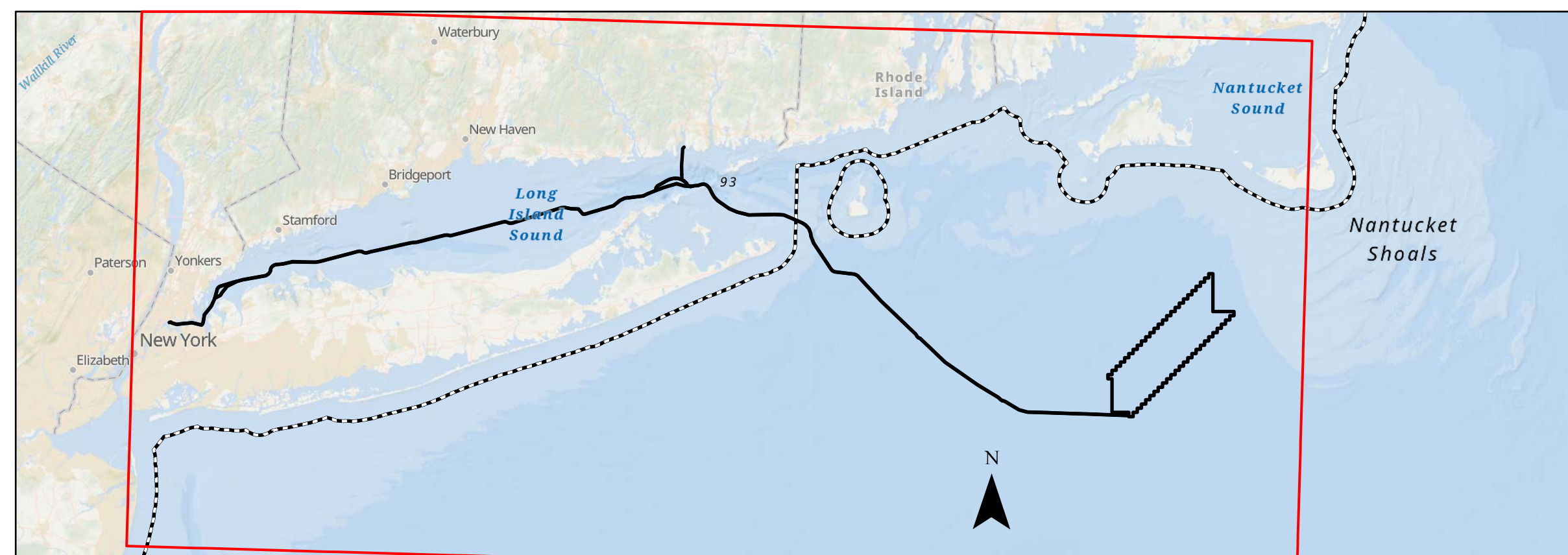
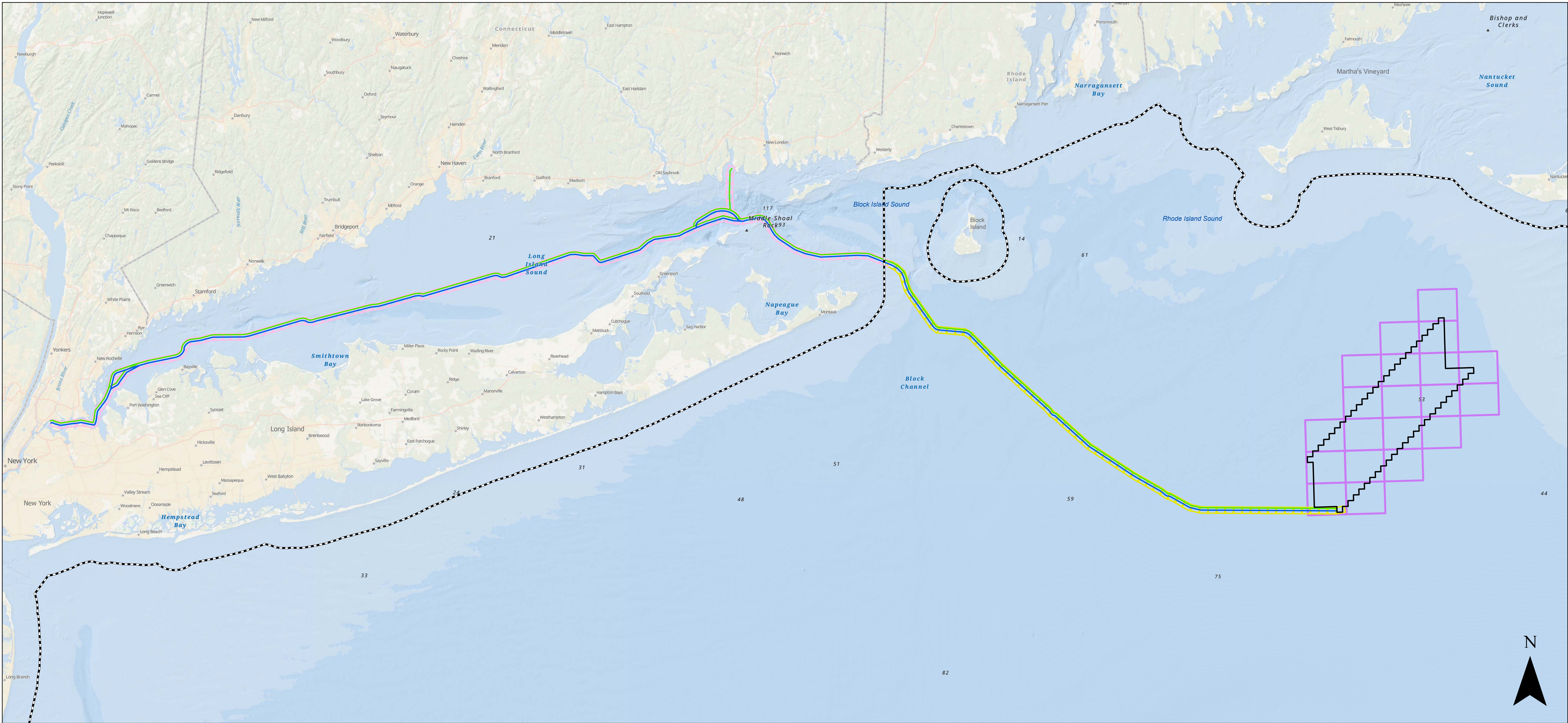


A photograph of an offshore wind farm with several white wind turbines on a blue sea under a clear blue sky. The turbines are arranged in a line across the horizon.

# APPENDIX S

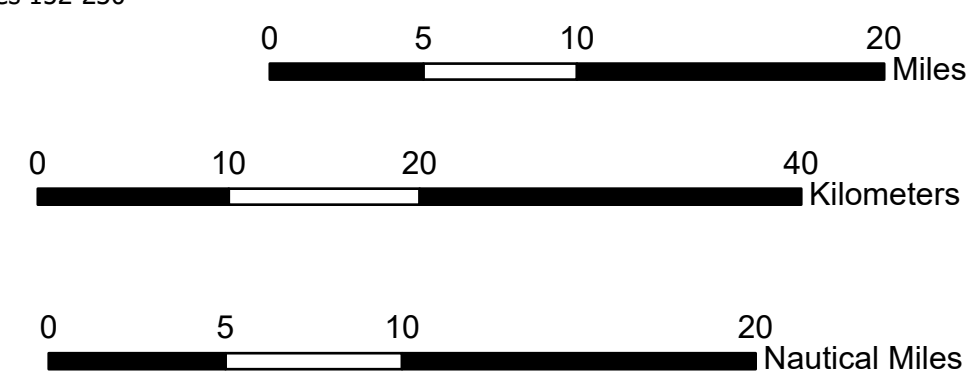
## BENTHIC RESOURCES MAPBOOKS





**Legend**

- State Waters Boundary
- ▭ Lease Area
- BW1 Submarine Export Cable Route v13
- BW2 Submarine Export Cable Route v13
- ▭ Submarine Export Cable Route State Waters Map Book Tiles 1-151
- ▭ Submarine Export Cable Route Federal Waters Map Book Tiles 152-230
- ▭ Lease Area Map Book Tiles 231-250



Project Nr.: 60618498  
 Date: 5/22/2023 Prepared By: AECOM

**Beacon Wind Lease Area OCS-A 0520**

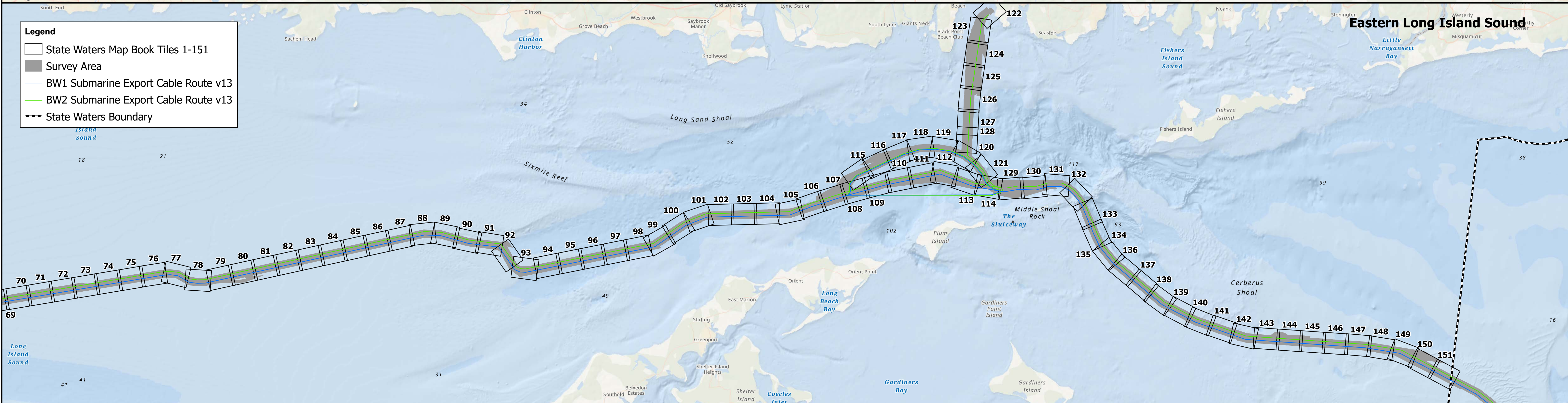
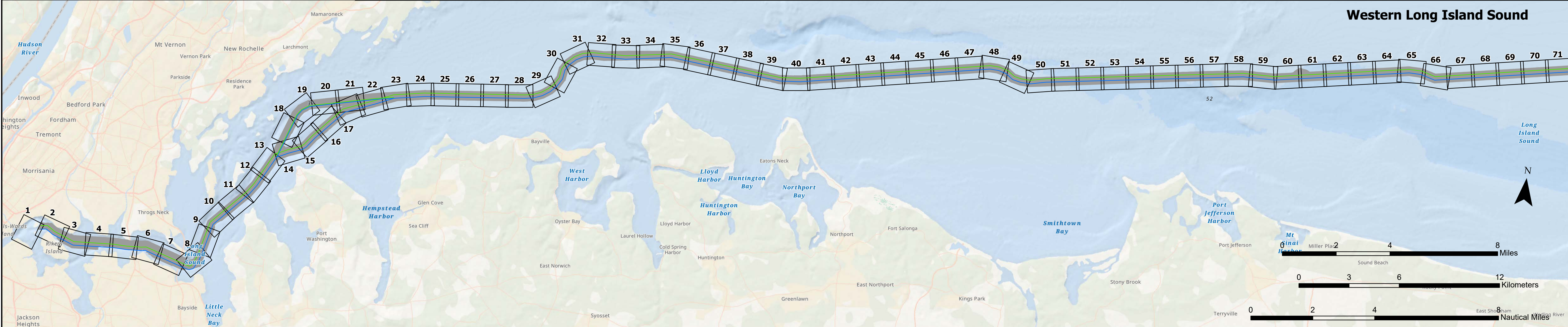
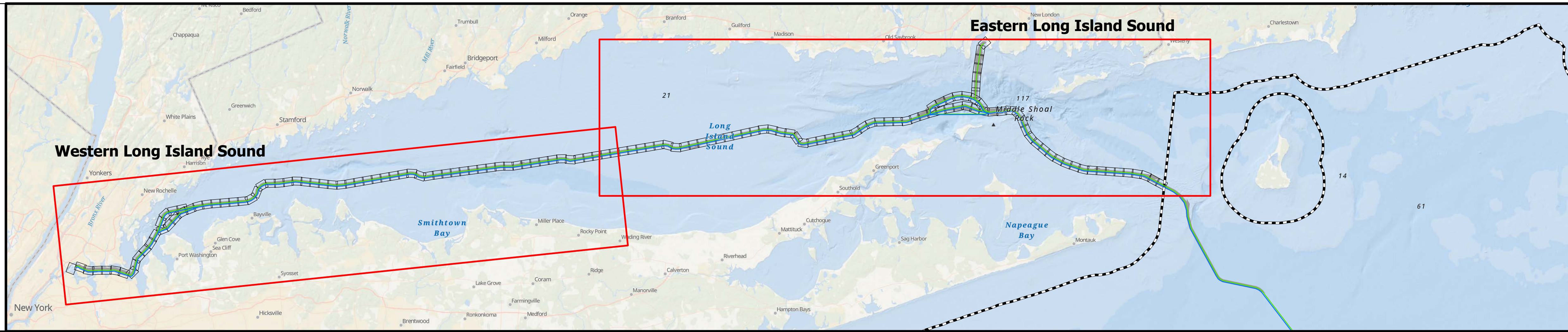
**Submarine Export Cable Routes & Lease Area Overview of Map Books**



# Beacon Wind Lease Area OCS-A 0520

## Submarine Export Cable Routes State Waters Map Book Overview

Project Nr.: 60618498  
Prepared By: AECOM Date: 2/23/2023





# Legend Cover Page

## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

### KPs

- BW1 KPs
- ▣ BW1 and BW2 KPs
- BW2 KPs

### Export Cable Route

- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

### Station Type

- ⊕ Grab and Video
- ◆ SPI/PV
- ★ Video

### Benthic Feature

- Megaripples
- Sand Ripples
- Waves
- Subsea Structure

### Interpreted Seabed Sediment/NMFS Habitat Characterization

- Mud and Sandy Mud/Soft Bottom Habitat
- Sand and Muddy Sand/Soft Bottom Habitat
- Mixed Sediment/Complex Habitat
- Till/Complex Habitat
- Gravel/Complex Habitat
- Submerged Aquatic Vegetation/Complex Habitat
- Numerous Boulders/Large Grained Complex Habitat
- Occasional Boulders/Large Grained Complex Habitat
- Heterogeneous Complex Habitat

### CMECS Biotic

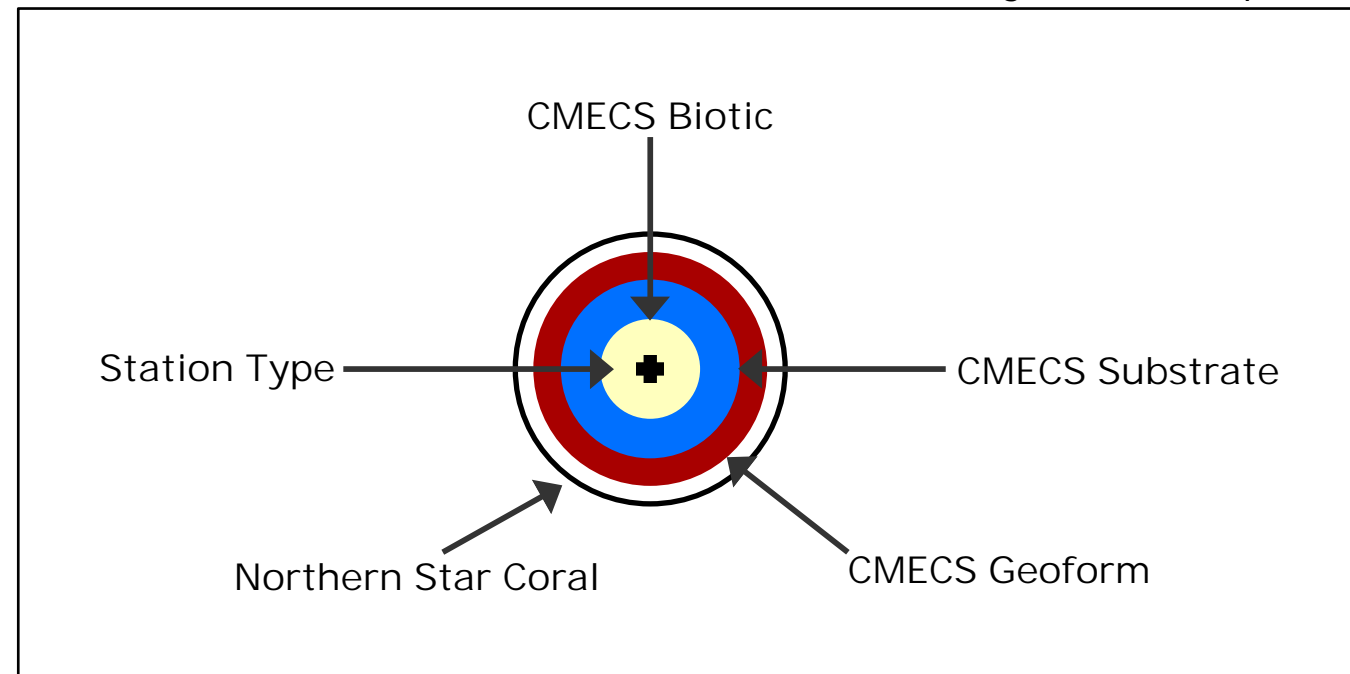
- Attached Fauna
- Crepidula spp. Beds
- Faunal Bed
- Large Macrofauna
- Sand Dollar Bed
- Soft Sediment Fauna
- Starfish Bed
- Inferred Fauna

### CMECS Substrate

- Coarse/Very Coarse Sand
- Fine/Very Fine Sand
- Gravel Mix
- Gravelly Mud
- Gravelly Muddy Sand
- Gravelly Sand
- Medium Sand
- Mud
- Muddy Gravel
- Muddy Sand
- Muddy Sandy Gravel
- Pebble/Granule
- SPI - Sandy Mud
- Sandy Gravel
- Sandy Mud
- Shell Hash
- Shell Rubble/Hash
- Very Coarse/Coarse Sand

### CMECS Geoform

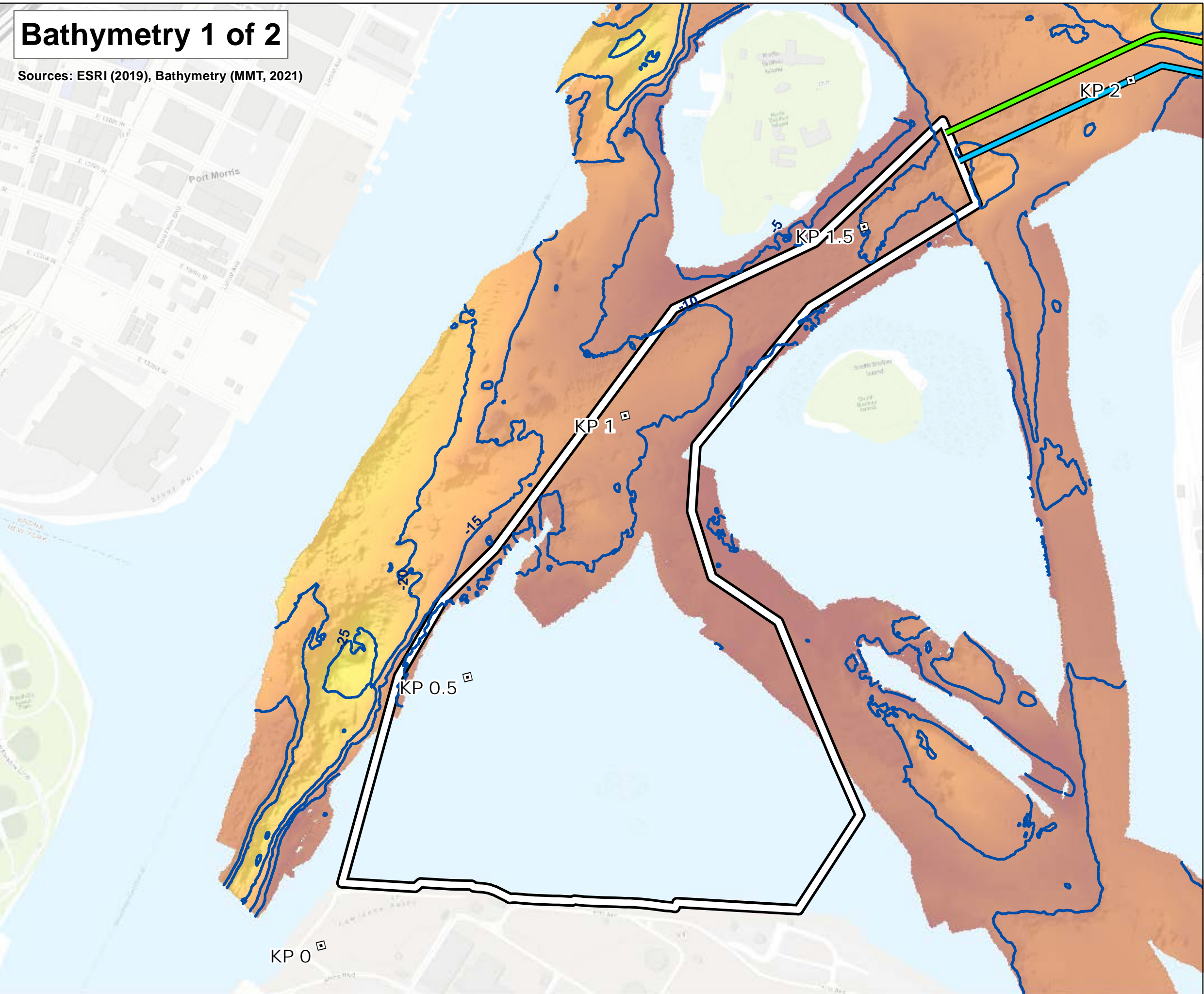
- Boulder Field
- Burrows/Bioturbation
- Flat
- Northern Star Coral





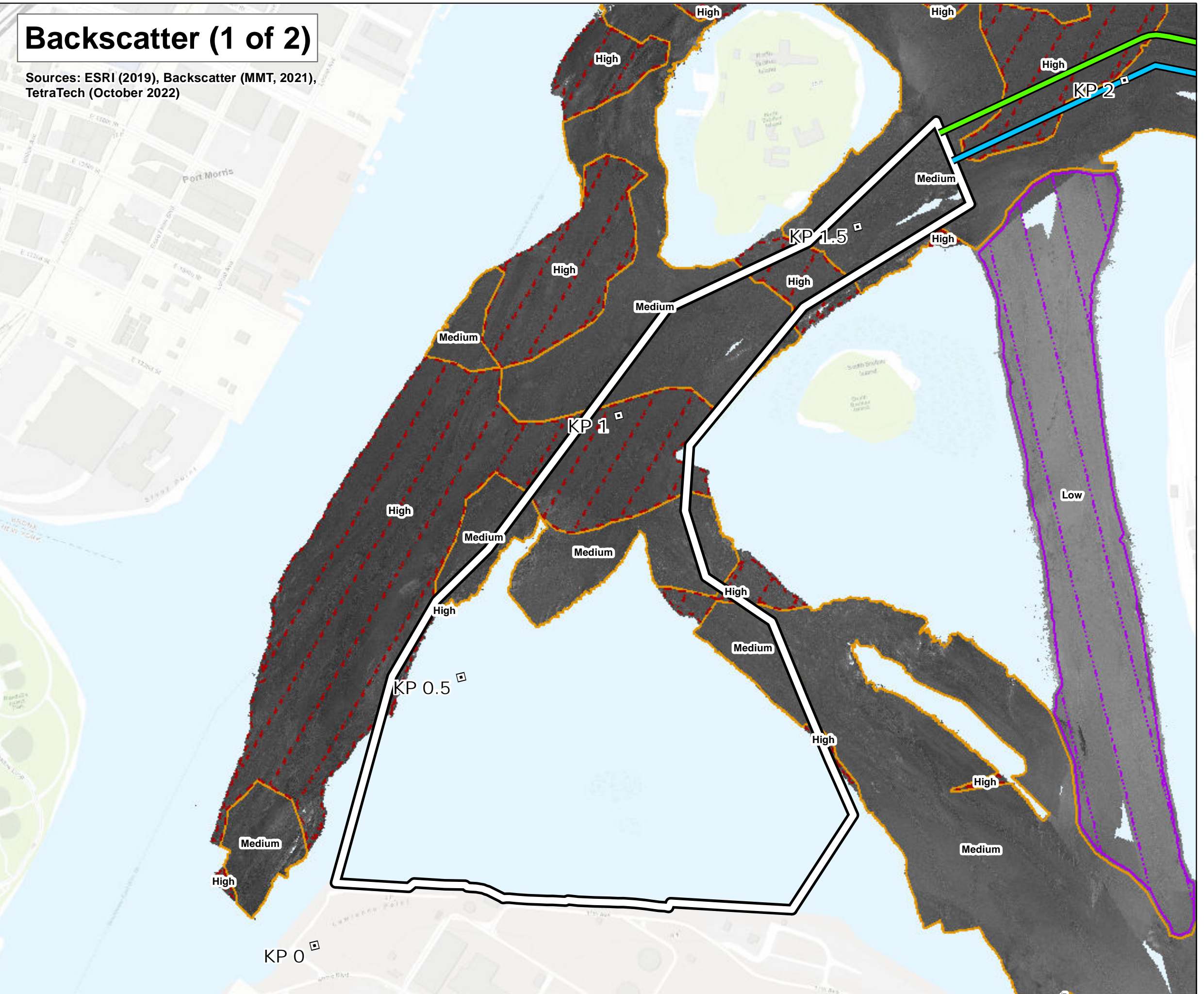
### Bathymetry 1 of 2

Sources: ESRI (2019), Bathymetry (MMT, 2021)



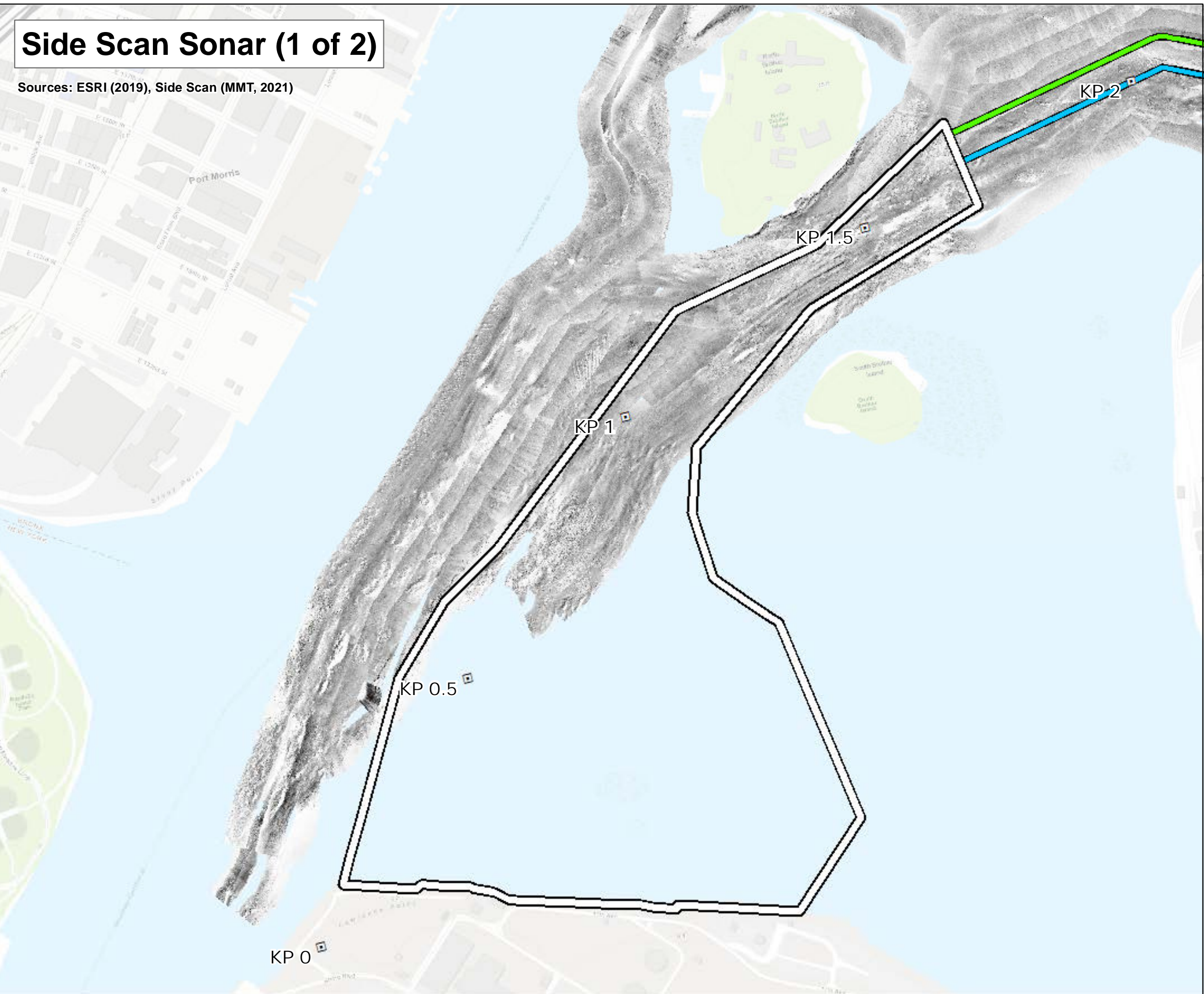
### Backscatter (1 of 2)

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



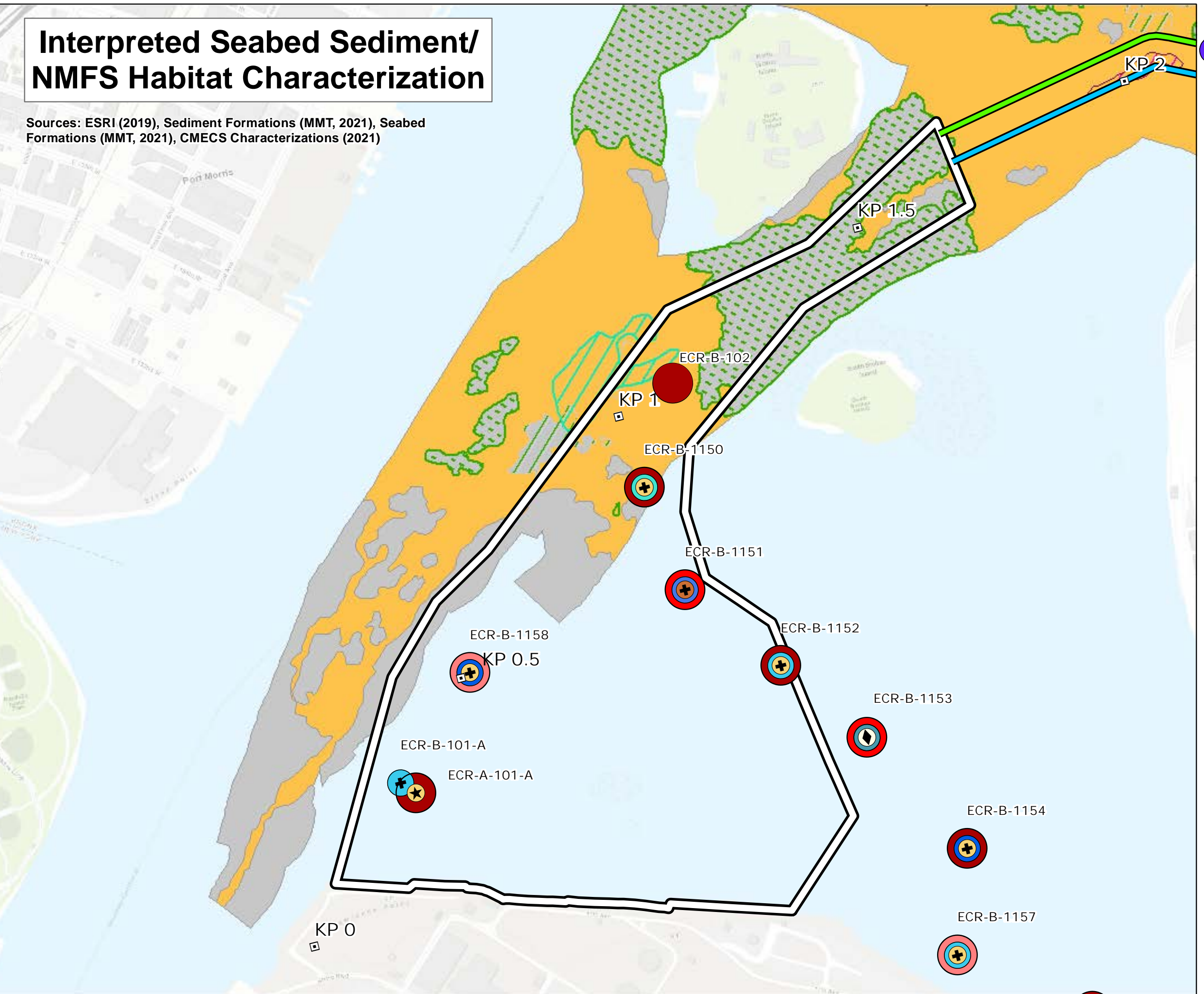
### Side Scan Sonar (1 of 2)

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

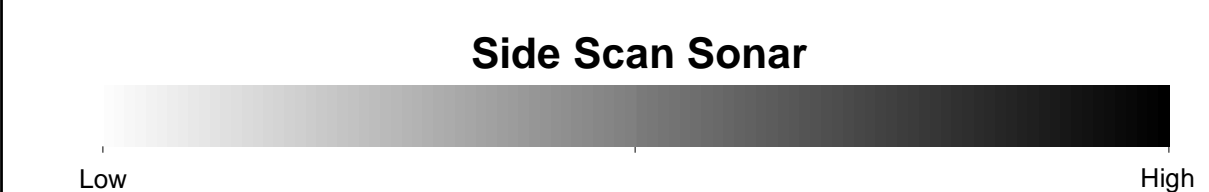
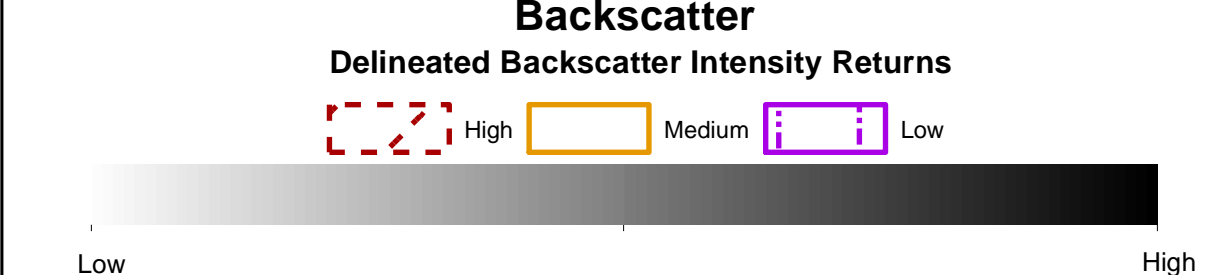
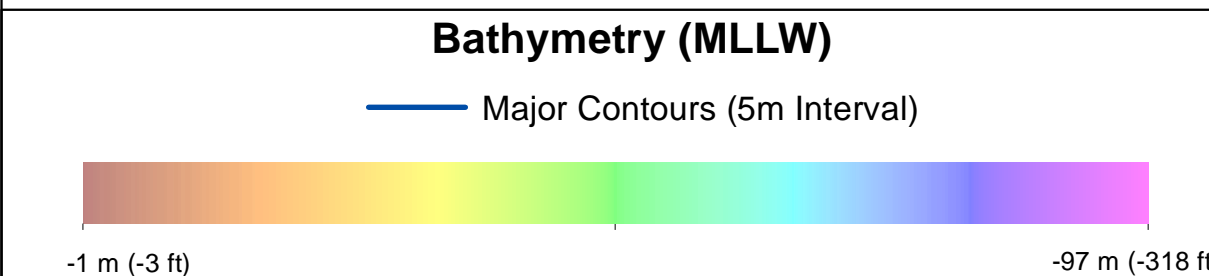
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



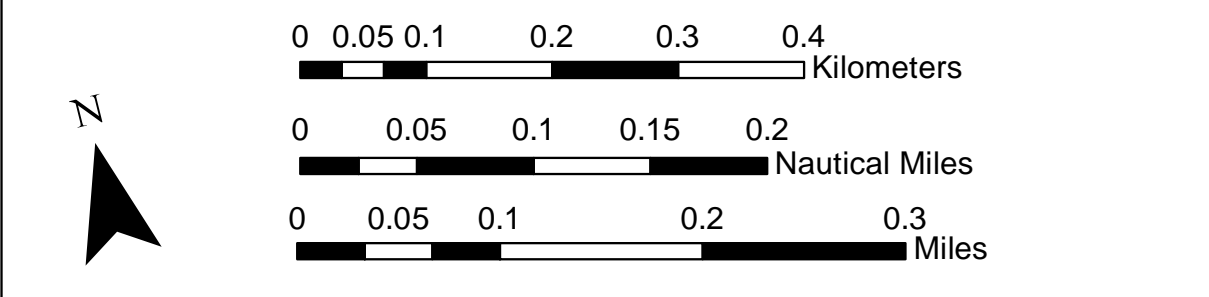
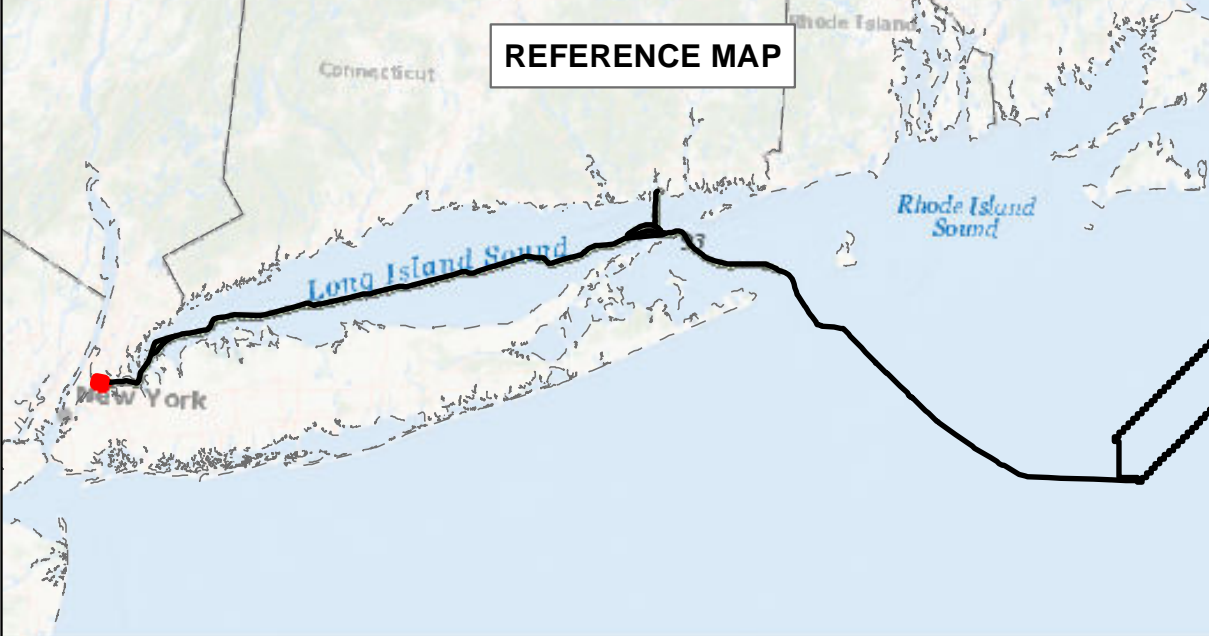
- BW1 and BW2 KPs
- BW1/BW2 Submarine Export Cable Corridor (NY)
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |  |  |
|---|--|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video<br><b>CMECS Biotic</b><br>○ Attached Fauna<br>● Large Macrofauna<br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Gravel Mix<br>● Gravelly Muddy Sand<br>● Muddy Sand<br>● Muddy Sandy Gravel<br>● Sandy Gravel | ● Sandy Mud<br>● Shell Hash<br><b>CMECS Geoform</b><br>● Boulder Field<br>● Burrows/Bioturbation<br>● Flat<br><b>Benthic Features</b><br>□ Megaripples<br>□ Sand Ripples | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>● Mixed Sediment/Complex Habitat<br>● Till/Complex Habitat<br>● Numerous Boulders/Large Grained Complex Habitat<br>● Occasional Boulders/Large Grained Complex Habitat |
|---|--|--|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:6000



### BEACON WIND LEASE AREA OCS-A 0520

#### Map Book Package for Submarine Export Cable Route in State Waters

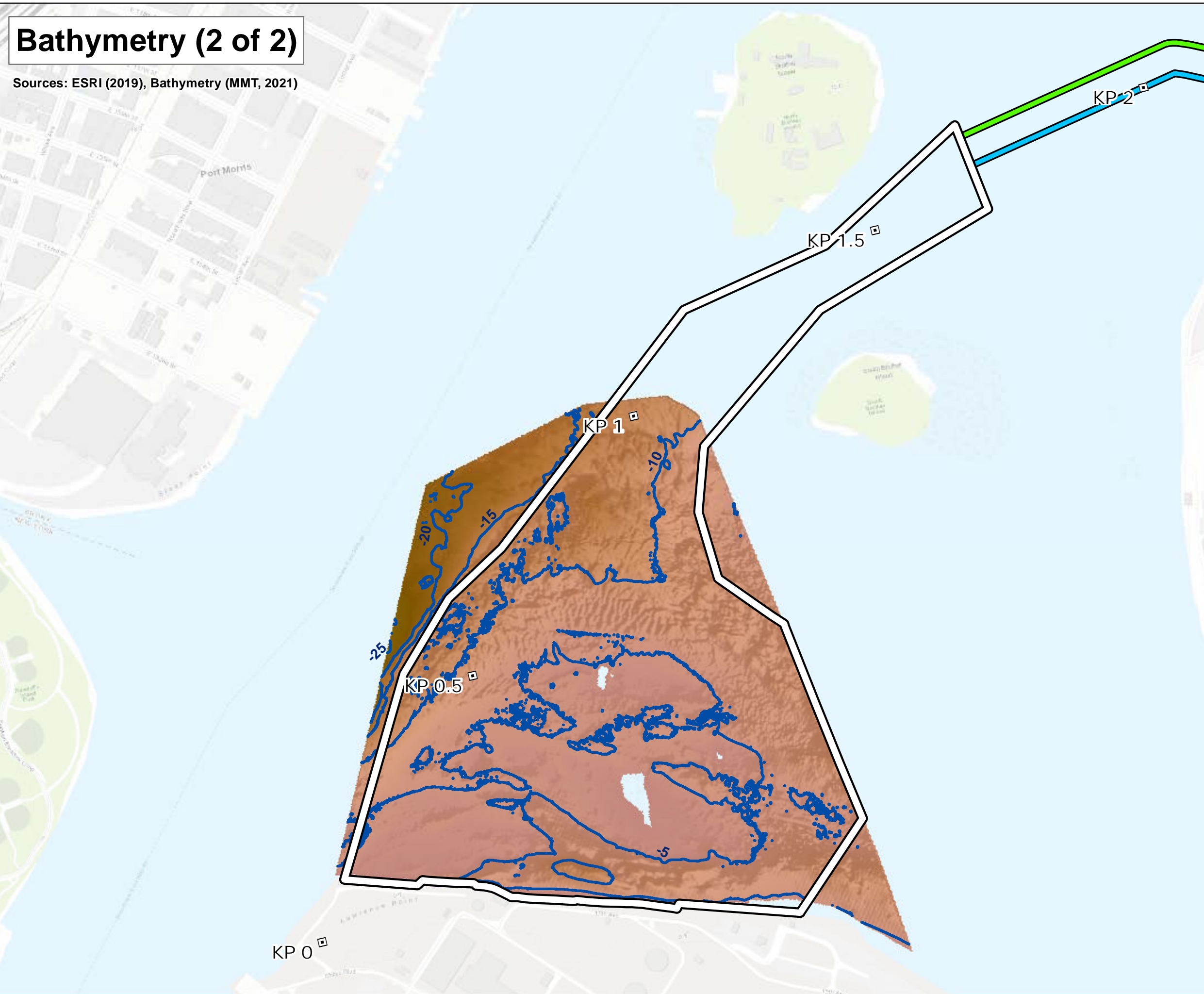
##### Tile 1

BW1 (NY) - KP 0 - KP 2  
 BW2 (NY) - KP 0 - KP 2  
 BW2 (CT) - N/A



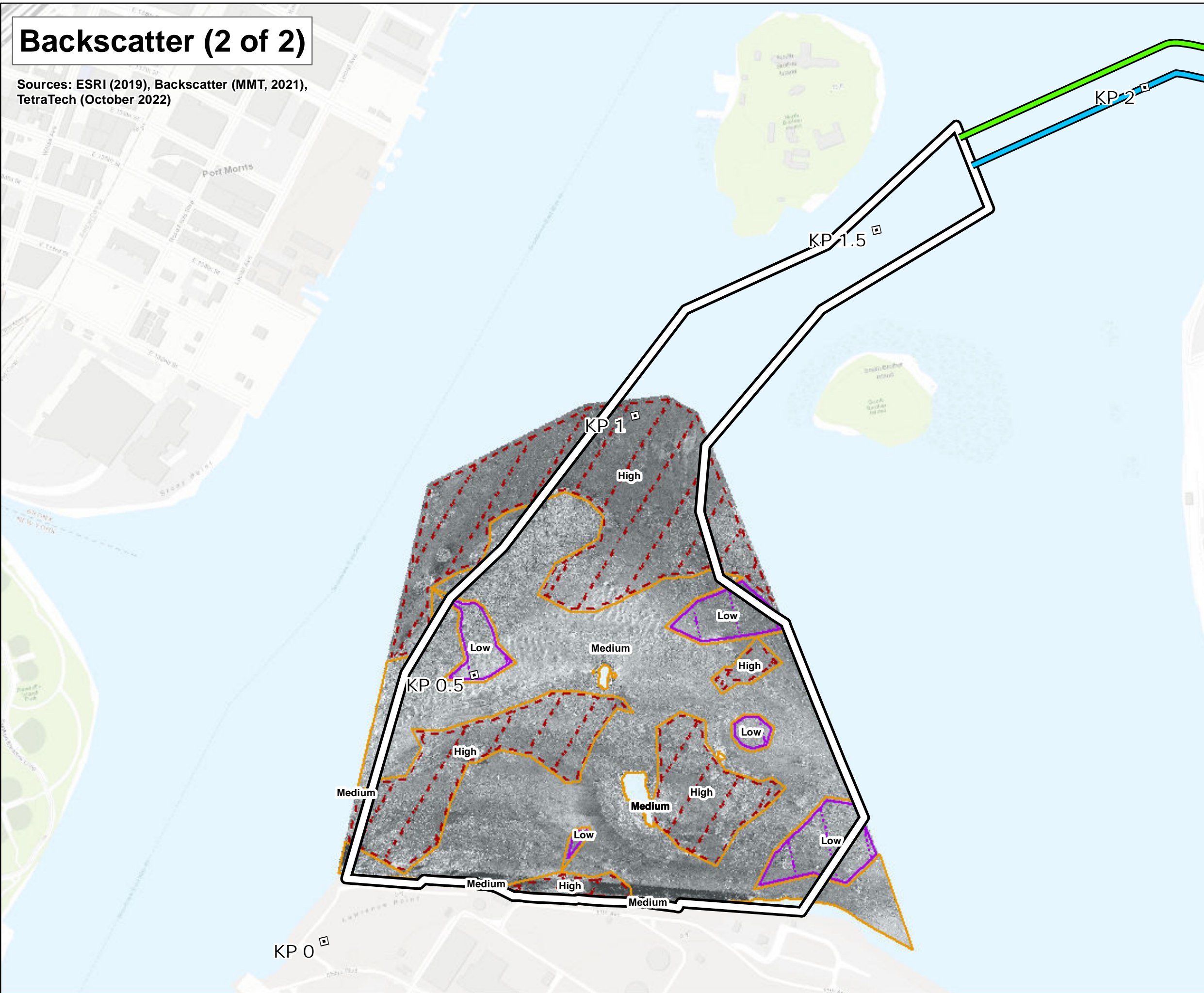
### Bathymetry (2 of 2)

Sources: ESRI (2019), Bathymetry (MMT, 2021)



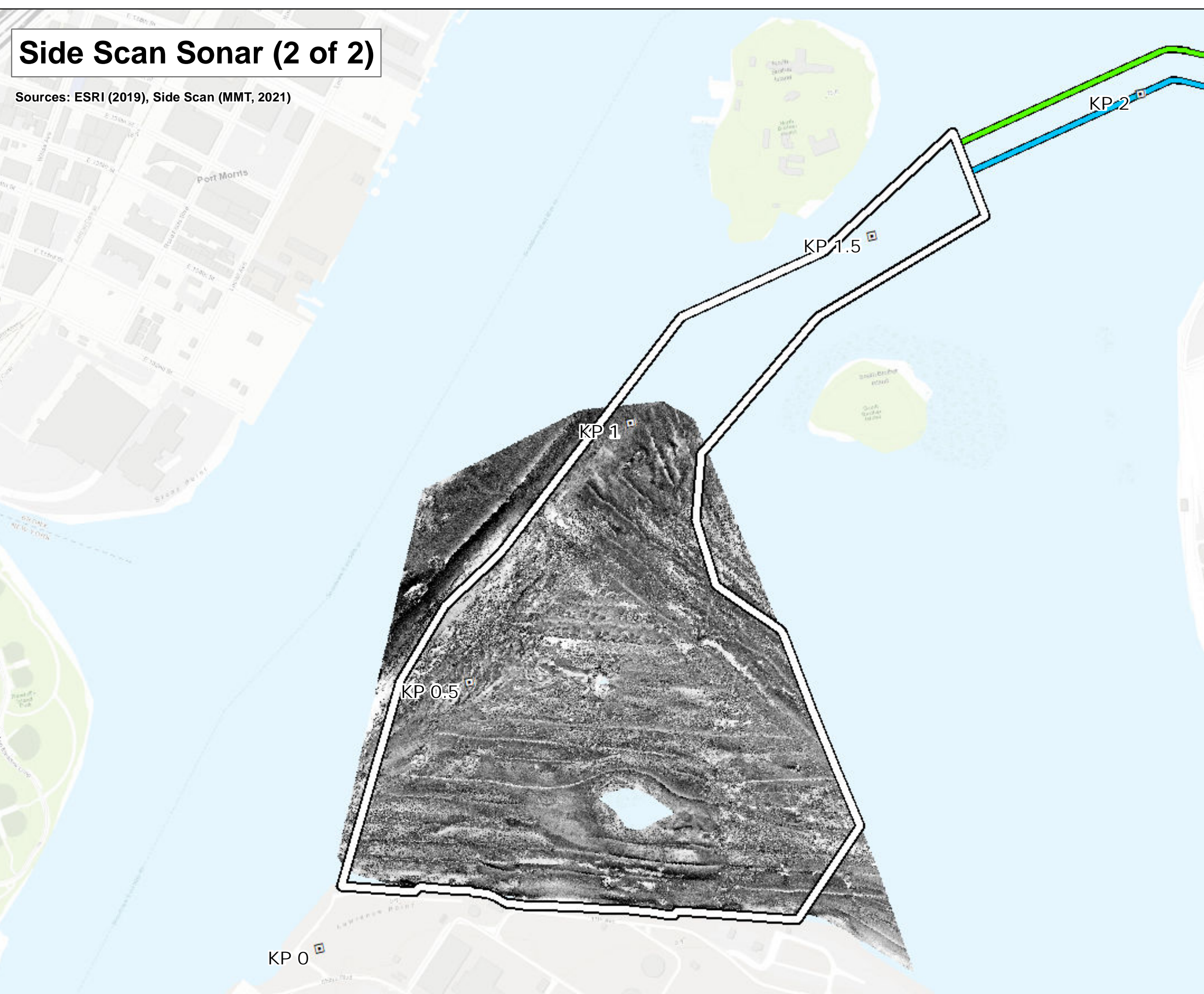
### Backscatter (2 of 2)

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



### Side Scan Sonar (2 of 2)

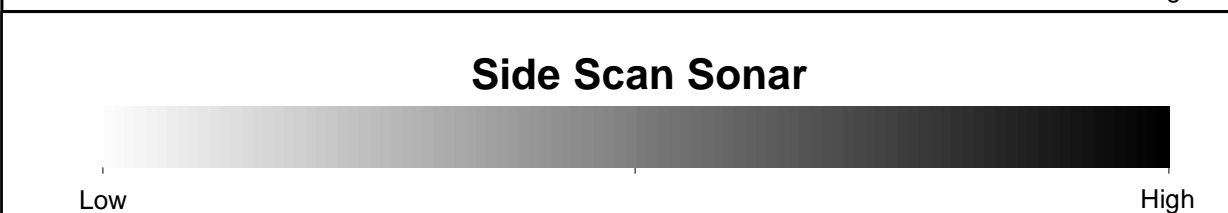
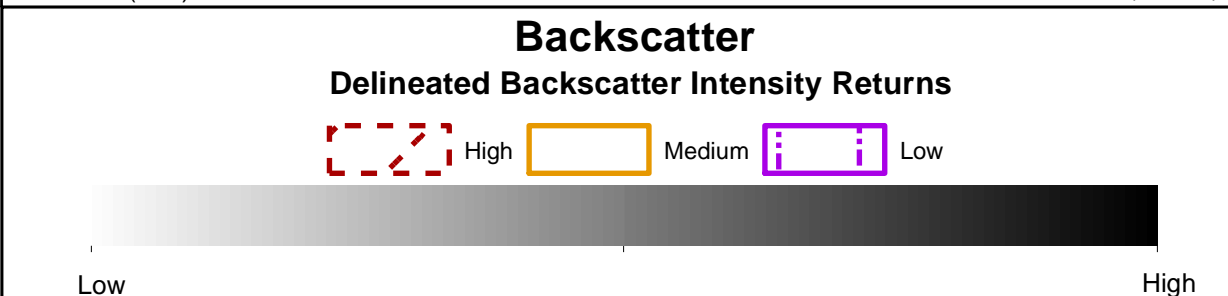
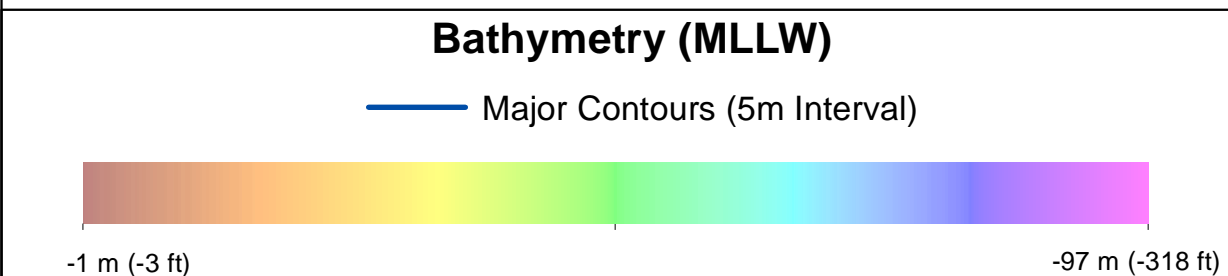
Sources: ESRI (2019), Side Scan (MMT, 2021)



