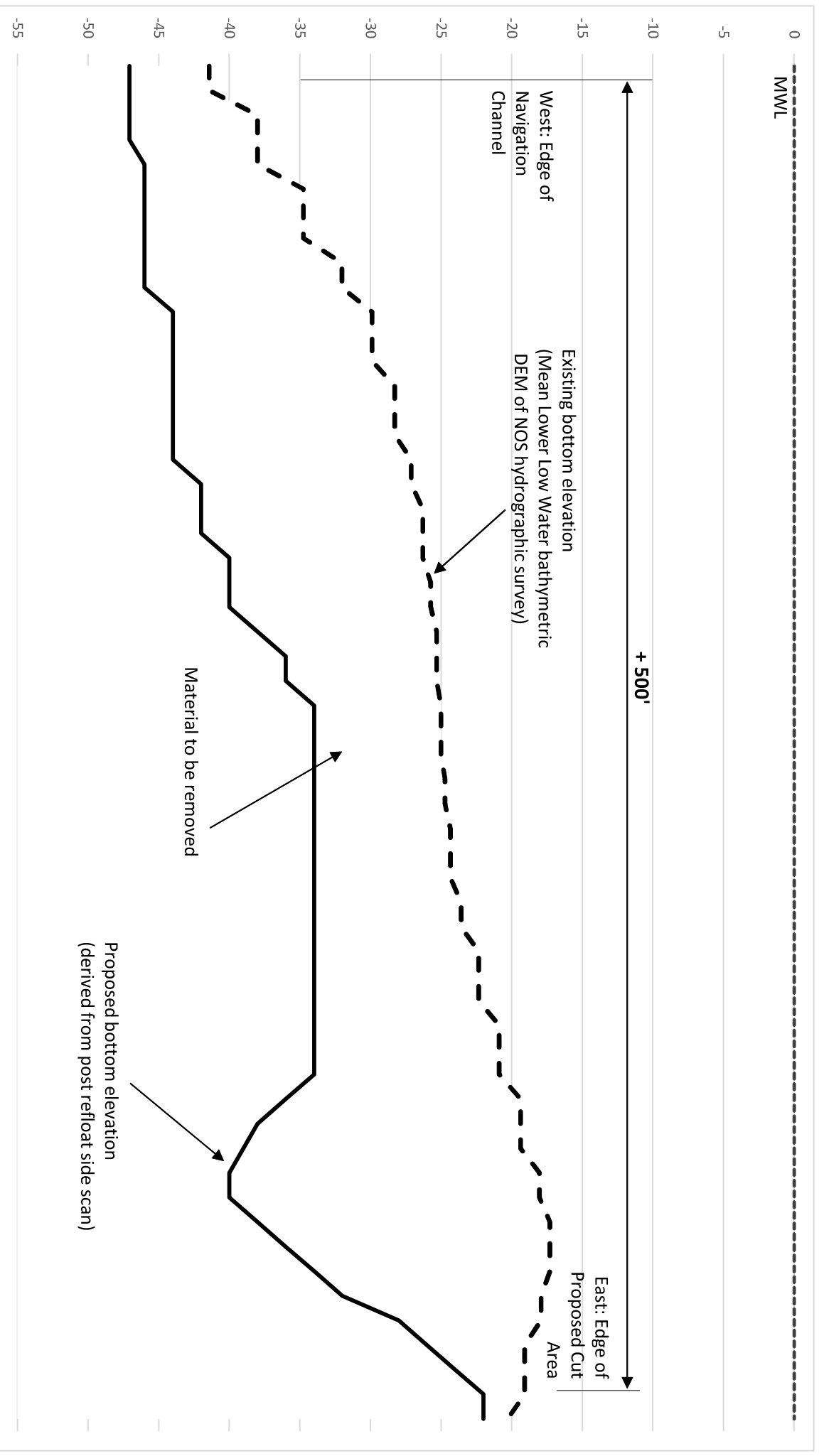
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22-WL-0268
 202261142
 17410
 10/26/2022
 6 of 12

401,402 square ft. dredge area for all depths
 213,872 cubic yards of Dredge Material
 Maximum dredge depth = -47.08 ft below MLW

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 Transect Figures 20220711.mxd

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Transect 2

Project: Dredging

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22-WL-0268
 202261142
 17410
 10/26/2022
 7 of 12