### Map Book Package for Submarine Export Cable Route in State Waters

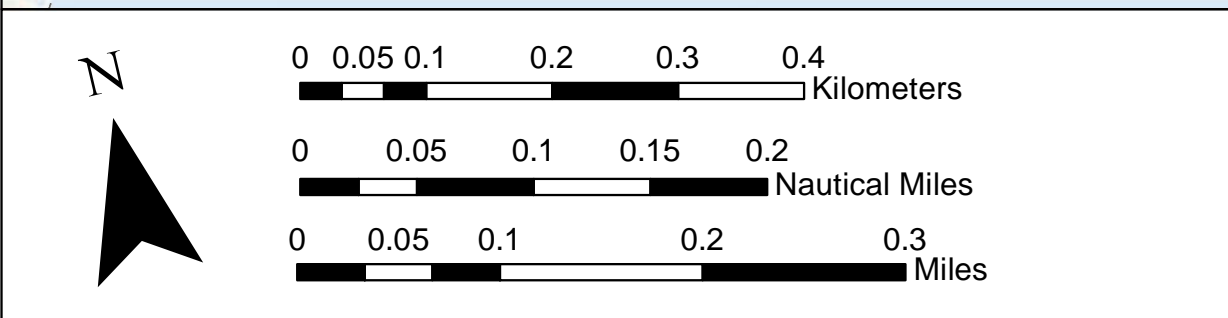
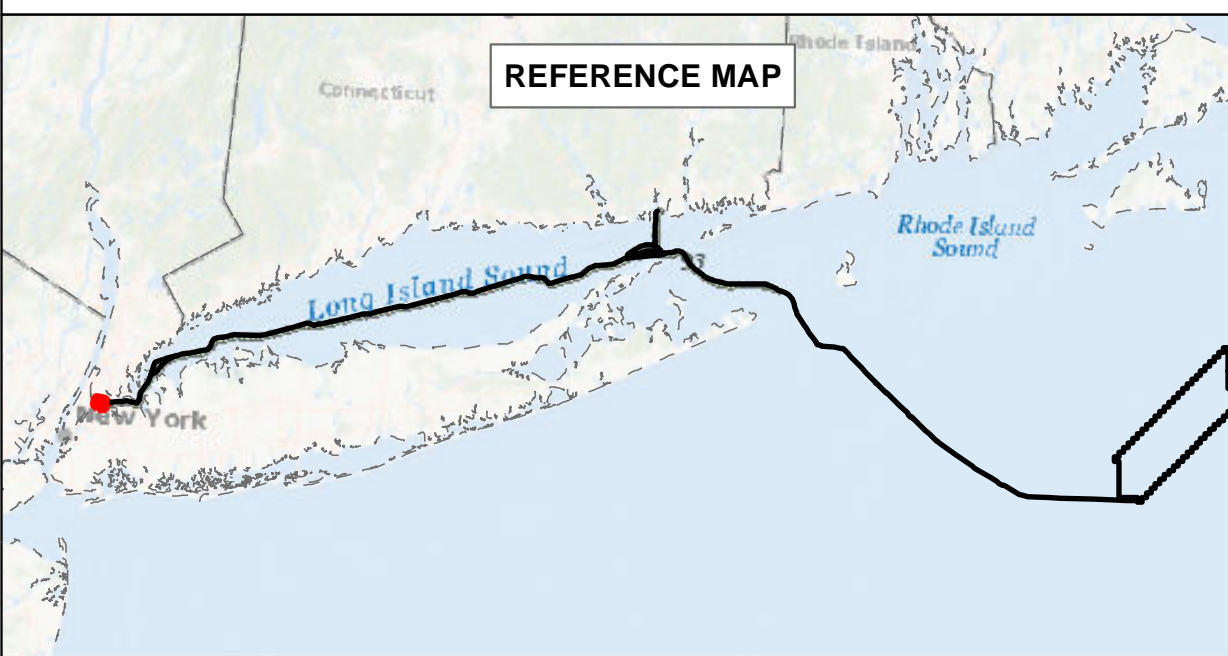


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)
- BW1/BW2 Submarine Export Cable Corridor (NY)



Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:6000



**BEACON WIND LEASE AREA OCS-A 0520**

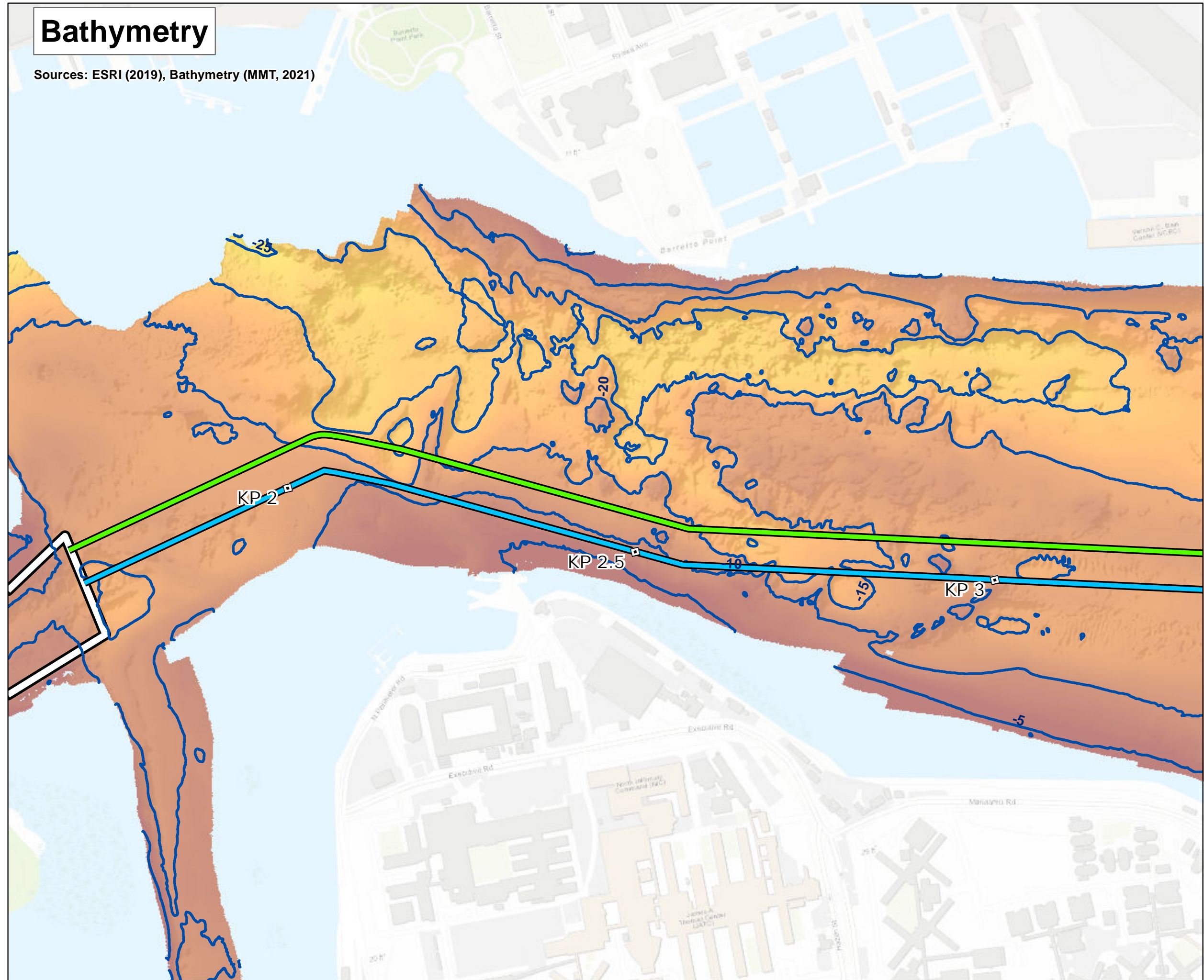
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 1A

BW1 (NY) - KP 0 - KP 2  
BW2 (NY) - KP 0 - KP 2  
BW2 (CT) - N/A



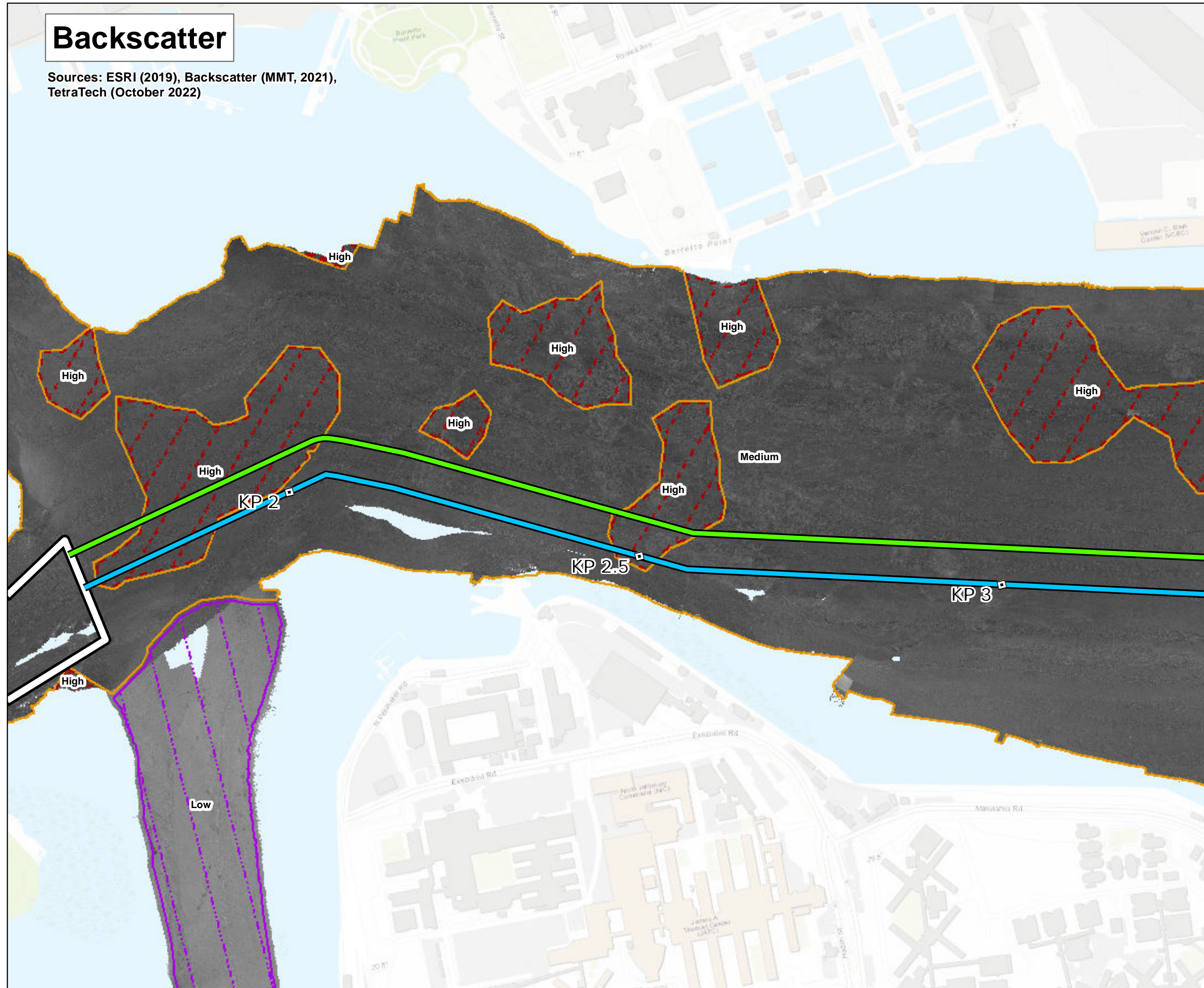
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



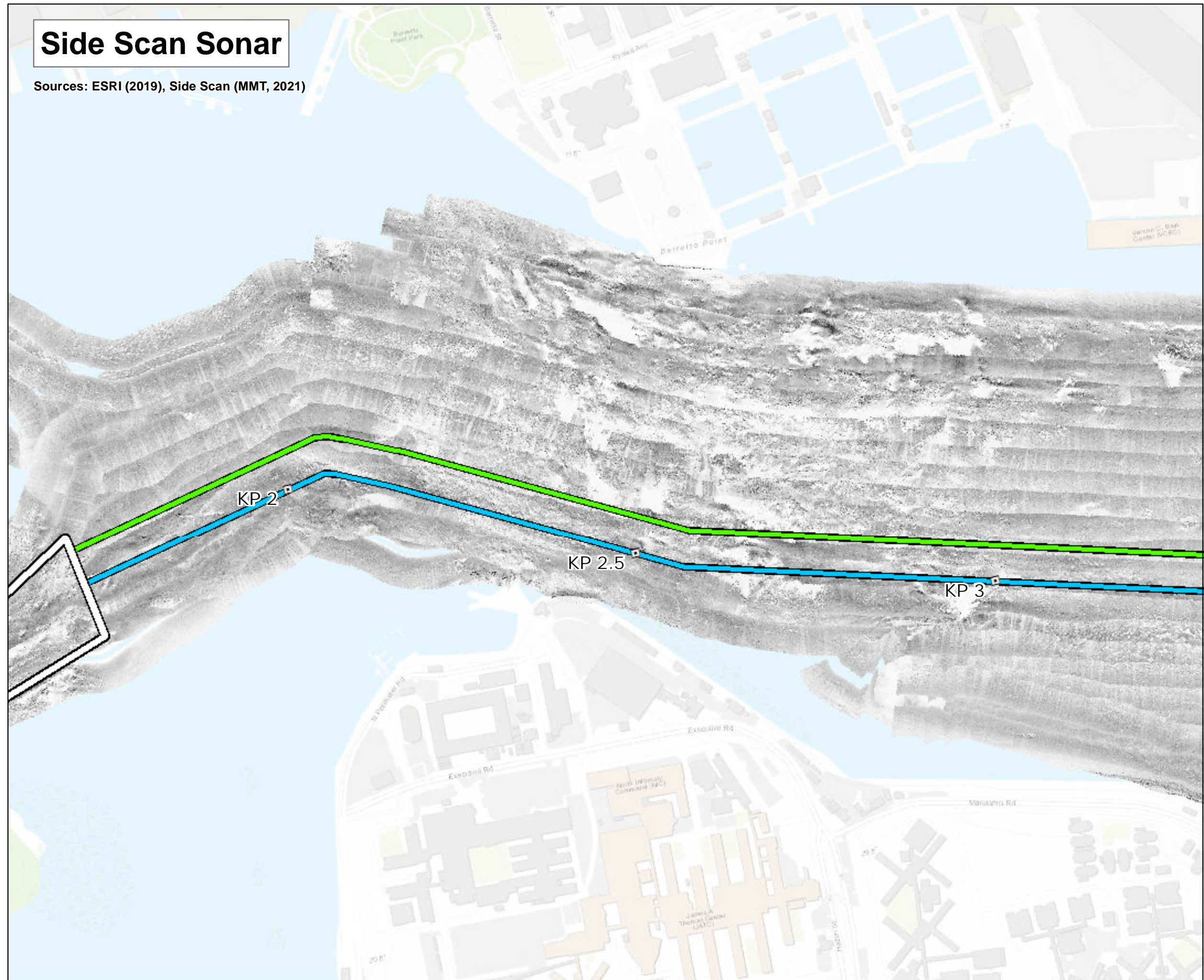
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



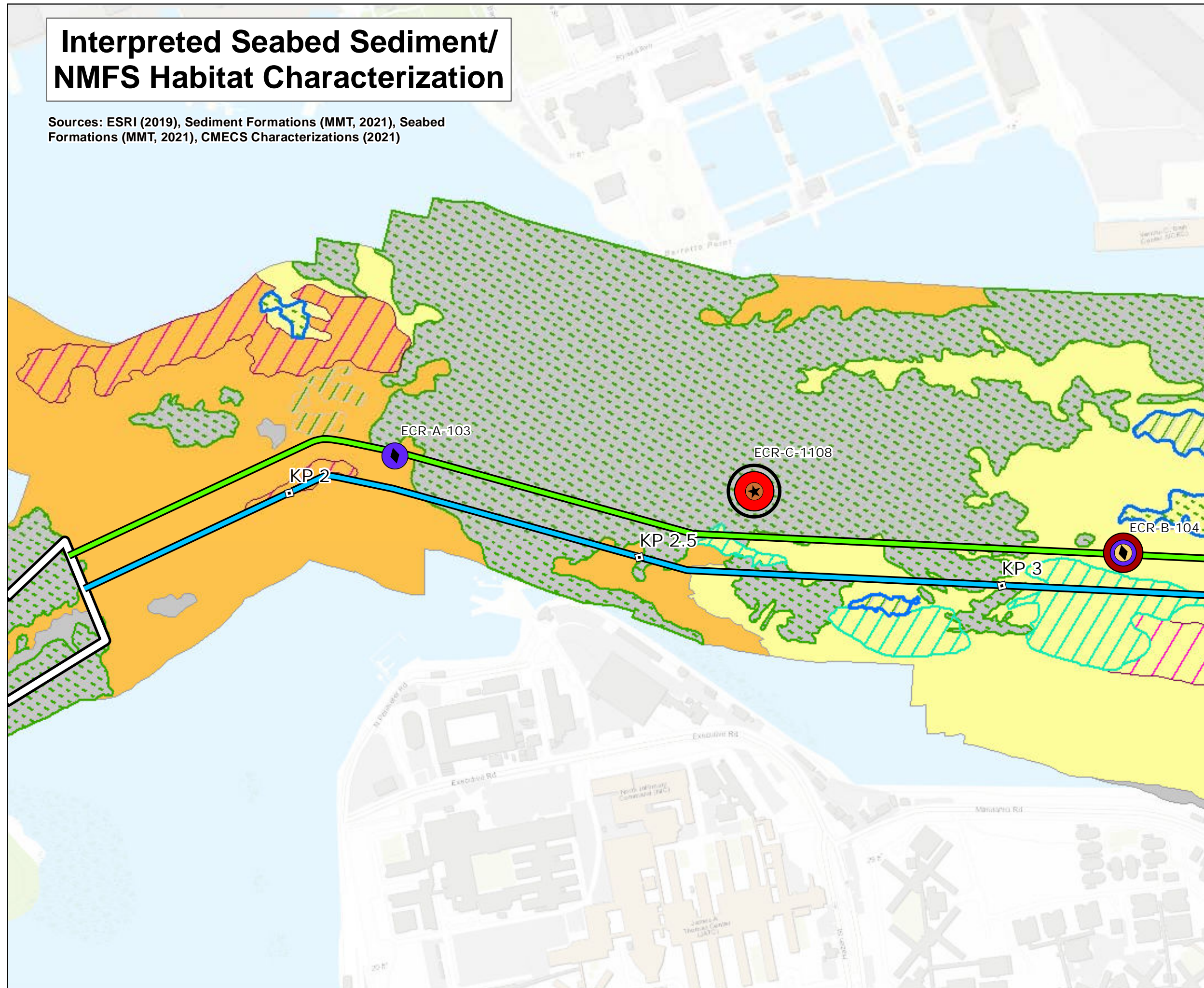
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

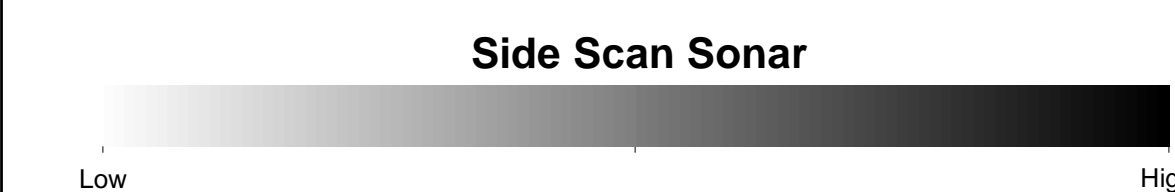
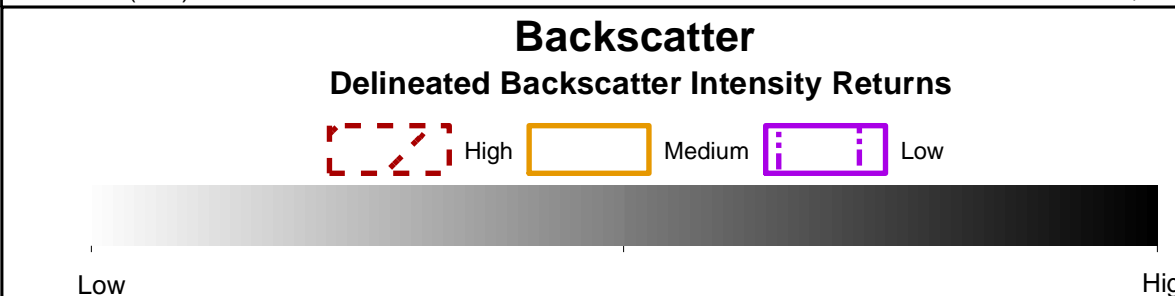
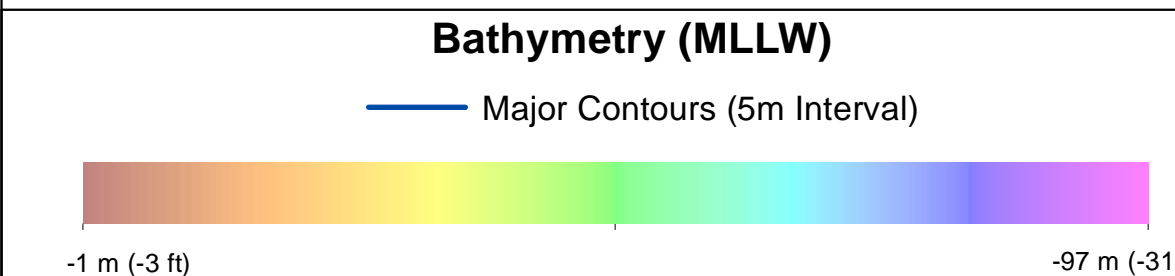
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



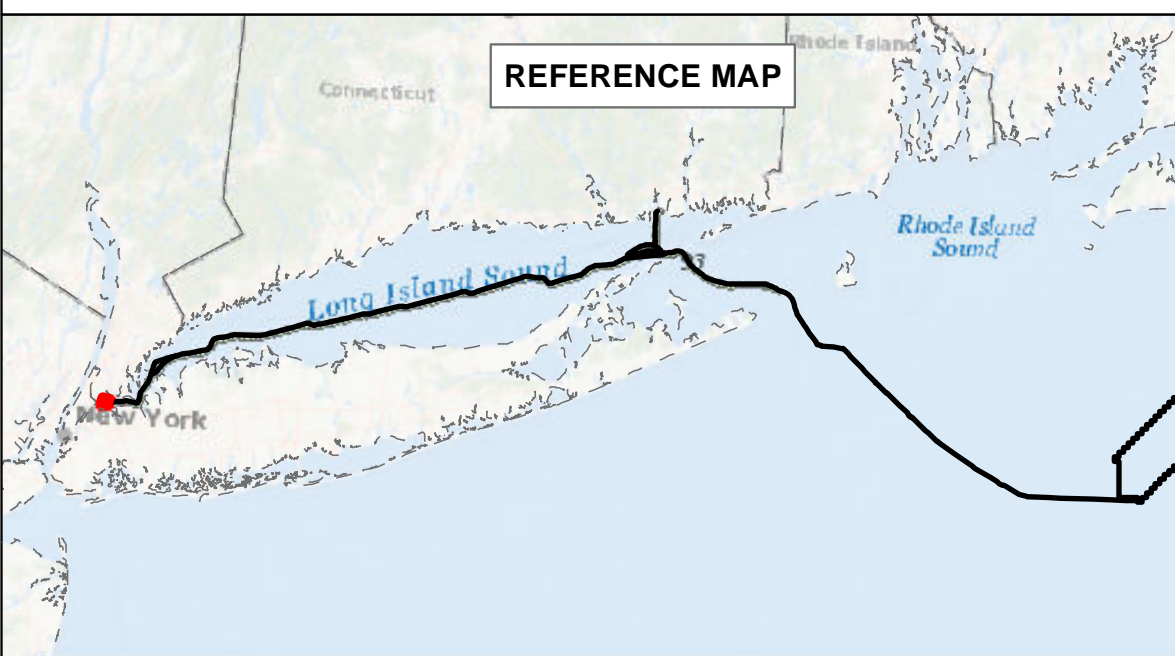
- BW1 and BW2 KPs
- ▭ BW1/BW2 Submarine Export Cable Corridor (NY)
- ▬ BW1 Submarine Export Cable Route (v13)
- ▬ BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |                       |  |   |
|------------------------|-----------------------|--|---|
| <b>Station Type</b>    | ◆ SPI/PV              | ○ Northern Star Coral  | ▨ Occasional Boulders/Large Grained Complex Habitat |
|                        | ★ Video               | ▨ Sand Ripples   | ▨ Heterogeneous Complex Habitat                     |
| <b>CMECS Biotic</b>    | ● Large Macrofauna    | ▨ Megaripples  |   |
|                        | ● Soft Sediment Fauna | ▨ Sand Ripples   |   |
| <b>CMECS Substrate</b> | ● Gravel              |  |   |
| <b>CMECS Geomorph</b>  | ● Boulder Field       | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |   |
|                        | ● Flat                | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |   |
|                        |                       | ■ Mixed Sediment/Complex Habitat                                 |   |
|                        |                       | ■ Till/Complex Habitat   |   |
|                        |                       | ■ Numerous Boulders/Large Grained Complex Habitat                |   |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



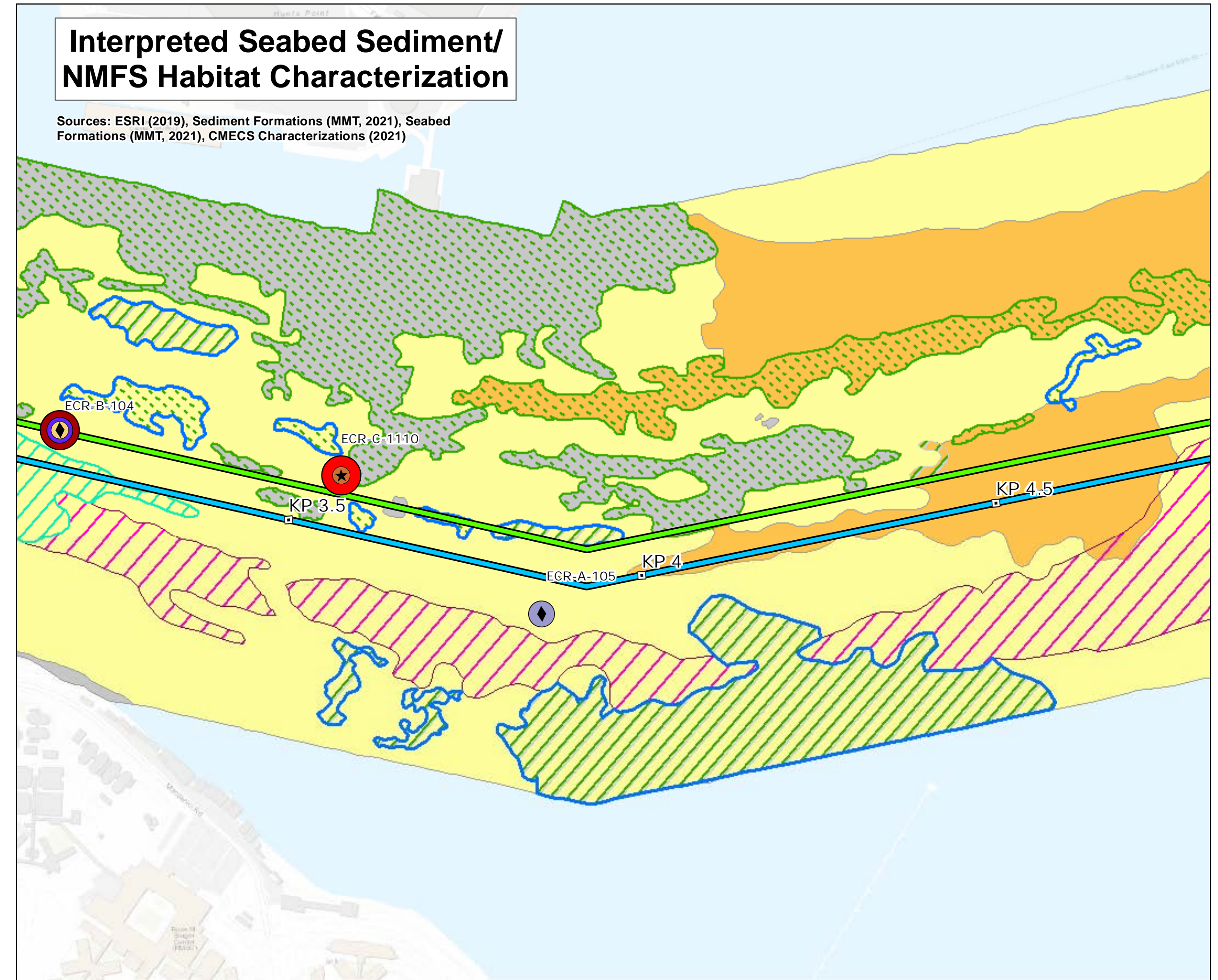
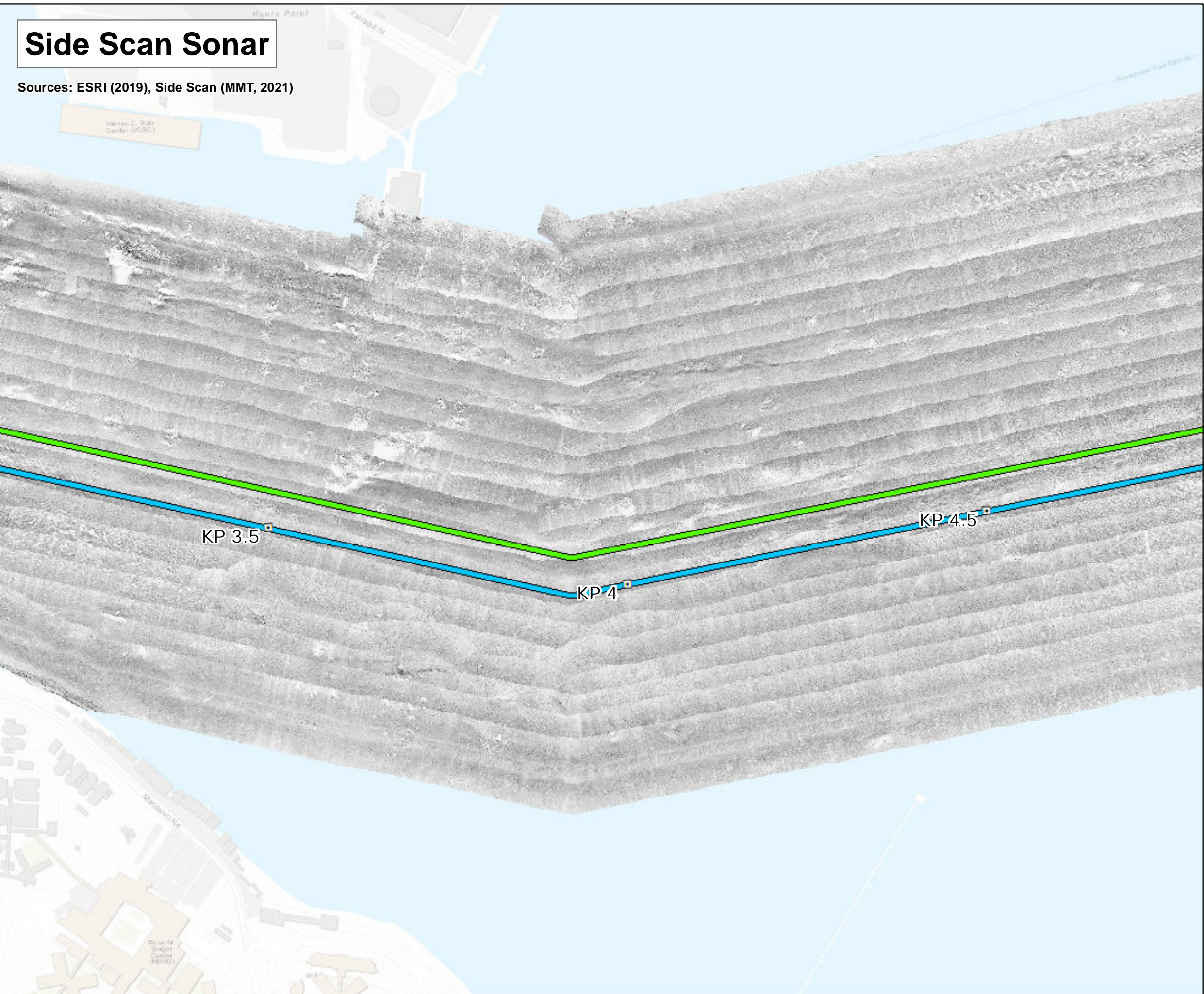
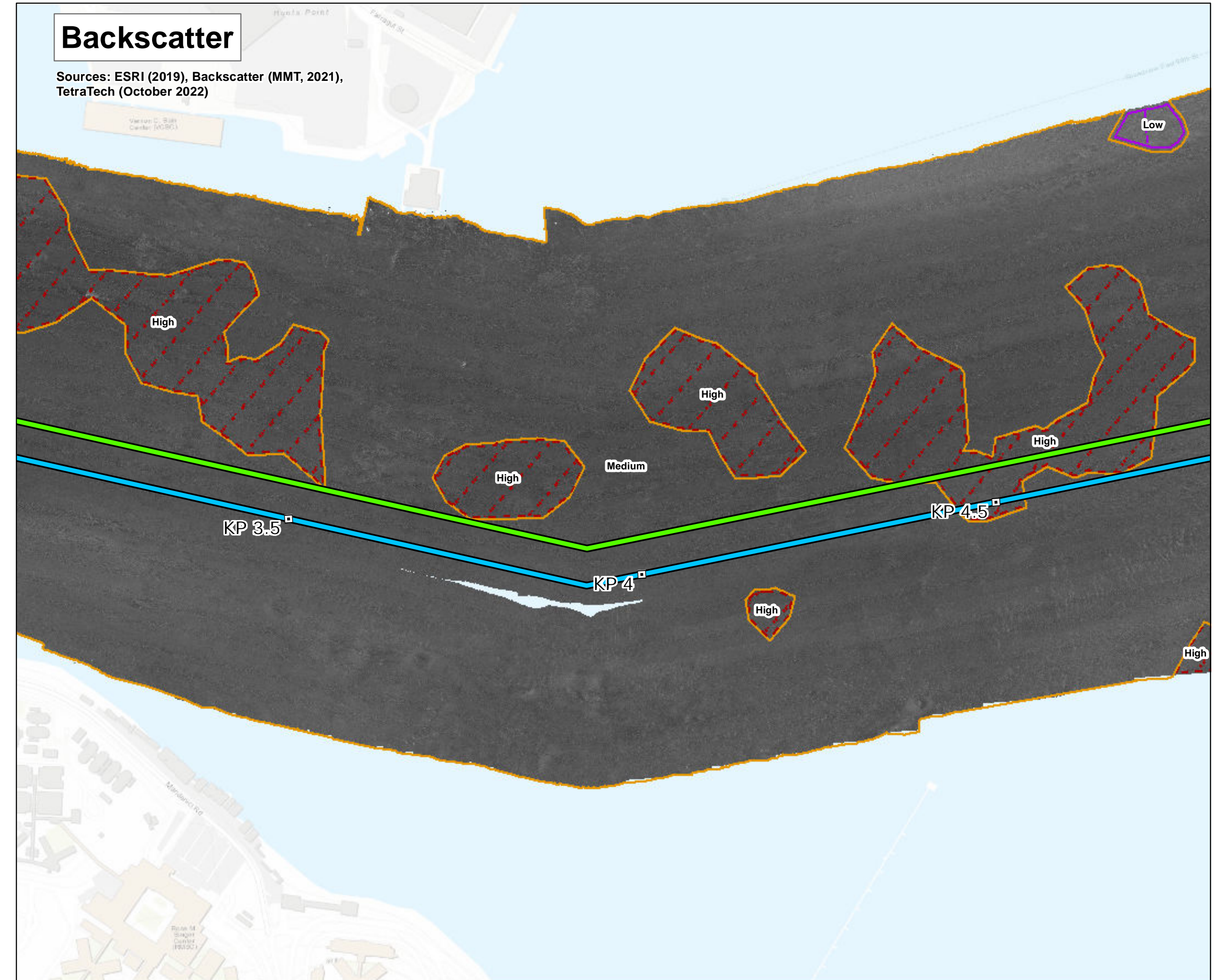
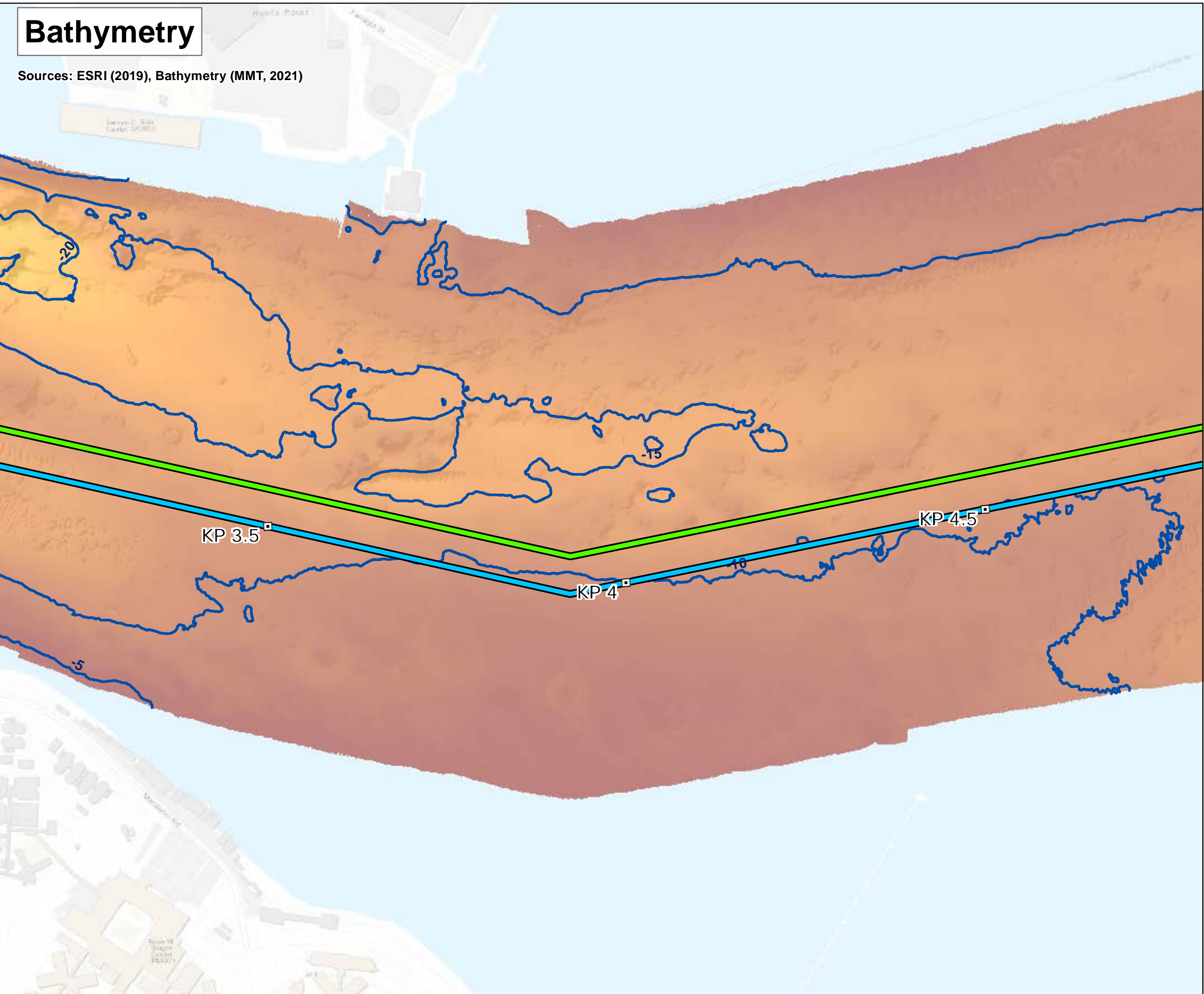
## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 2

BW1 (NY) - KP 2 - KP 3  
BW2 (NY) - KP 2 - KP 3  
BW2 (CT) - N/A





### Map Book Package for Submarine Export Cable Route in State Waters

□ BW1 and BW2 KPs  
 ■ BW1 Submarine Export Cable Route (v13)  
 ■ BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)

Major Contours (5m Interval)

-1 m (-3 ft) to -97 m (-318 ft)

#### Backscatter

##### Delineated Backscatter Intensity Returns

High Medium Low

#### Side Scan Sonar

Low to High

#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

<b>Station Type</b> ◆ SPI/PV ★ Video <b>CMECS Biotic</b> ● Large Macrofauna ● Soft Sediment Fauna <b>CMECS Substrate</b> ● Gravelly ● Gravel <b>CMECS Geofom</b> ● Boulder Field ● Flat	<b>Benthic Features</b> ■ Megaripples ■ Sand Ripples <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> ■ Mud and Sandy Mud/Soft Bottom Habitat ■ Mixed Sediment/Complex Habitat ■ Till/Complex Habitat ■ Numerous Boulders/Large Grained Complex Habitat ■ Occasional Boulders/Large Grained Complex Habitat	■ Heterogeneous Complex Habitat
--	---	---------------------------------

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
 Date: 3/1/2023  
 Scale: 1:5000

#### REFERENCE MAP

0 0.05 0.1 0.2 0.3 0.4 Kilometers  
 0 0.05 0.1 0.15 0.2 Nautical Miles  
 0 0.05 0.1 0.2 0.3 Miles

### BEACON WIND LEASE AREA OCS-A 0520

#### Map Book Package for Submarine Export Cable Route in State Waters

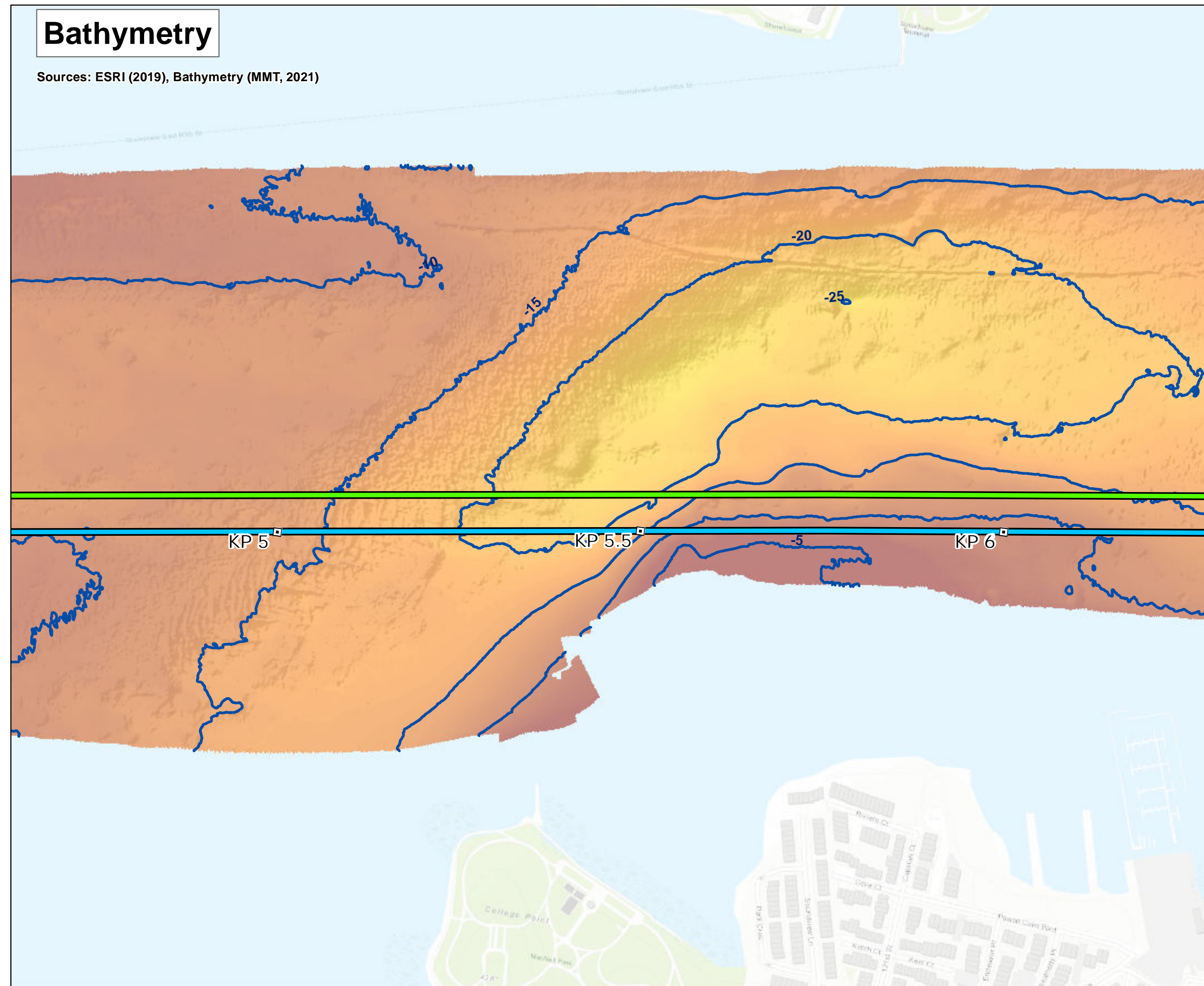
##### Tile 3

BW1 (NY) - KP 3.5 - KP 4.5  
 BW2 (NY) - KP 3.5 - KP 4.5  
 BW2 (CT) - N/A



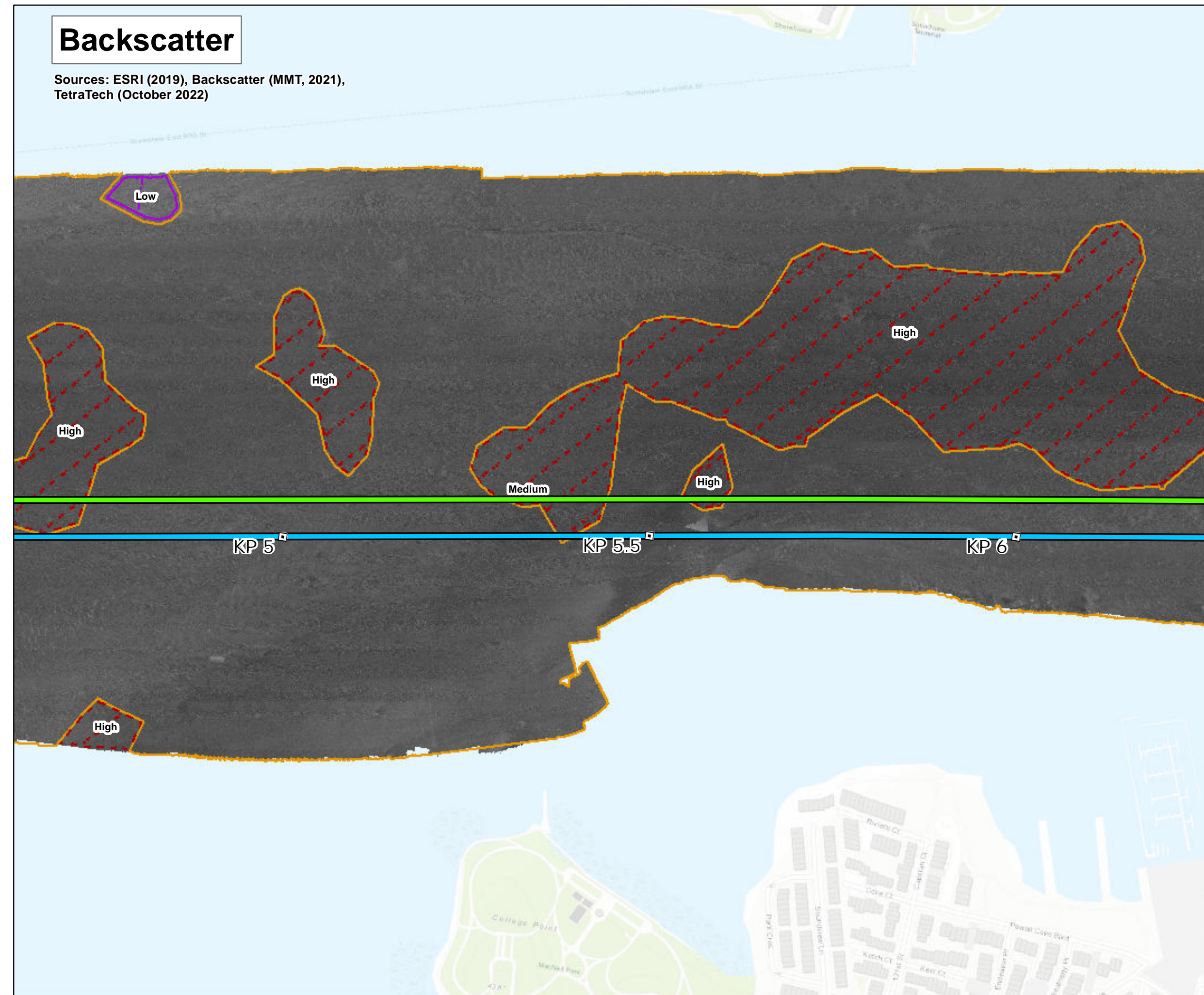
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



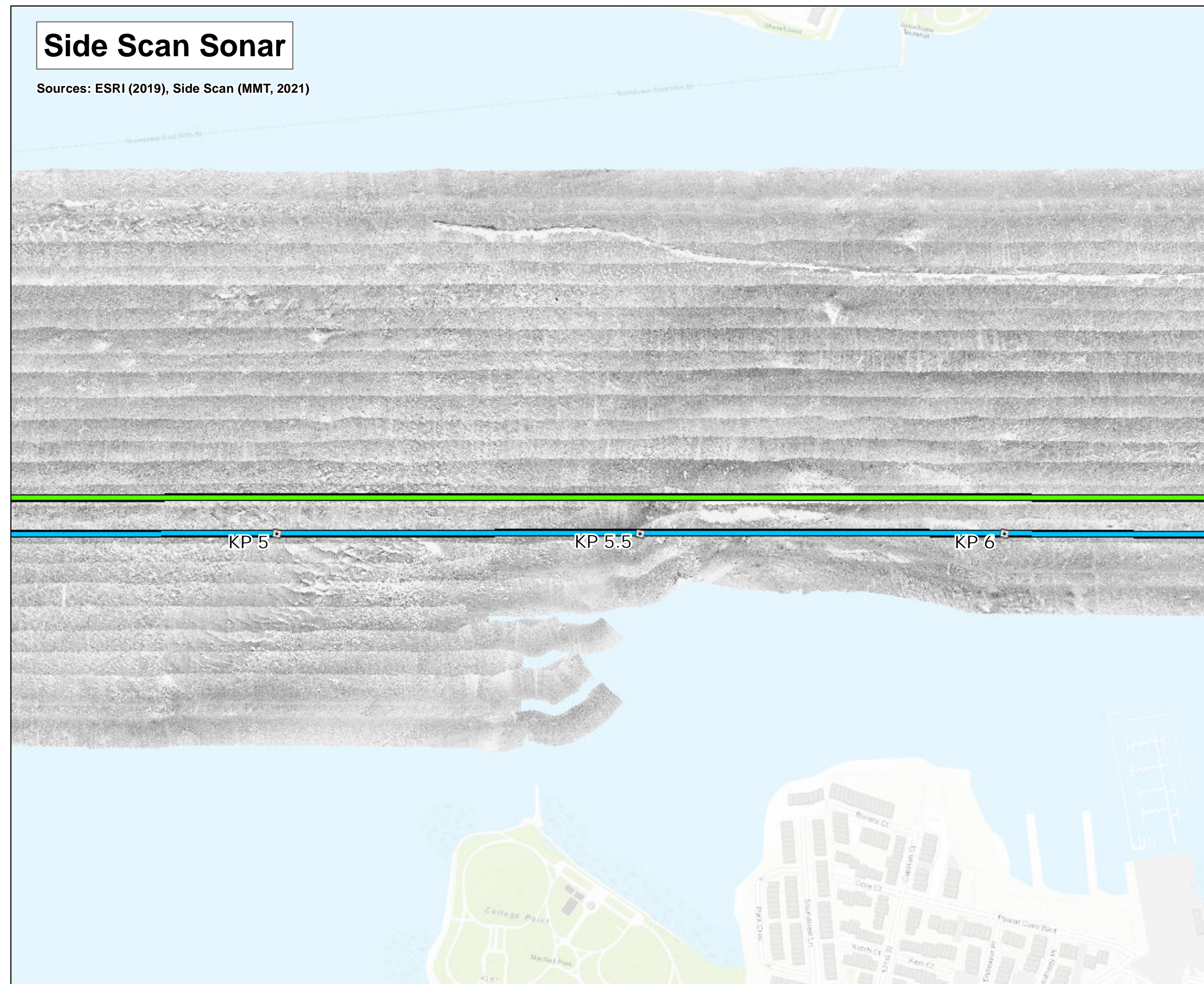
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



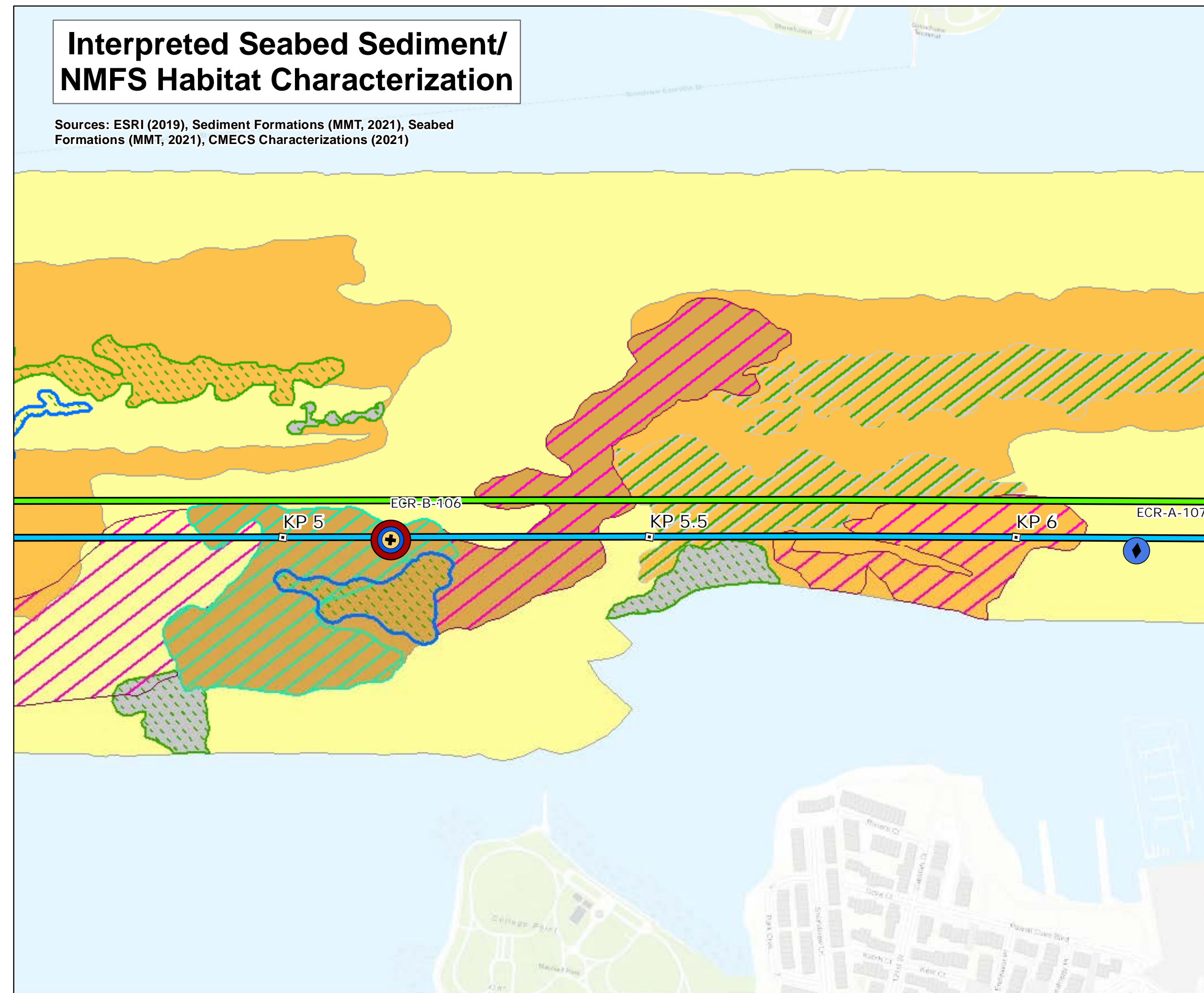
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

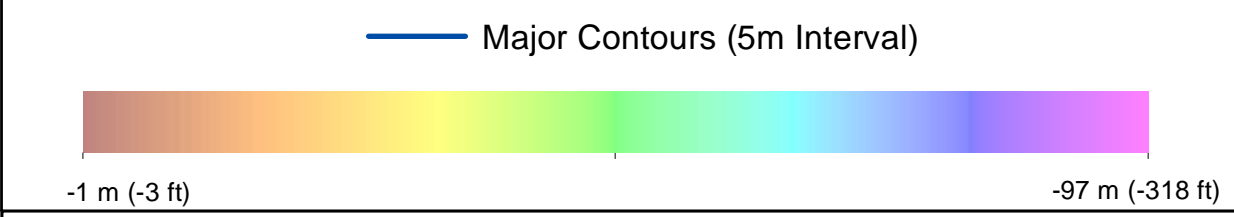


# Map Book Package for Submarine Export Cable Route in State Waters

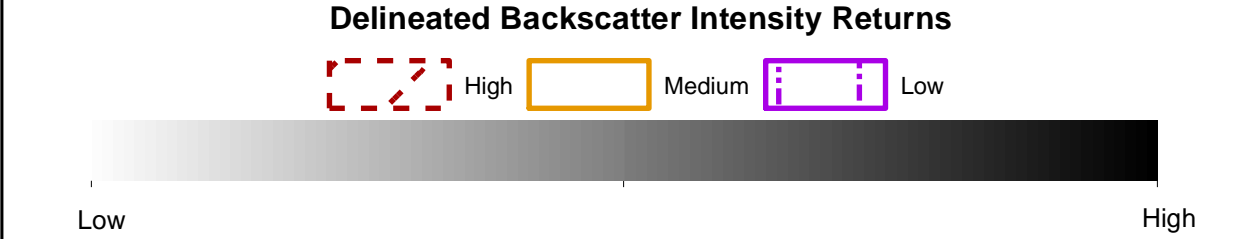


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar



## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

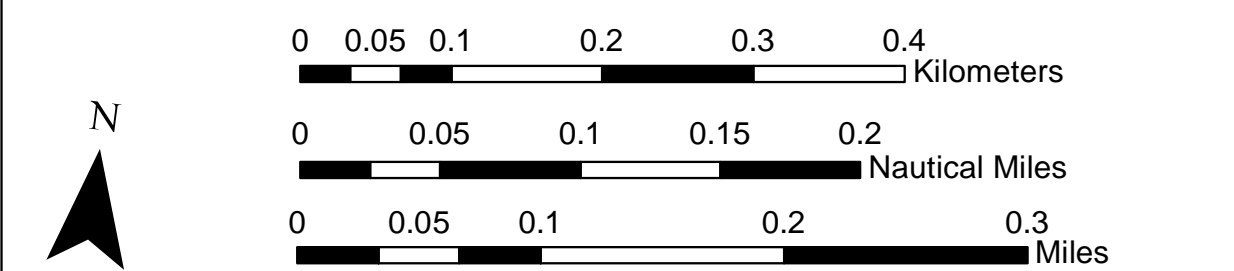
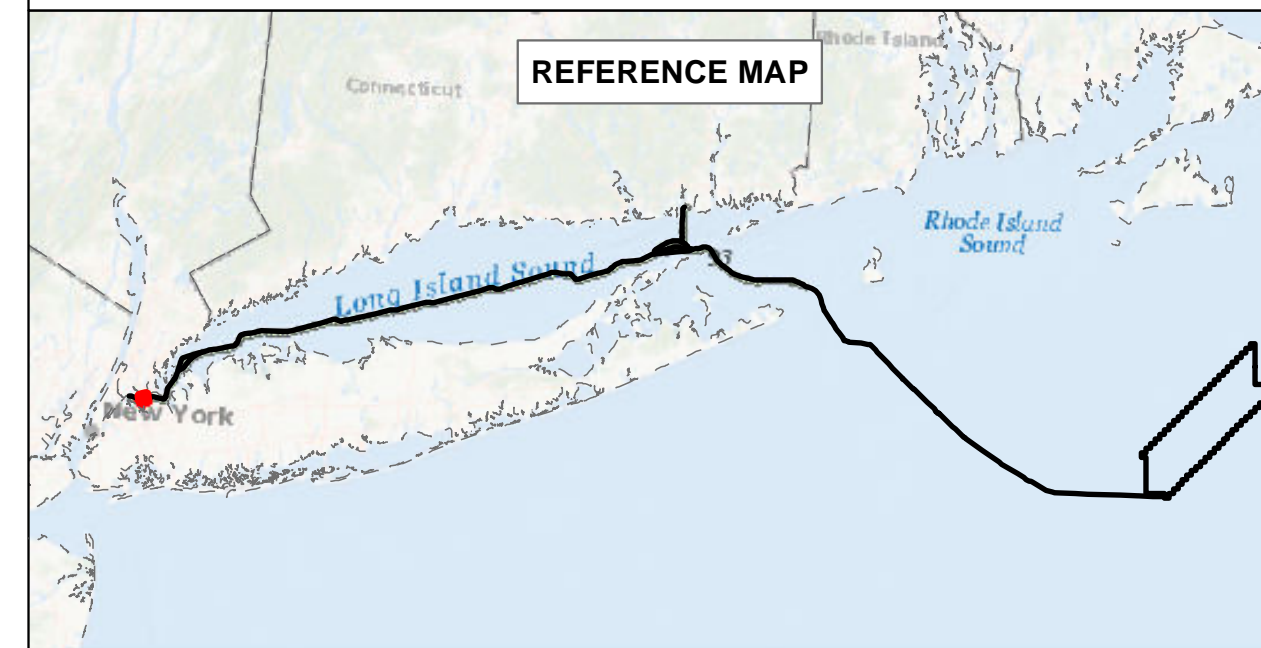
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ◆ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ● Soft Sediment Fauna   | ■ Mixed Sediment/Complex Habitat                                 |
| <b>CMECS Substrate</b>  | ■ Till/Complex Habitat   |
| ● Muddy Sand            | ■ Numerous Boulders/Large Grained Complex Habitat                |
| ● Shell Hash            | ■ Occasional Boulders/Large Grained Complex Habitat              |
| <b>CMECS Geomorph</b>   | ■ Heterogeneous Complex Habitat                                  |
| ● Flat                  |  |
| <b>Benthic Features</b> |  |
| ■ Megaripples           |  |
| ■ Sand Ripples          |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

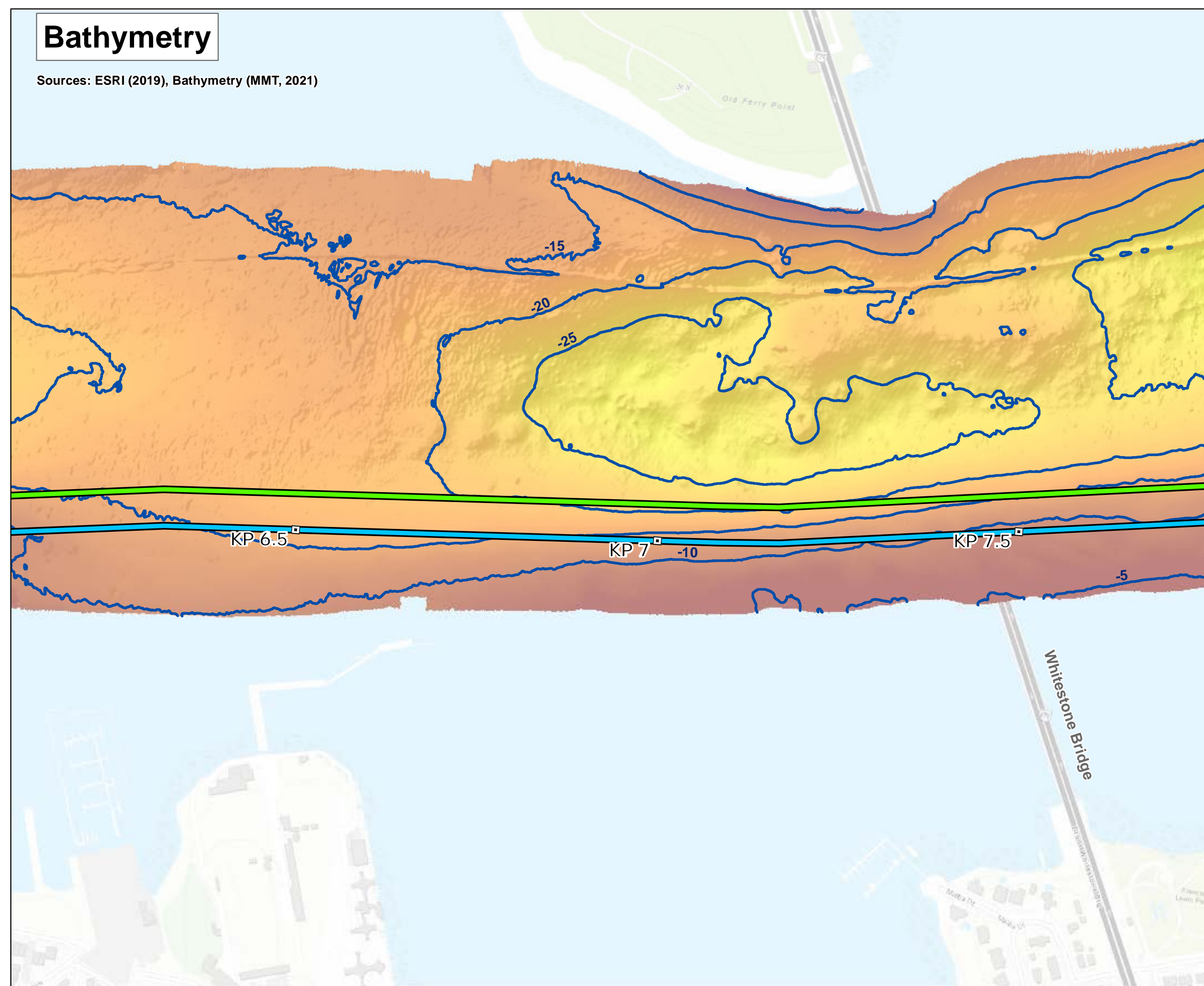
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 4

BW1 (NY) - KP 5 - KP 6  
BW2 (NY) - KP 5 - KP 6  
BW2 (CT) - N/A



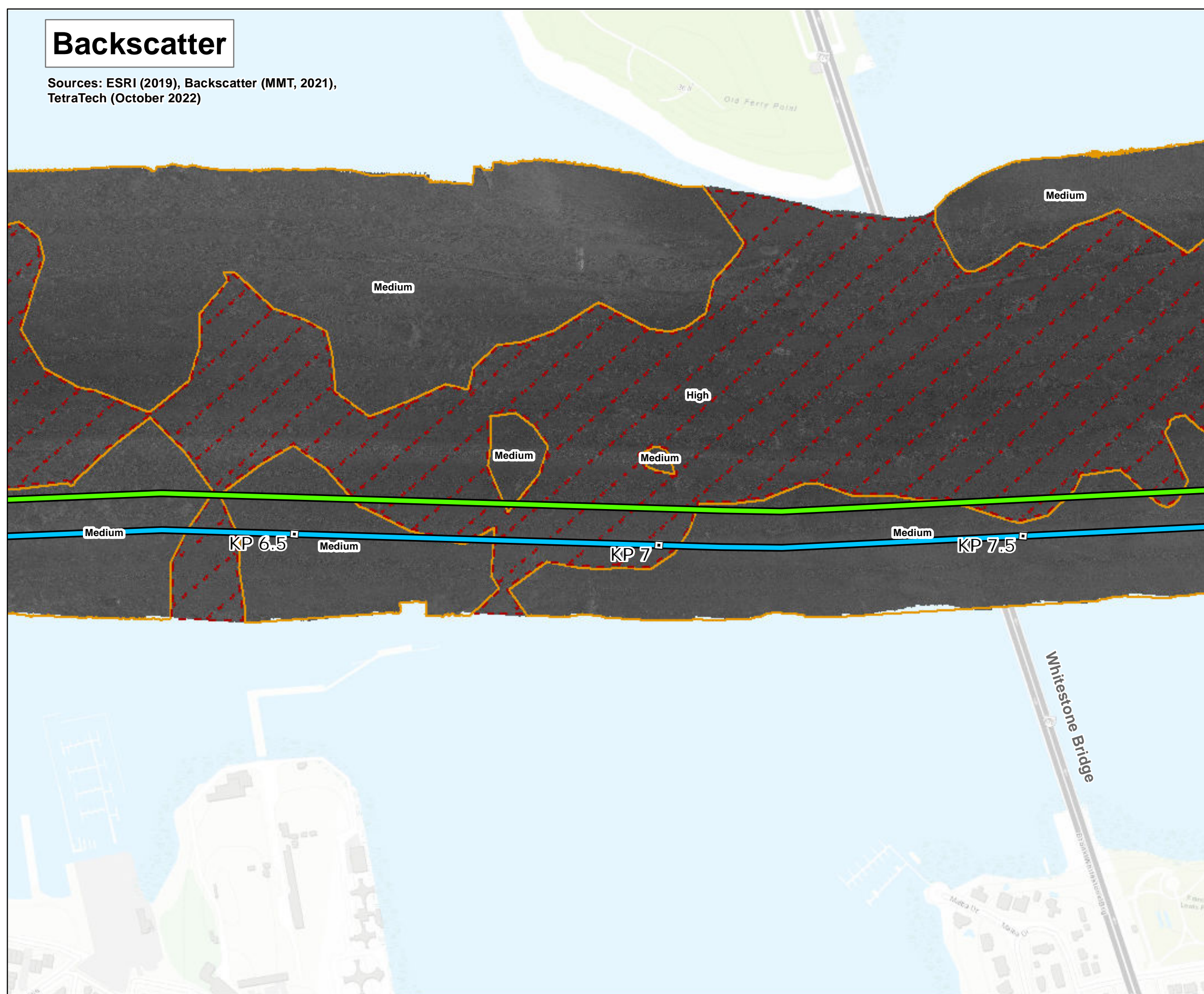
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



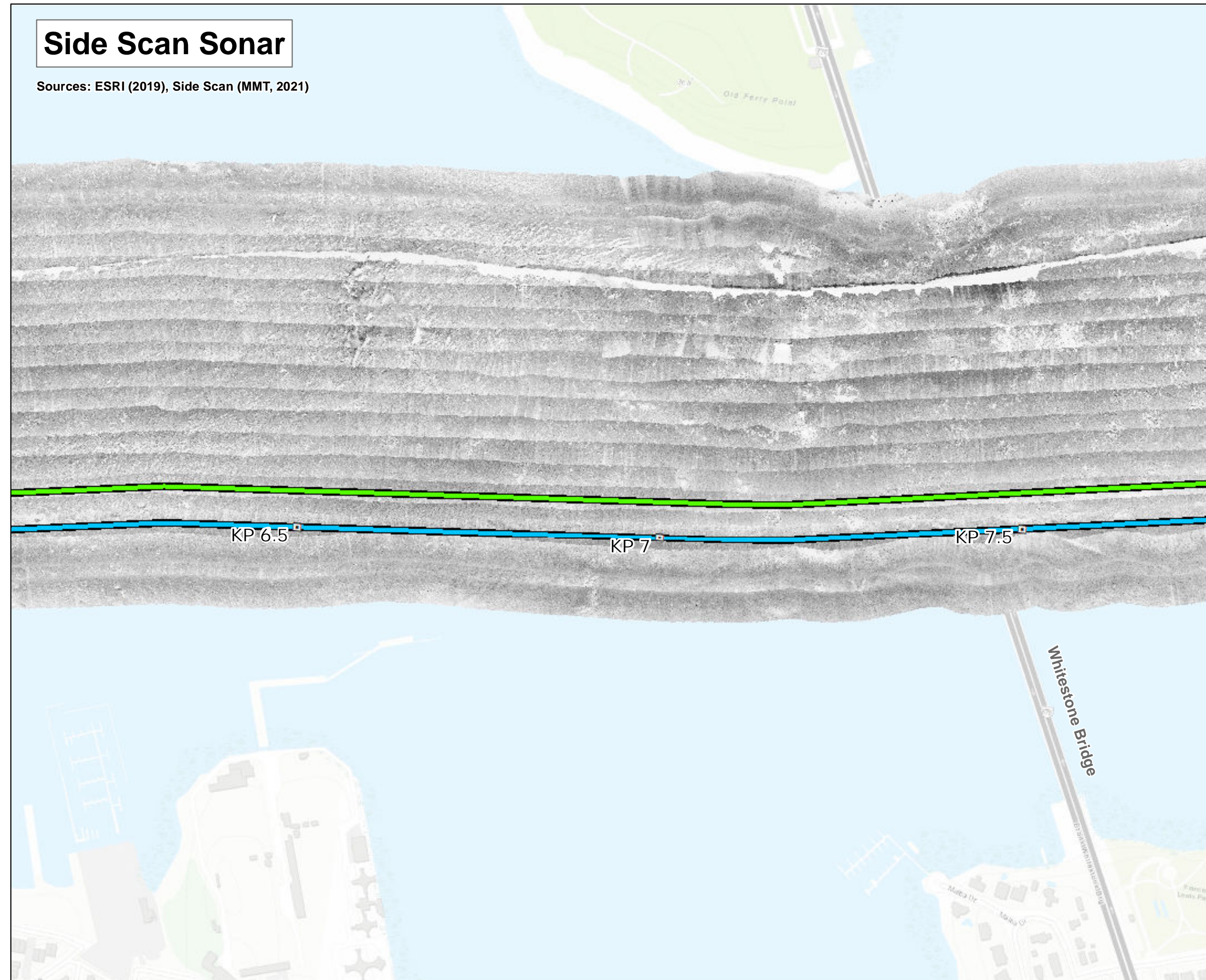
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



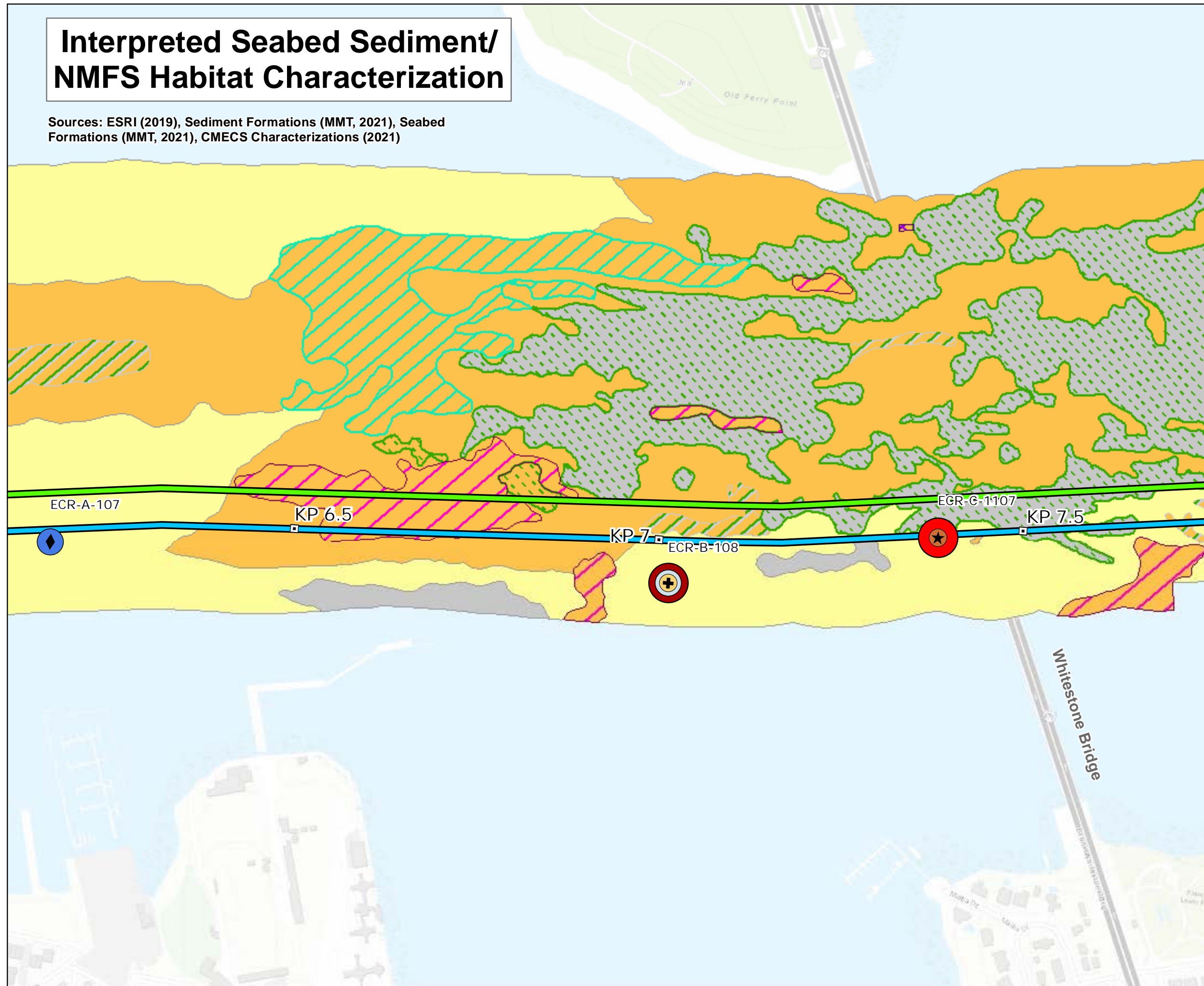
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

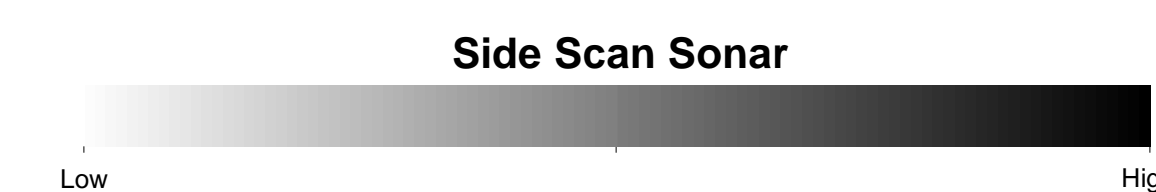
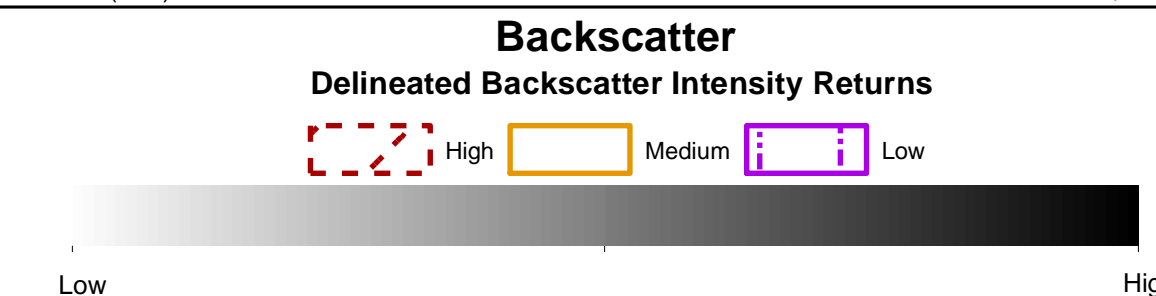
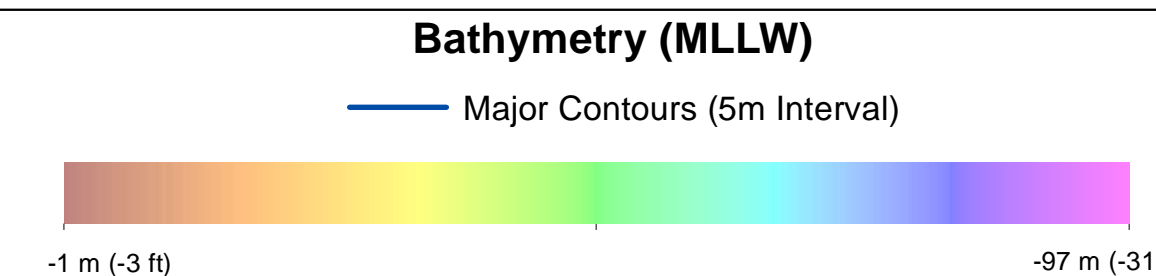
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

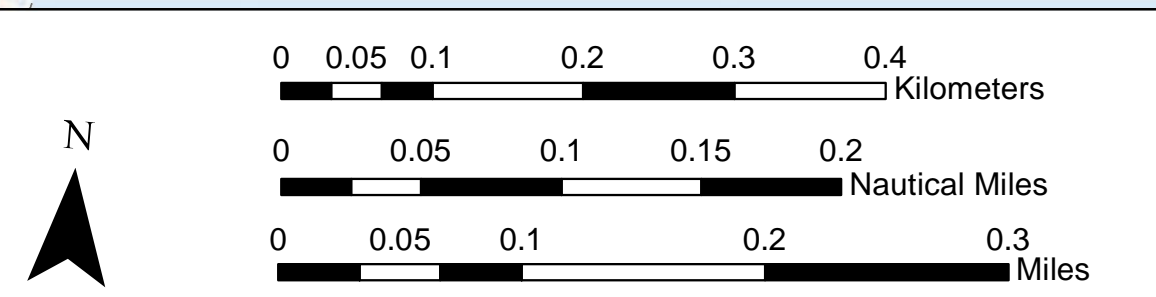
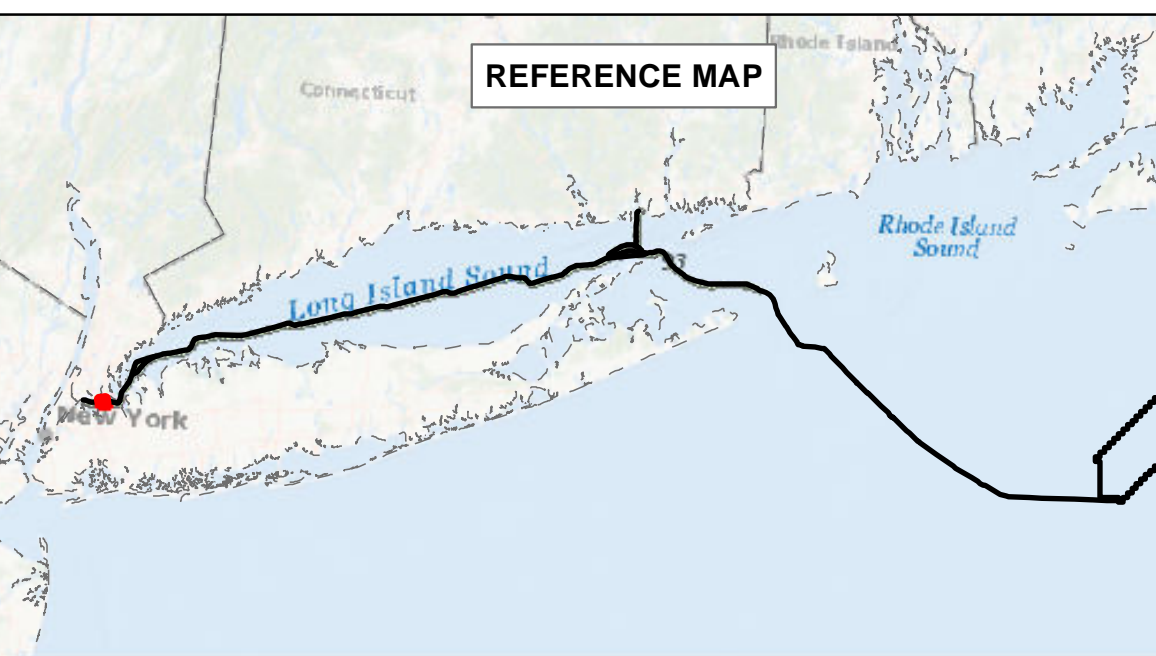


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |   |
|--|---|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video     | <b>Benthic Features</b><br>▨ Megaripples<br>▨ Sand Ripples<br>▨ Subsea Structure  |
| <b>CMECS Biotic</b><br>● Large Macrofauna<br>● Soft Sediment Fauna | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>■ Mud and Sandy Mud/Soft Bottom Habitat<br>■ Mixed Sediment/Complex Habitat |
| <b>CMECS Substrate</b><br>● Shell Hash<br>● Shell Rubble/Hash      | <b>CMECS Geofom</b><br>● Boulder Field<br>● Flat  |
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
 Date: 3/1/2023  
 Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

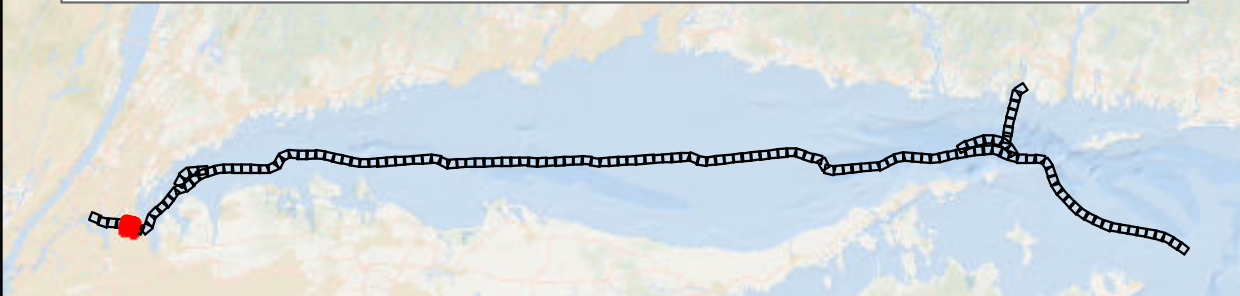
### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 5

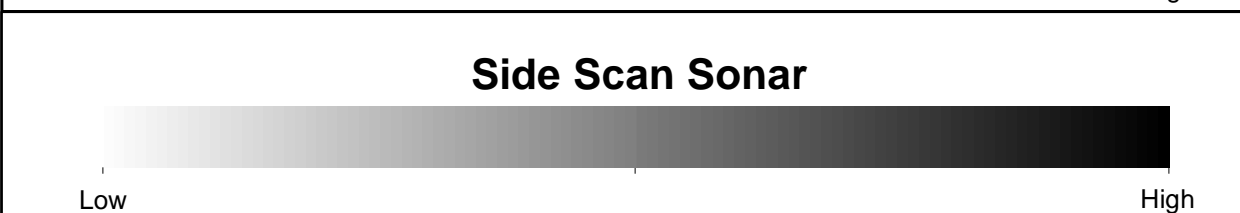
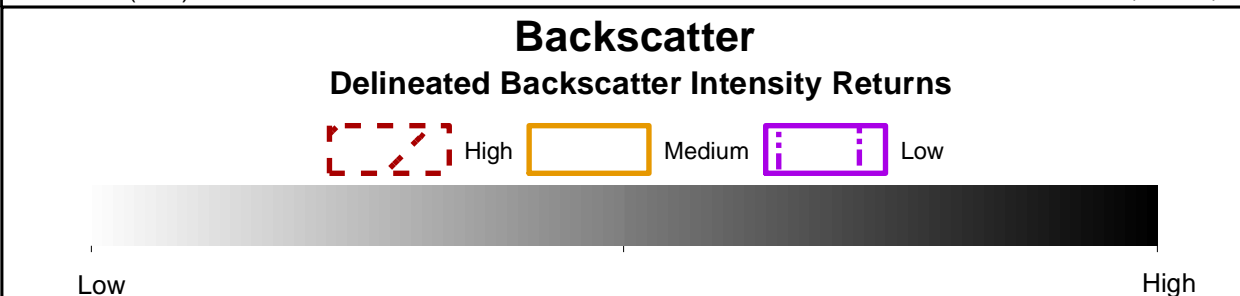
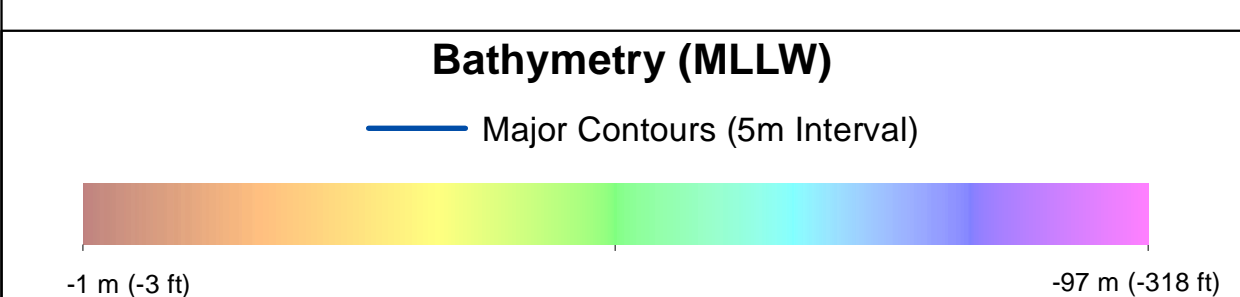
BW1 (NY) - KP 6.5 - KP 7.5  
 BW2 (NY) - KP 6.5 - KP 7.5  
 BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**



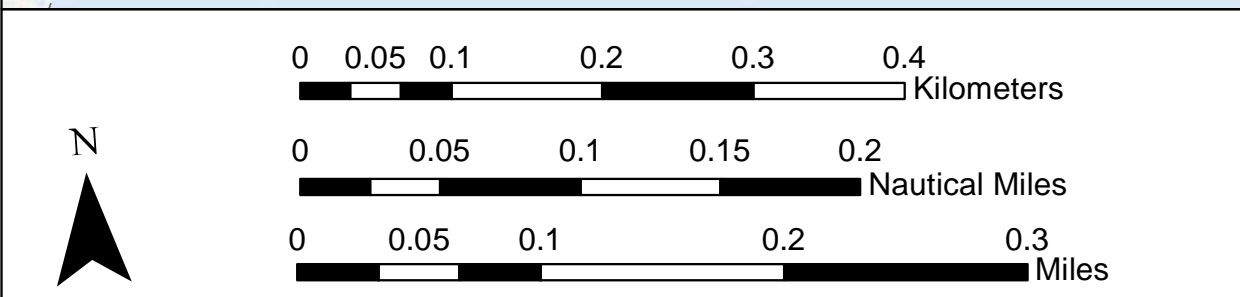
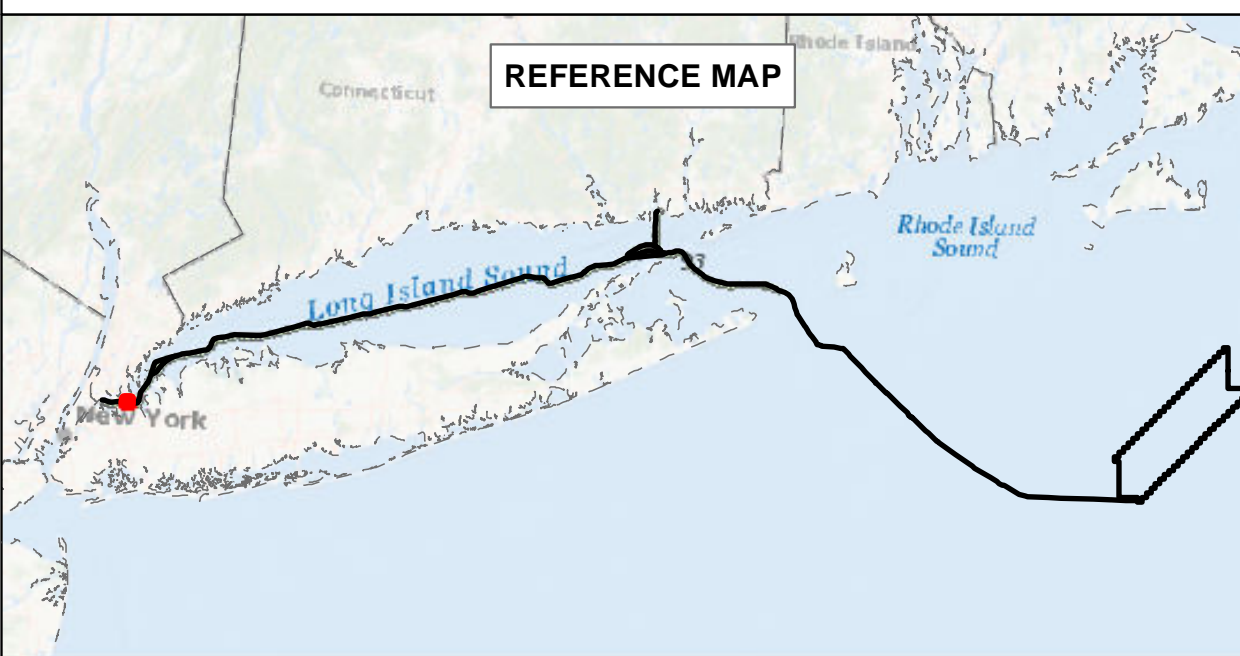
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |   |   |
|---|---|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li>✦ Grab and Video</li> <li>◆ SPI/PV</li> <li>★ Video</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li>● Large Macrofauna</li> <li>● Soft Sediment Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li>● Crepidula Reef Substrate</li> <li>● Muddy Sand</li> </ul> <p><b>CMECS Geofom</b></p> <ul style="list-style-type: none"> <li>● Boulder Field</li> <li>● Flat</li> </ul> | <ul style="list-style-type: none"> <li>○ Northern Star Coral</li> <li>▨ Occasional Boulders/Large Grained Complex Habitat</li> </ul> <p><b>Benthic Features</b></p> <ul style="list-style-type: none"> <li>▨ Sand Ripples</li> </ul> <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li>▨ Mud and Sandy Mud/Soft Bottom Habitat</li> <li>▨ Mixed Sediment/Complex Habitat</li> <li>▨ Till/Complex Habitat</li> <li>▨ Numerous Boulders/Large Grained Complex Habitat</li> </ul> |
|---|---|

Note: 1) Legend only shows items visible in the current map extent.

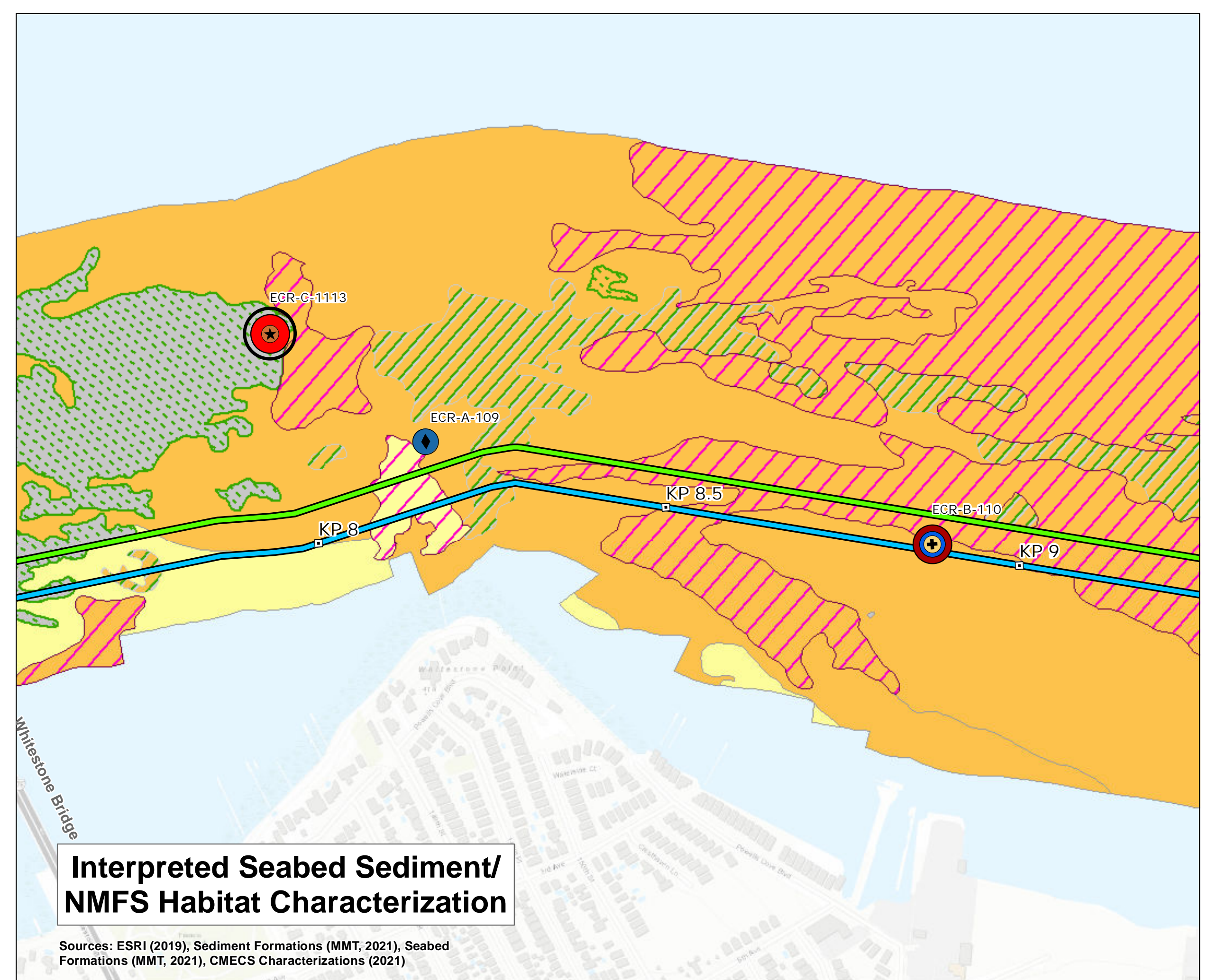
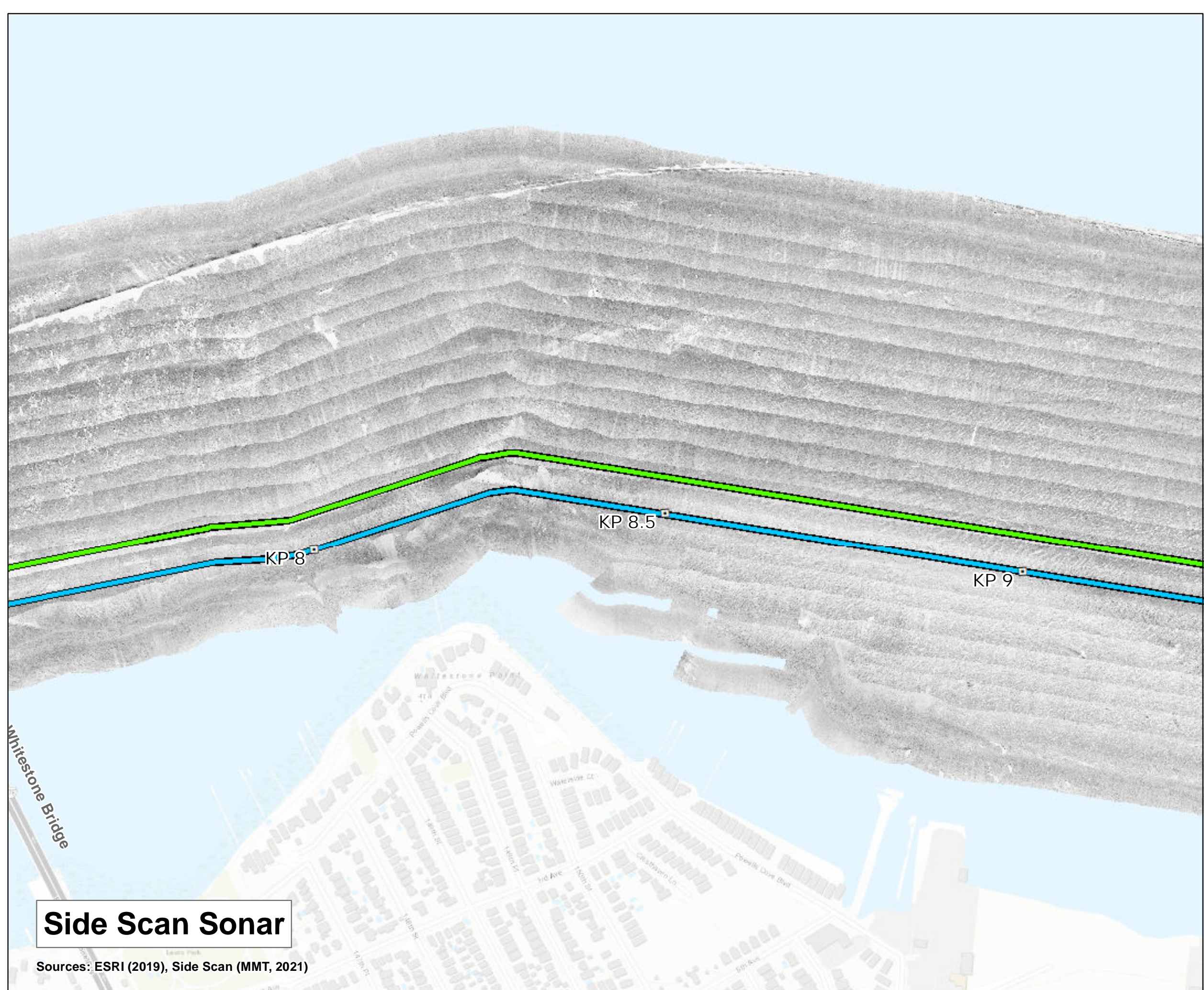
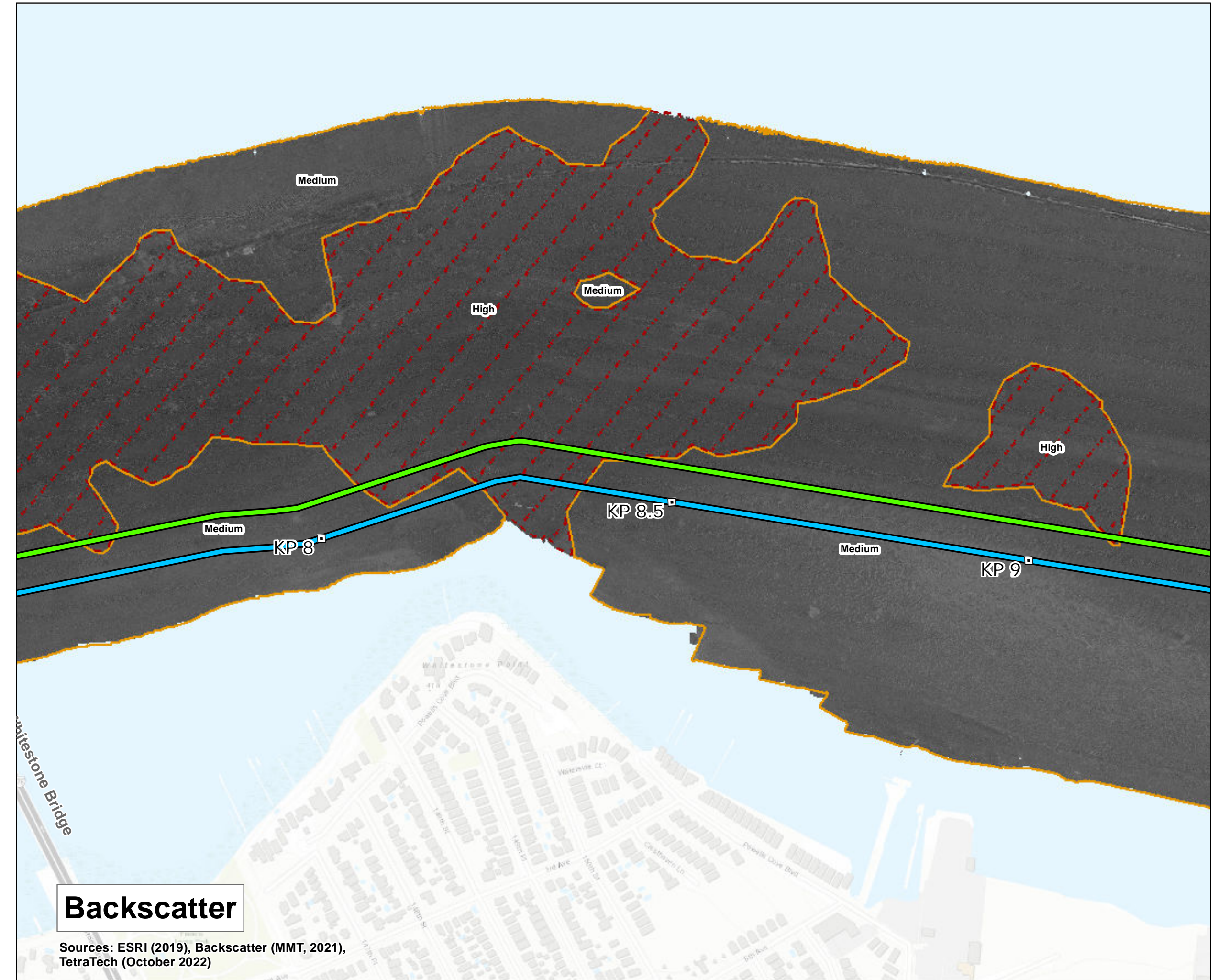
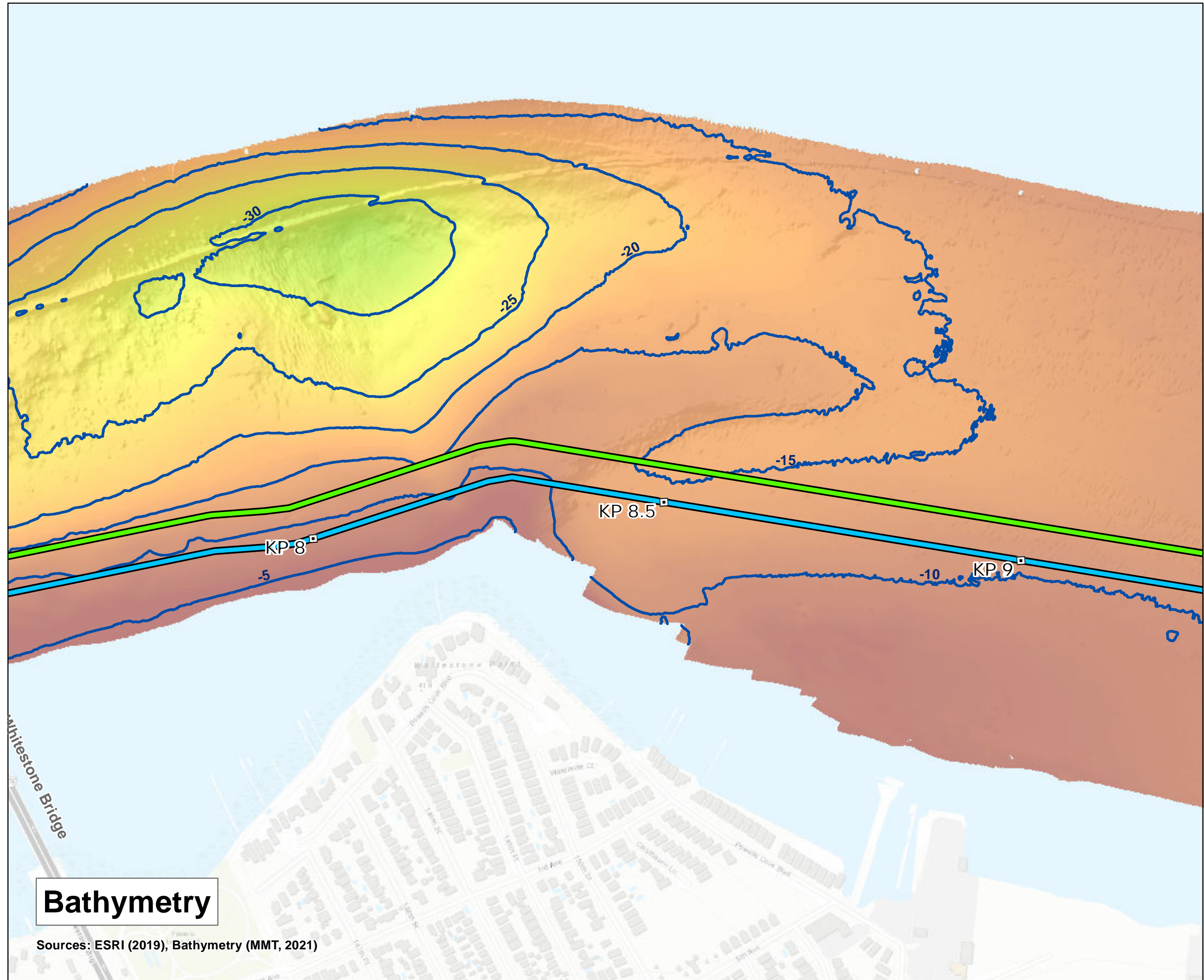
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 6