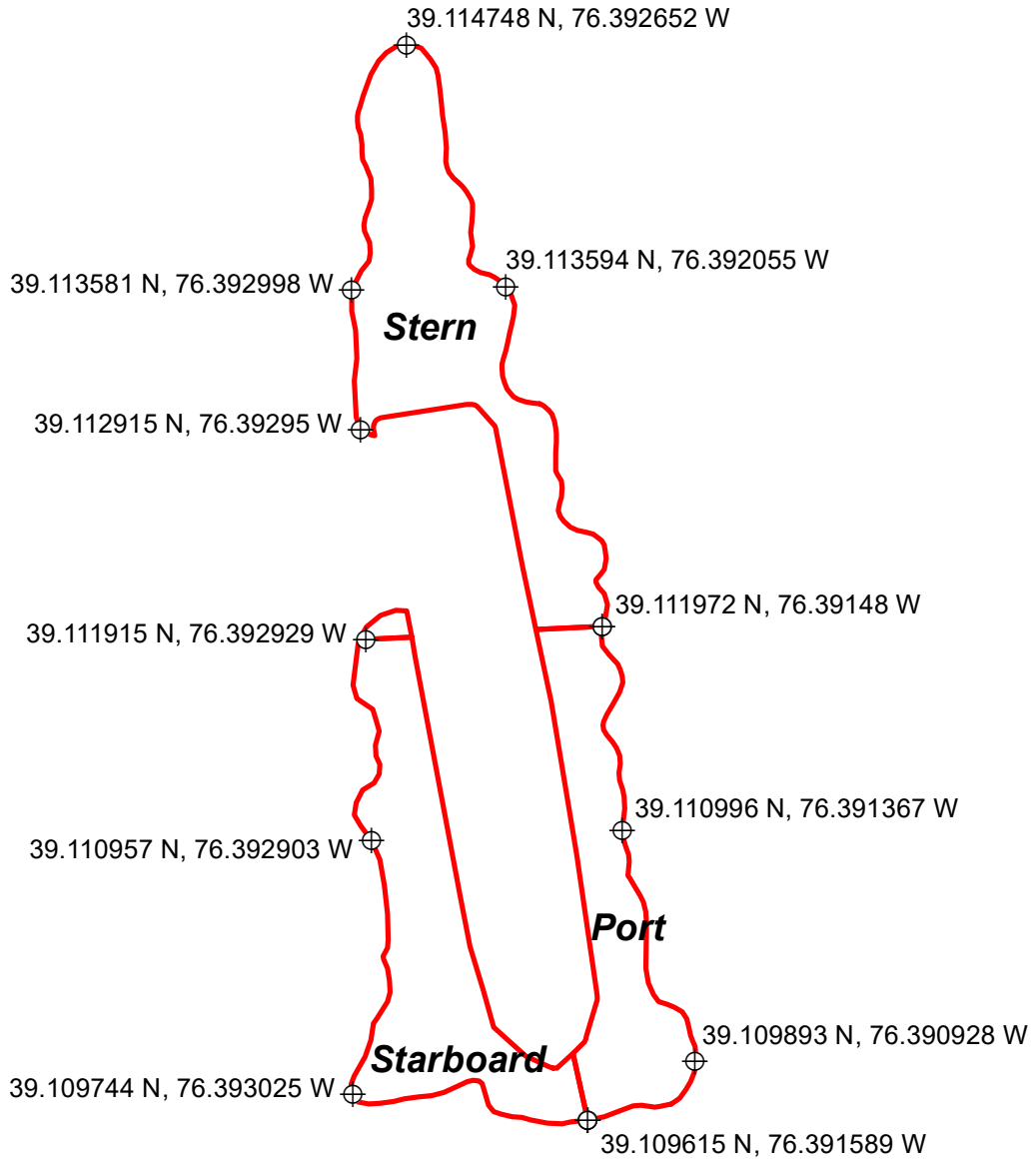
401,402 square ft. dredge area for all depths
 213,872 cubic yards of Dredge Material
 Maximum dredge depth = -47.08 ft below MLW

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 Transect Figures 20220711.mxd

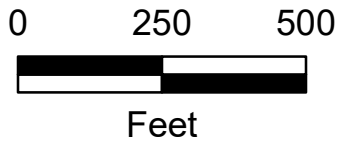
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Dredge Area	Area (sqft)	Volume of Material Removed (cy)	Max Depth (ft)	Min Depth (ft)	Depth Range (ft)
Starboard	132,159	68,014	-44.8	-23.9	20.9
Stern	170,056	80,823	-47.1	-27.3	19.8
Port	99,205	65,035	-42.0	-23.0	19.0
TOTAL	401,420	213,872			



22-WL-0268
 202261142
 17410
 10/26/2022
 8 of 12



Area of Impact
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22-WL-0268
 202261142
 17410
 10/26/2022
 9 of 12

Service Layer Credits: World Imagery, Maxar, Microsoft

Vessel Area with 5m Buffer

EVERFORWARD APPROXIMATE VESSEL AREA OF IMPACT

Notes:

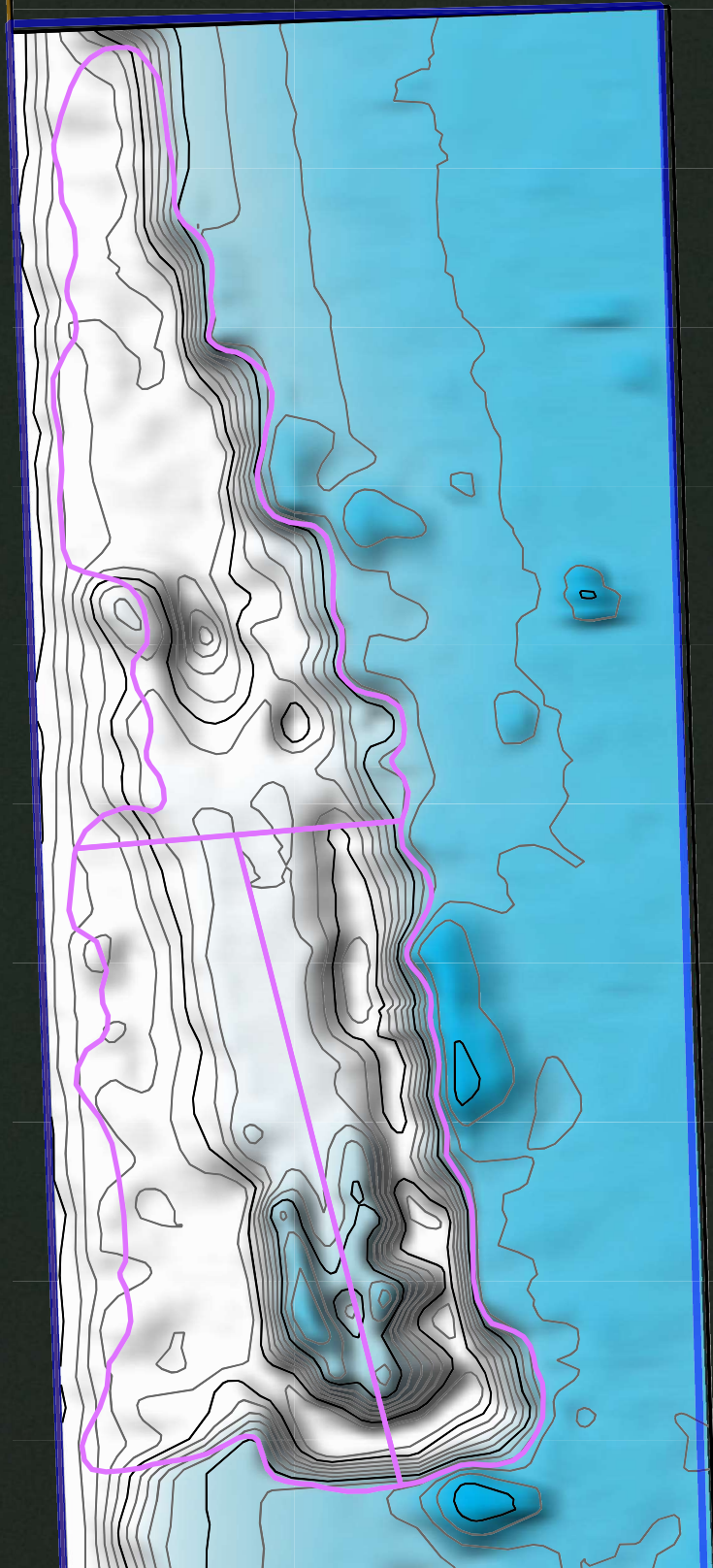
Approximate area of vessel is 233,605 square feet, which includes a 5-meter (m) buffer (Source: <https://earth.esa.int/eogateway/missions/pleiades-neo>) to account for vessel area error due to off-nadir imagery.



Chesapeake Bay
 Maryland

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10 of 12

Service Layer Credits: World Imagery: Maxar, Microsoft

Area of Dredging Impact (Approximate)

EVERFORWARD APPROXIMATE AREA OF DREDGING IMPACT

Notes:
Approximate entire area of impact (dredging + vessel impacts) is 624,485 square feet.



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22-WL-0268
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 11 of 12

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- Area of Dredging Impact (Approximate)
- Vessel Area with 5m Buffer

EVERFORWARD APPROXIMATE VESSEL AND DREDGING AREAS OF IMPACT

Notes:

Approximate area of vessel is 233,605 square feet, which includes a 5-meter (m) buffer (Source: <https://earth.esa.int/eogateway/missions/pleiades-neo>) to account for vessel area error due to off-nadir imagery. Approximate entire area of impact (dredging + vessel impacts) is 624,485 square feet.



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- ▭ MGS Area of Impact (Approximate)
- ▭ Ramboll Area of Impact (Approximate)
- ▭ NOB Boundary

EVERFORWARD APPROXIMATE RAMBOLL AREA OF IMPACT AND NOB BOUNDARY



22-WL-0268
202261142
17410
10/26/2022
12 of 12

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