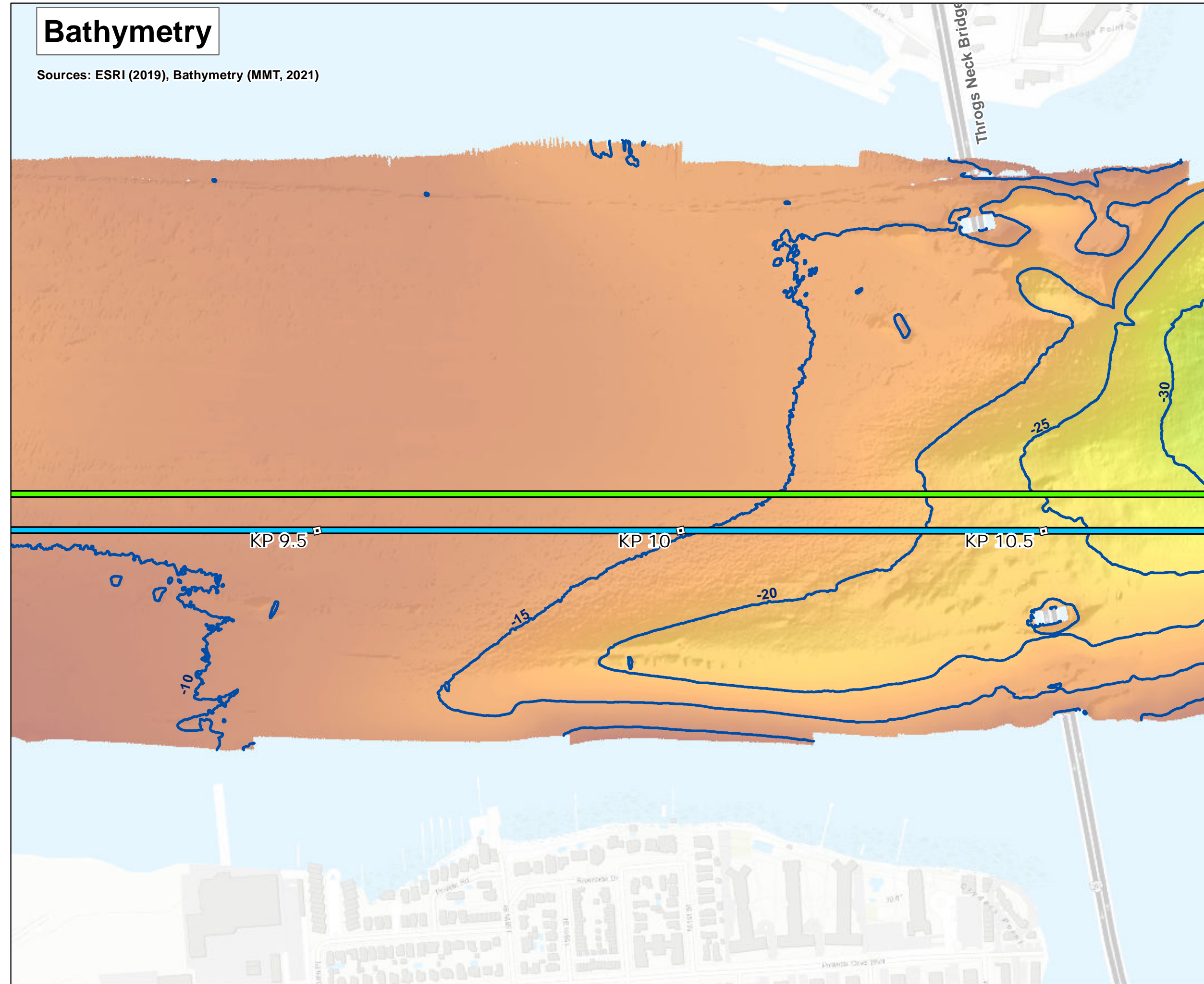
BW1 (NY) - KP 8 - KP 9  
BW2 (NY) - KP 8 - KP 9  
BW2 (CT) - N/A





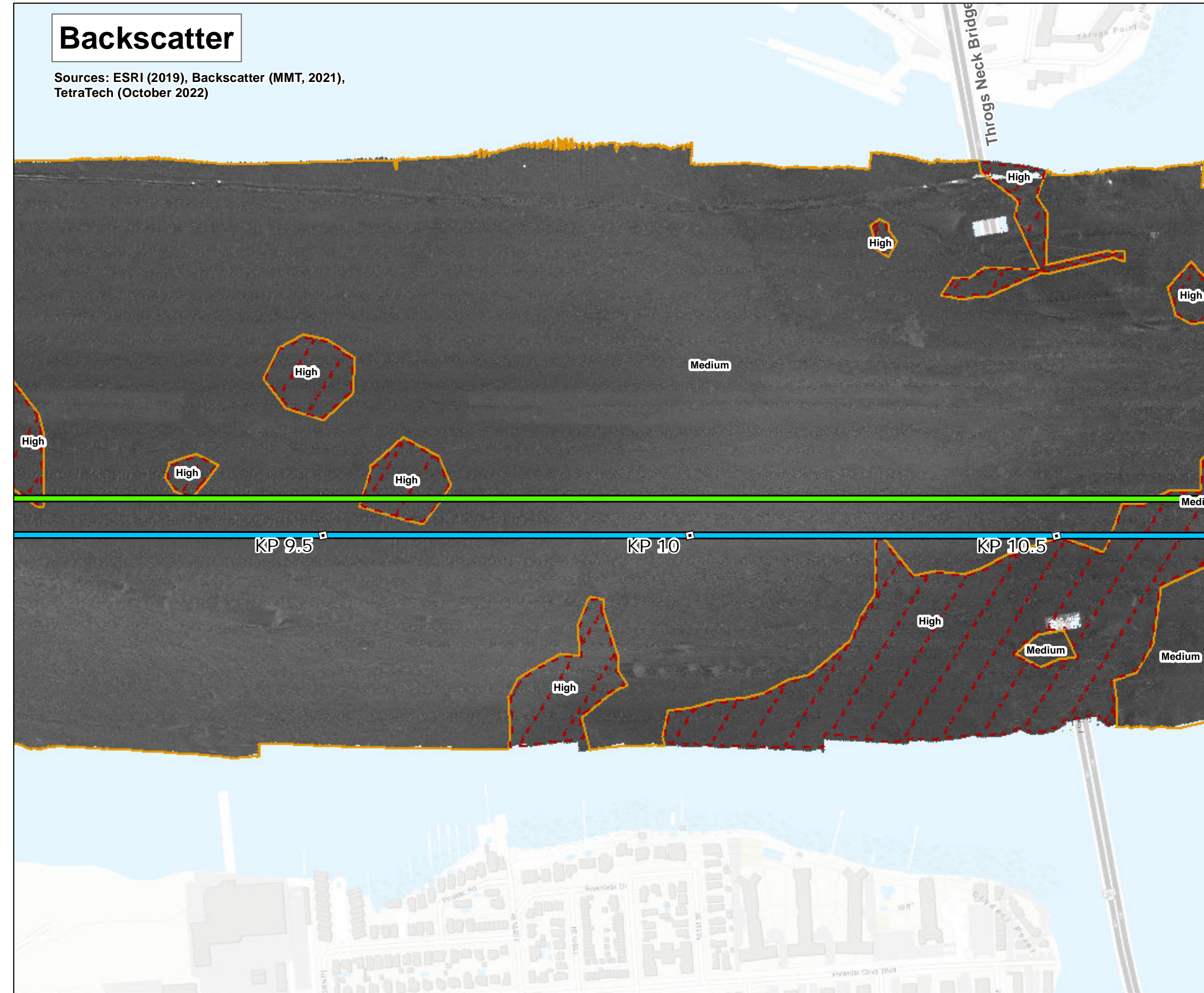
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



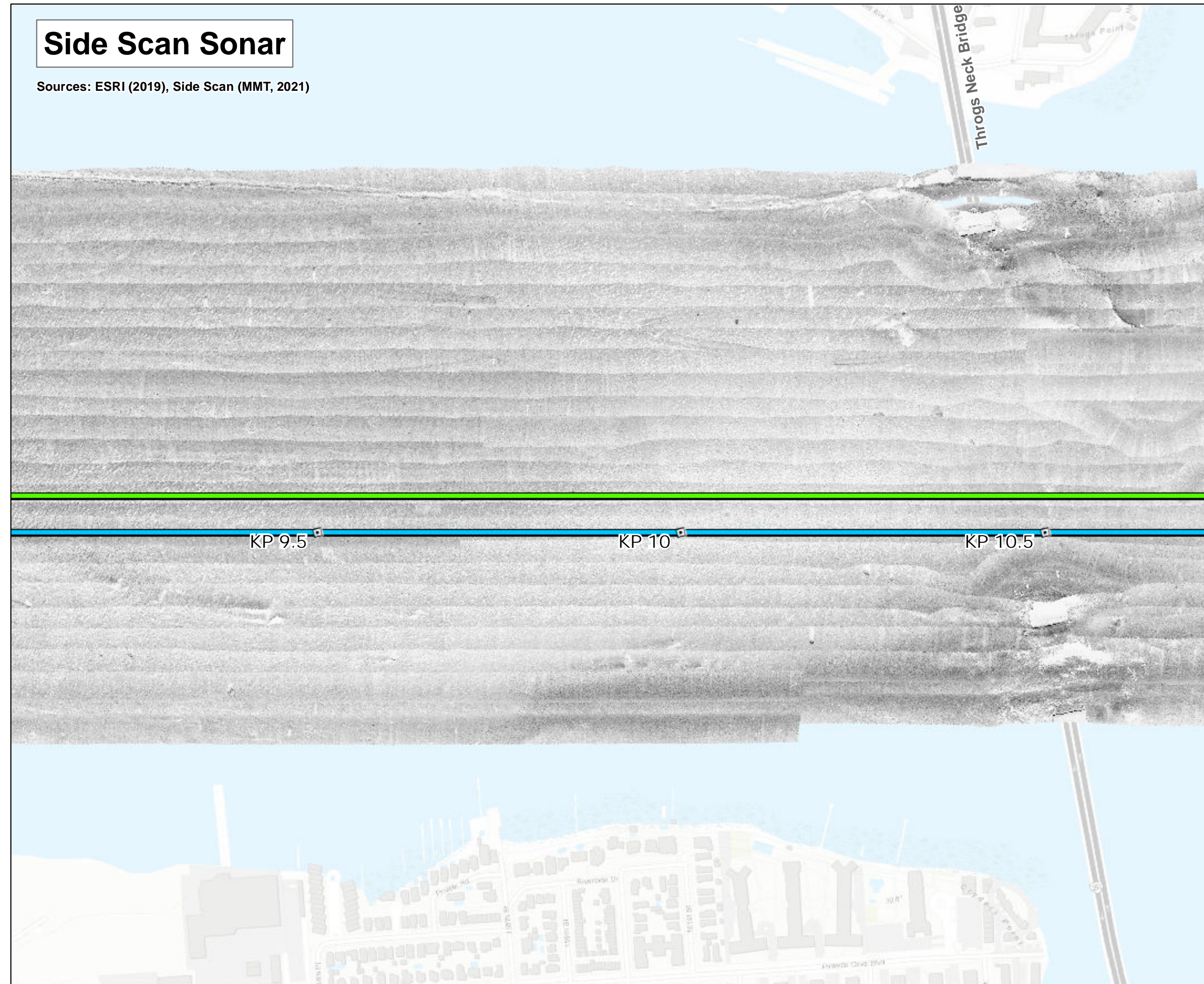
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



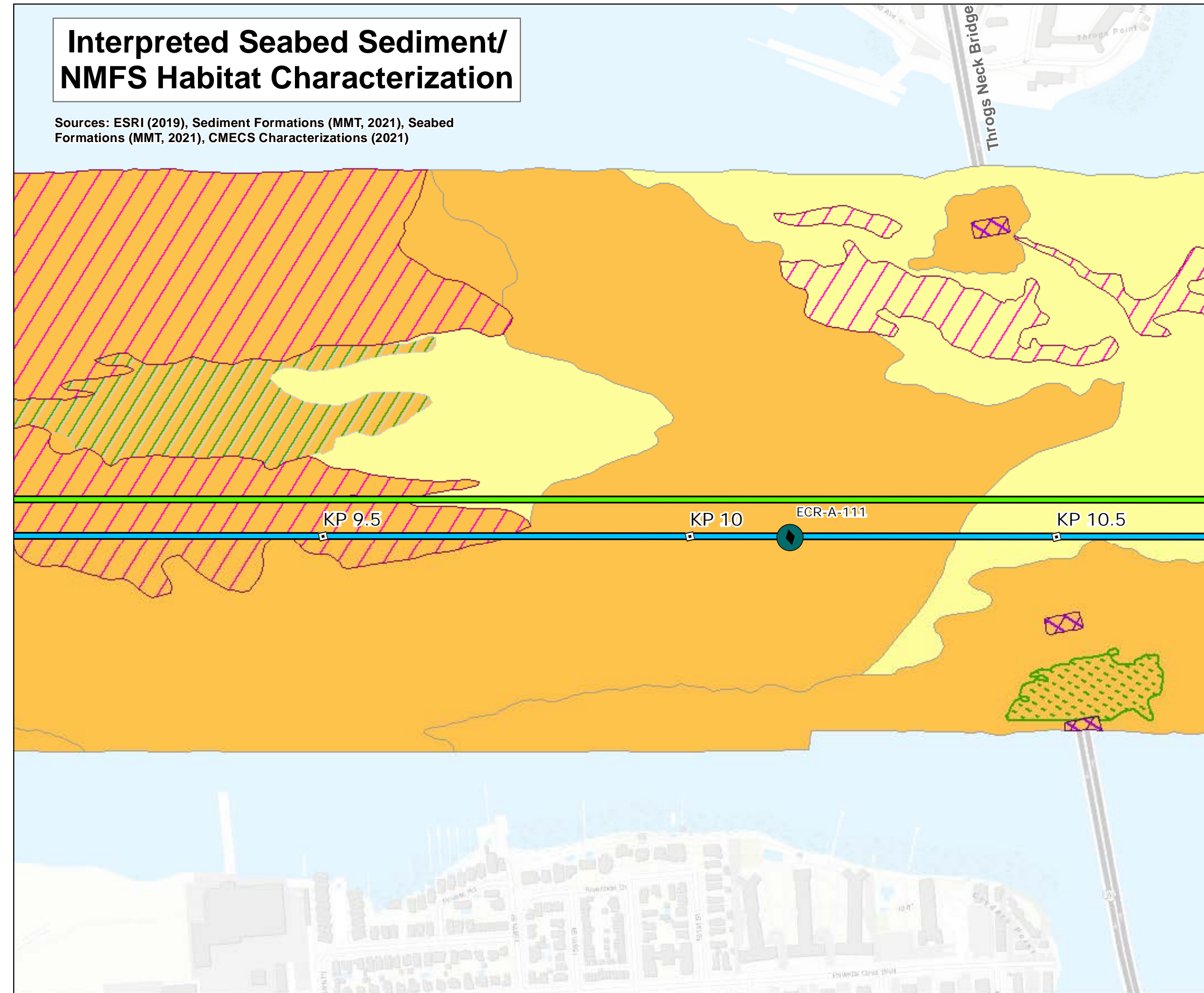
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

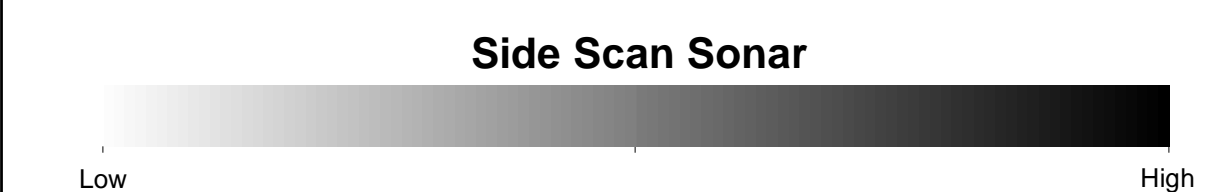
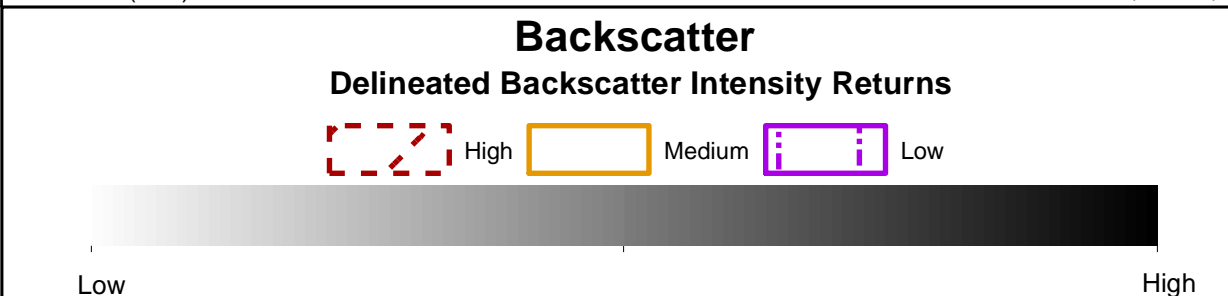
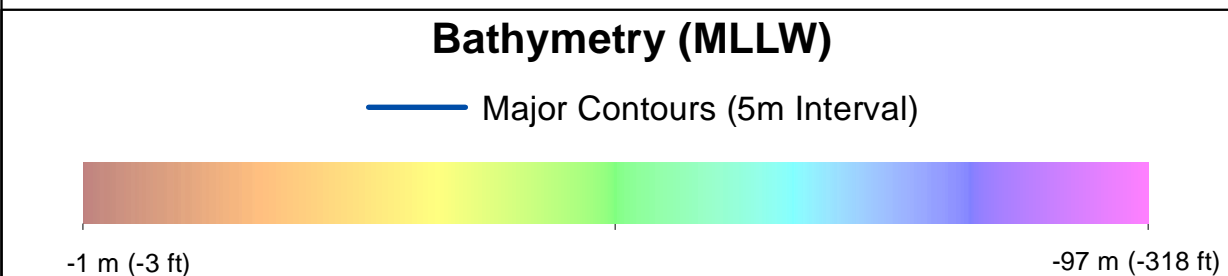
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters

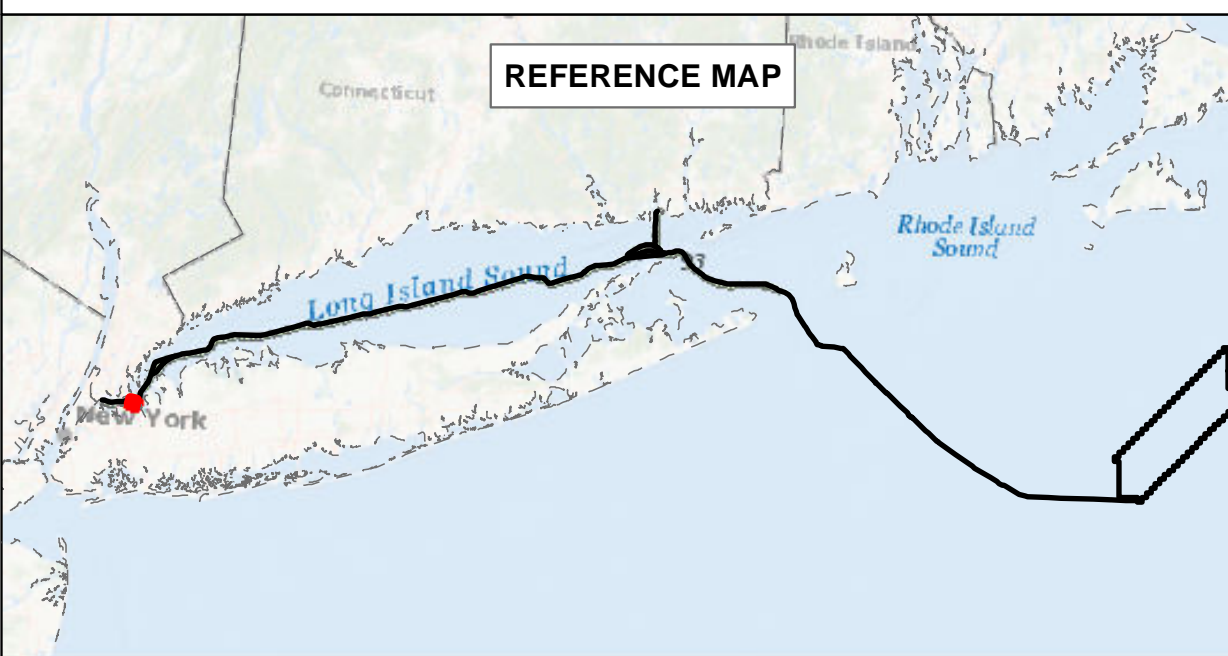


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - ◆ SPI/PV
  - CMECS Substrate**
    - Occasional Boulders/Large Grained Complex Habitat
  - Benthic Features**
    - Sandy Mud
    - Sand Ripples
    - Subsea Structure
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
    - Numerous Boulders/Large Grained Complex Habitat
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



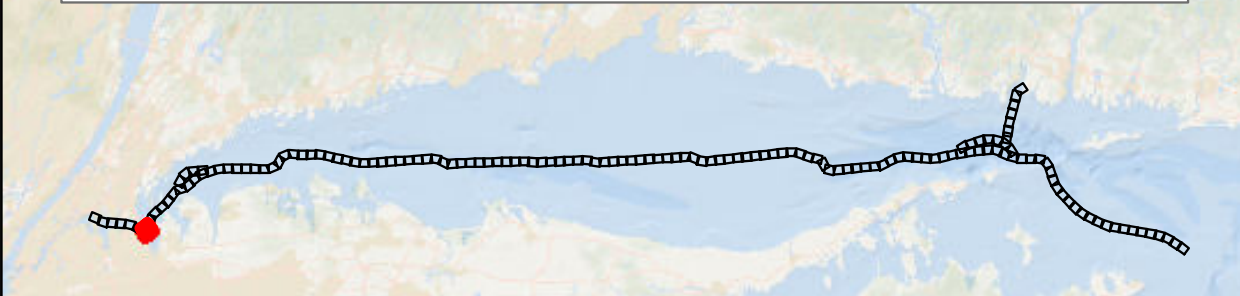
### BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 7

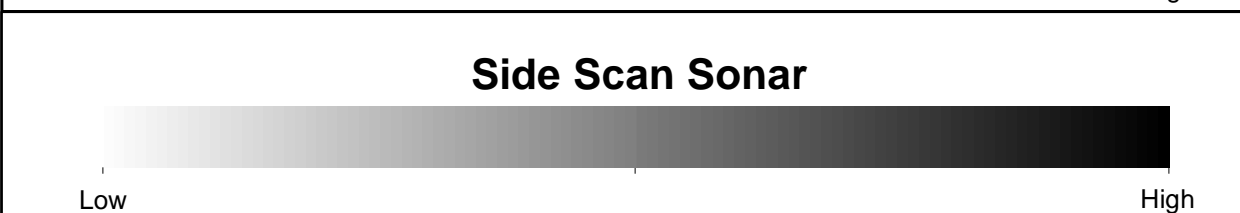
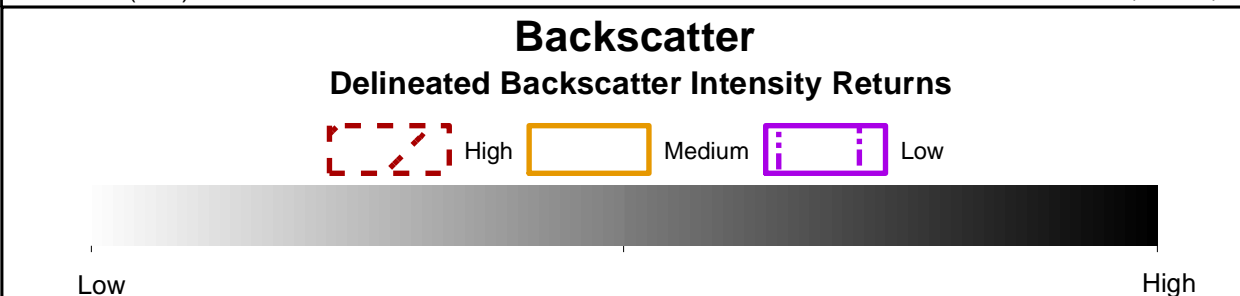
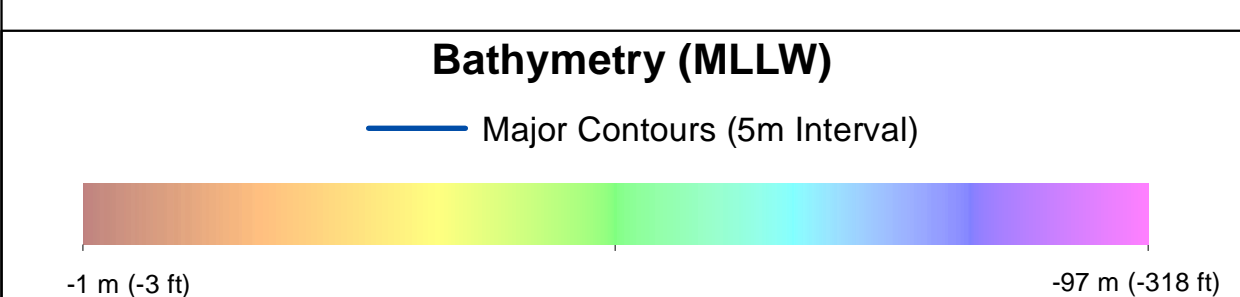
BW1 (NY) - KP 9.5 - KP 10.5  
BW2 (NY) - KP 9.5 - KP 10.5  
BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**



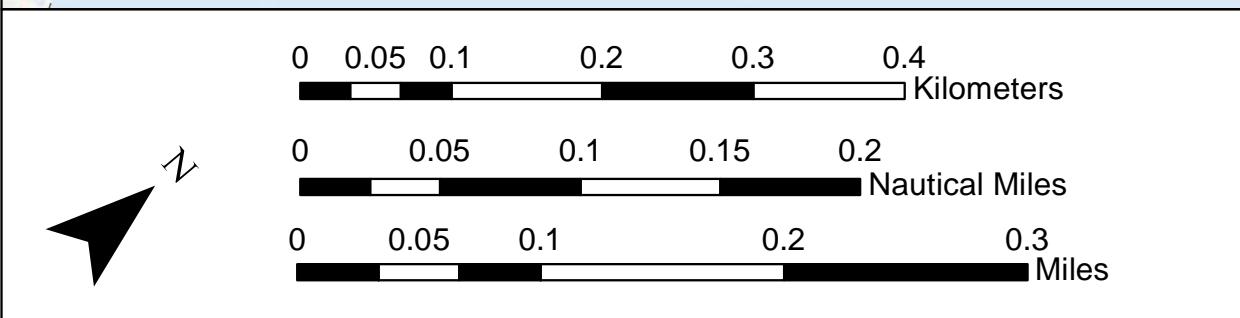
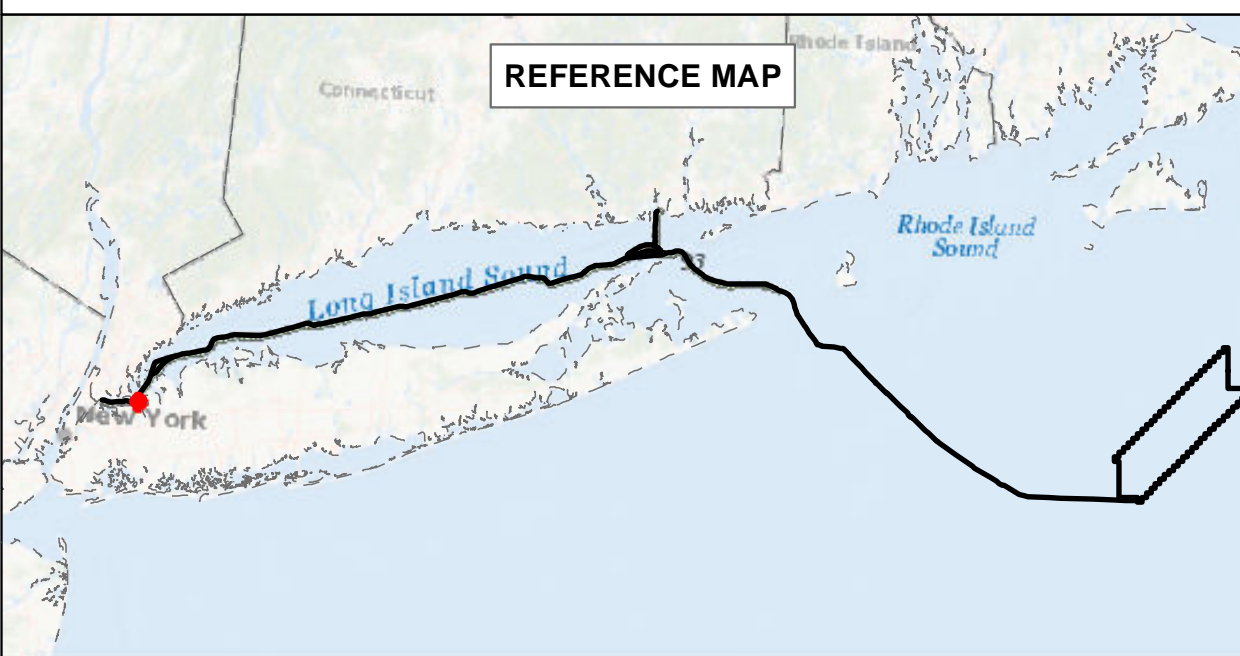
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Mixed Sediment/Complex Habitat                                 |
| <b>CMECS Biotic</b>     | ■ Muddy Sand   |
| ● Soft Sediment Fauna   | ■ Numerous Boulders/Large Grained Complex Habitat                |
| <b>CMECS Substrate</b>  | ■ Occasional Boulders/Large Grained Complex Habitat              |
| ● Muddy Sand            | ■ Heterogeneous Complex Habitat                                  |
| <b>CMECS Geoform</b>    | ■ Burrows/Bioturbation   |
| ● Burrows/Bioturbation  | ■ Sand Ripples   |
| ● Sand Ripples          | ■ Subsea Structure   |
| <b>Benthic Features</b> |  |
| ■ Sand Ripples          |  |
| ■ Subsea Structure      |  |

Note:  
1) Legend only shows items visible in the current map extent.

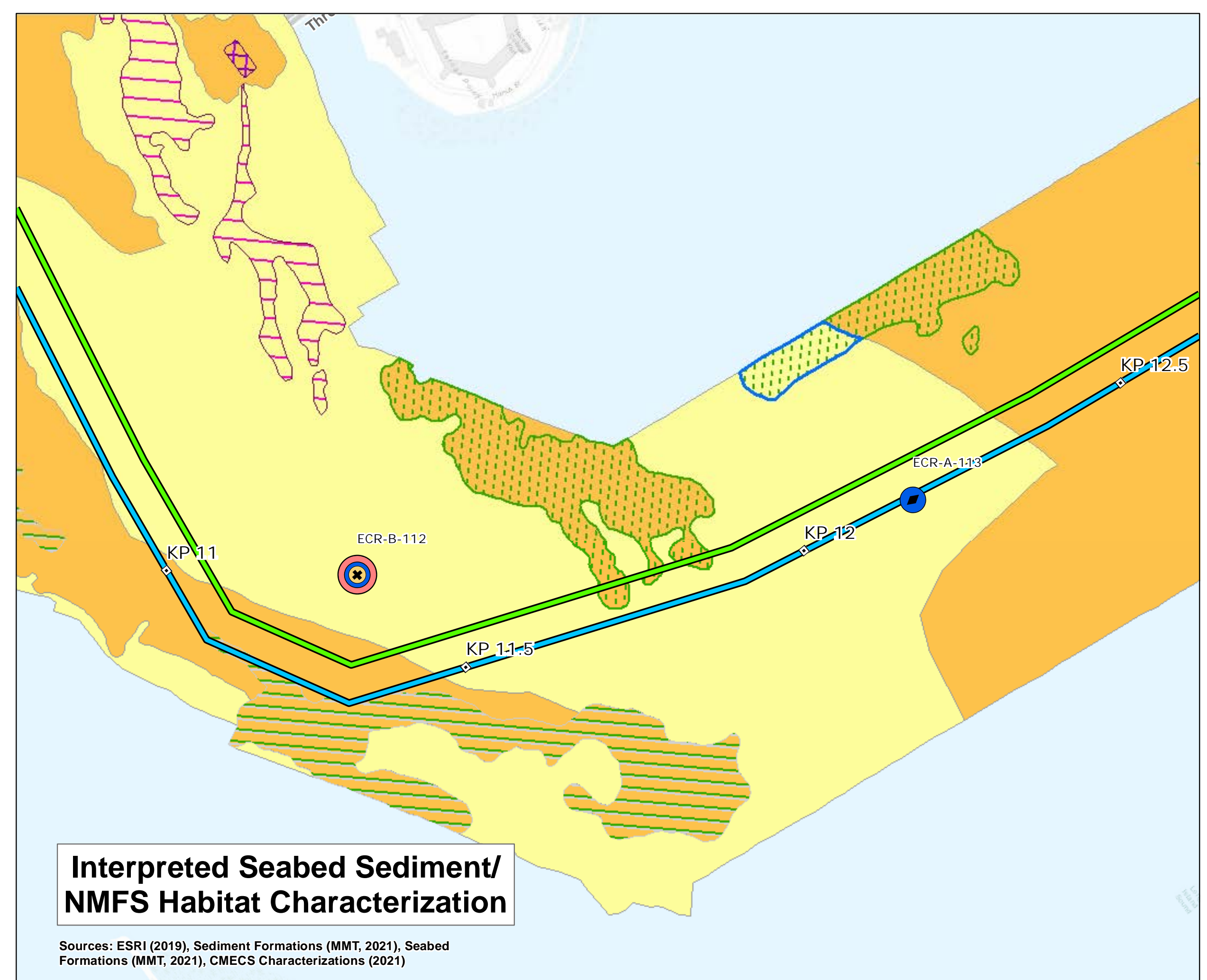
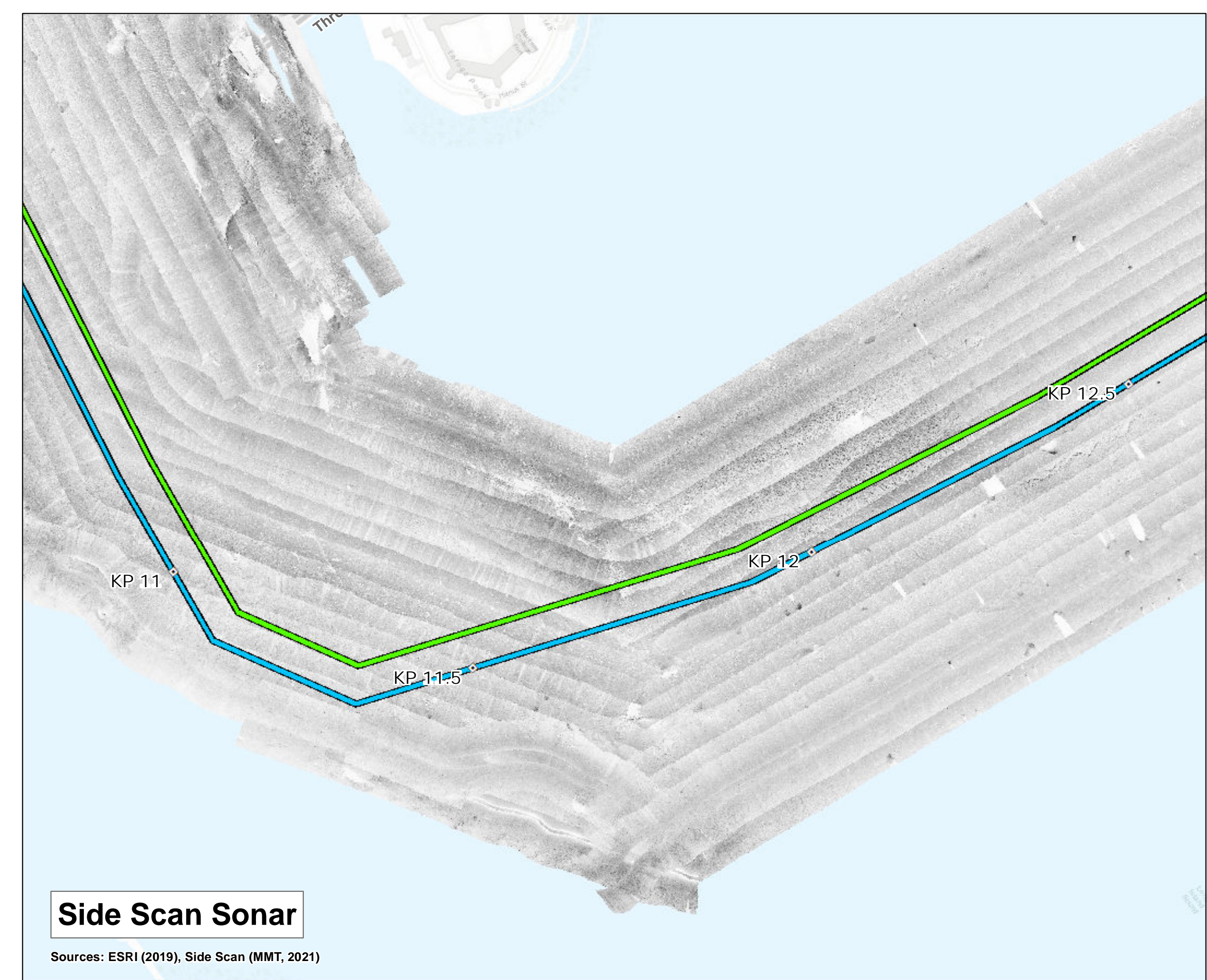
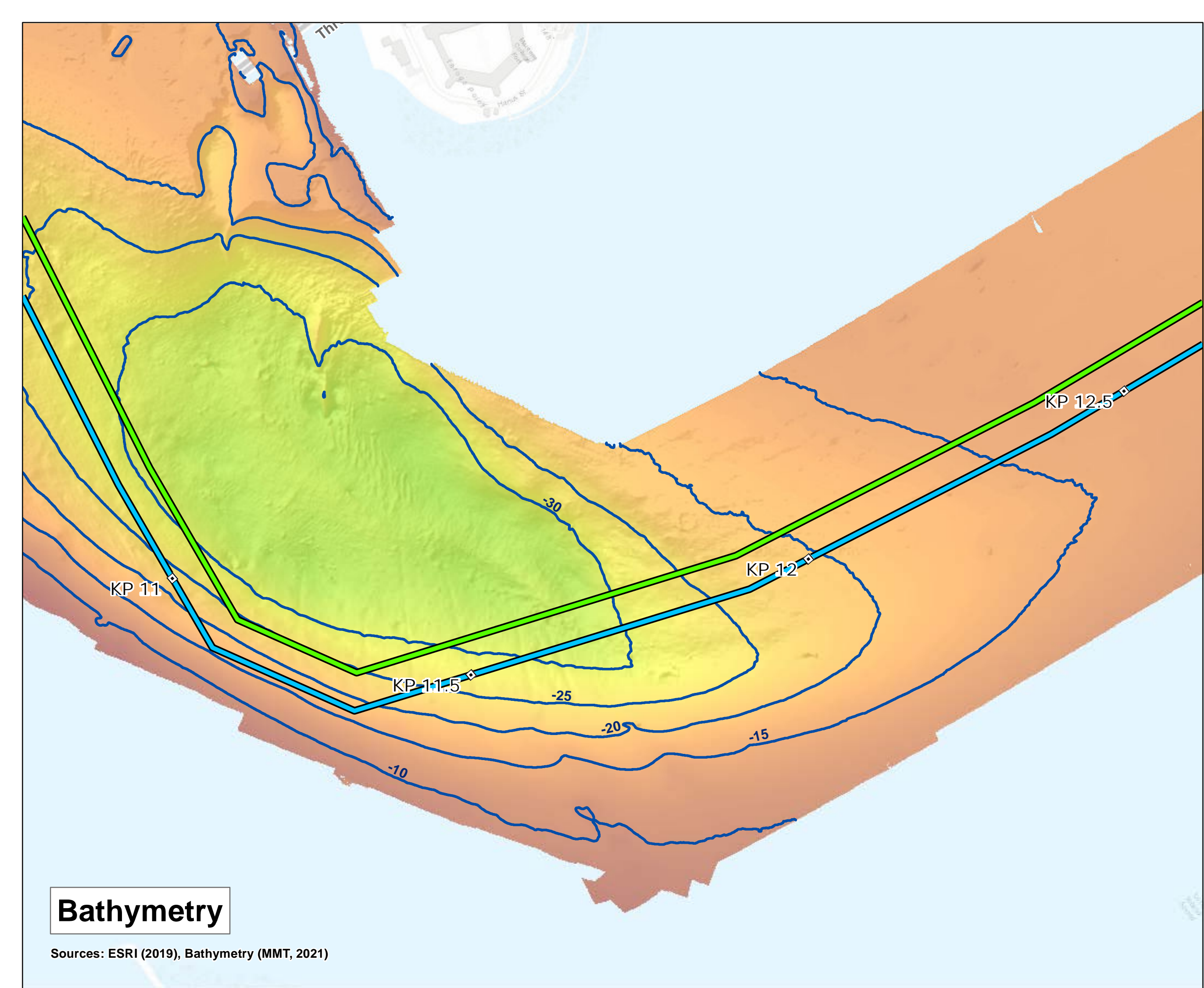
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 8

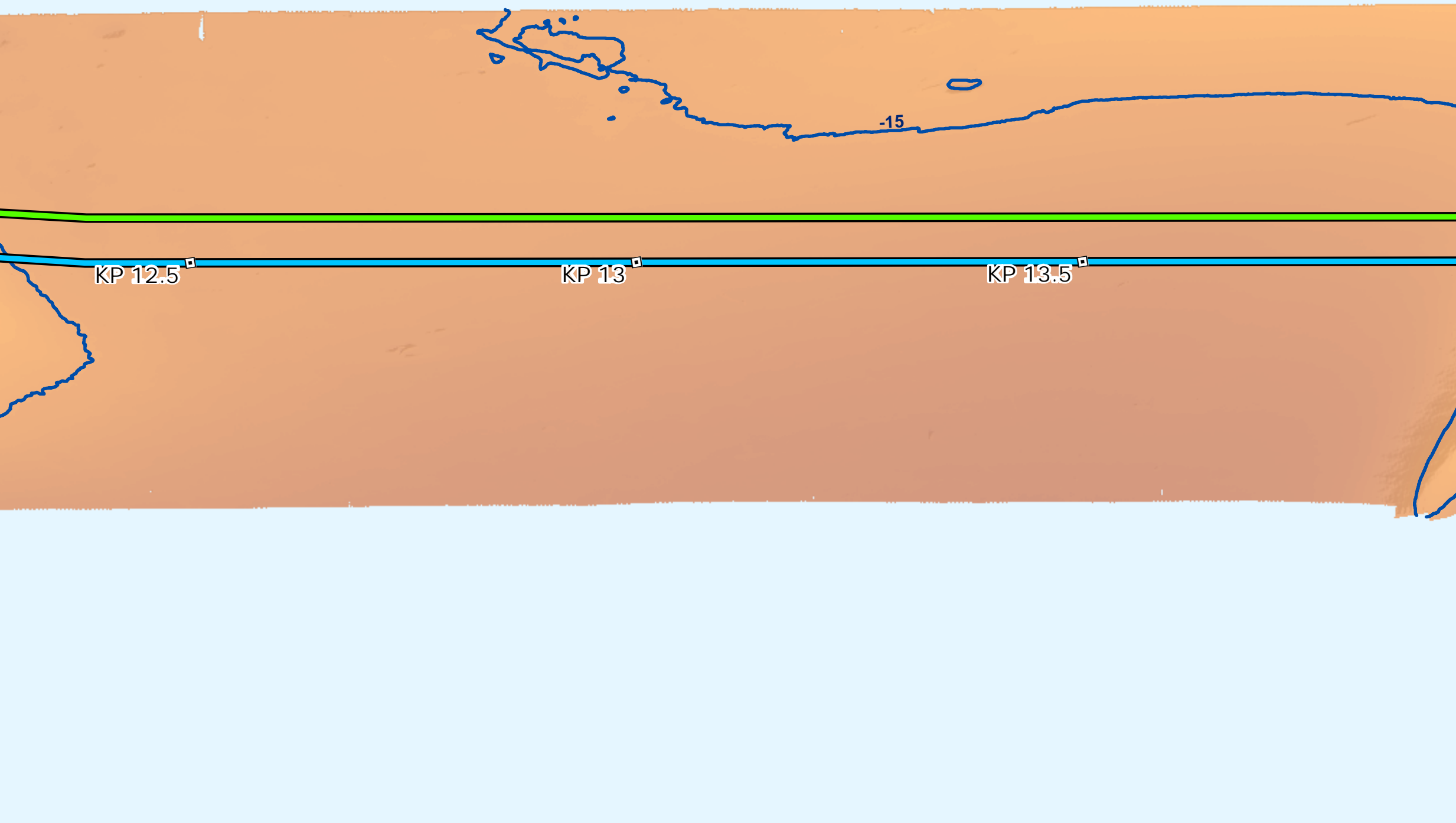
BW1 (NY) - KP 11 - KP 12.5  
BW2 (NY) - KP 11 - KP 12.5  
BW2 (CT) - N/A





# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



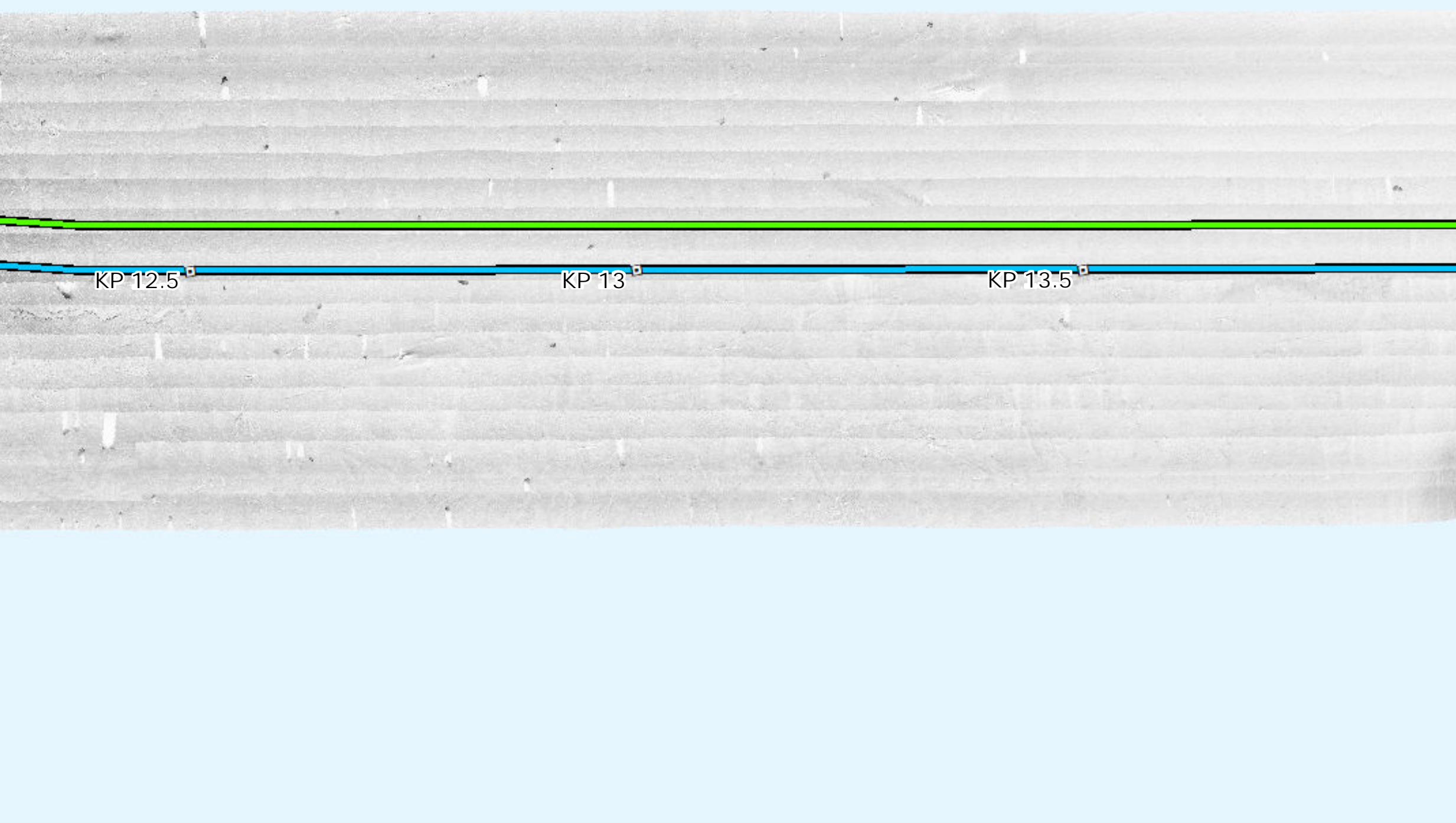
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



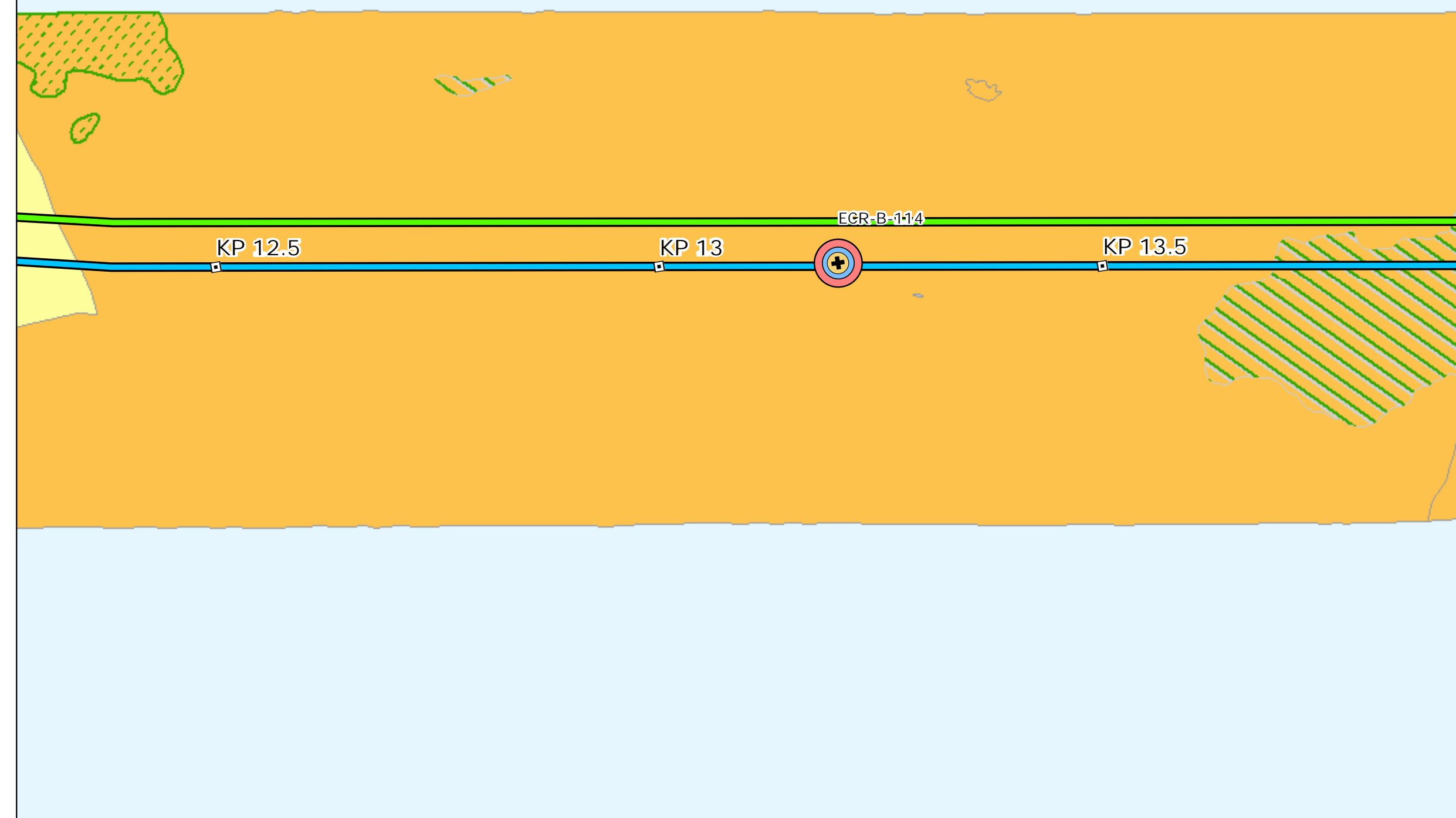
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

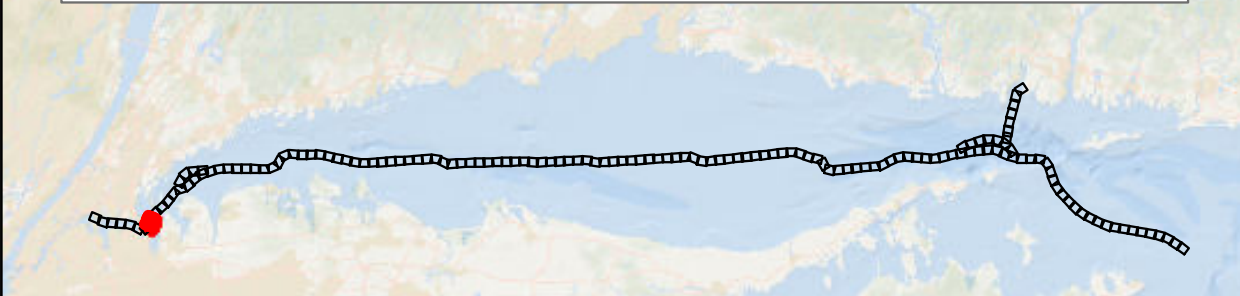


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

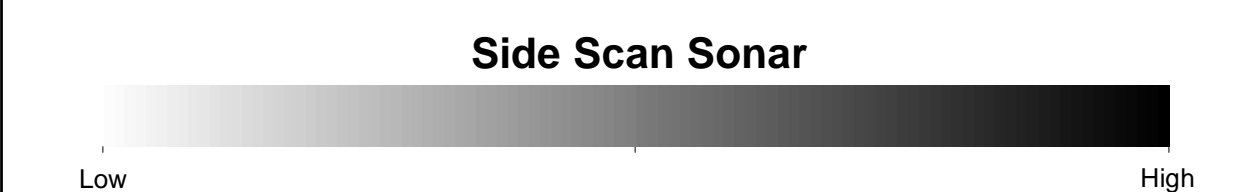
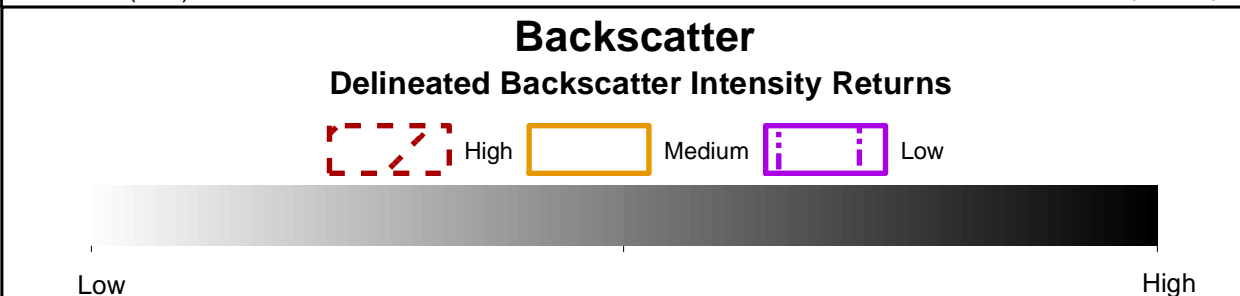
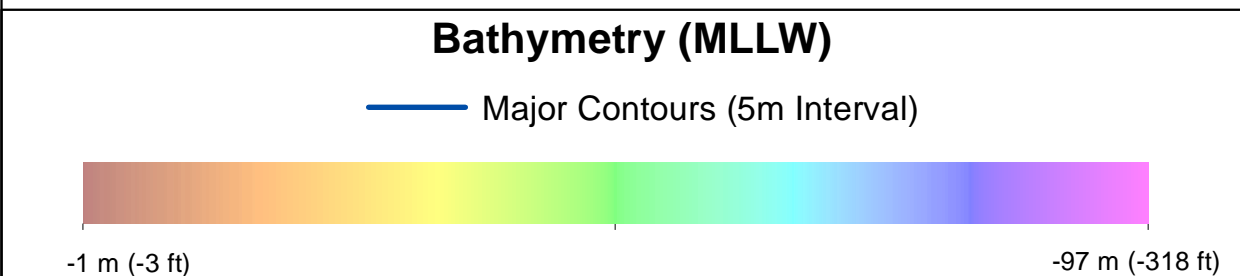
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

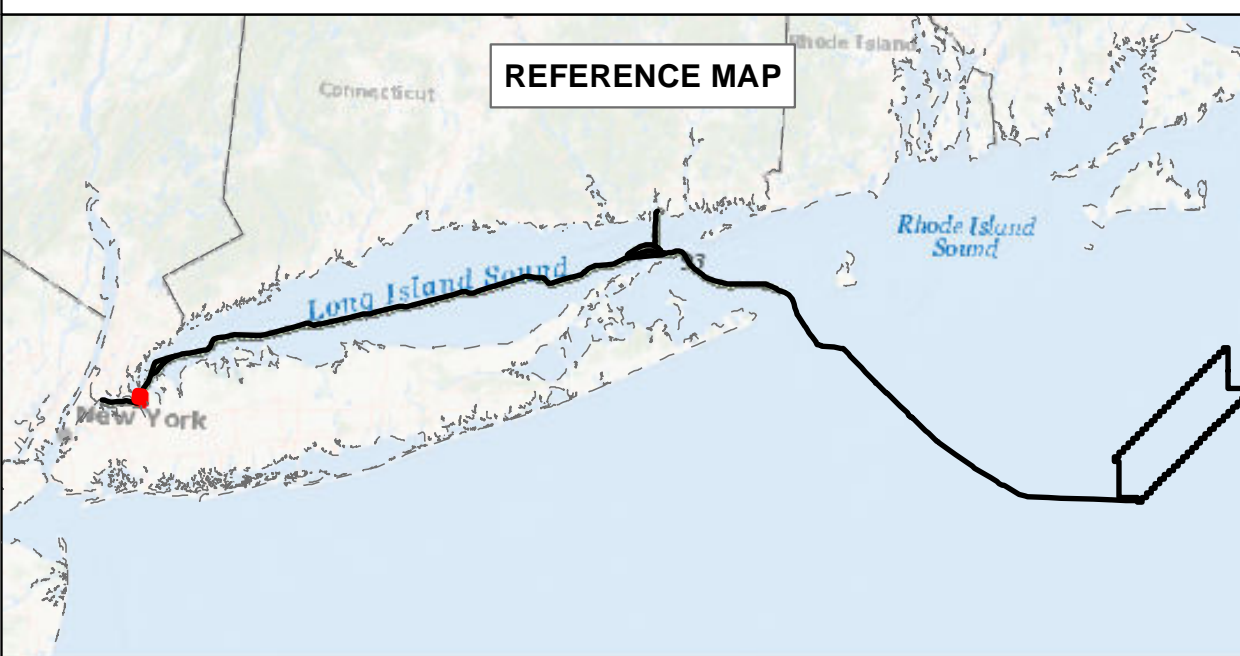


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |   |  |
|------------------------|---|--|
| <b>Station Type</b>    | <span style="border: 1px solid grey; padding: 2px;">+</span> Grab and Video                                 | <span style="background-color: grey; border: 1px solid grey; padding: 2px;">■</span> Till/Complex Habitat                                |
| <b>CMECS Biotic</b>    | <span style="background-color: yellow; border: 1px solid black; padding: 2px;">●</span> Soft Sediment Fauna | <span style="background-color: green; border: 1px solid black; padding: 2px;">■</span> Numerous Boulders/Large Grained Complex Habitat   |
| <b>CMECS Substrate</b> | <span style="background-color: blue; border: 1px solid black; padding: 2px;">●</span> Gravelly Mud          | <span style="background-color: green; border: 1px solid black; padding: 2px;">■</span> Occasional Boulders/Large Grained Complex Habitat |
| <b>CMECS Geofom</b>    | <span style="background-color: red; border: 1px solid black; padding: 2px;">●</span> Burrows/Bioturbation   |  |
- ### Interpreted Seabed Sediment/NMFS Habitat Characterization
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
  - Boulders/Large Grained Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

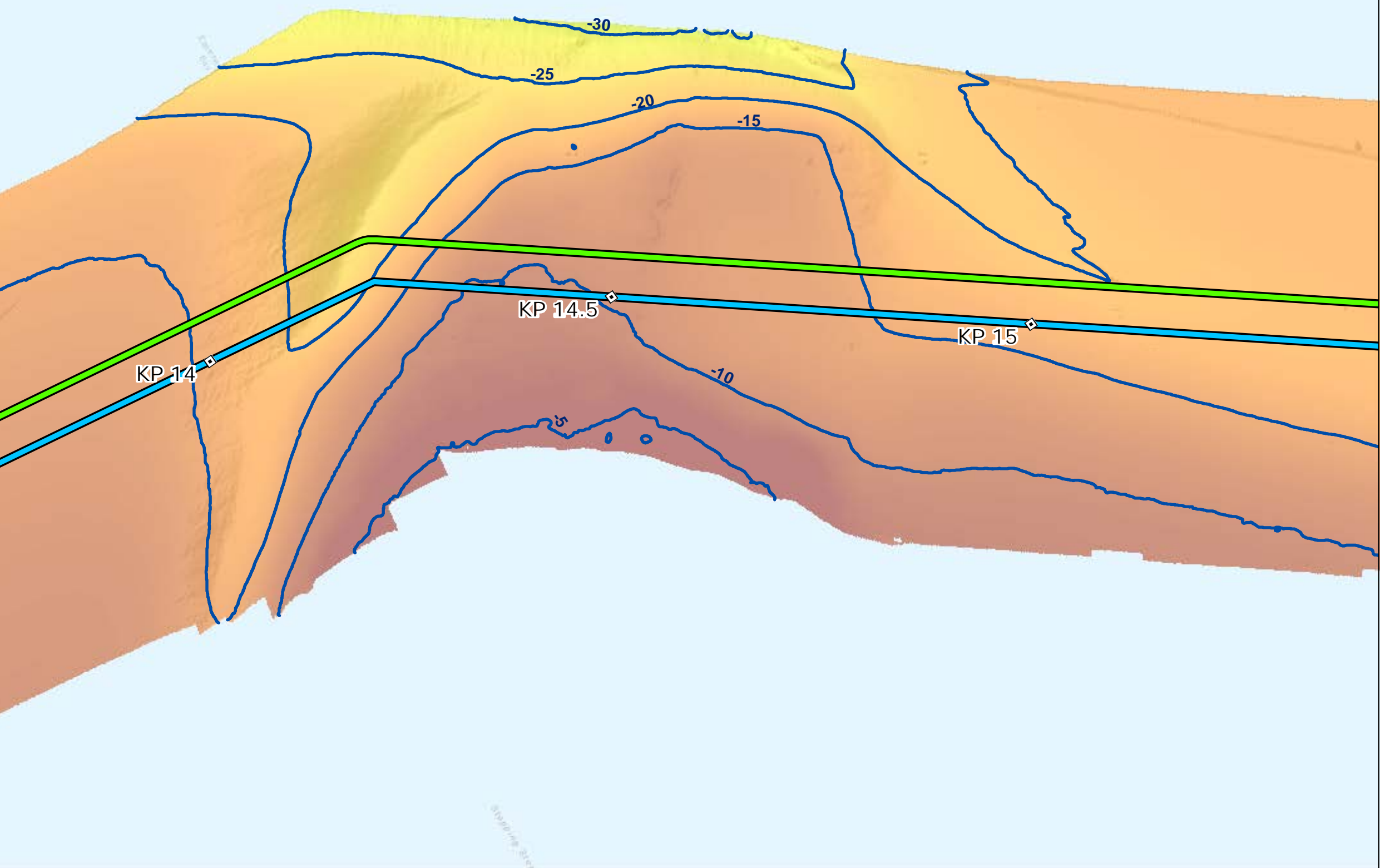
#### Tile 9

BW1 (NY) - KP 12.5 - KP 13.5  
BW2 (NY) - KP 12.5 - KP 13.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



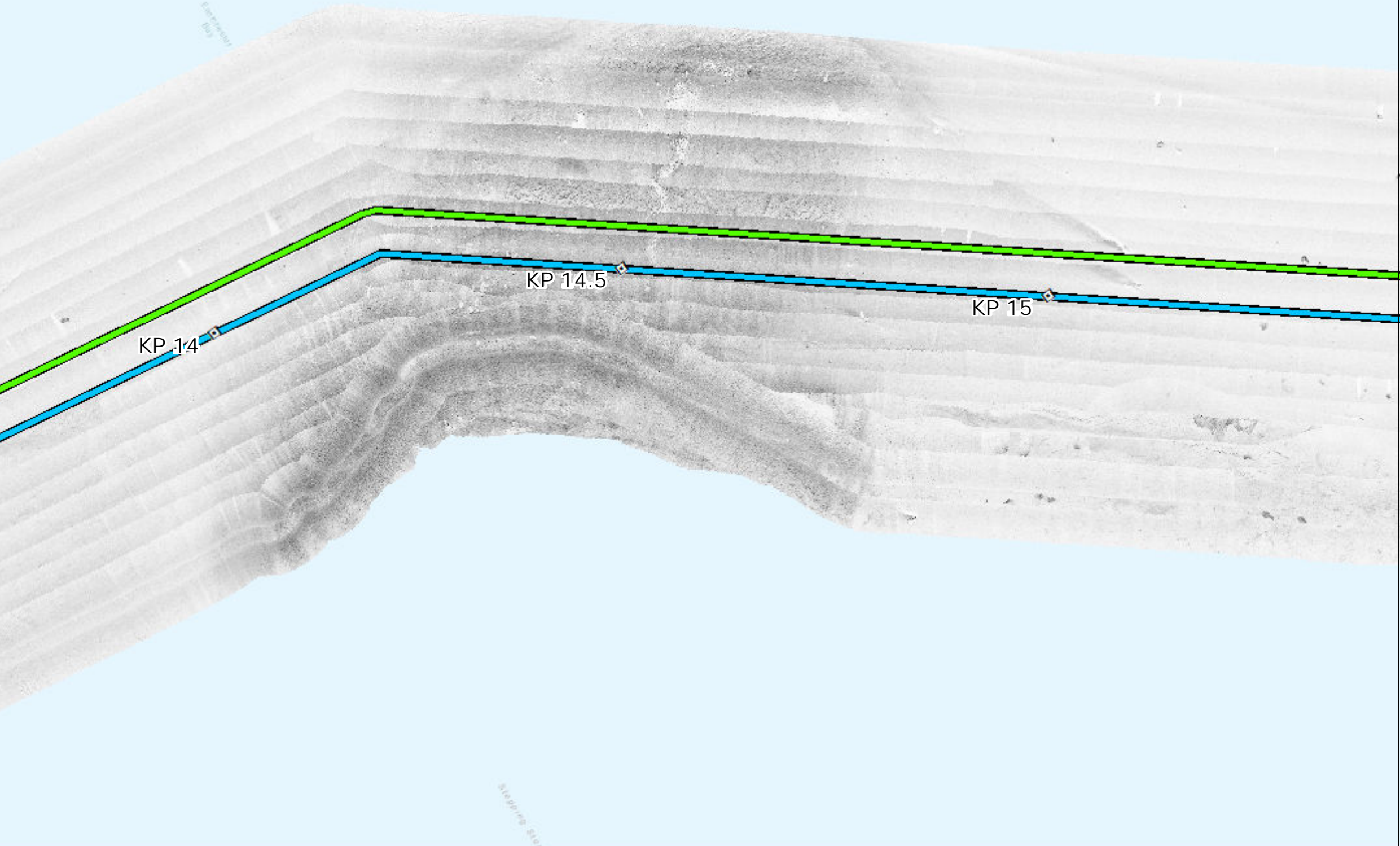
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



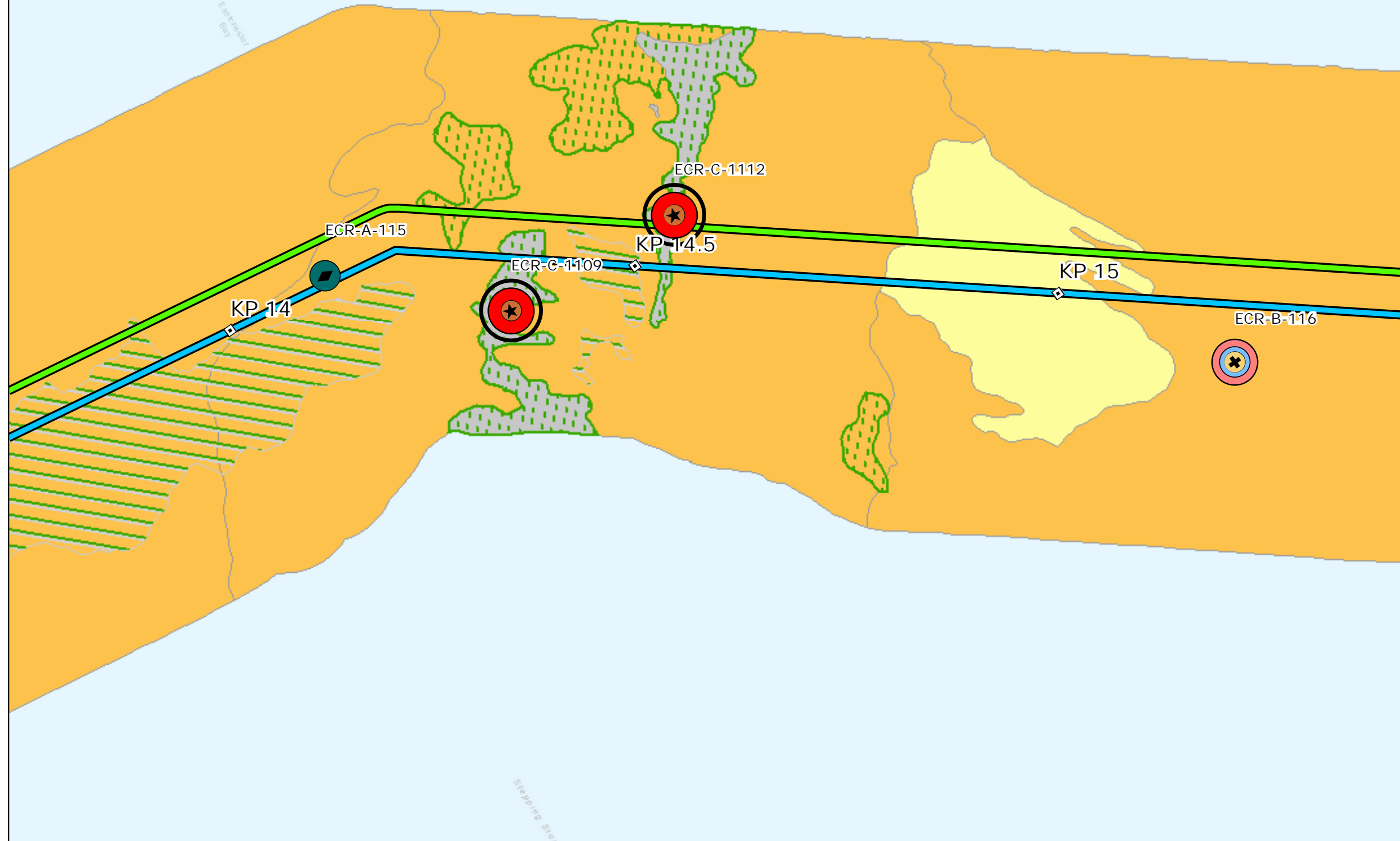
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

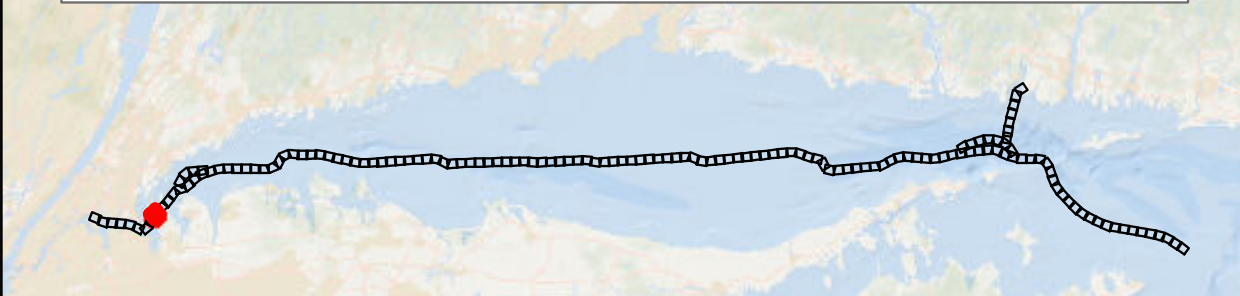


# Interpreted Seabed Sediment/NMFS Habitat Characterization

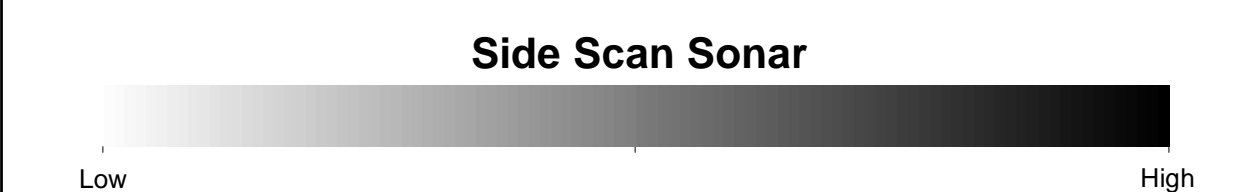
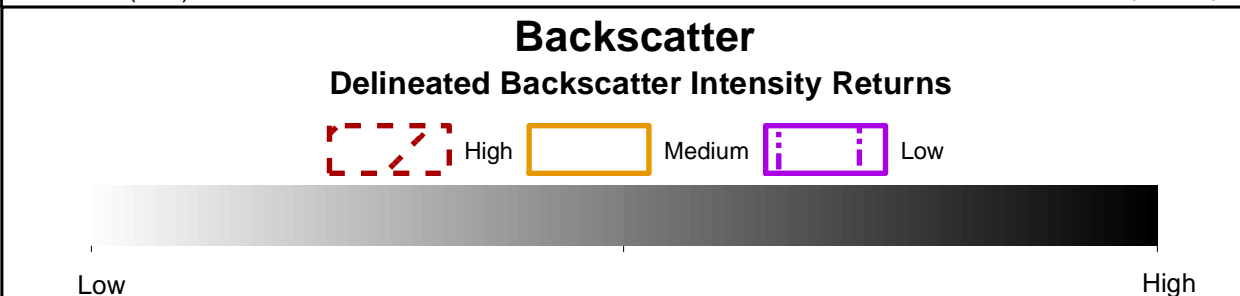
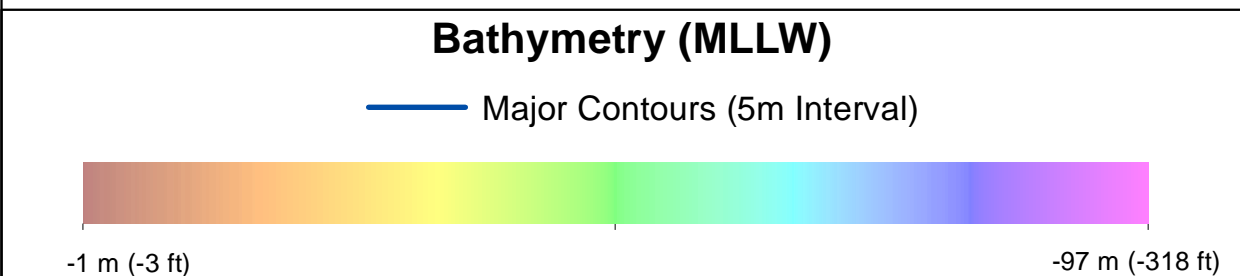
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

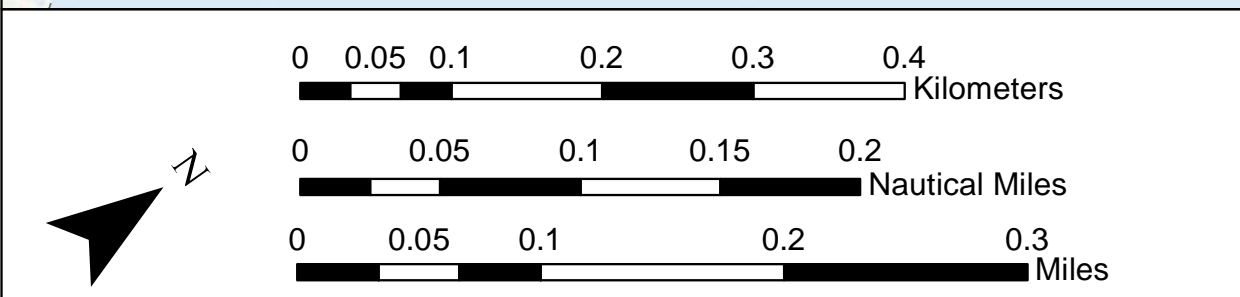
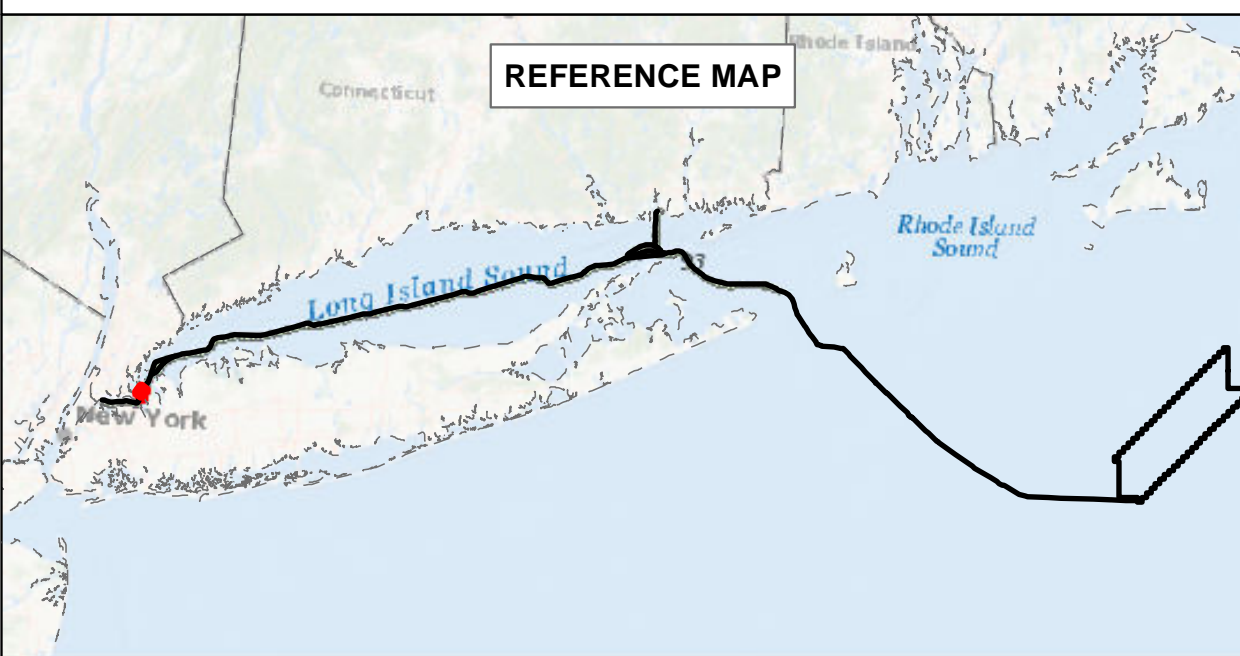


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |   |                      |   |   |
|------------------------|---|----------------------|---|---|
| <b>Station Type</b>    | + | Grab and Video       | ○ | Northern Star Coral                               |
|                        | ◆ | SPI/PV               |   |   |
|                        | ★ | Video                |   |   |
| <b>CMECS Biotic</b>    | ● | Large Macrofauna     |   |   |
|                        | ● | Soft Sediment Fauna  |   |   |
| <b>CMECS Substrate</b> | ● | Gravelly Mud         |   |   |
|                        | ● | Sandy Mud            |   |   |
| <b>CMECS Geofom</b>    | ● | Boulder Field        |   |   |
|                        | ● | Burrows/Bioturbation |   |   |
|                        |   |                      | ■ | Numerous Till/Complex Habitat                     |
|                        |   |                      | ■ | Boulders/Large Grained Complex Habitat            |
|                        |   |                      | ■ | Occasional Boulders/Large Grained Complex Habitat |
|                        |   |                      | ■ | Mud and Sandy Mud/Soft Bottom Habitat             |
|                        |   |                      | ■ | Mixed Sediment/Complex Habitat                    |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

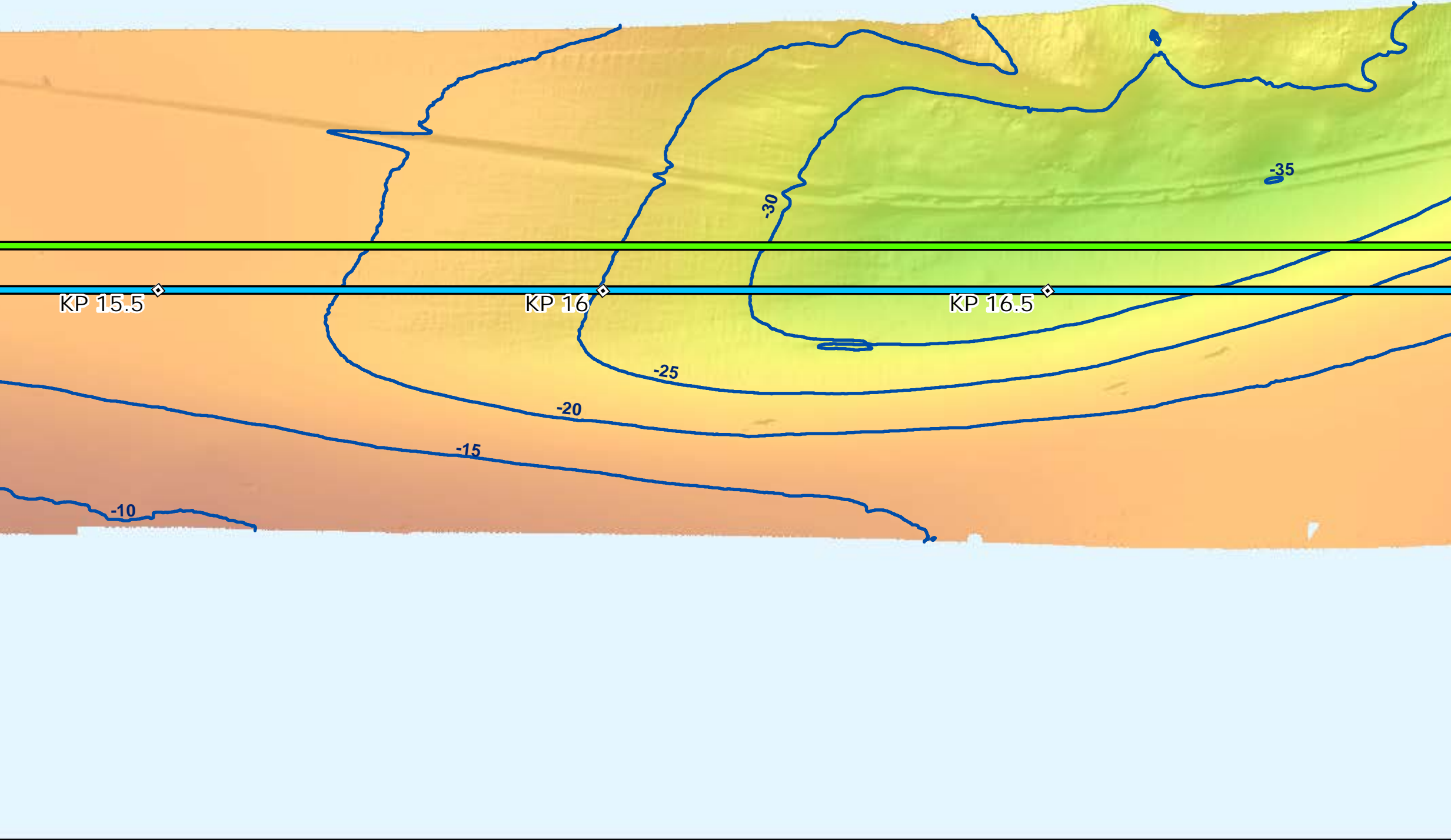
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 10

BW1 (NY) - KP 14 - KP 15  
BW2 (NY) - KP 14 - KP 15  
BW2 (CT) - N/A



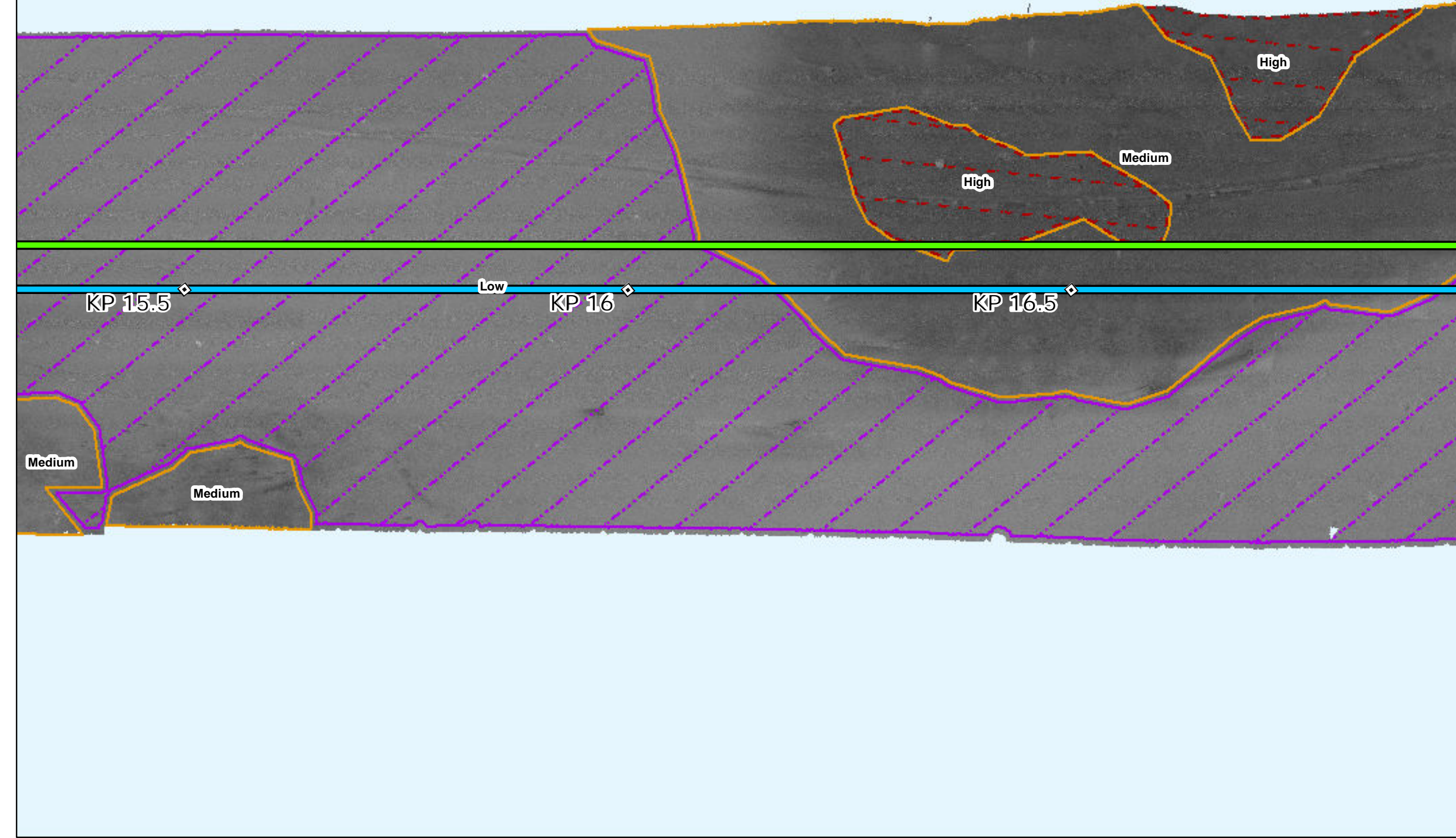
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



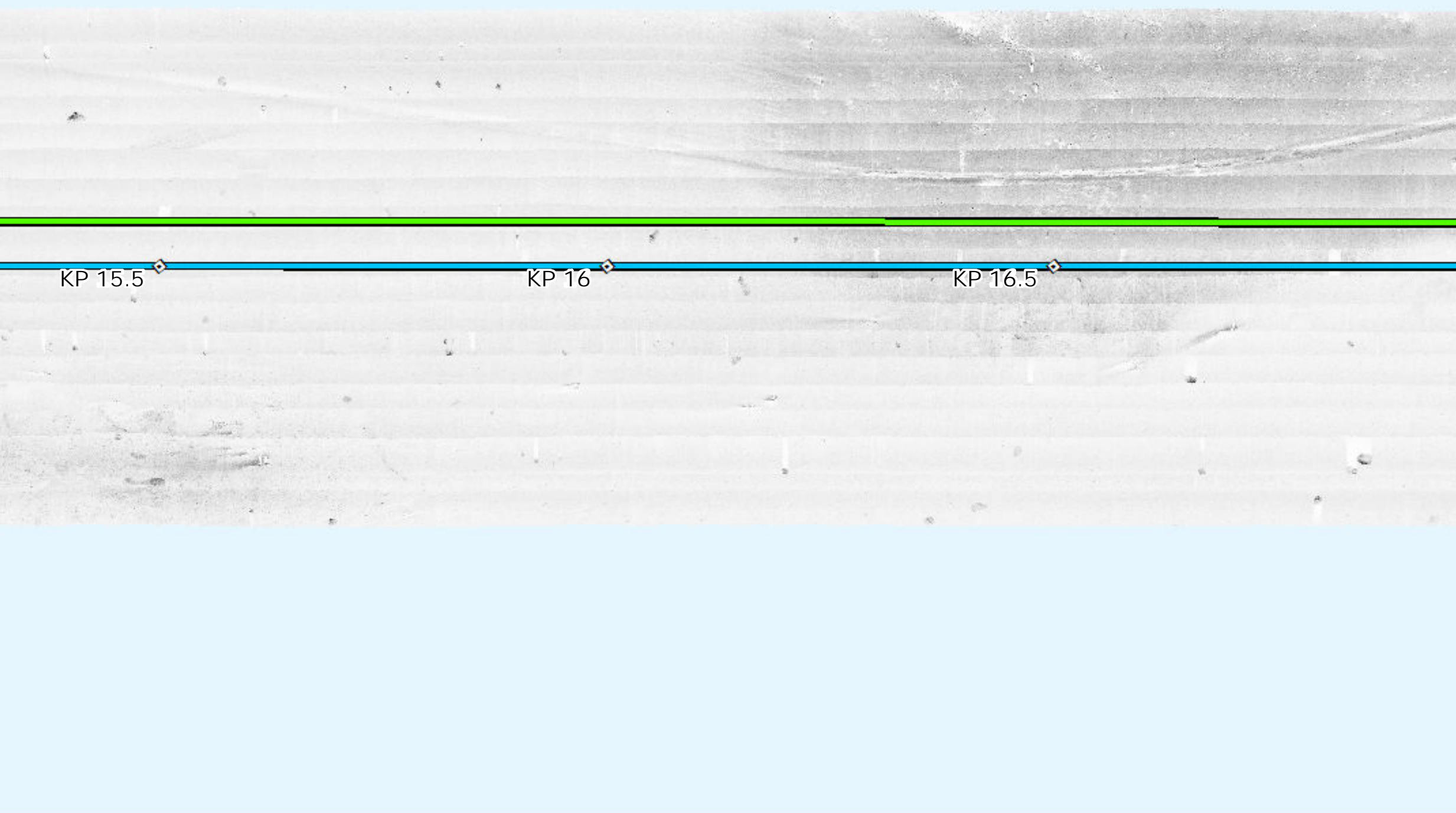
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



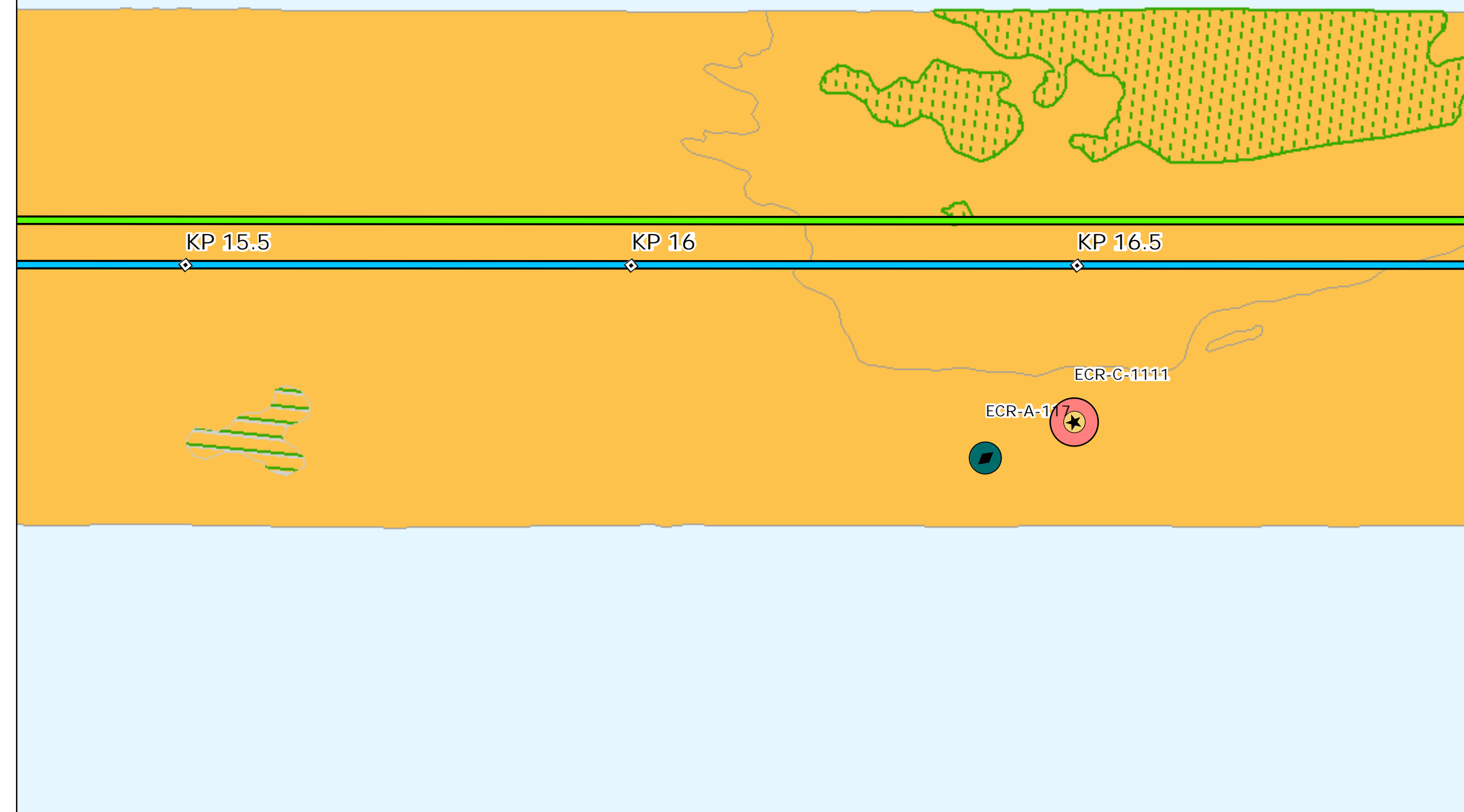
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

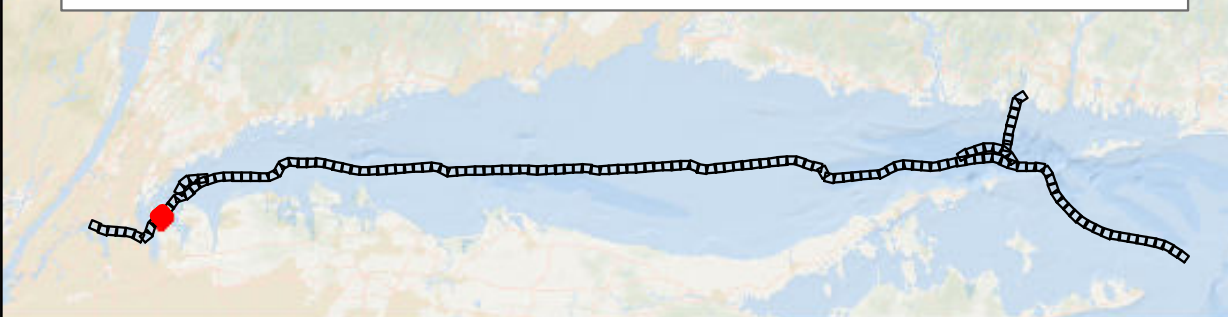


### Interpreted Seabed Sediment/NMFS Habitat Characterization

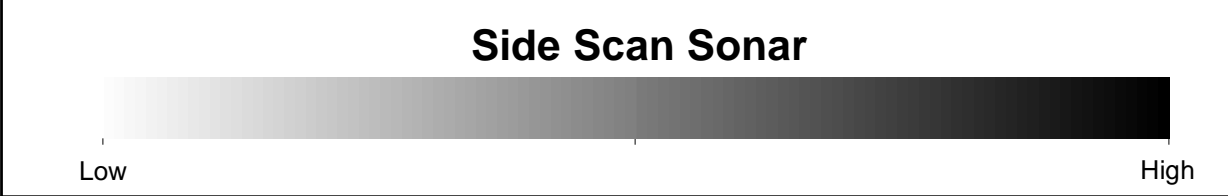
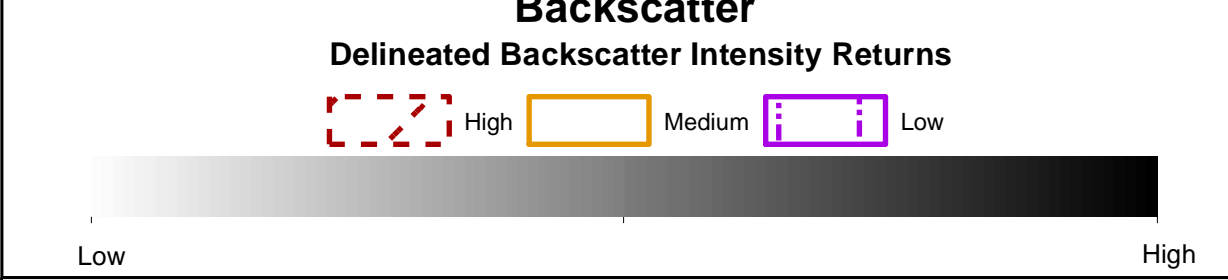
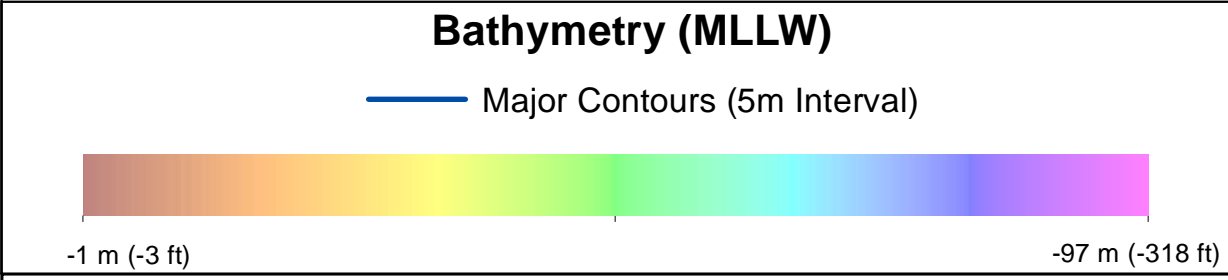
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



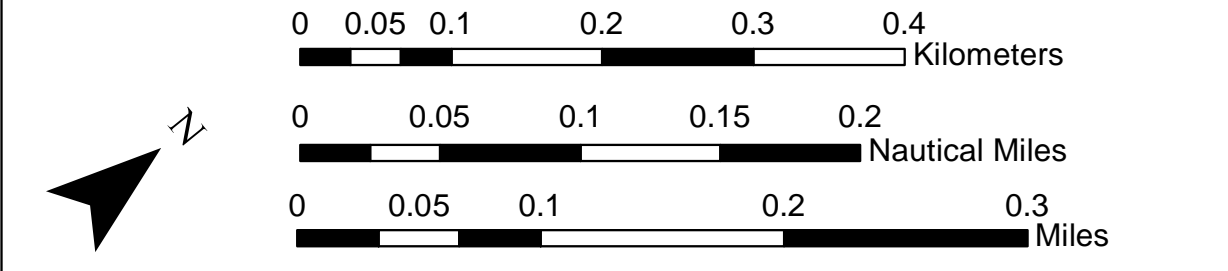
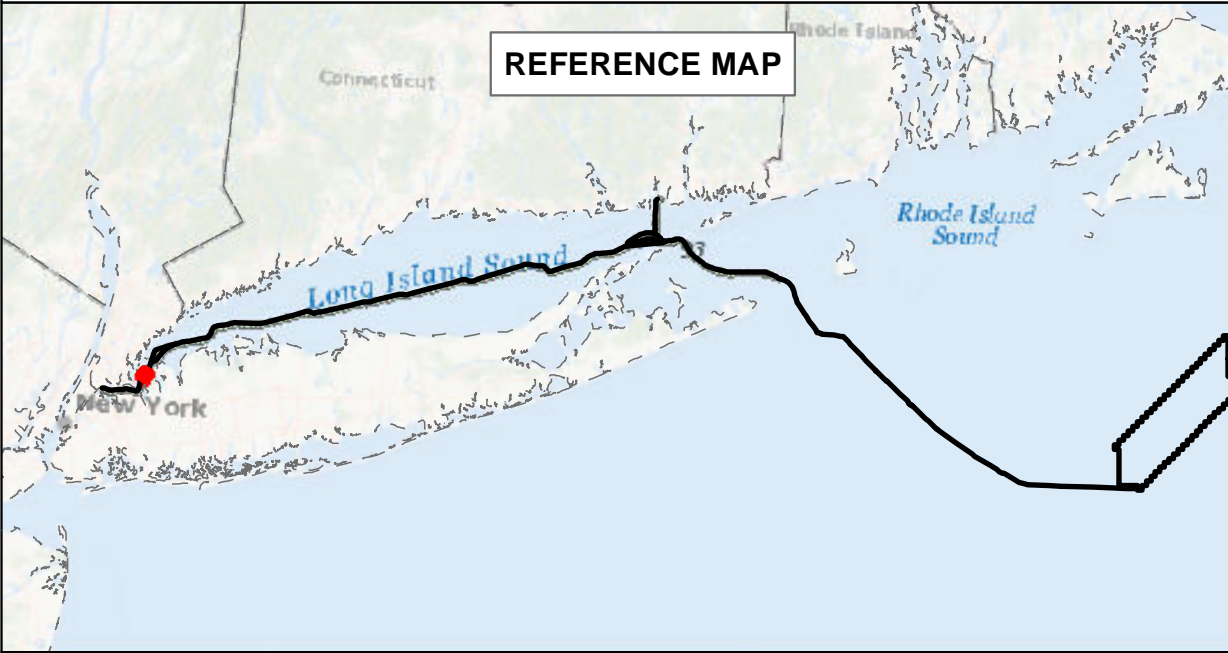
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |  |   |
|--|---|
| <b>Station Type</b>  | Numerous  |
| ◆ SPI/PV   | Boulders/Large Grained Complex Habitat            |
| ★ Video  | Occasional Boulders/Large Grained Complex Habitat |
| <b>CMECS Biotic</b>  | Soft Sediment Fauna                               |
| <b>CMECS Substrate</b>   | Sandy Mud   |
| <b>CMECS Geoform</b>   | Burrows/Bioturbation                              |
| <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> | Mixed Sediment/Complex Habitat                    |

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

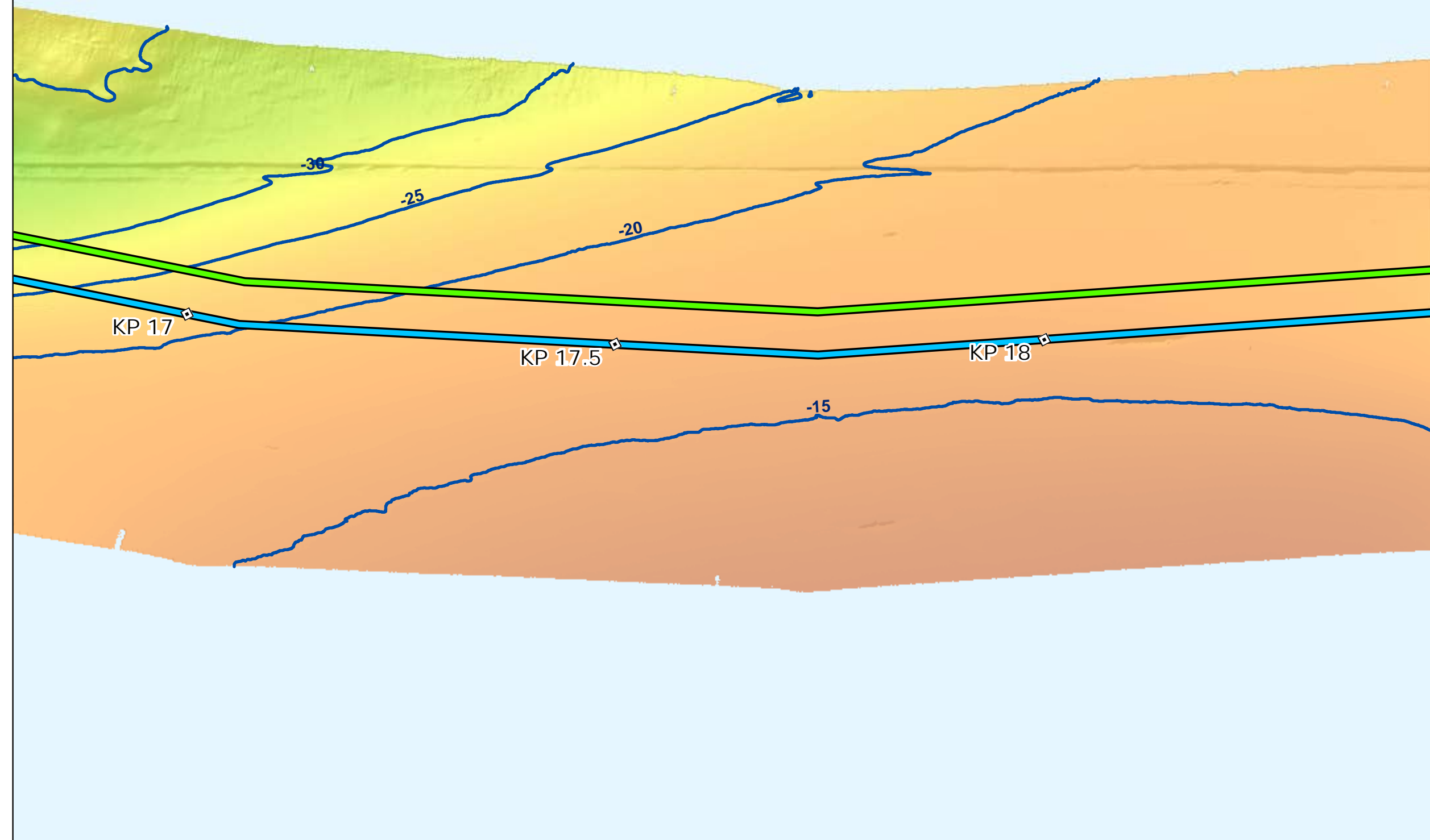
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 11

BW1 (NY) - KP 15.5 - KP 16.5  
BW2 (NY) - KP 15.5 - KP 16.5  
BW2 (CT) - N/A



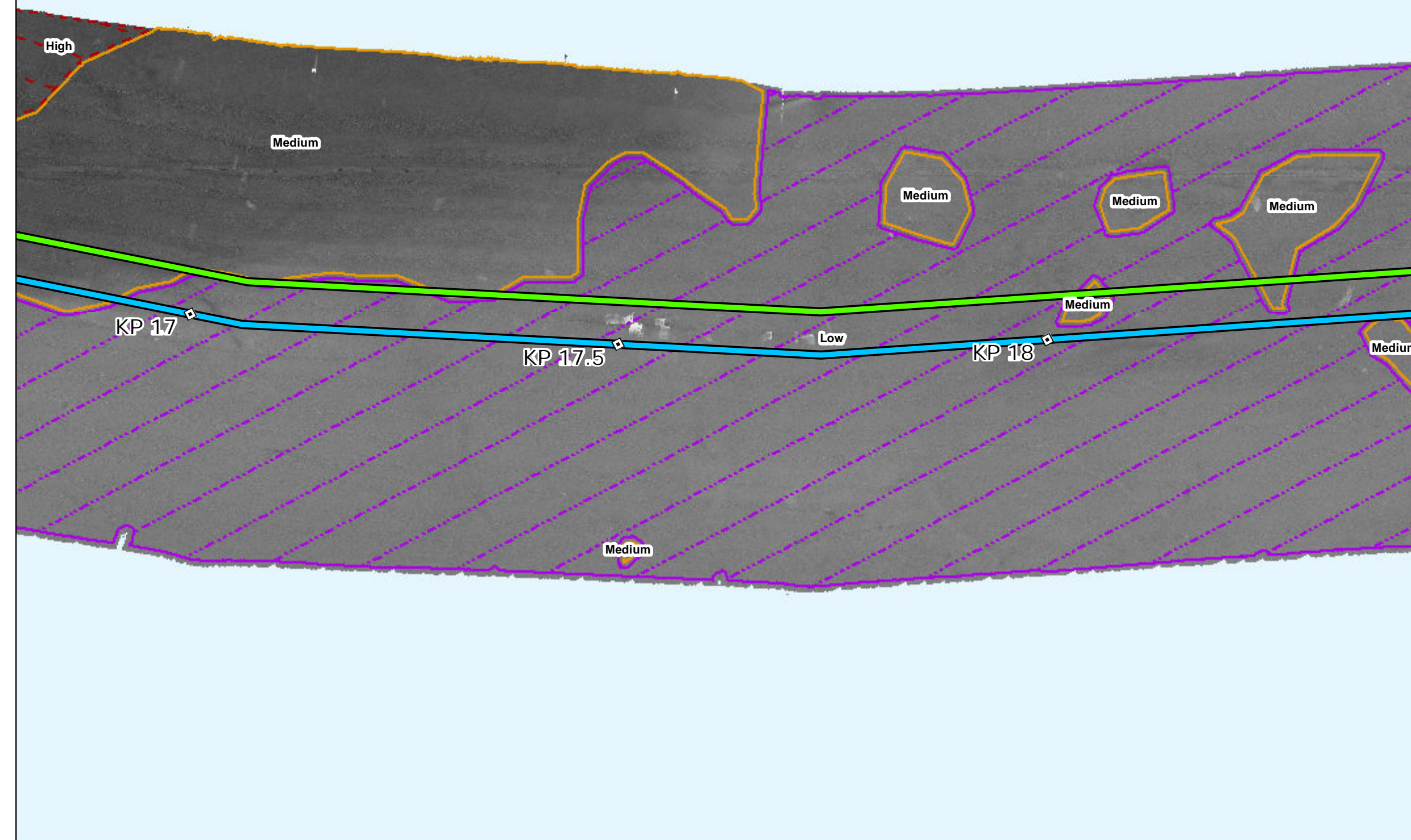
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



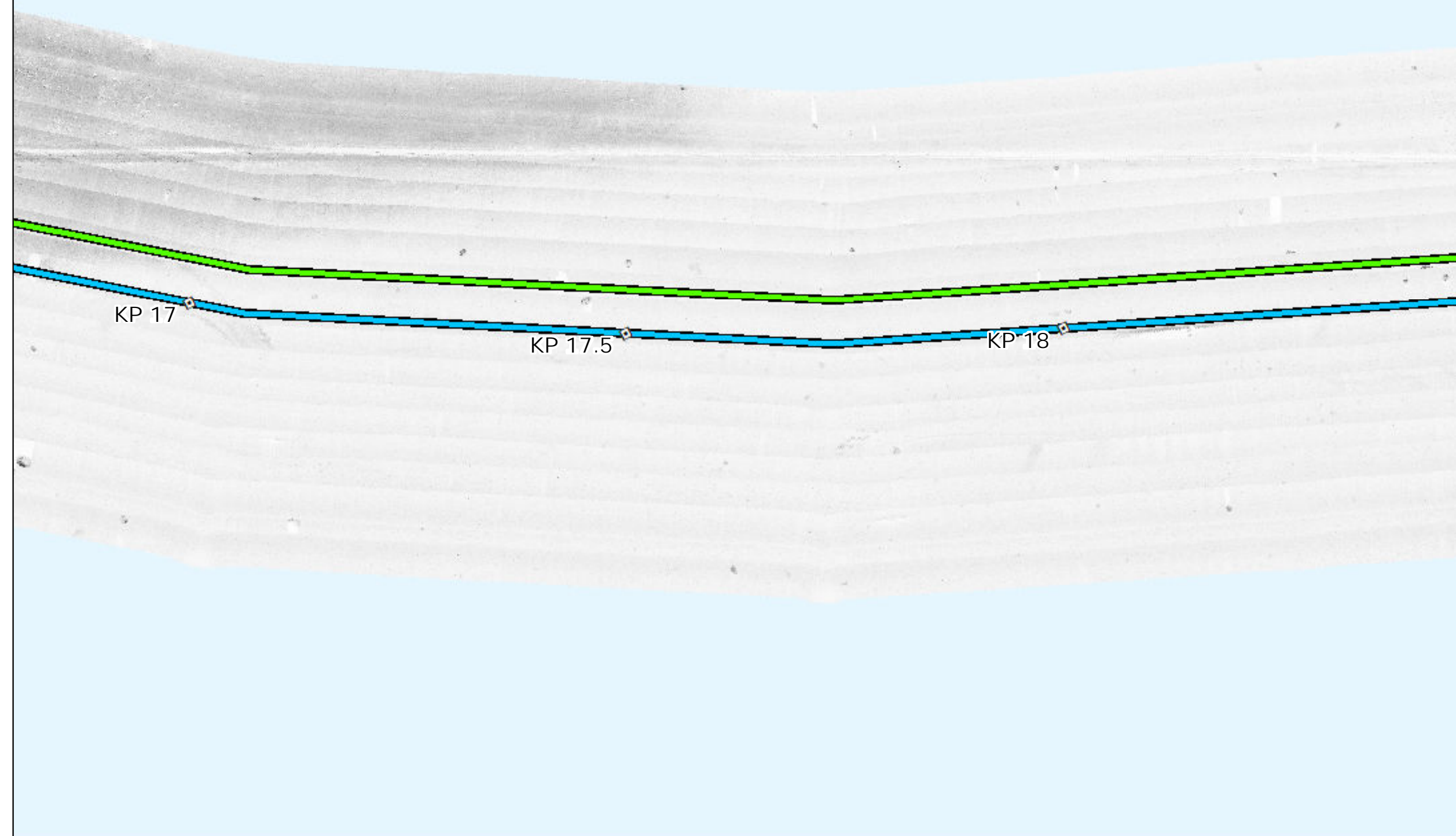
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



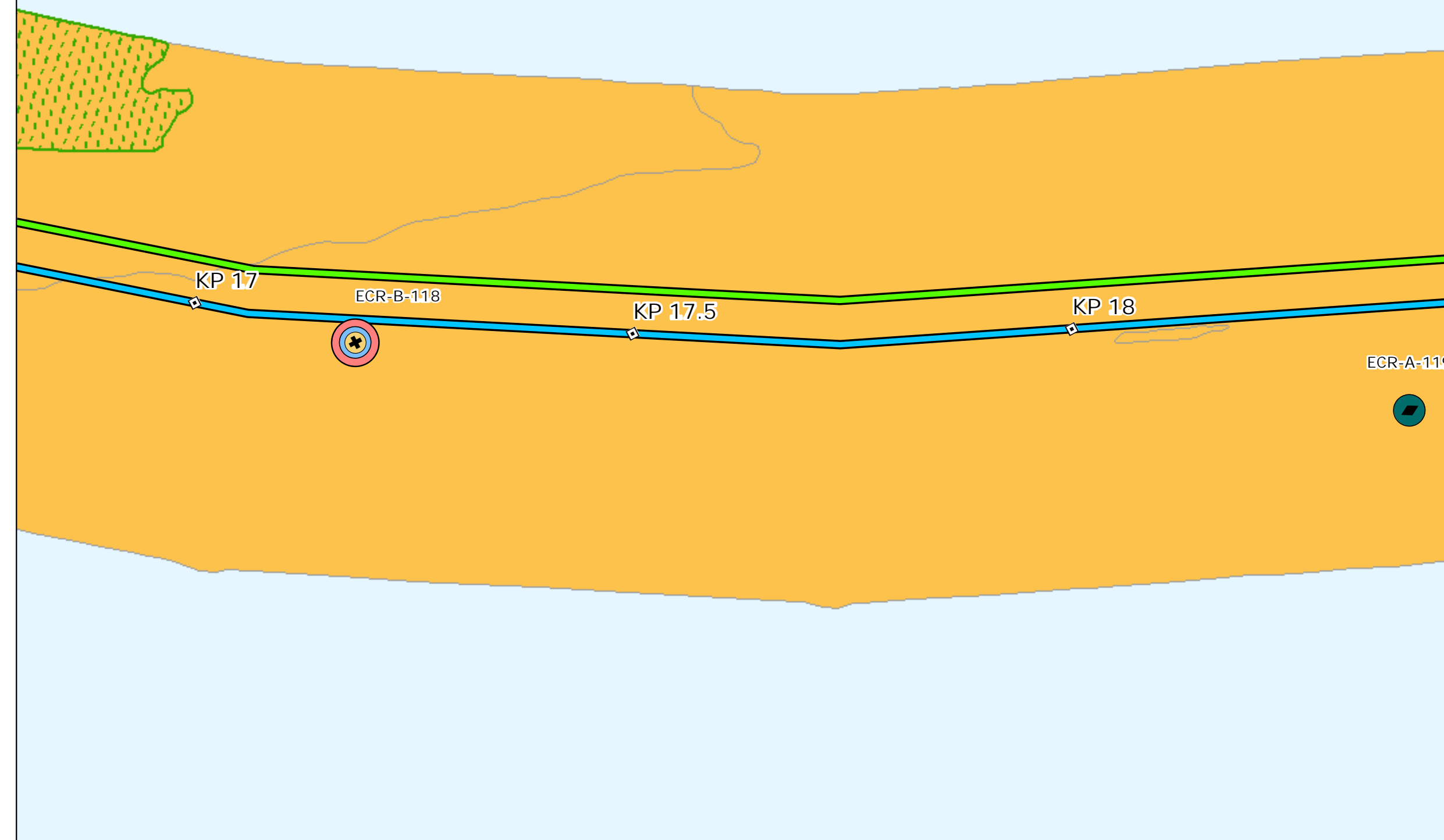
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

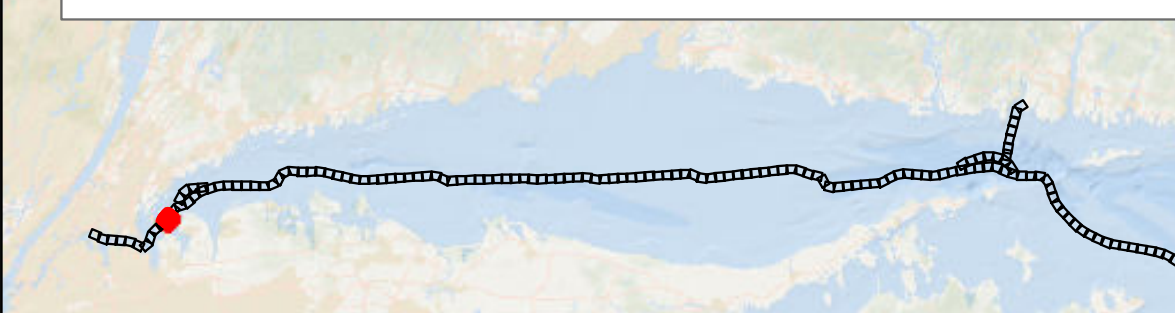


### Interpreted Seabed Sediment/NMFS Habitat Characterization

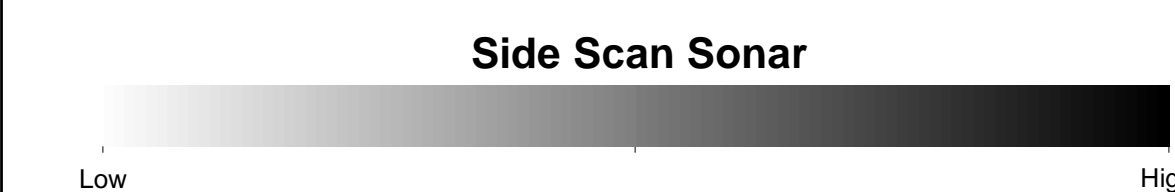
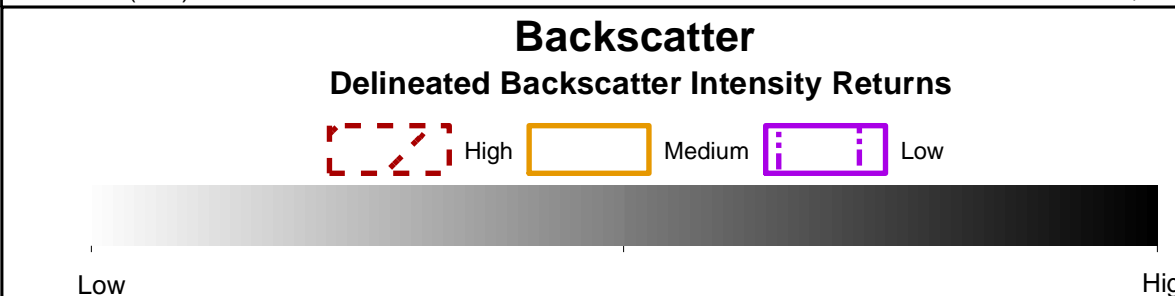
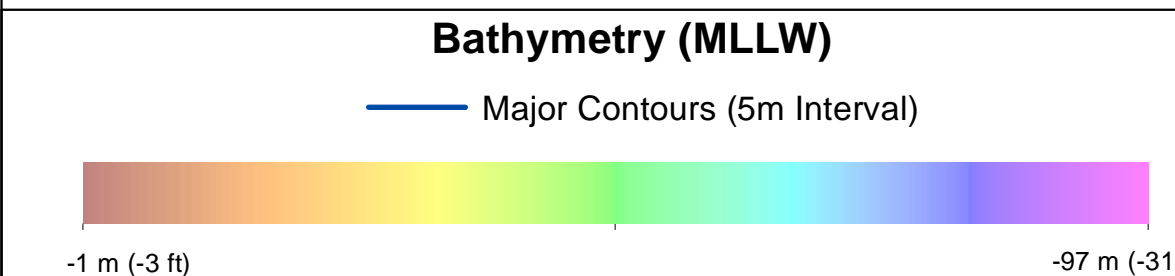
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



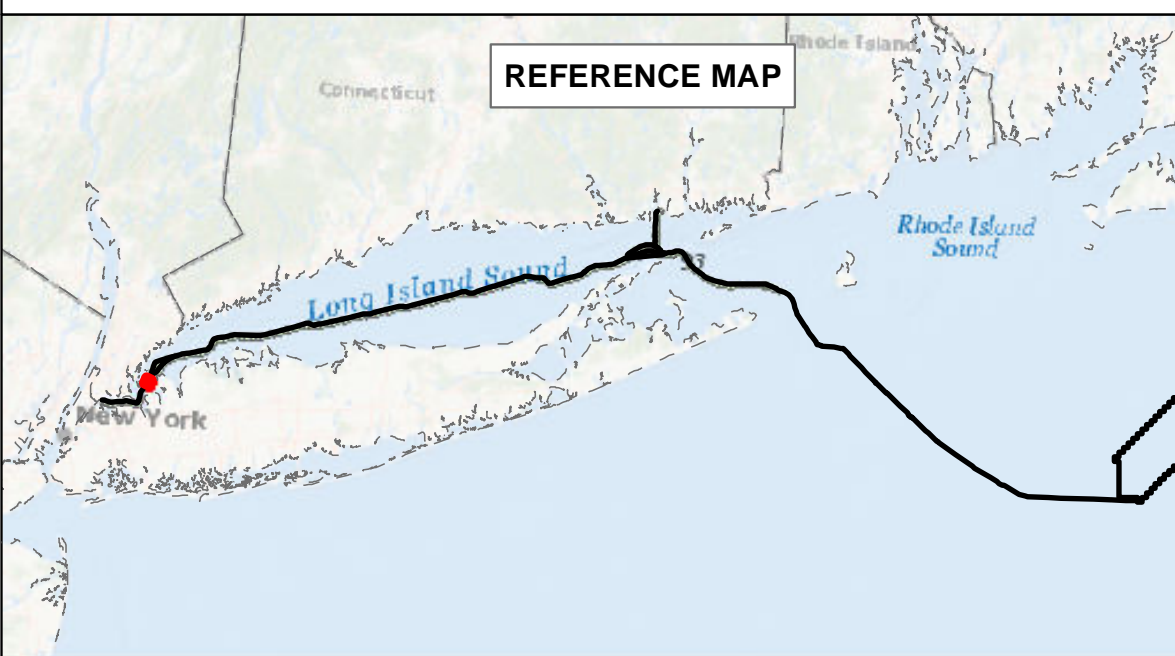
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               | ■ Numerous Boulders/Large Grained Complex Habitat                |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geomorph</b>  |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

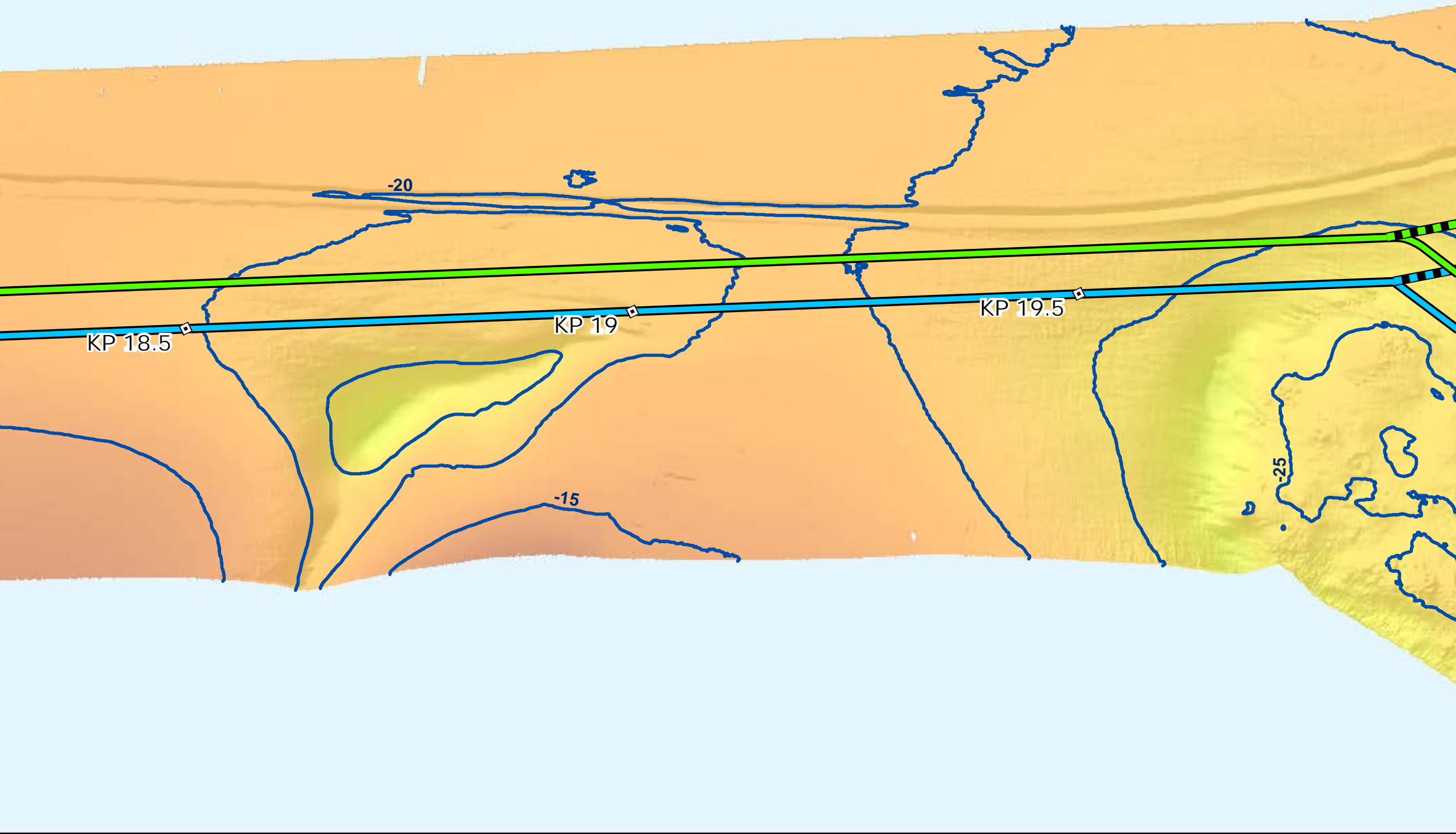
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 12

BW1 (NY) - KP 17 - KP 18  
BW2 (NY) - KP 17 - KP 18  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



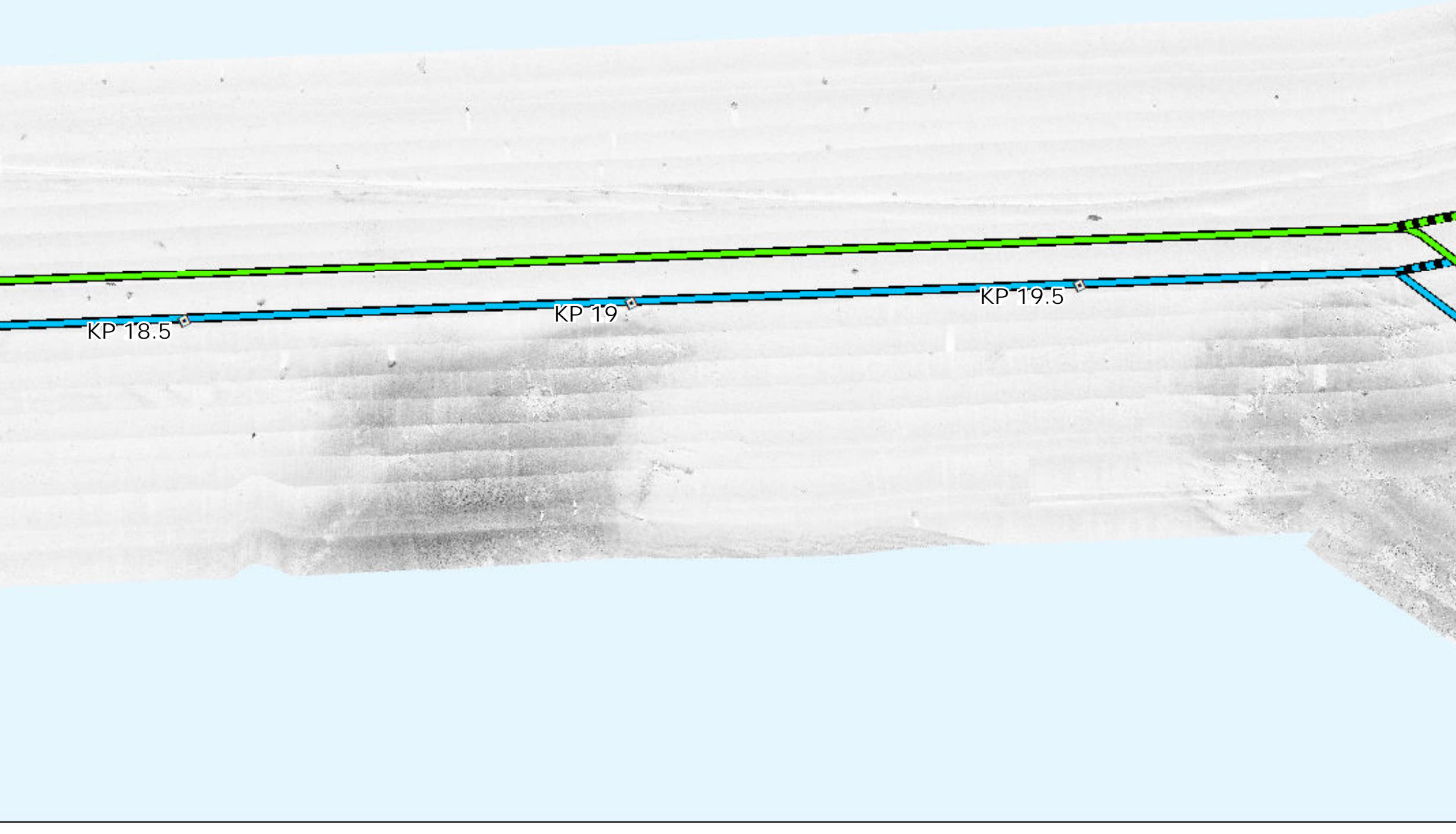
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



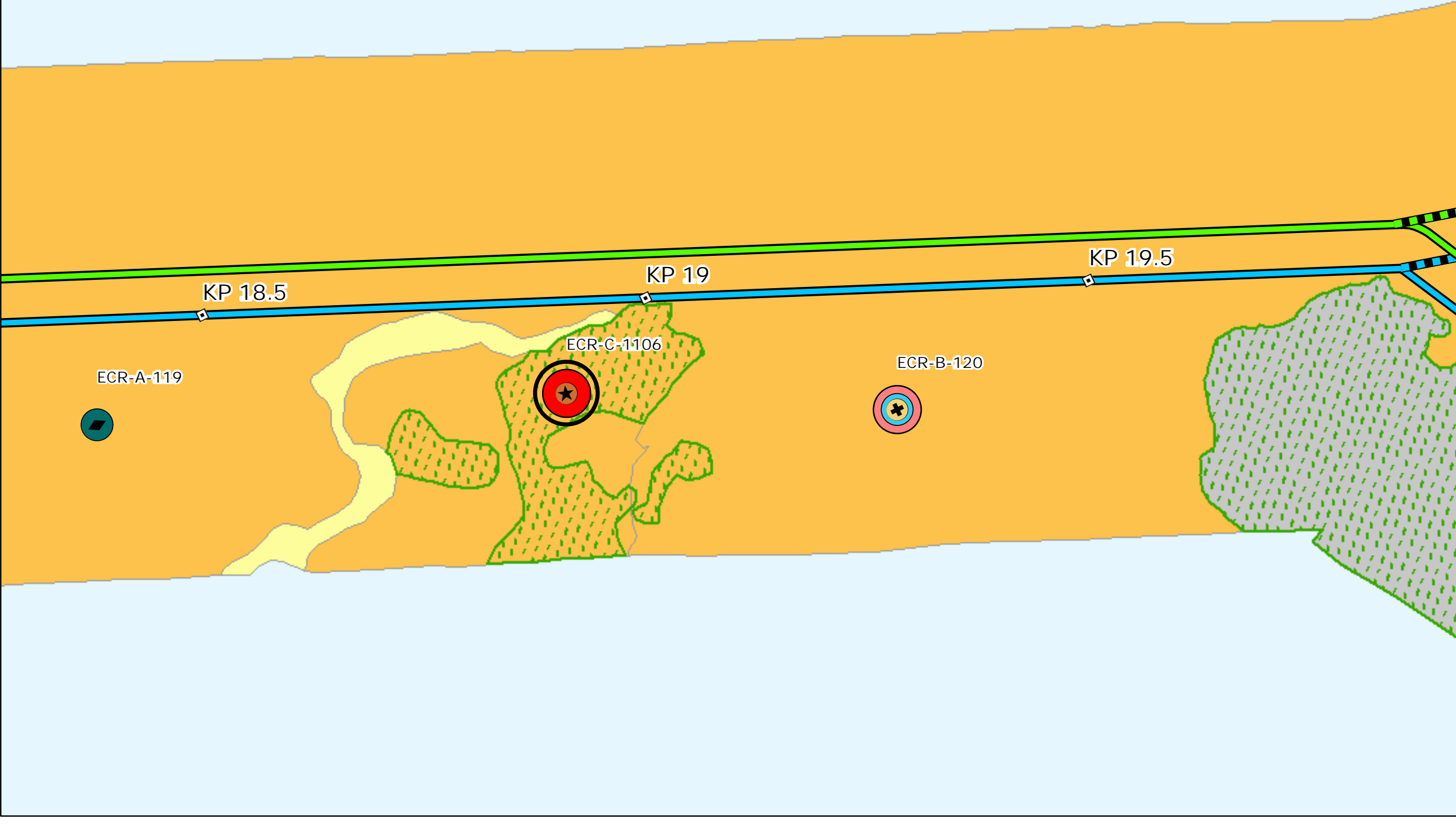
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

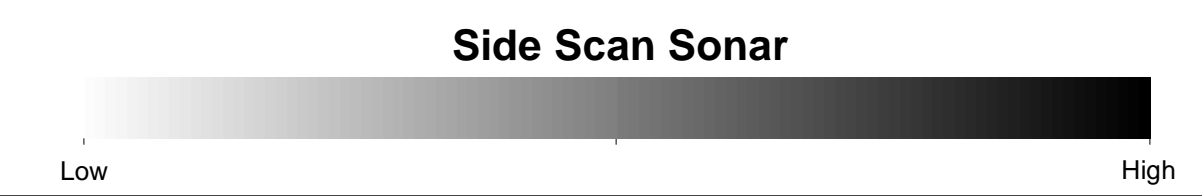
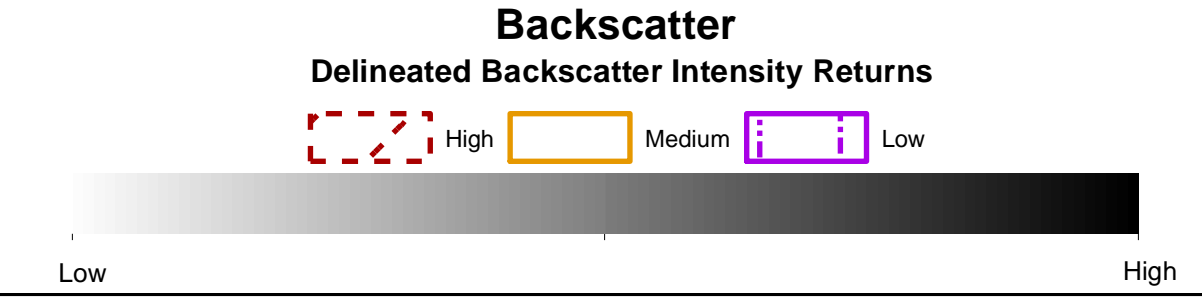
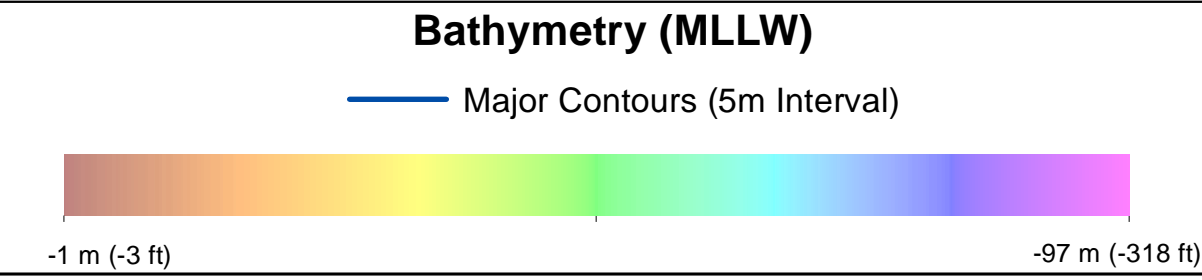
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



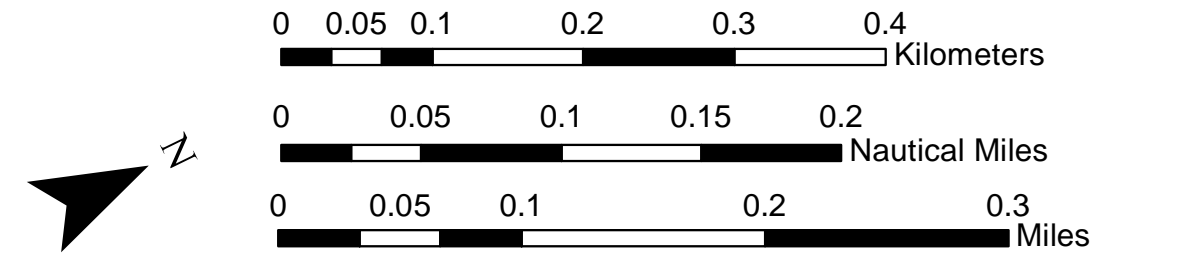
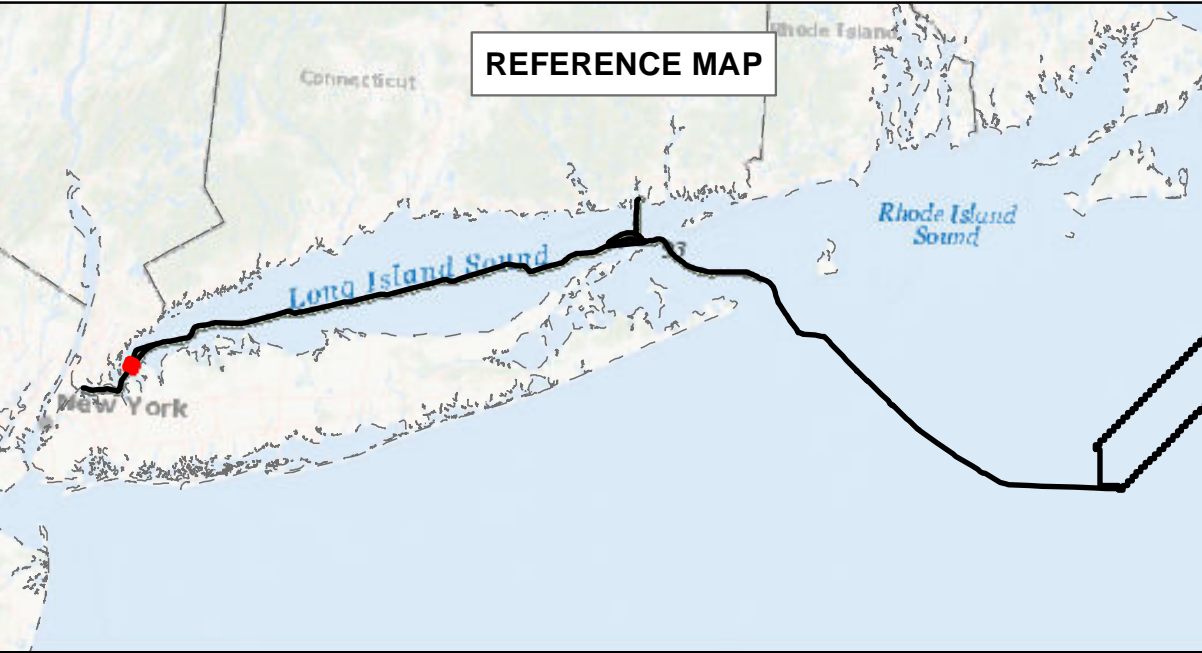
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |                      |  |
|------------------------|----------------------|--|
| <b>Station Type</b>    | Grab and Video       | Northern Star Coral  |
|                        | SPI/PV               |  |
|                        | Video                |  |
| <b>CMECS Biotic</b>    | Large Macrofauna     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
|                        | Soft Sediment Fauna  | Mud and Sandy Mud/Soft Bottom Habitat                            |
| <b>CMECS Substrate</b> | Gravelly Muddy Sand  | Mixed Sediment/Complex Habitat                                   |
|                        | Sandy Mud            | Till/Complex Habitat   |
| <b>CMECS Geoform</b>   | Boulder Field        | Numerous Boulders/Large Grained Complex Habitat                  |
|                        | Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

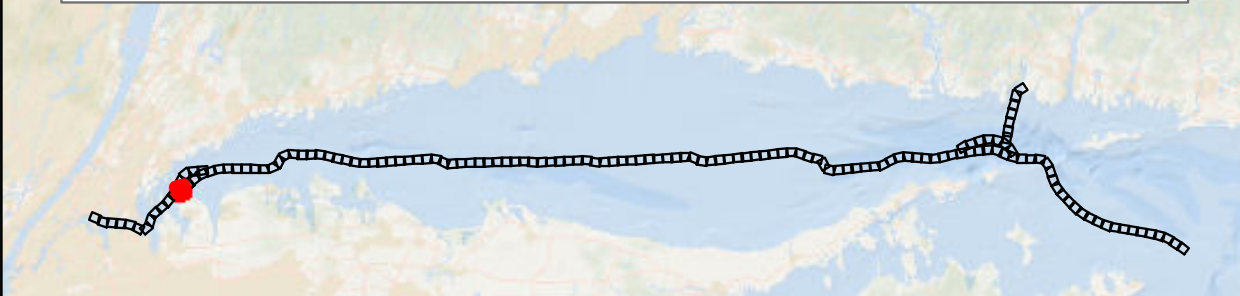
### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 13

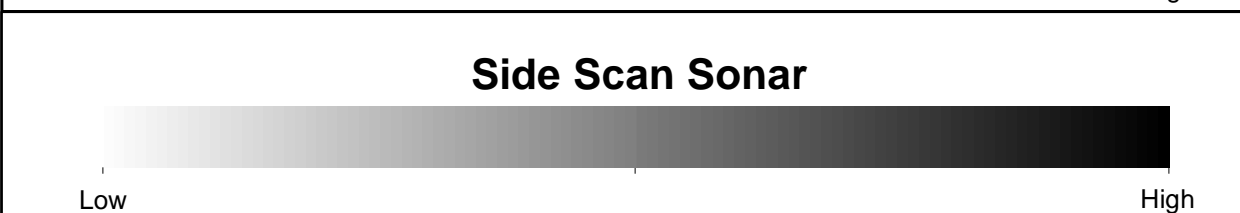
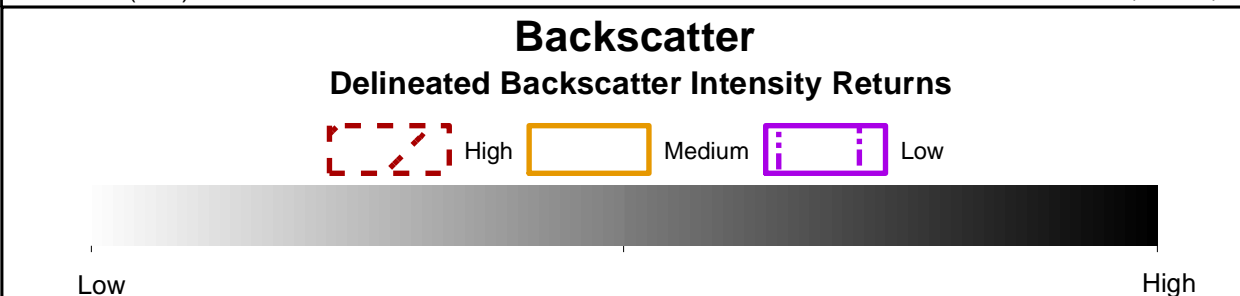
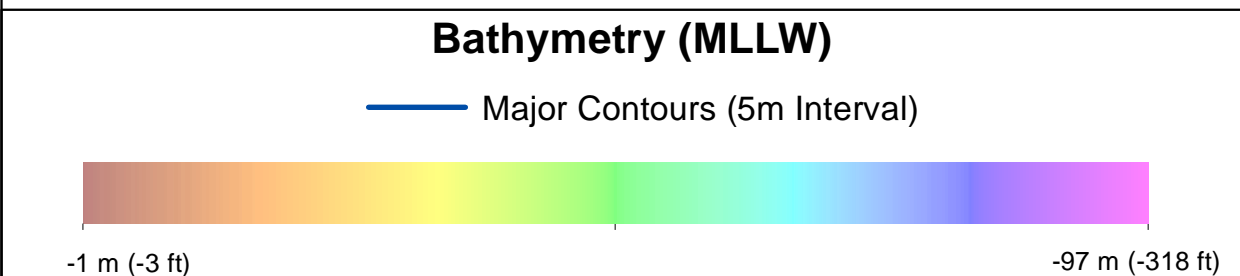
BW1 (NY) - KP 18.5 - KP 19.5  
BW2 (NY) - KP 18.5 - KP 19.5  
BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**



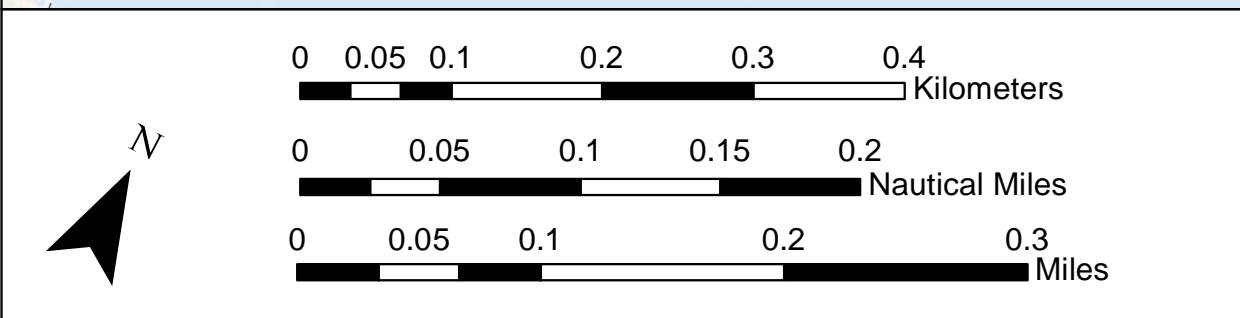
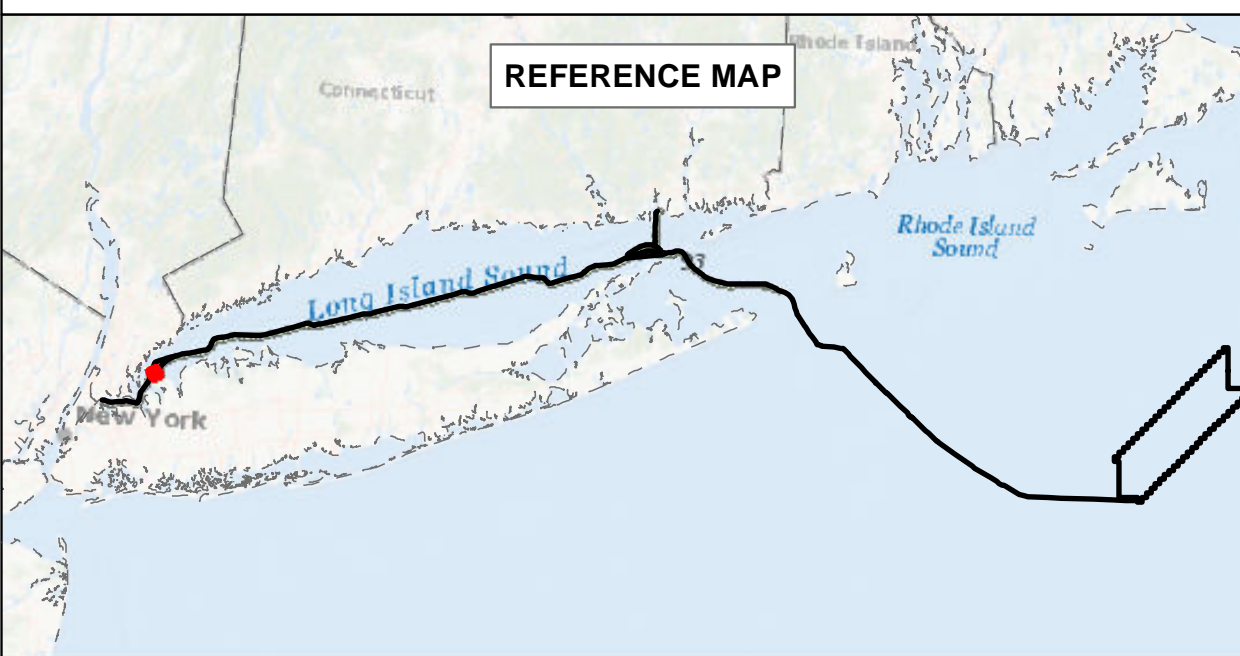
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)
- BW1 Submarine Export Cable Route - Variant (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |  |  |
|--|--|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li> SPI/PV</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li> Attached Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li> Mud</li> <li> Sandy Mud</li> <li> Boulder Field</li> <li> Northern Star Coral</li> </ul> | <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li> Mixed Sediment/Complex Habitat</li> <li> Till/Complex Habitat</li> <li> Numerous Boulders/Large Grained Complex Habitat</li> </ul> |
|--|--|

Note:  
1) Legend only shows items visible in the current map extent.

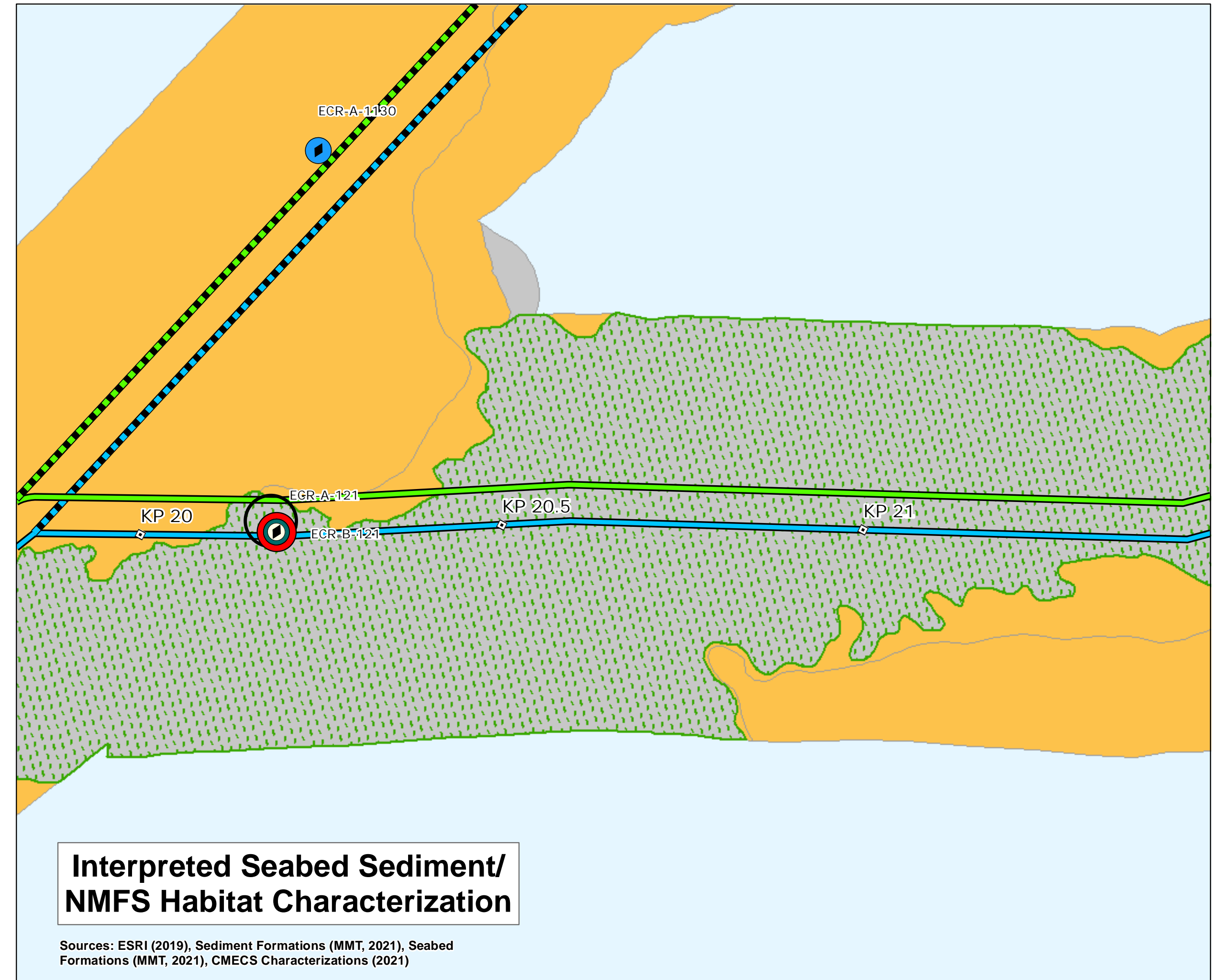
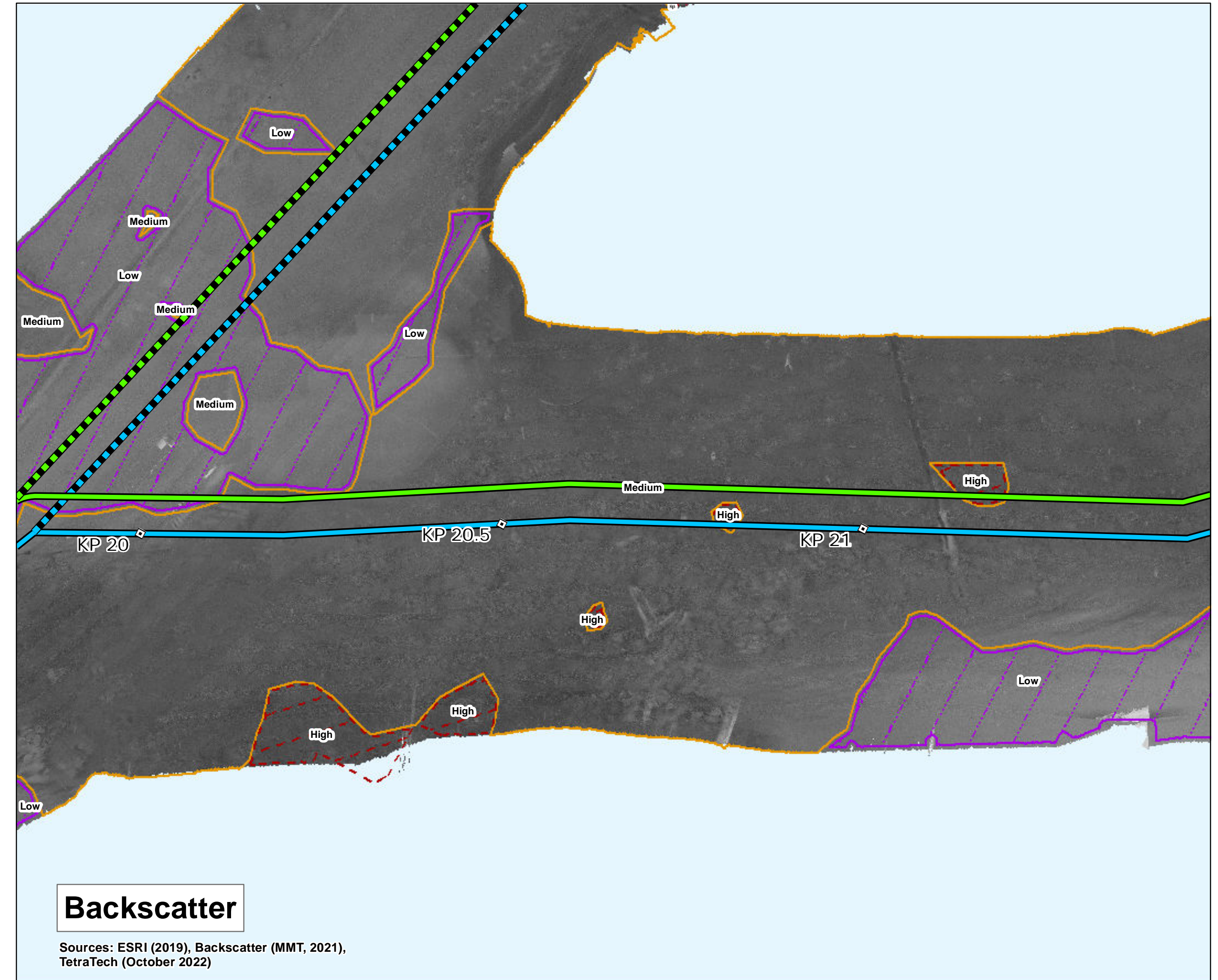
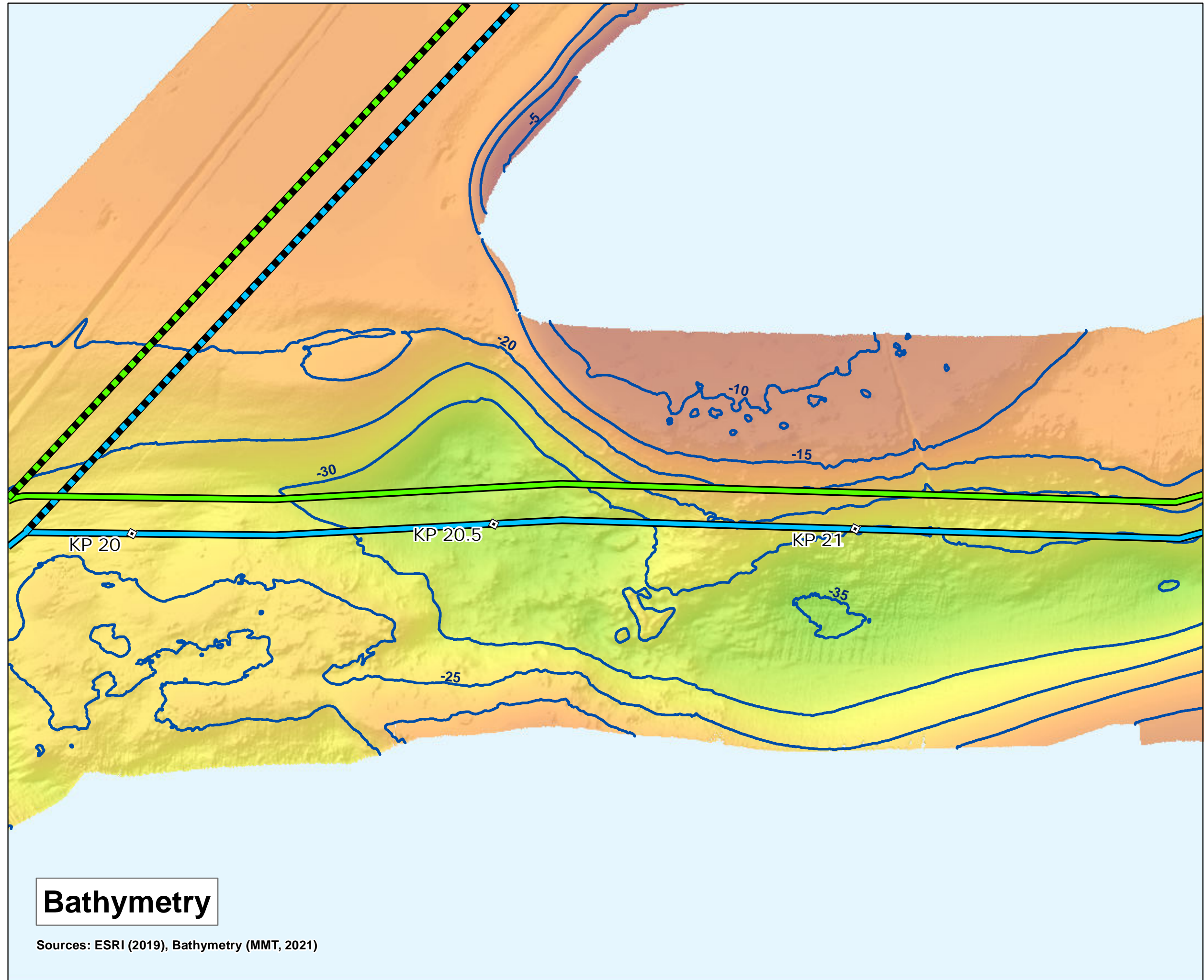
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 14

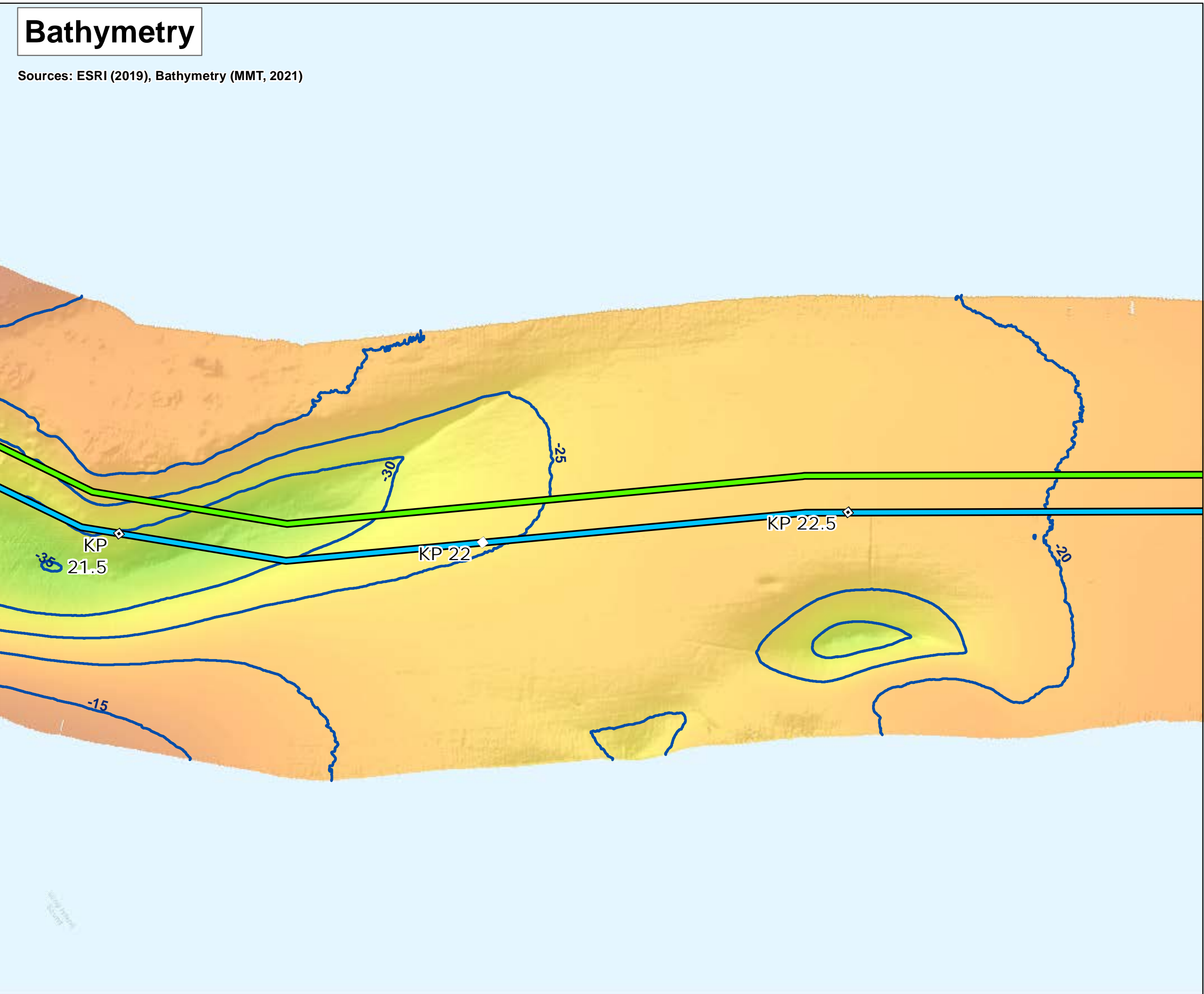
BW1 (NY) - KP 20 - KP 21  
BW2 (NY) - KP 20 - KP 21  
BW2 (CT) - N/A





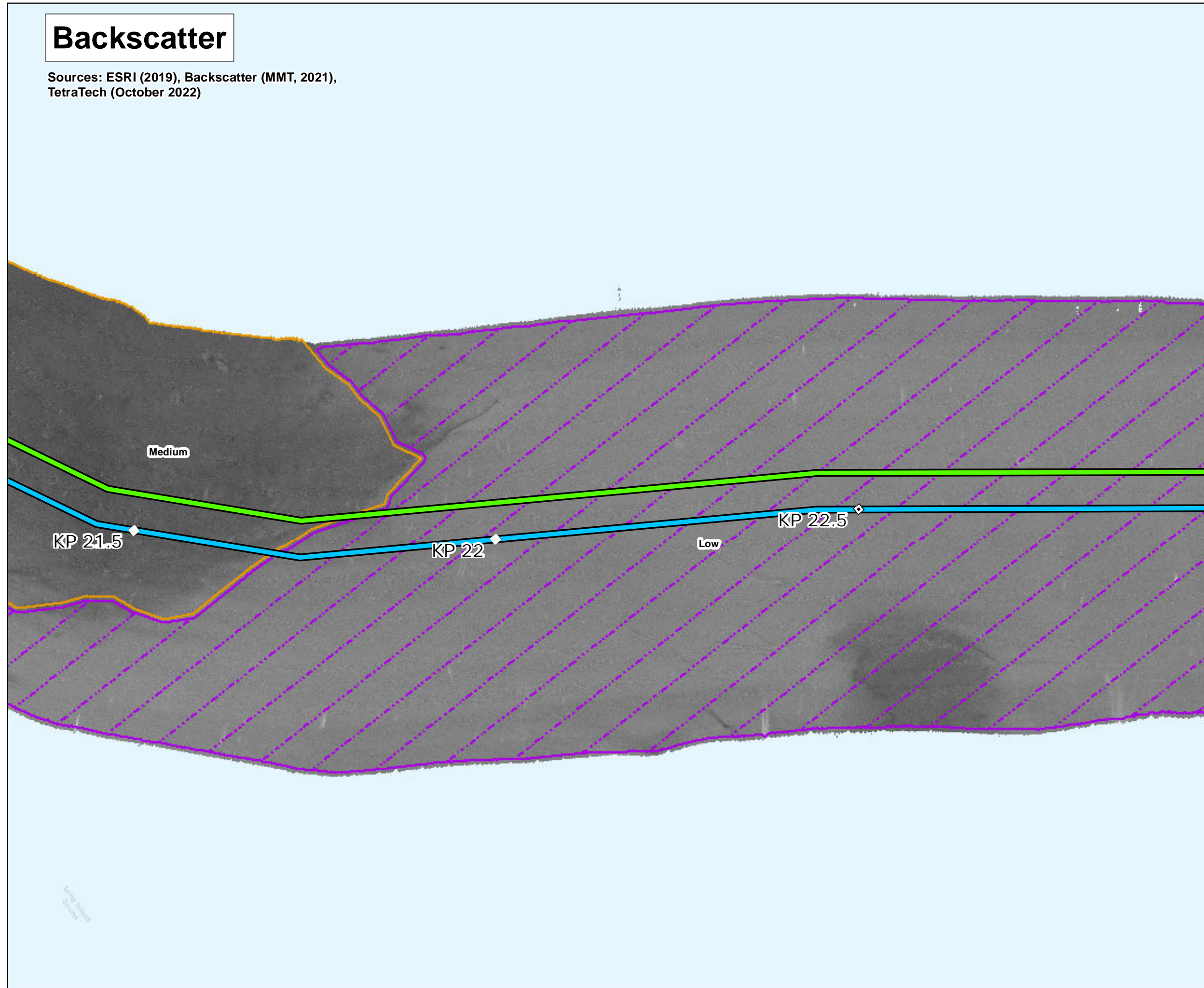
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



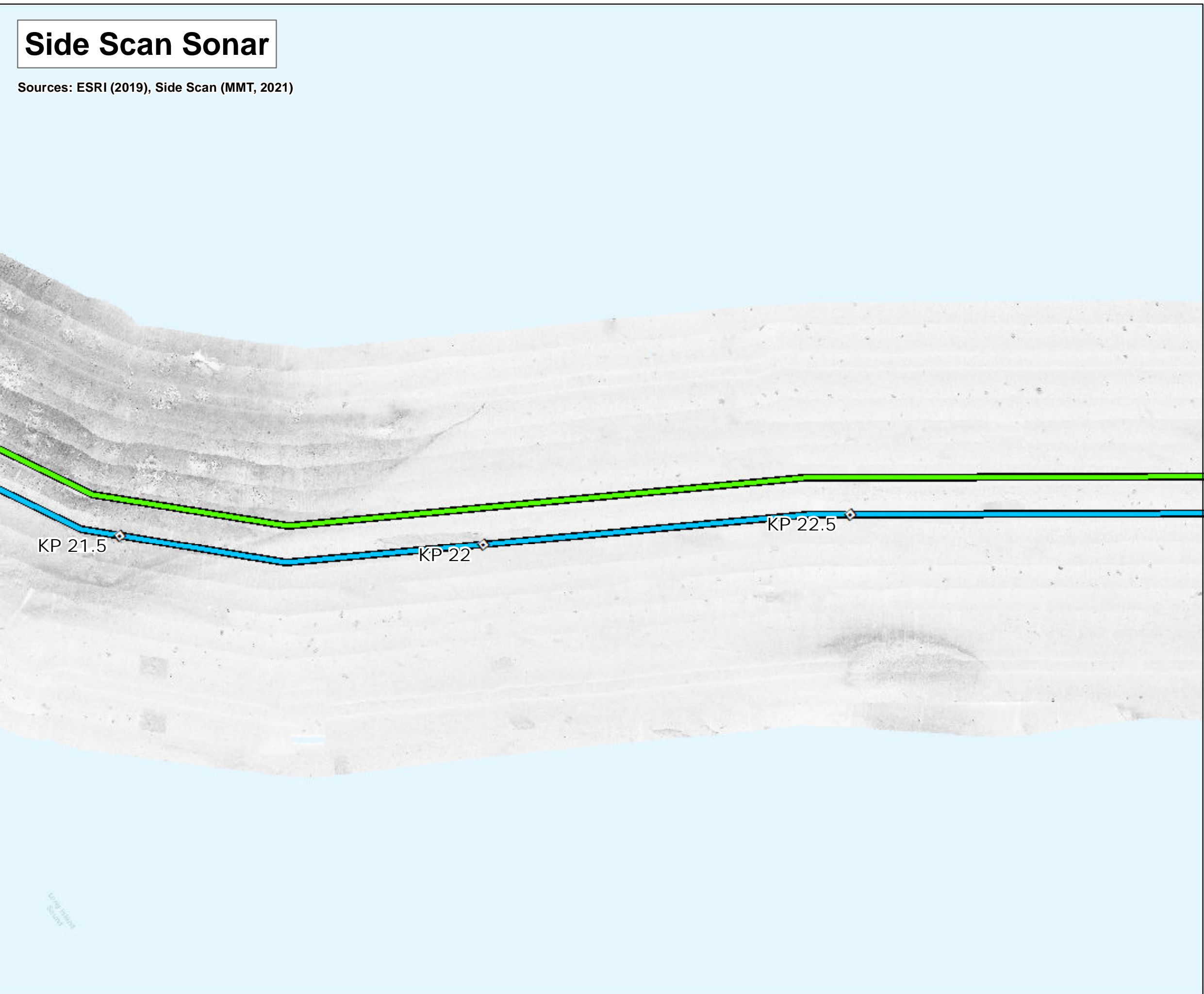
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



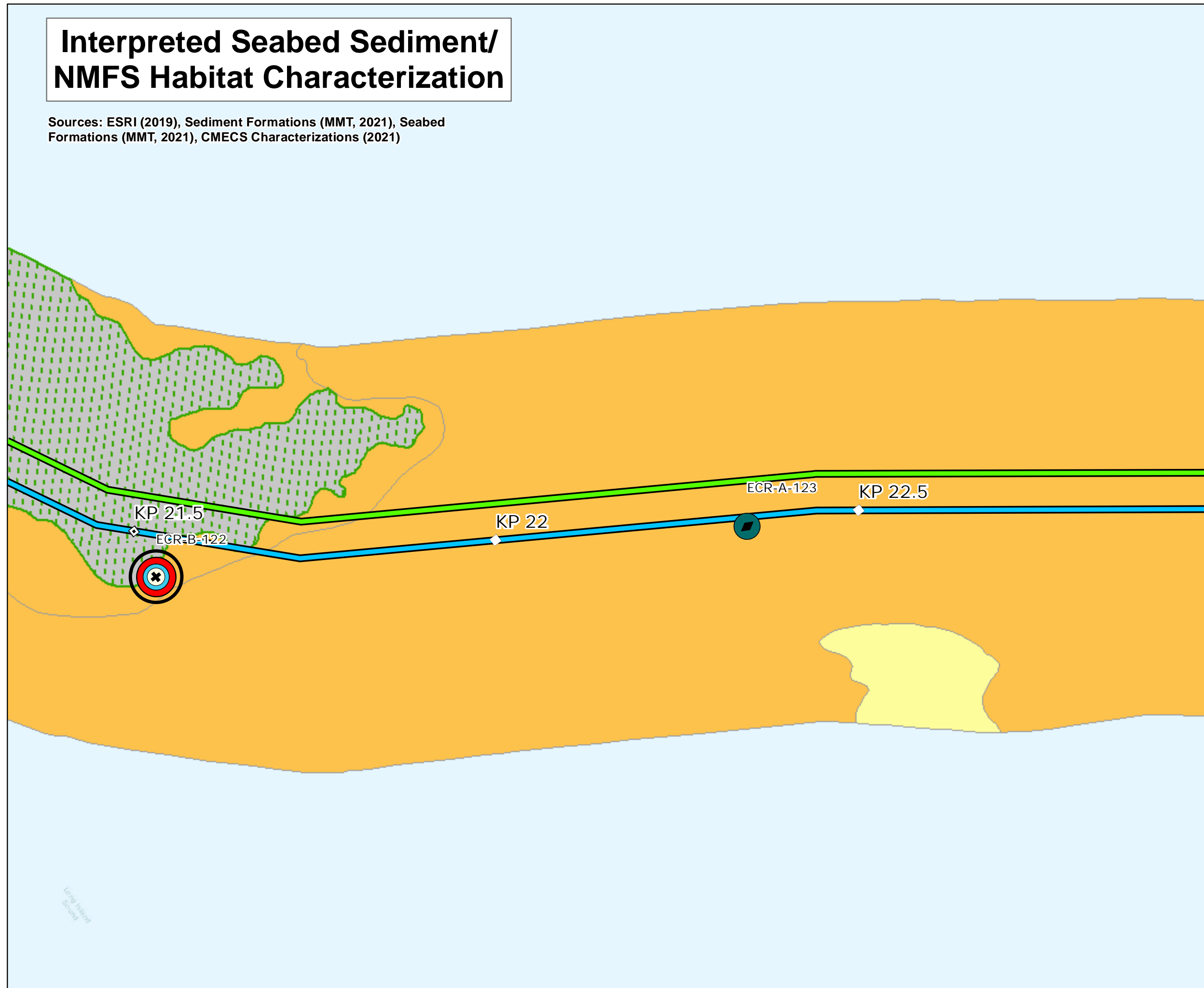
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

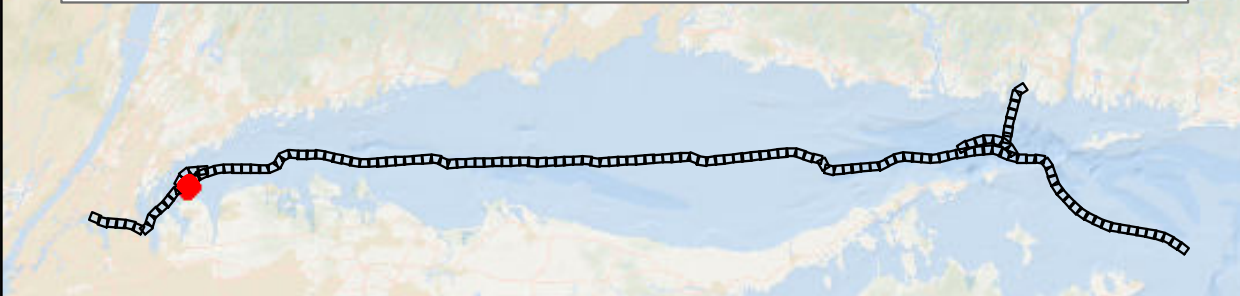


# Interpreted Seabed Sediment/NMFS Habitat Characterization

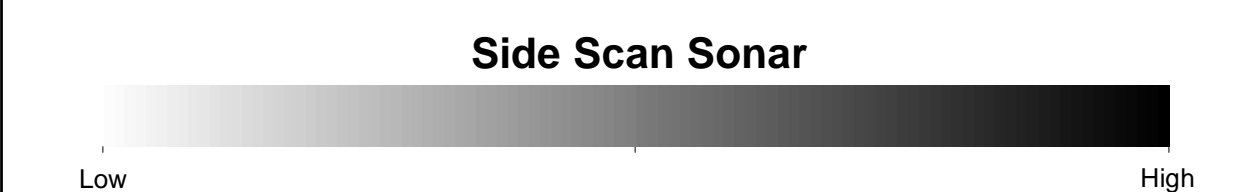
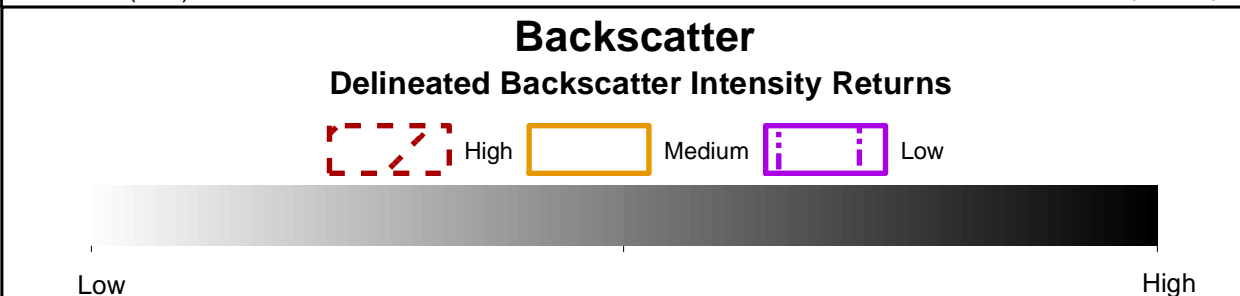
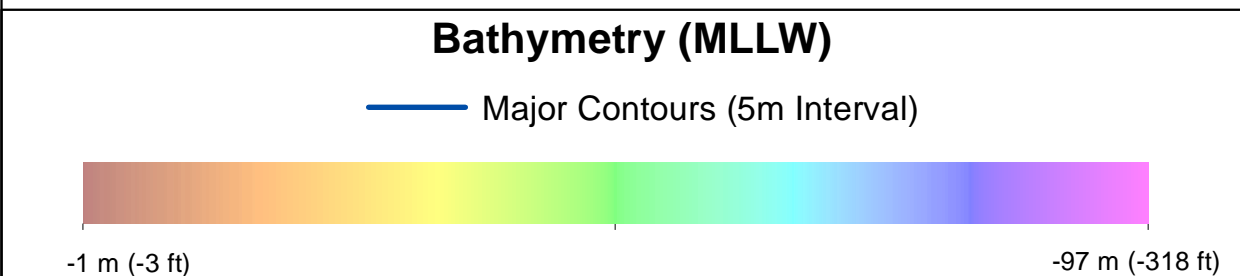
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



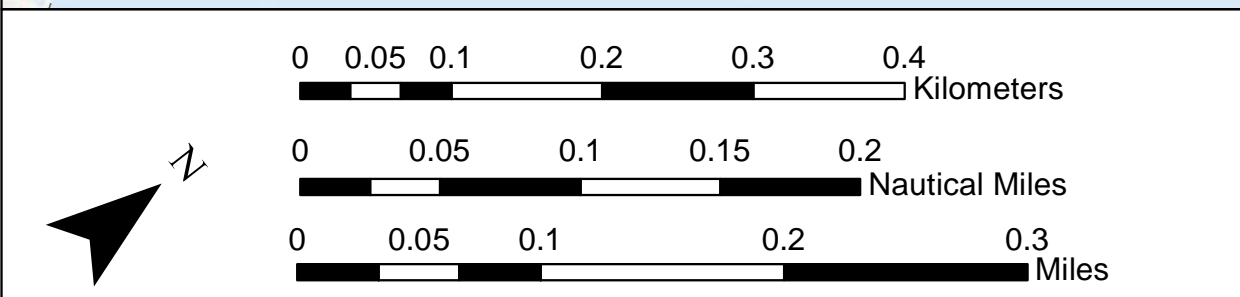
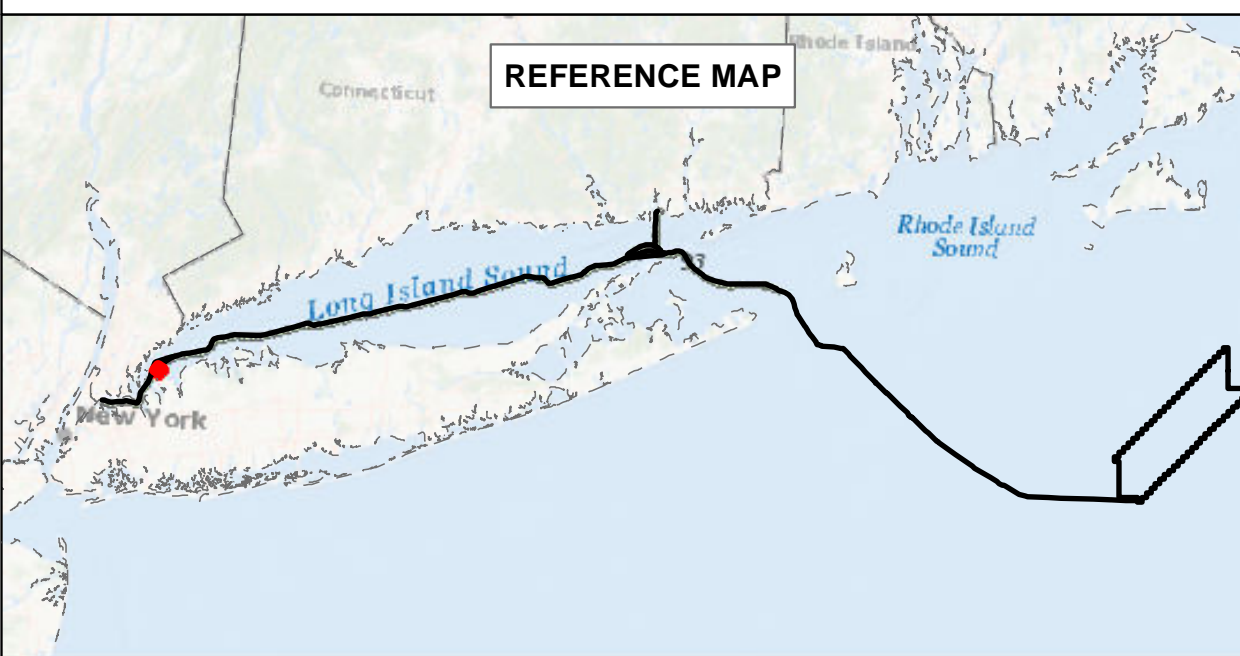
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |   |
|------------------------|---|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b>        |
| ✦ Grab and Video       | Yellow: Mud and Sandy Mud/Soft Bottom Habitat                           |
| ◆ SPI/PV               | Orange: Mixed Sediment/Complex Habitat                                  |
| ○ Attached Fauna       | Grey: Till/Complex Habitat  |
| <b>CMECS Biotic</b>    | Green with cross-hatch: Numerous Boulders/Large Grained Complex Habitat |
| ○ Attached Fauna       |   |
| <b>CMECS Substrate</b> |   |
| ● Gravelly Muddy Sand  |   |
| ● Sandy Mud            |   |
| <b>CMECS Geoform</b>   |   |
| ● Boulder Field        |   |
| ○ Northern Star Coral  |   |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

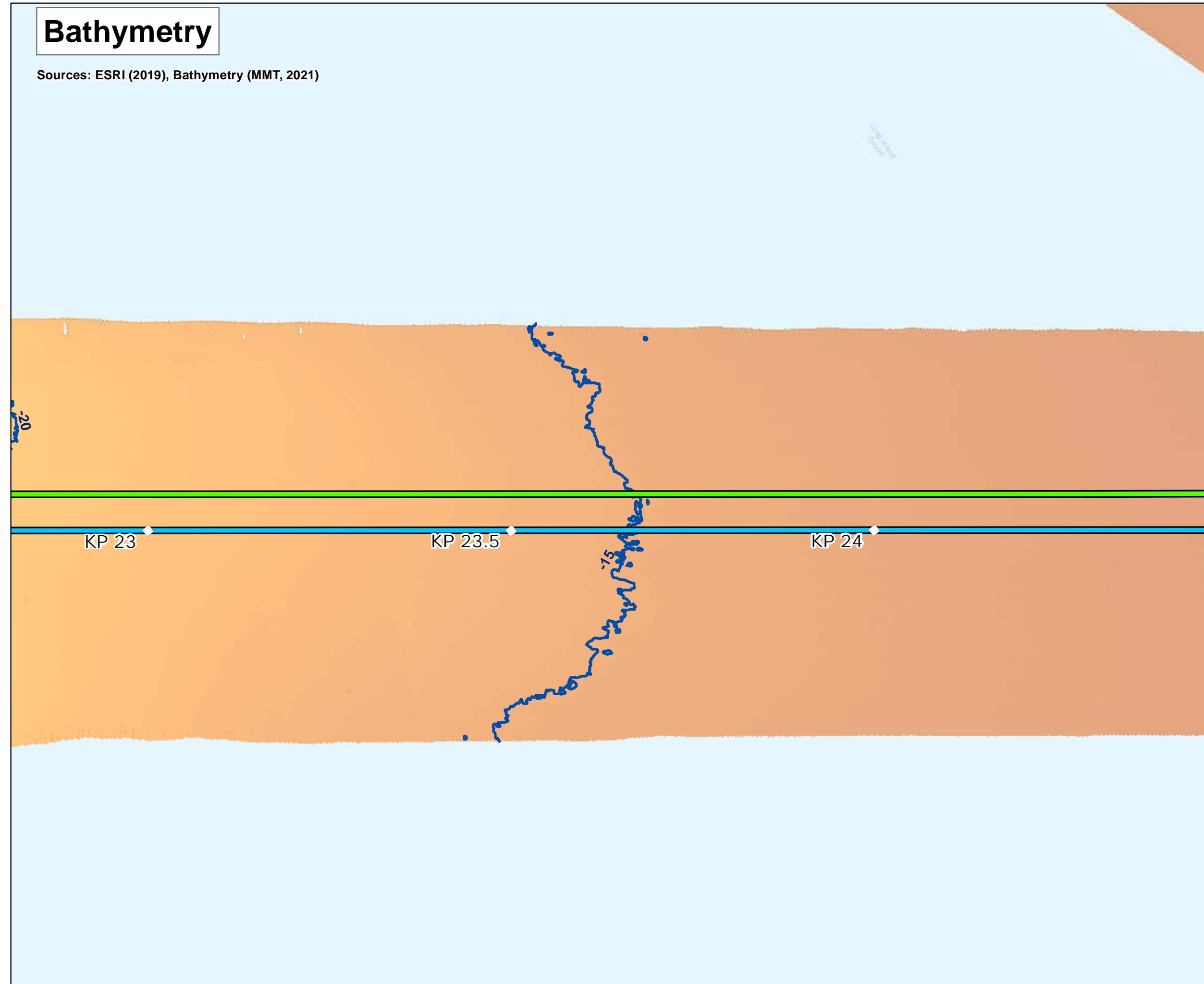
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 15

BW1 (NY) - KP 21.5 - KP 22.5  
BW2 (NY) - KP 21.5 - KP 22.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



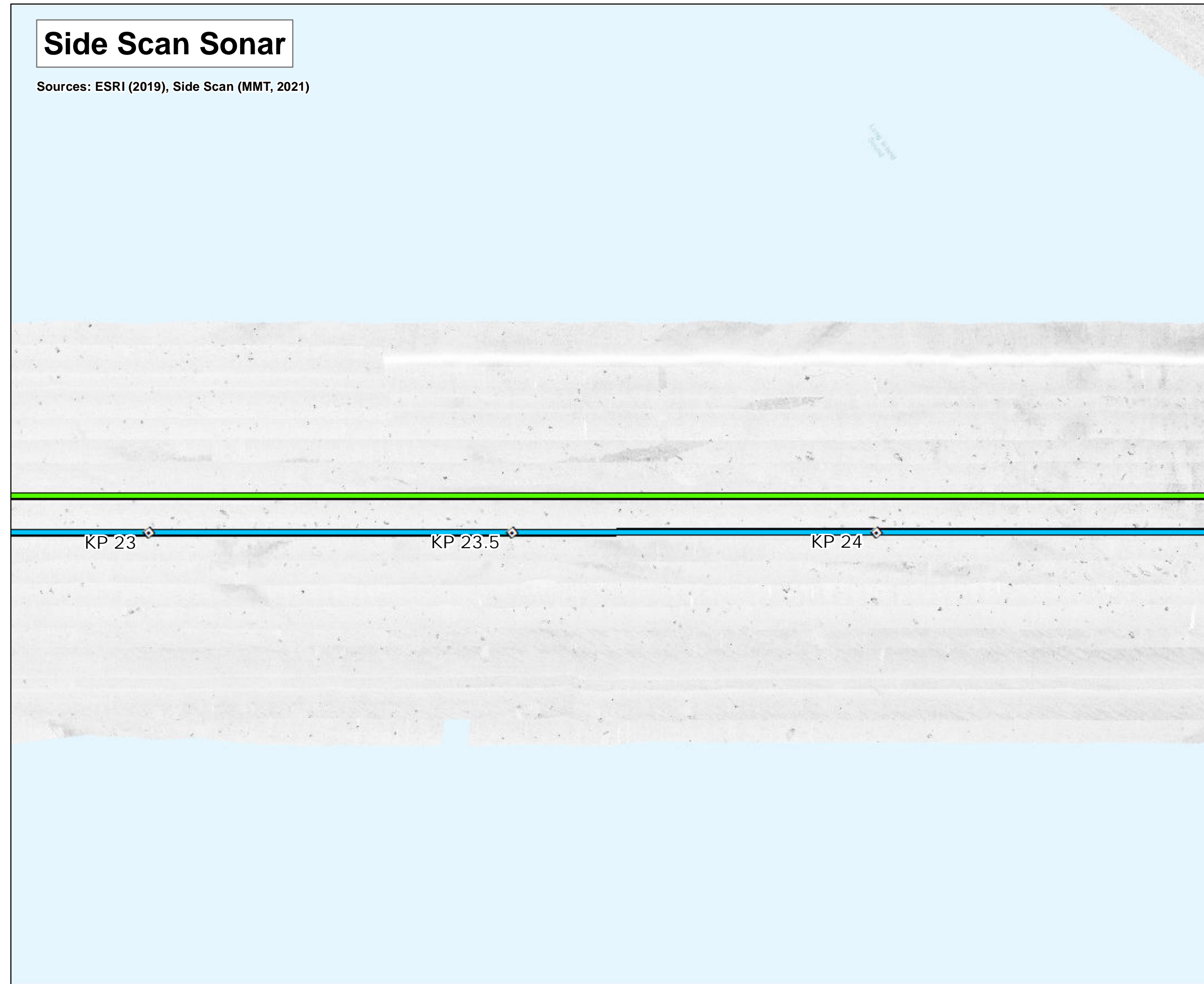
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



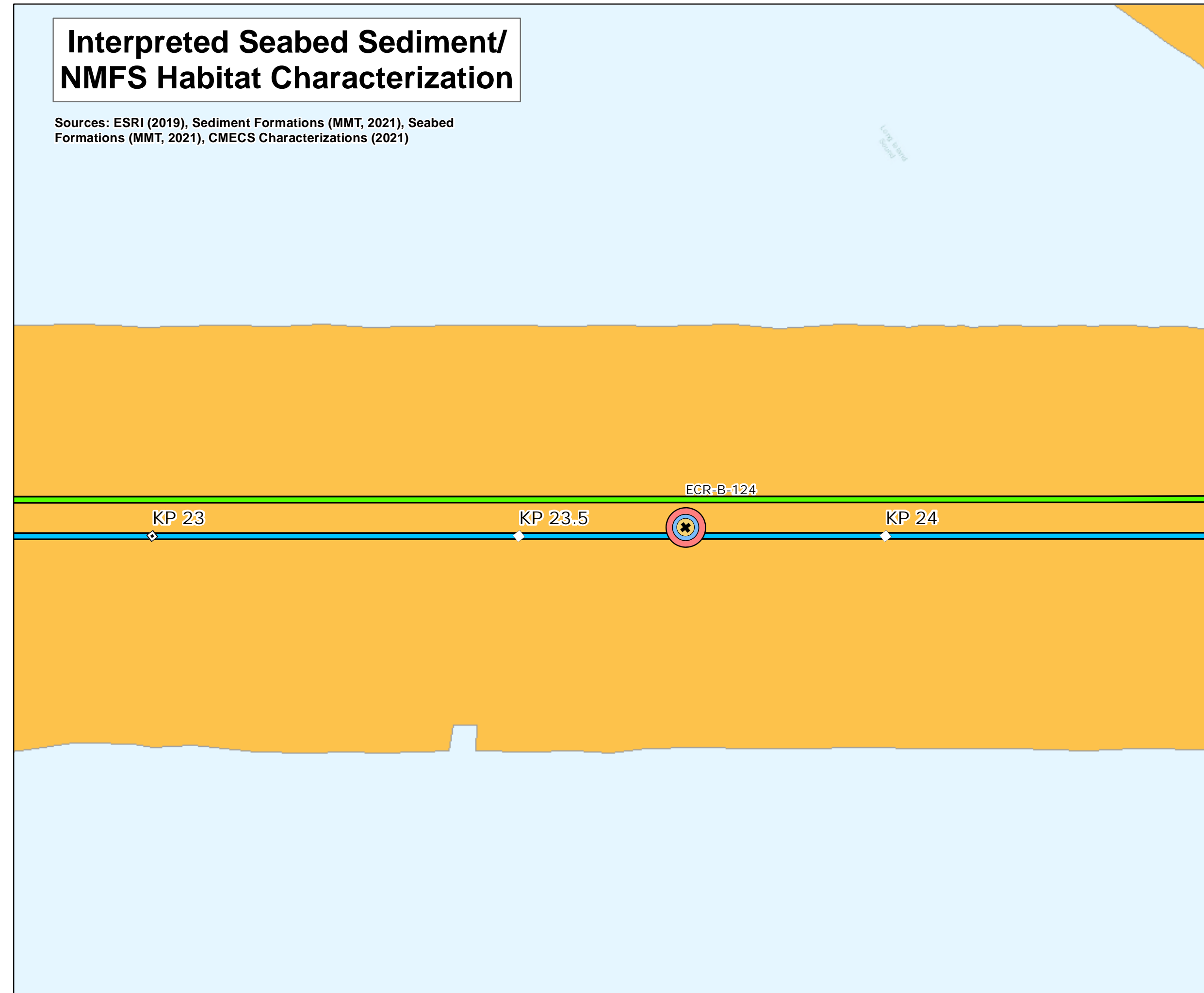
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

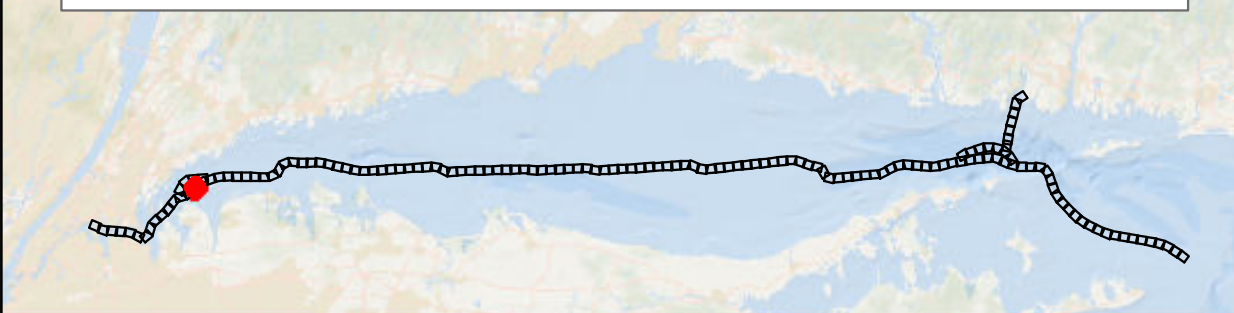


# Interpreted Seabed Sediment/NMFS Habitat Characterization

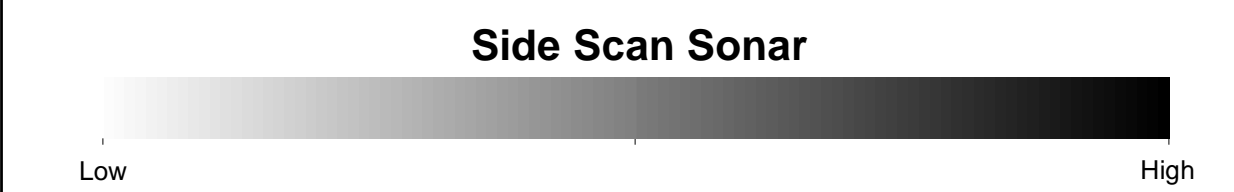
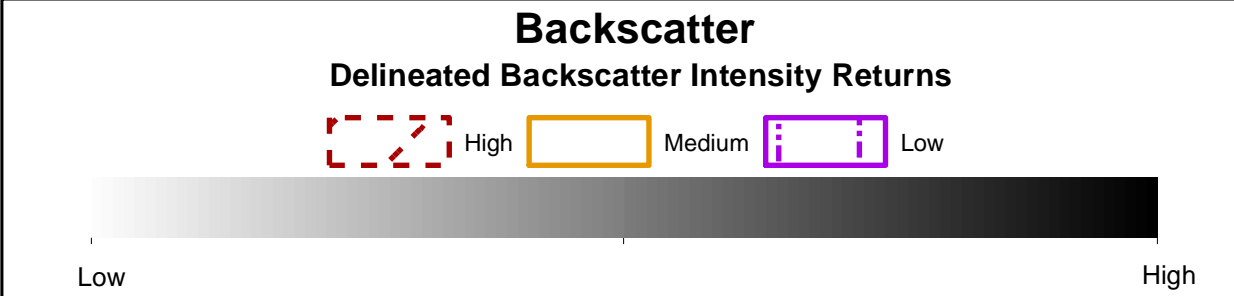
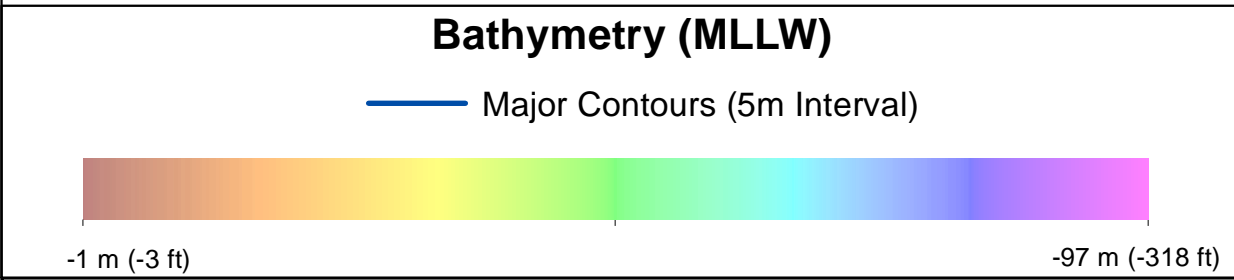
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



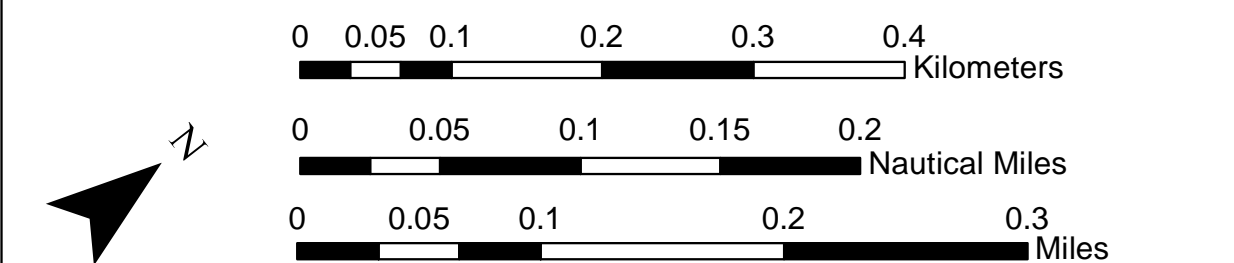
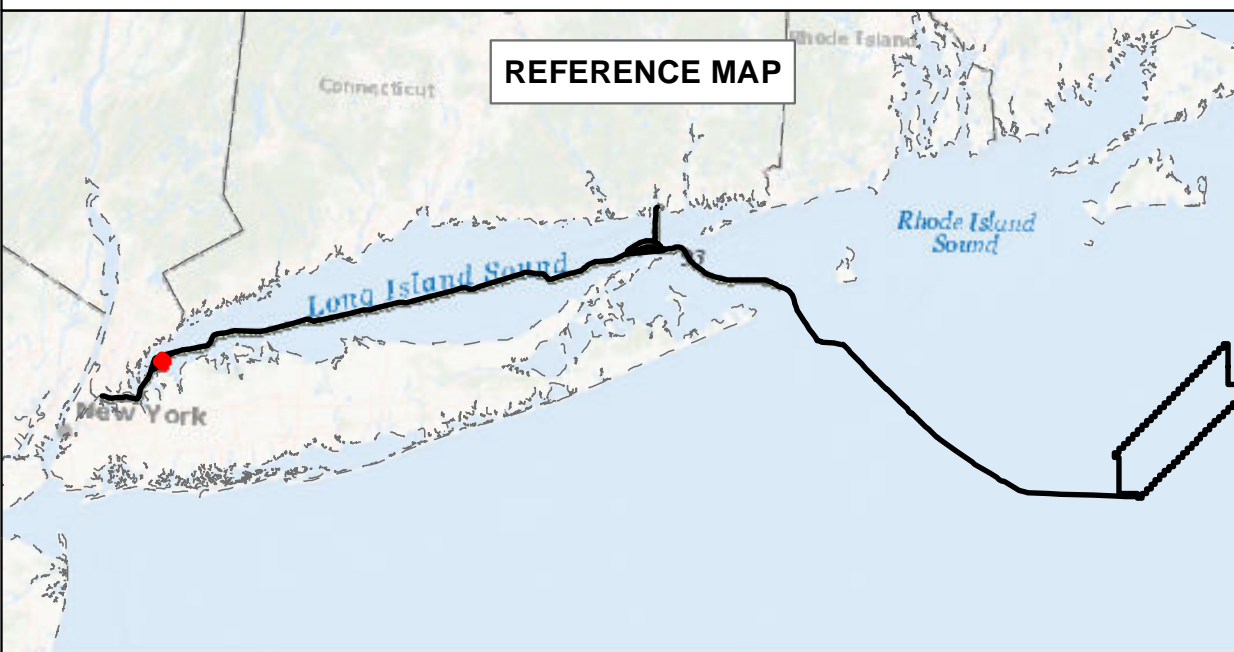
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- + Grab and Video
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



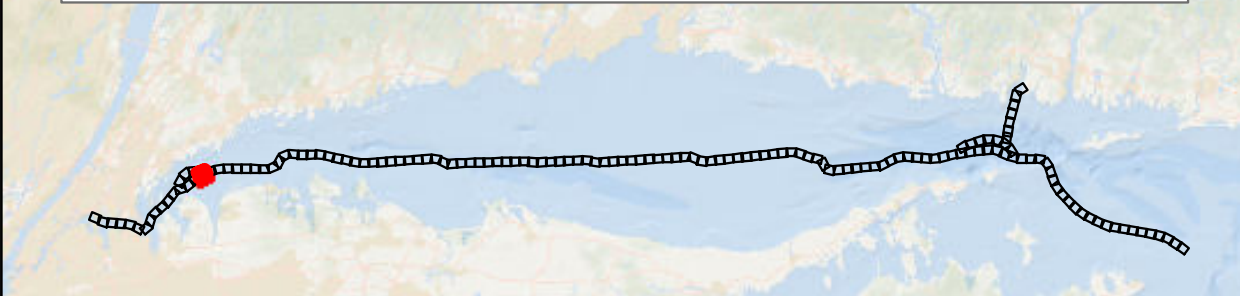
**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 16

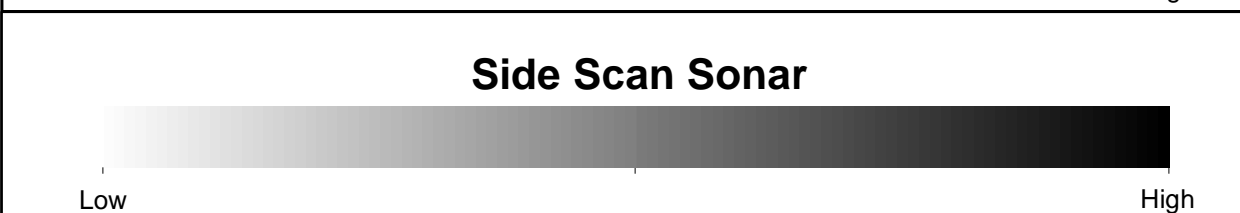
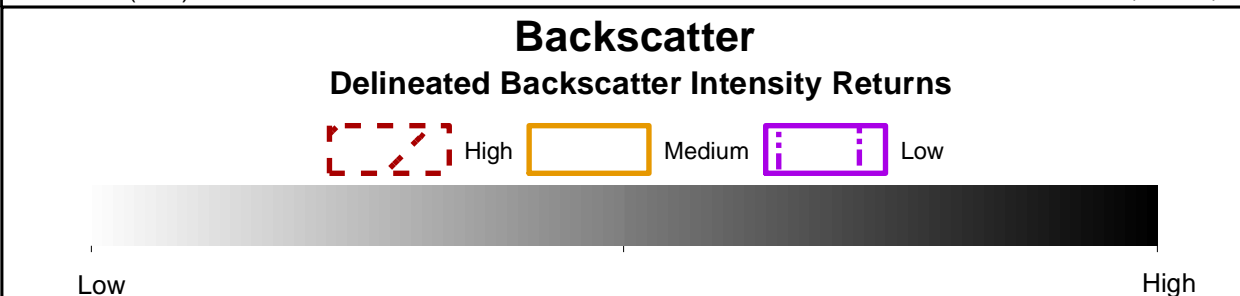
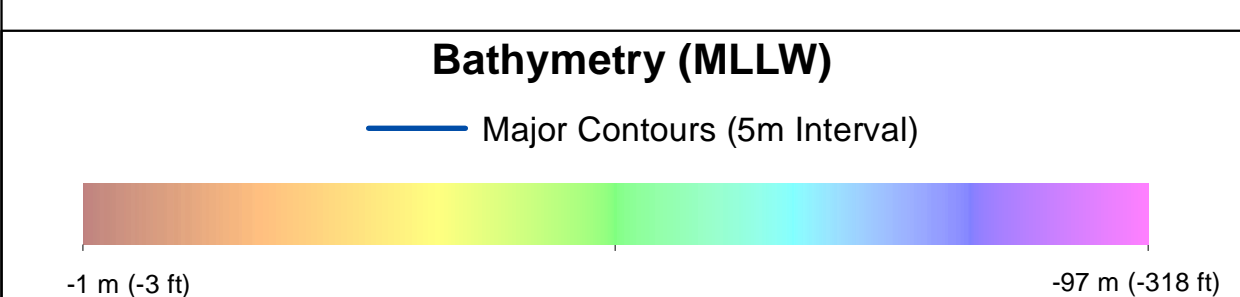
BW1 (NY) - KP 23 - KP 24  
BW2 (NY) - KP 23 - KP 24  
BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**

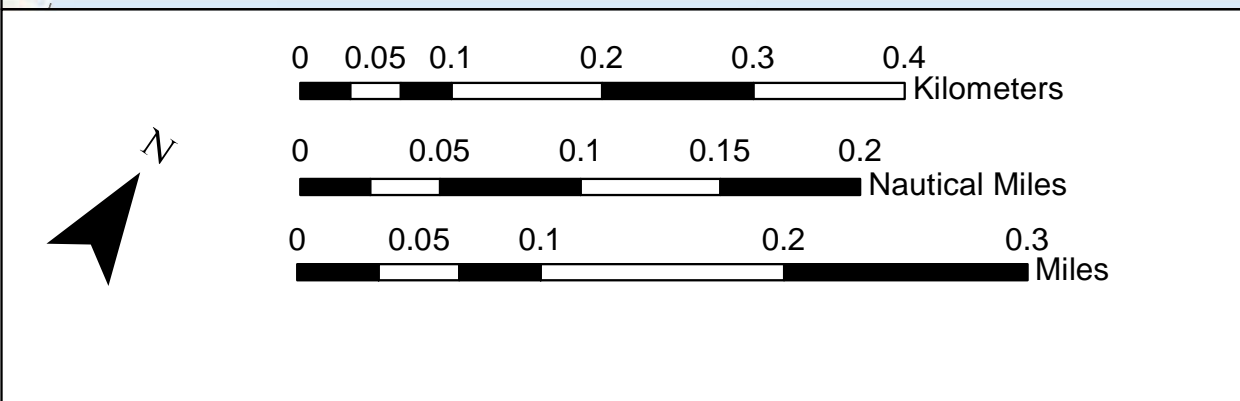
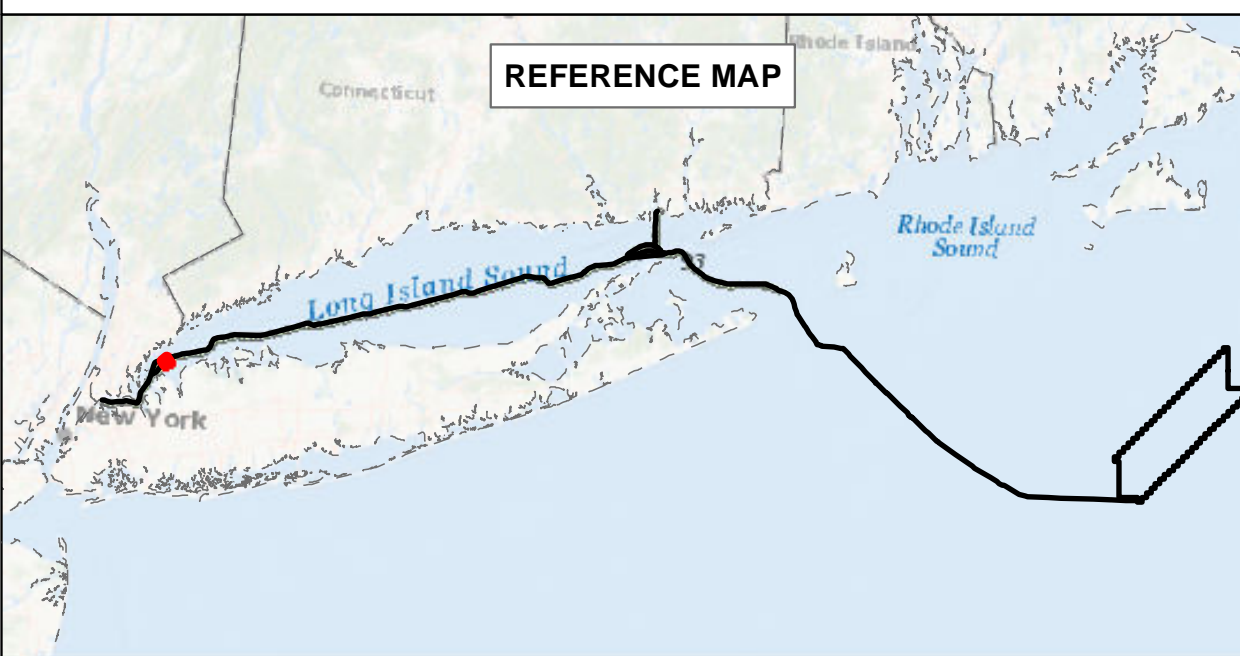


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| Grab and Video         | Mixed Sediment/Complex Habitat                                   |
| SPI/PV                 |  |
| <b>CMECS Biotic</b>    |  |
| Soft Sediment Fauna    |  |
| <b>CMECS Substrate</b> |  |
| Gravelly Muddy Sand    |  |
| Mud                    |  |
| Sandy Mud              |  |
| <b>CMECS Geoform</b>   |  |
| Burrows/Bioturbation   |  |
- Note:  
1) Legend only shows items visible in the current map extent.

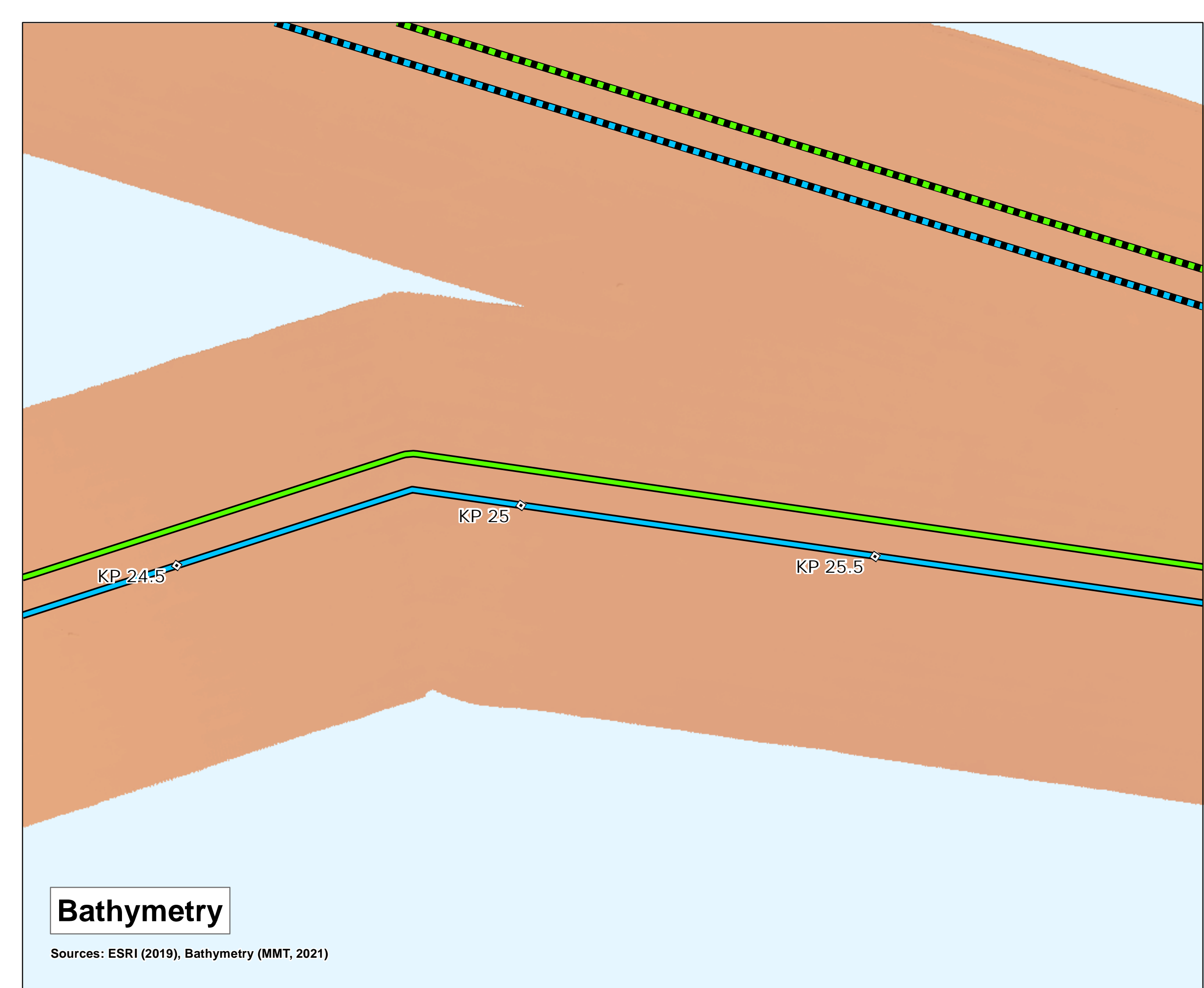
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

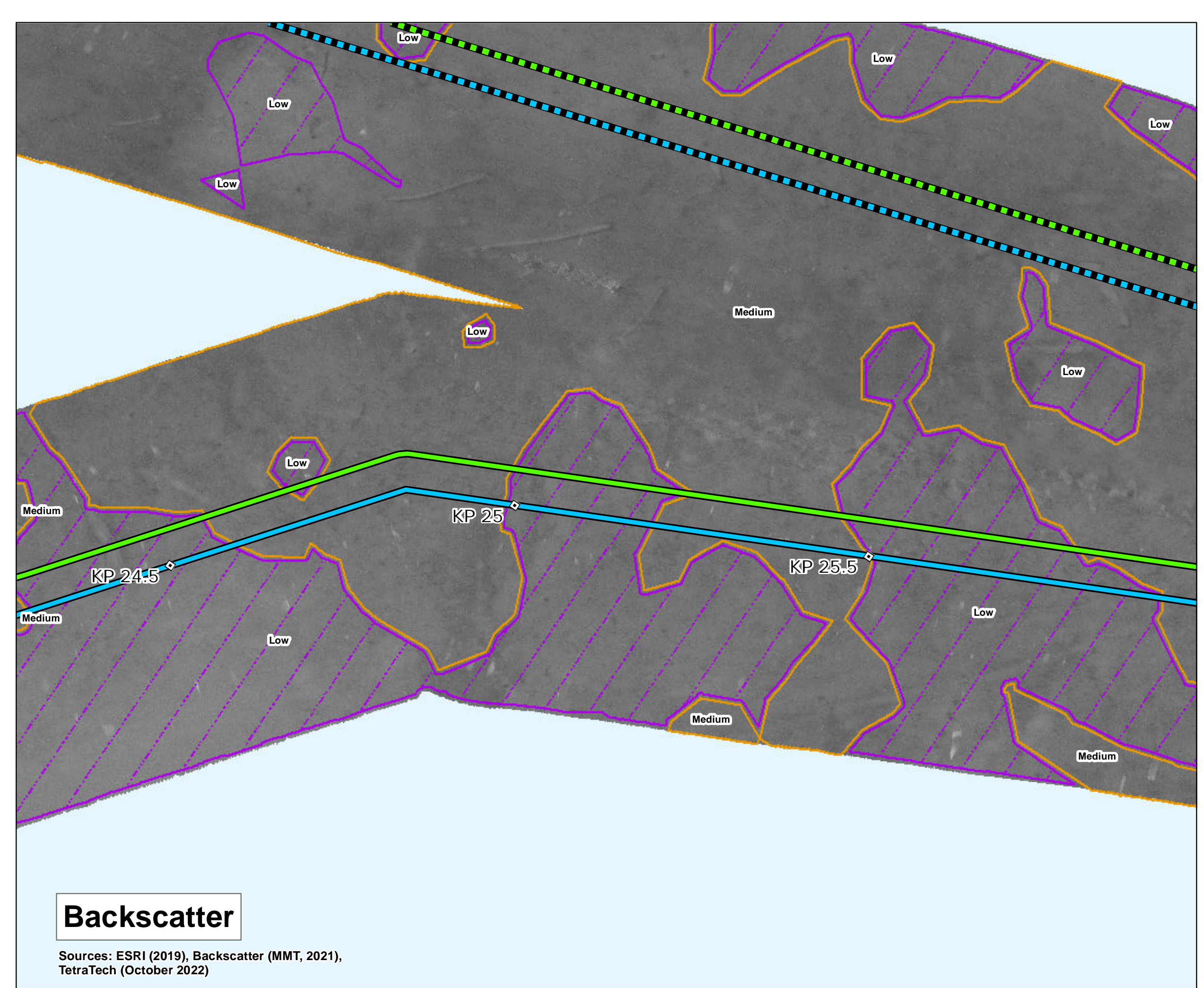
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 17

BW1 (NY) - KP 24.5 - KP 25.5  
BW2 (NY) - KP 24.5 - KP 25.5  
BW2 (CT) - N/A



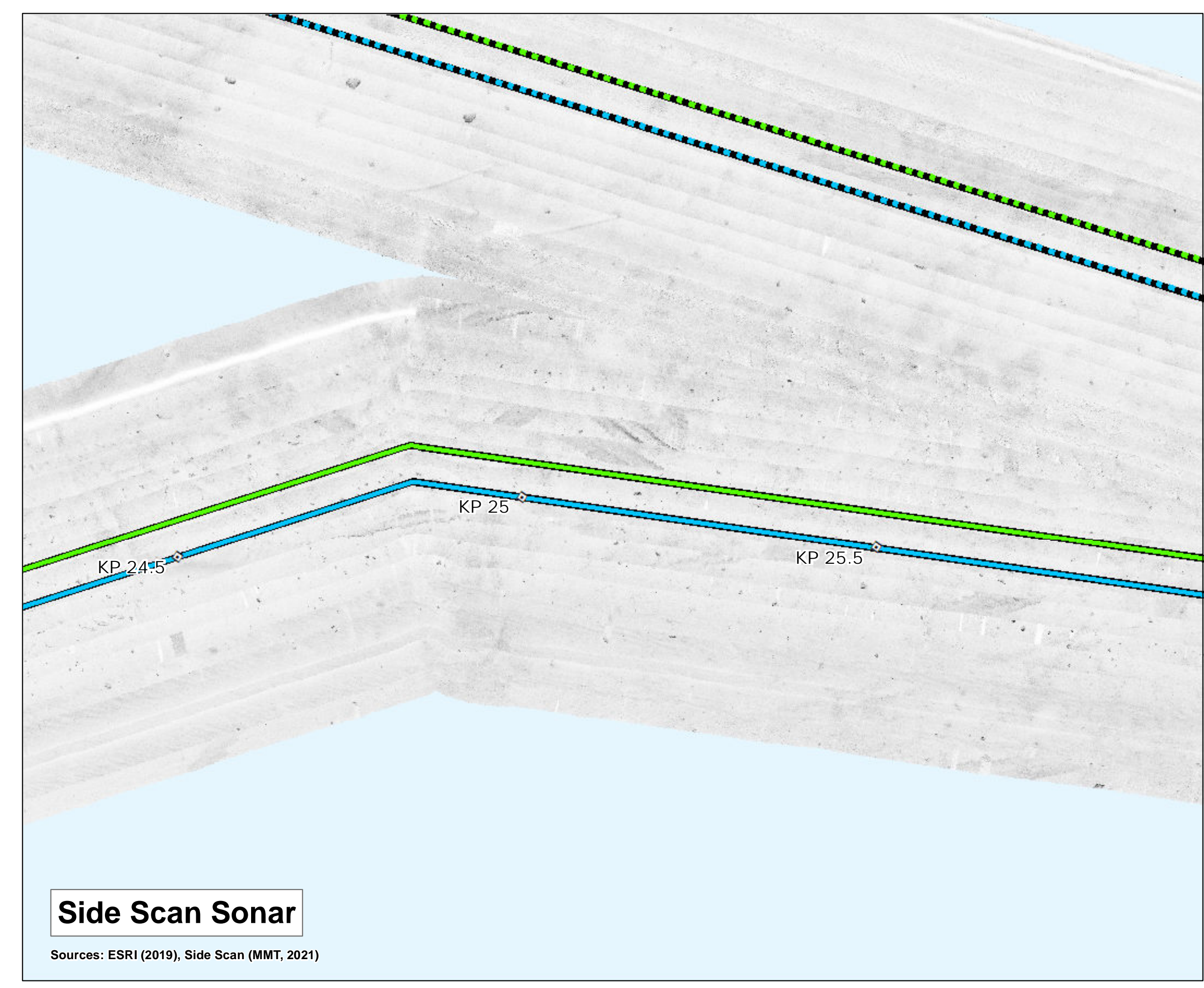
**Bathymetry**

Sources: ESRI (2019), Bathymetry (MMT, 2021)



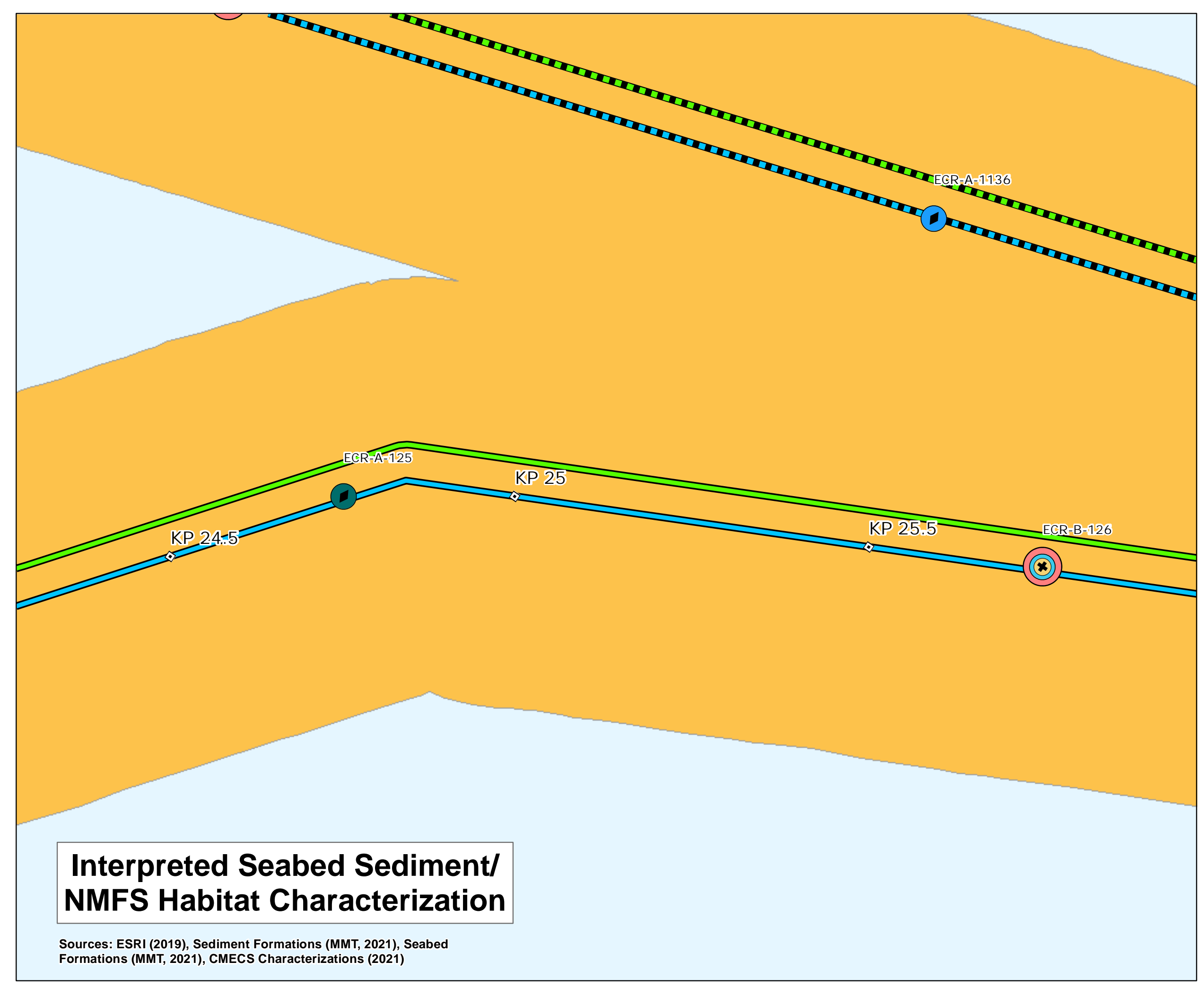
**Backscatter**

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



**Side Scan Sonar**

Sources: ESRI (2019), Side Scan (MMT, 2021)

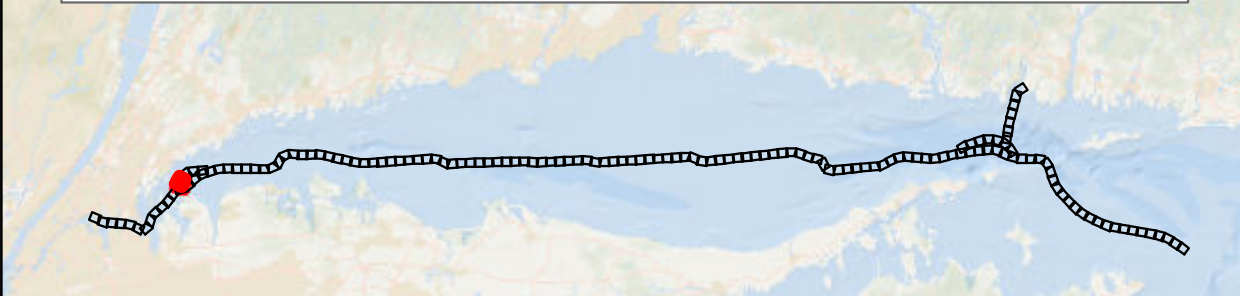


**Interpreted Seabed Sediment/  
NMFS Habitat Characterization**

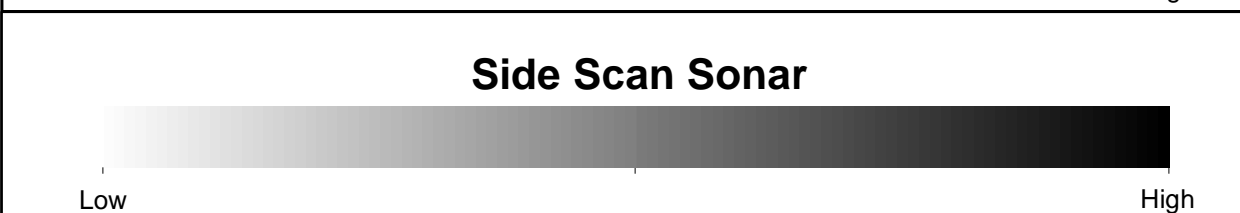
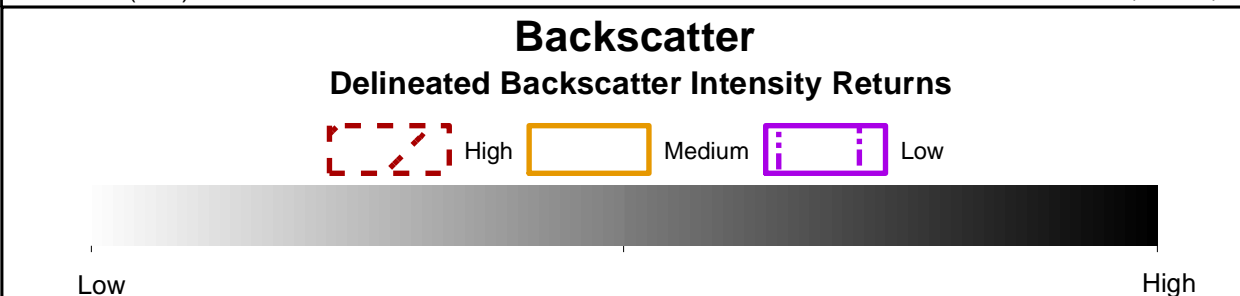
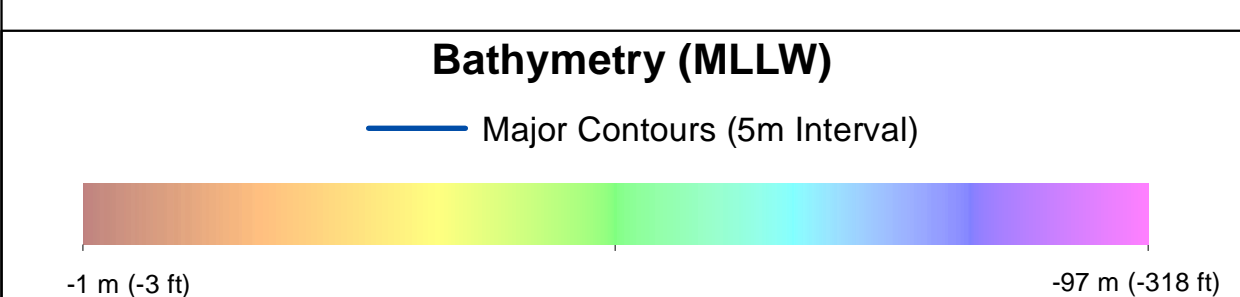
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



**Map Book Package for Submarine Export Cable Route in State Waters**



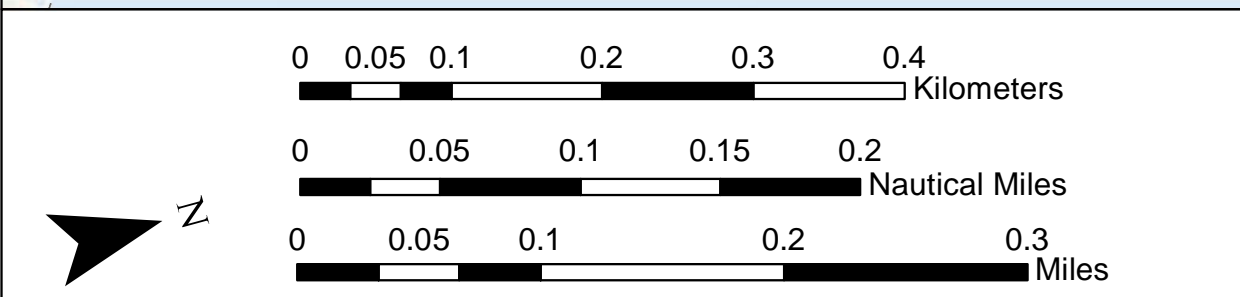
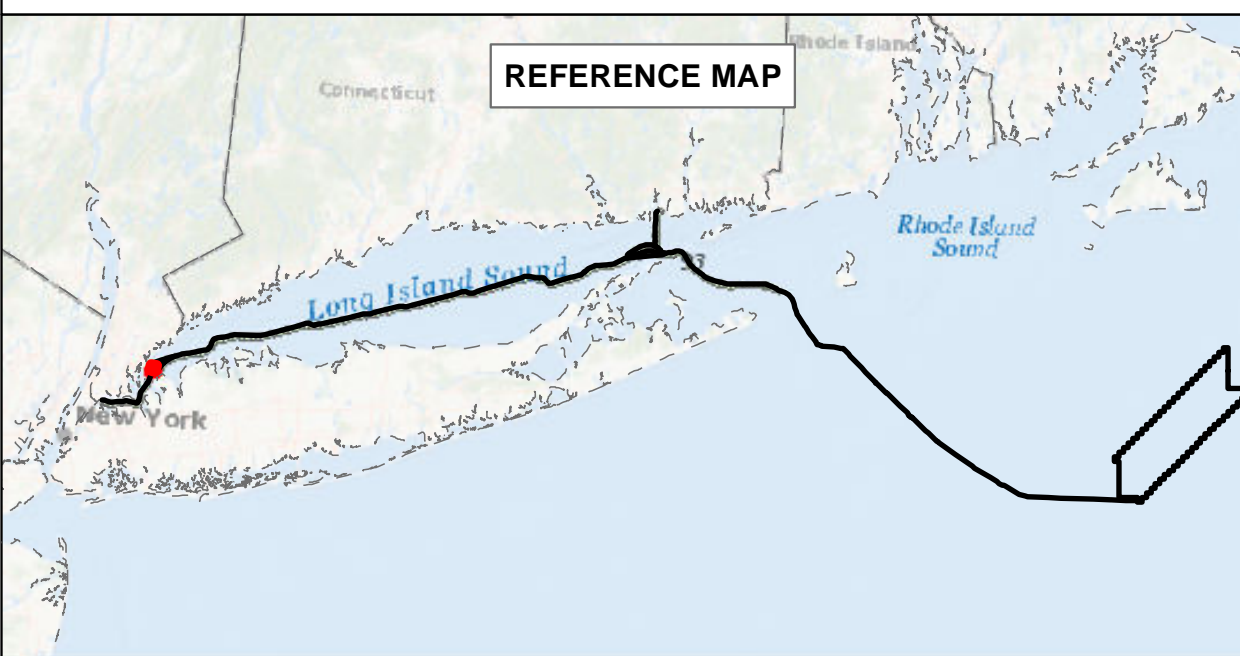
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |  |  |   |
|--|--|---|
| <b>Station Type</b>  | <span style="color: orange;">+</span> Grab and Video   | <span style="background-color: orange; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mixed Sediment/Complex Habitat                   |
| <b>CMECS Biotic</b>  | <span style="color: yellow;">●</span> Soft Sediment Fauna  | <span style="background-color: gray; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Till/Complex Habitat                               |
| <b>CMECS Substrate</b>   | <span style="color: blue;">●</span> Gravelly Mud   | <span style="background-color: green; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Numerous Boulders/Large Grained Complex Habitat   |
| <b>CMECS Geofom</b>  | <span style="color: red;">●</span> Burrows/Bioturbation  | <span style="background-color: green; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Occasional Boulders/Large Grained Complex Habitat |
| <b>Benthic Features</b>  | <span style="color: purple;">⊗</span> Subsea Structure   |   |
| <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> | <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mud and Sandy Mud/Soft Bottom Habitat |   |

Note: 1) Legend only shows items visible in the current map extent.

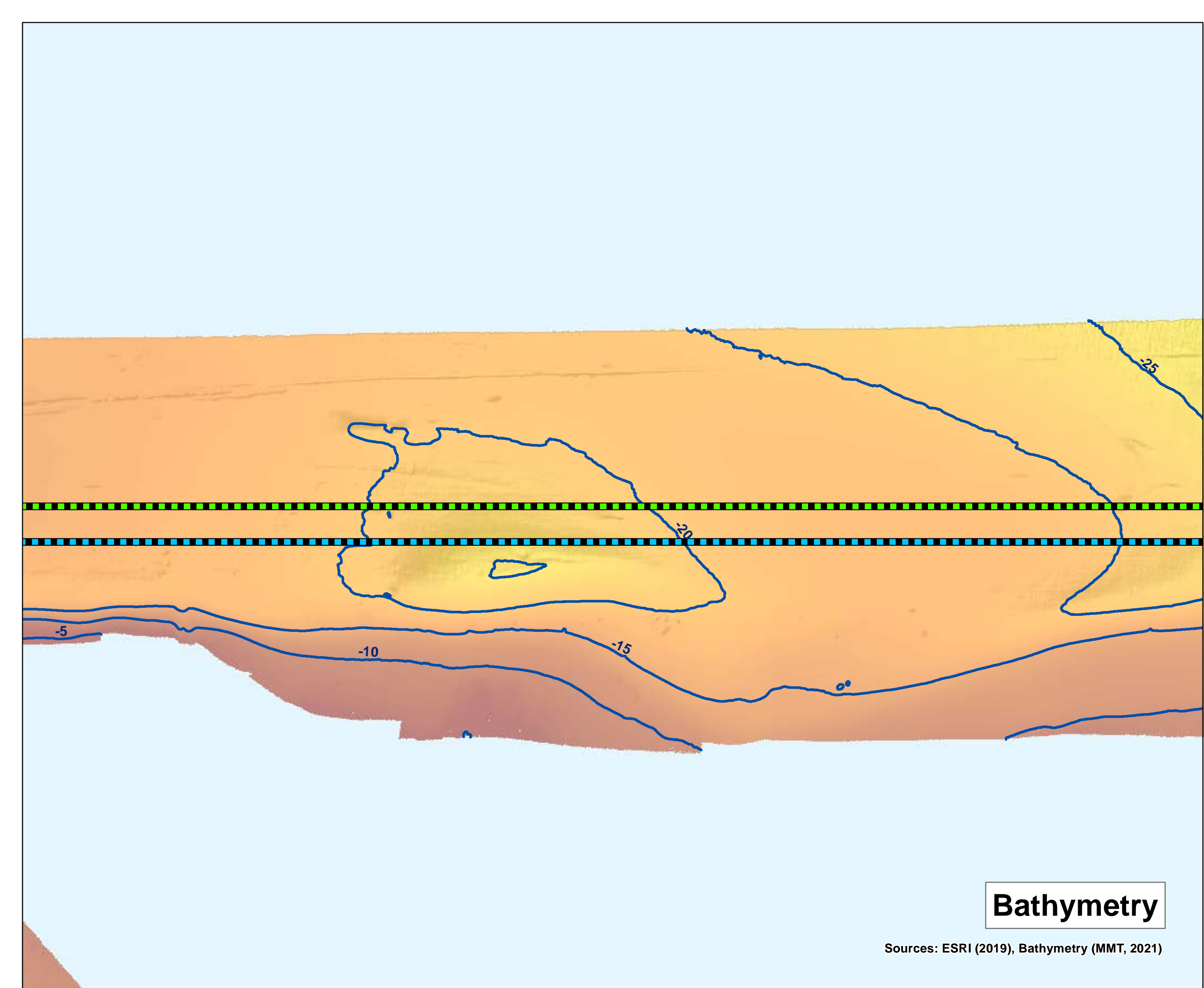
Prepared by: AECOM Scale: 1:5000  
 Date: 3/1/2023



**BEACON WIND LEASE AREA OCS-A 0520**

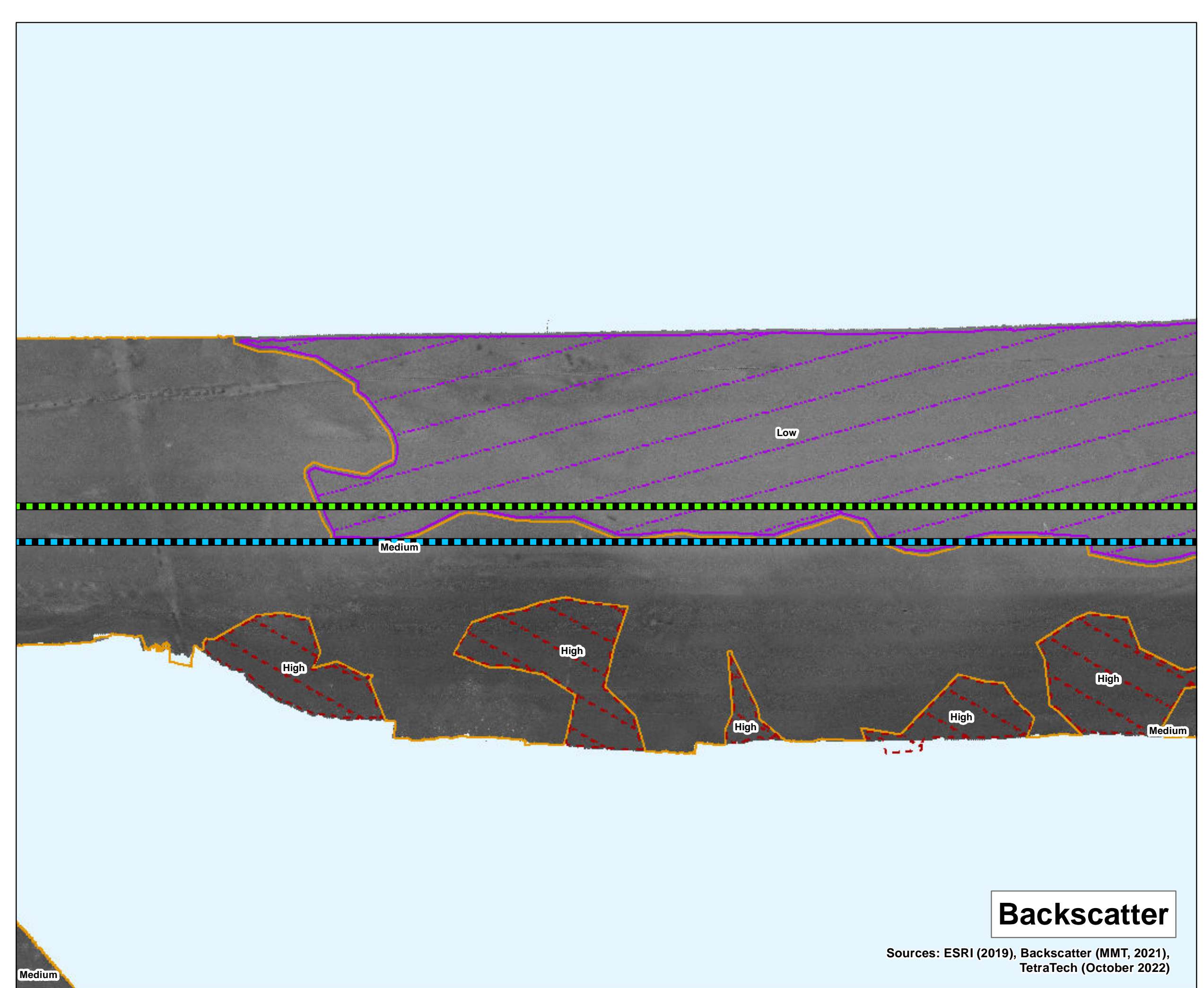
Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 18

BW1 (NY) - N/A  
 BW2 (NY) - N/A  
 BW2 (CT) - N/A



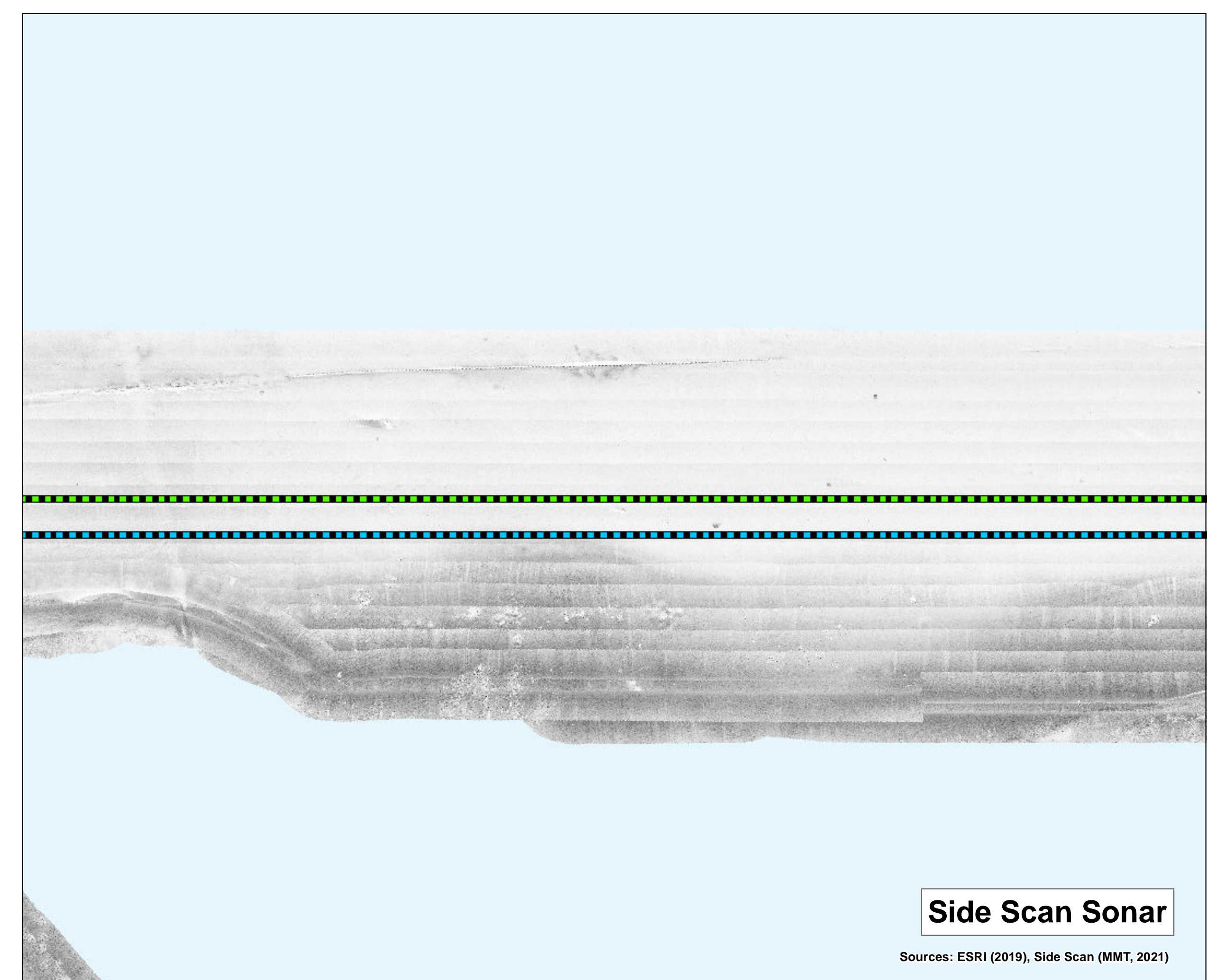
**Bathymetry**

Sources: ESRI (2019), Bathymetry (MMT, 2021)



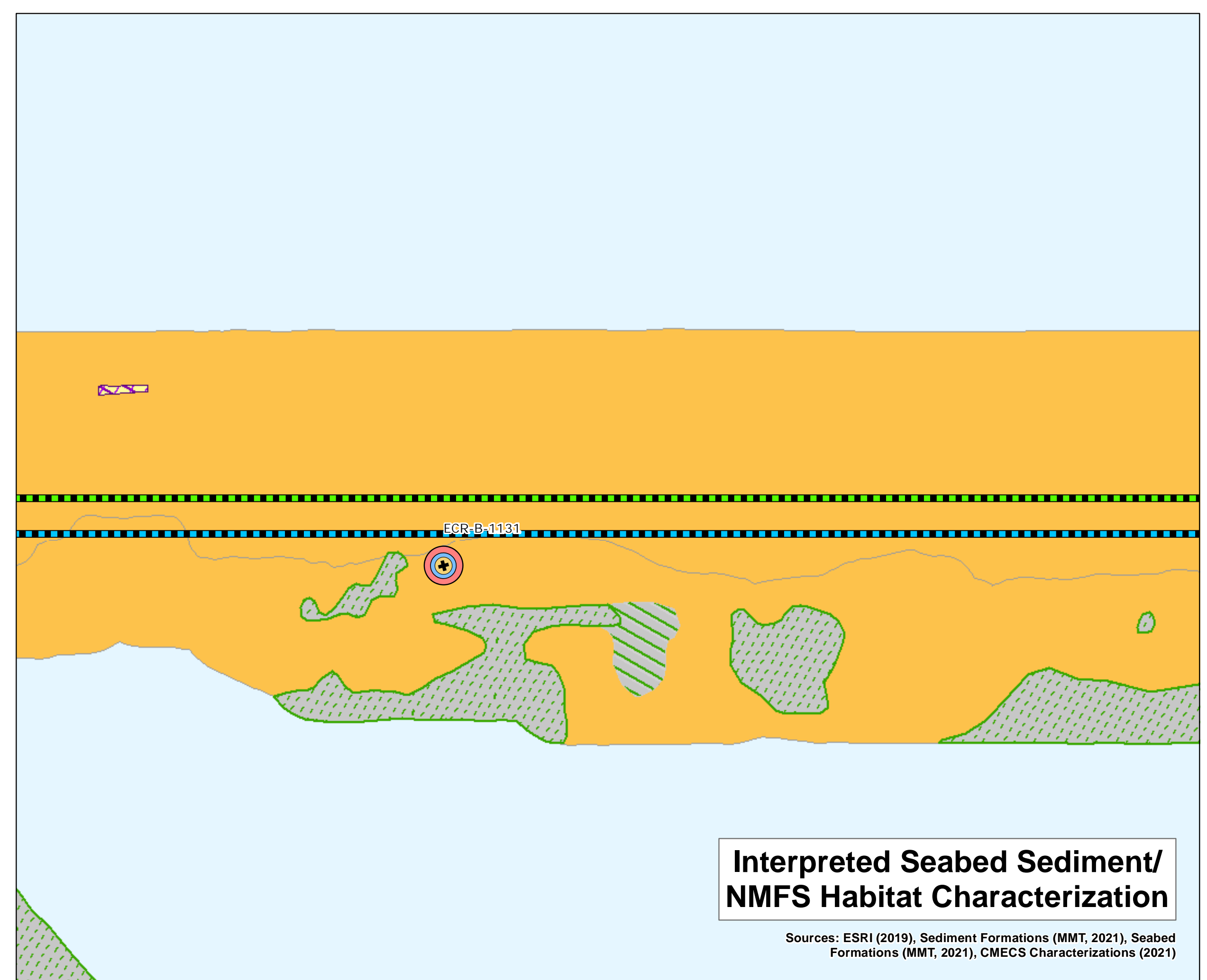
**Backscatter**

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



**Side Scan Sonar**

Sources: ESRI (2019), Side Scan (MMT, 2021)



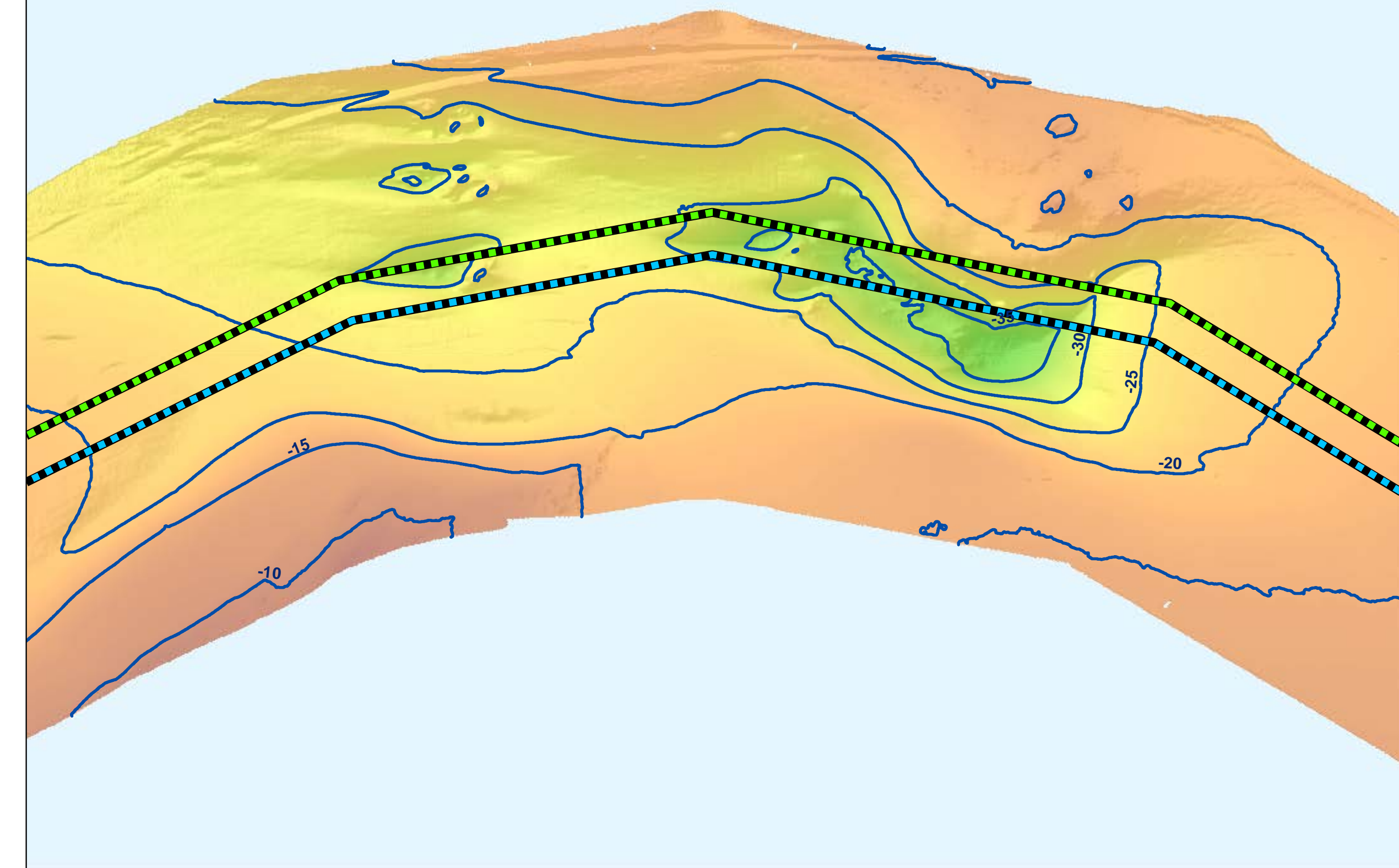
**Interpreted Seabed Sediment/  
NMFS Habitat Characterization**

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



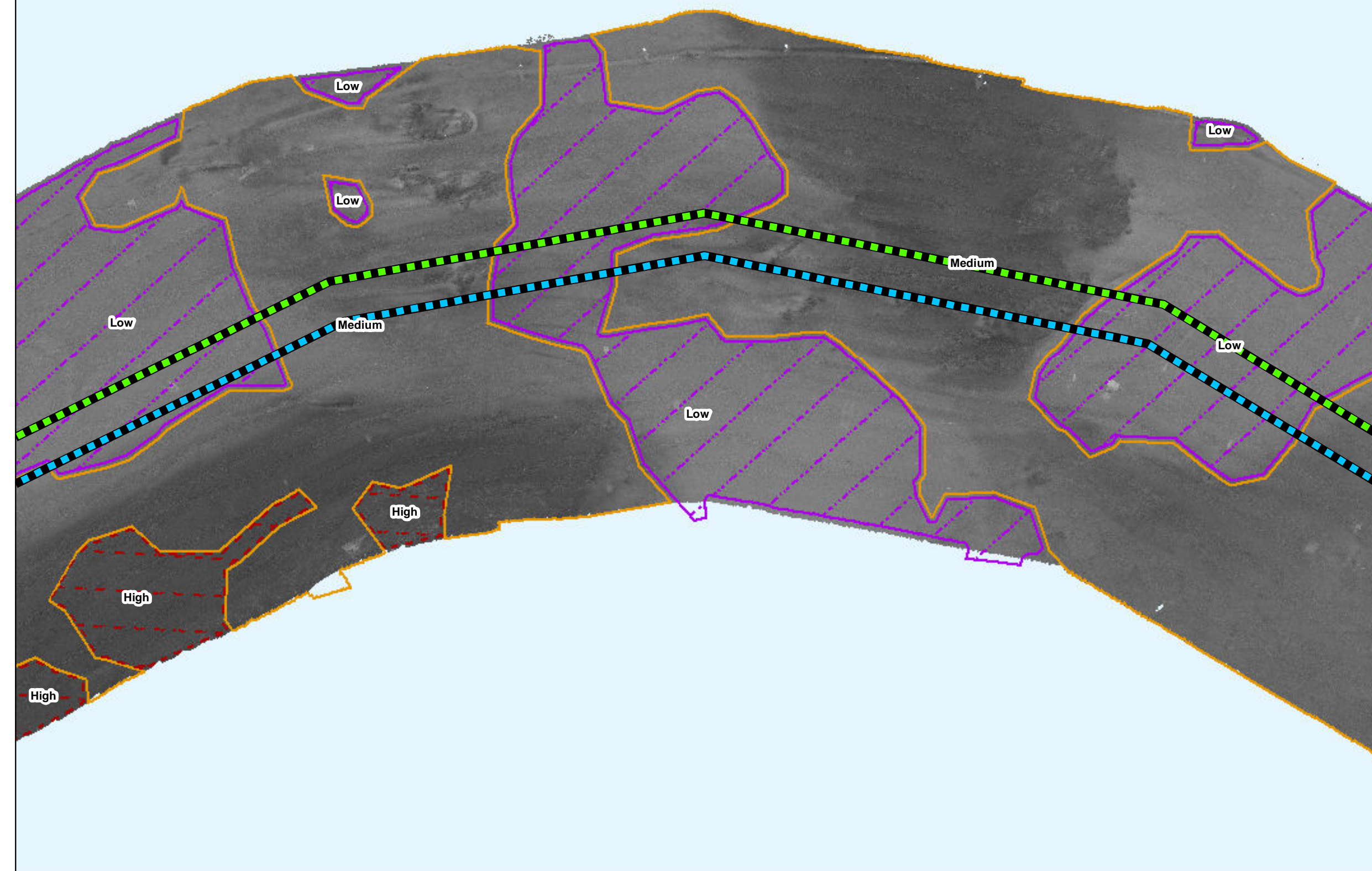
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



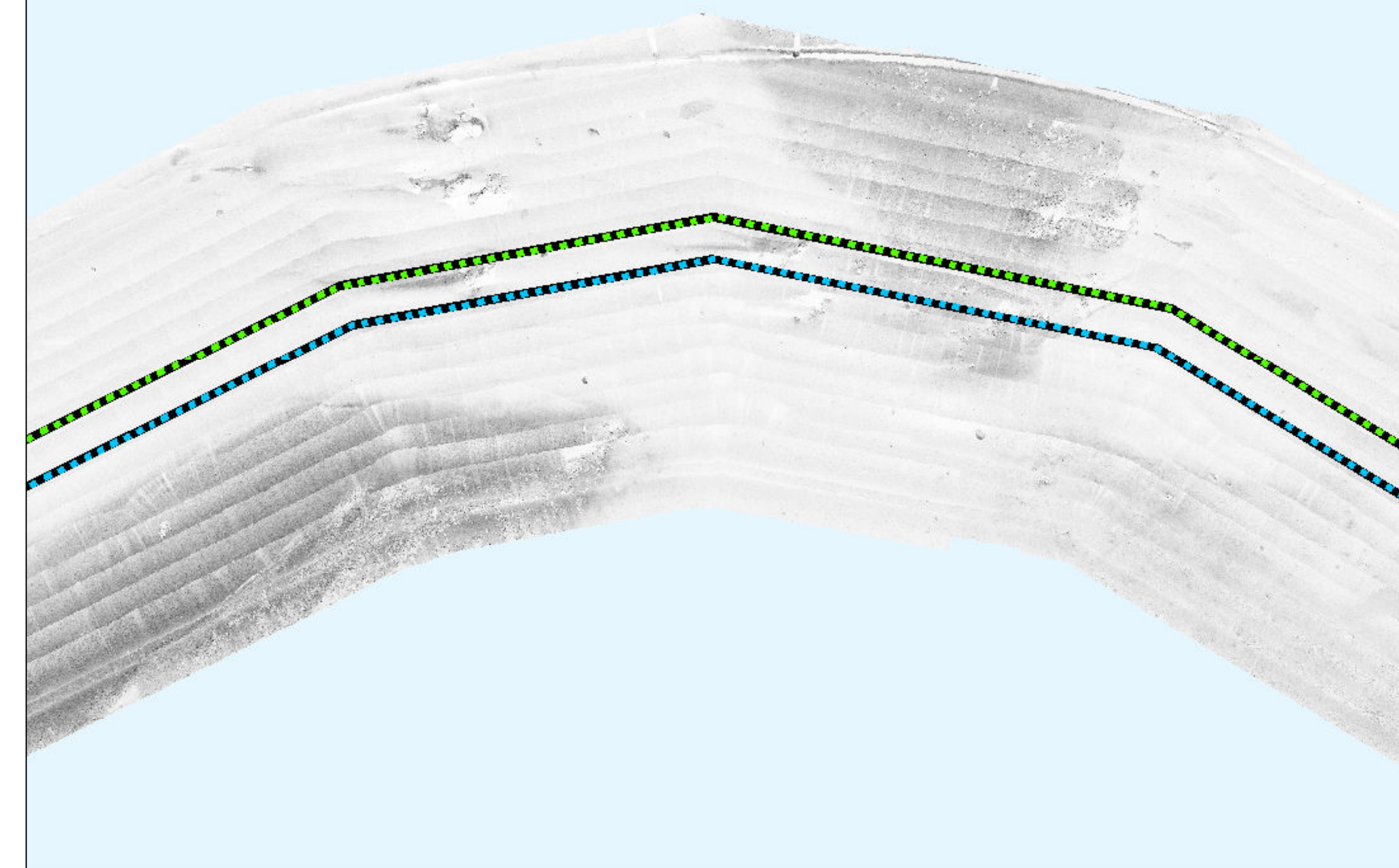
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

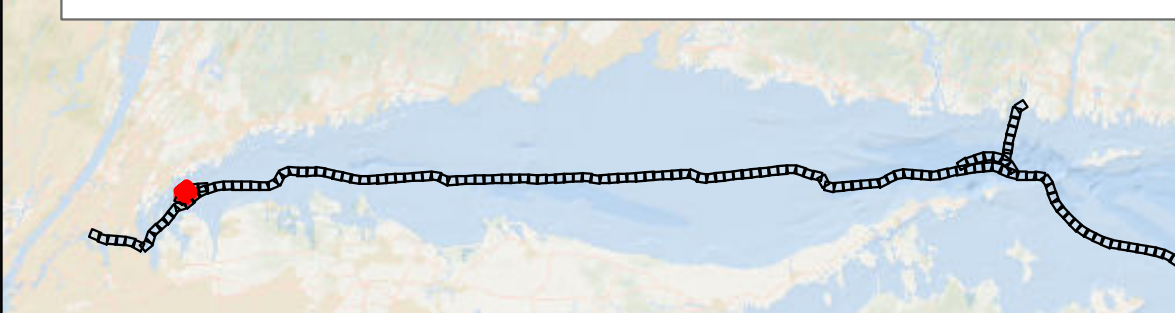


### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

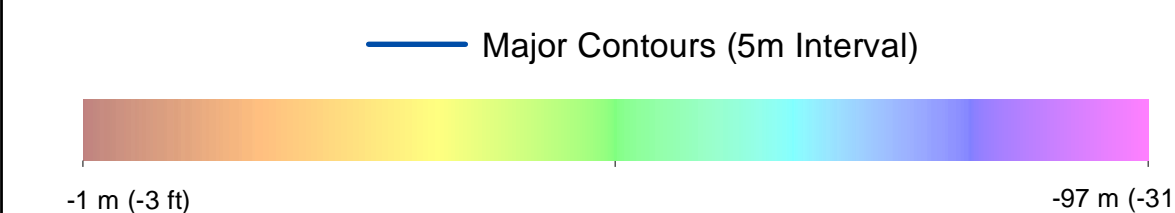


### Map Book Package for Submarine Export Cable Route in State Waters

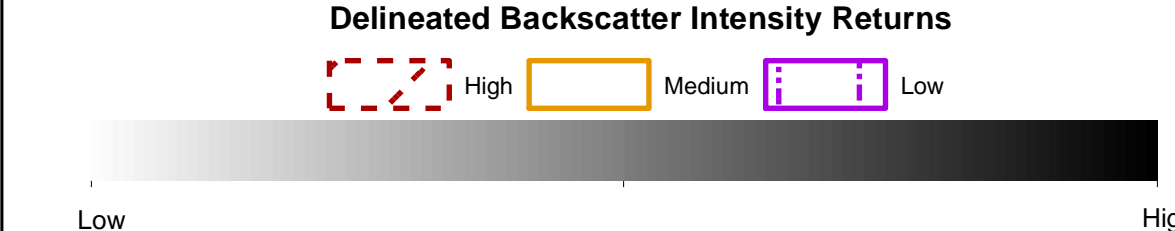


- ▬ BW1 Submarine Export Cable Route - Variant (v13)
- ▬ BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

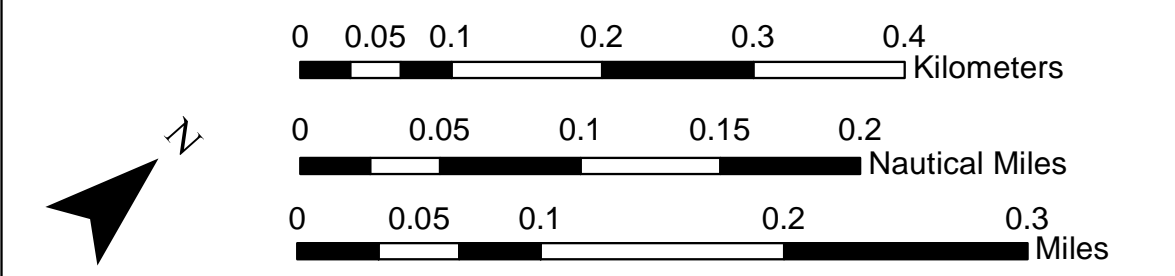
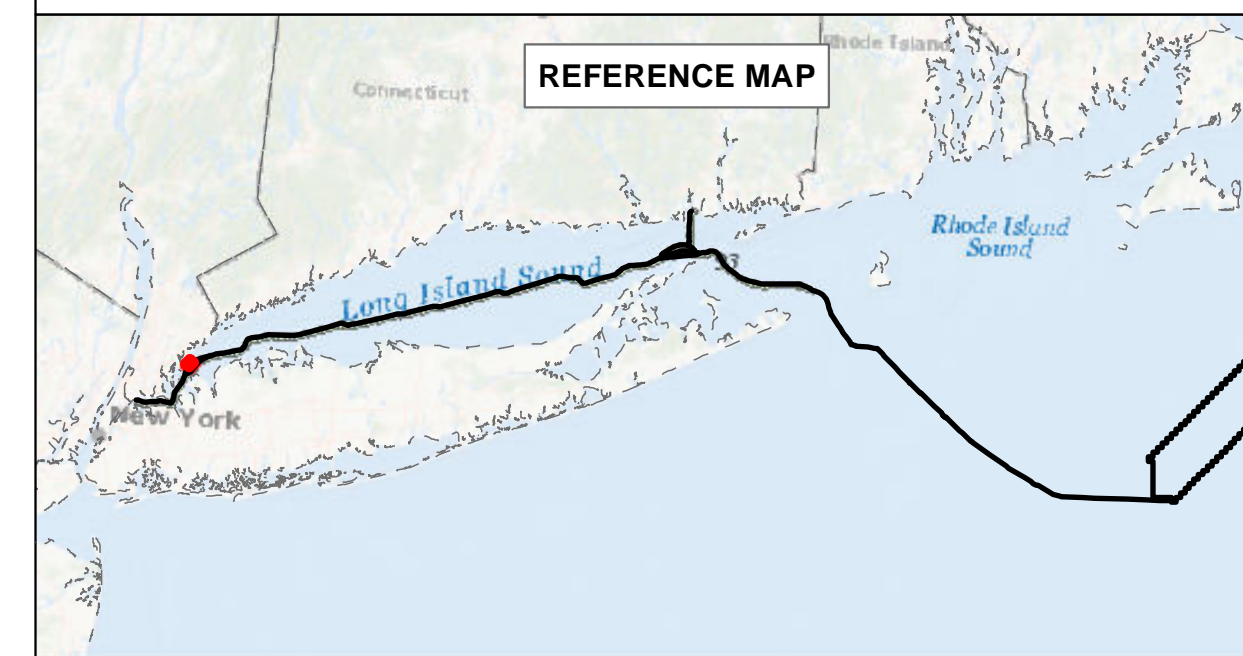


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | Mixed Sediment/Complex Habitat                                   |
| ◆ SPI/PV               | Till/Complex Habitat   |
| <b>CMECS Biotic</b>    | Numerous Boulders/Large Grained Complex Habitat                  |
| ● Large Macrofauna     | Occasional Boulders/Large Grained Complex Habitat                |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Mud                  |  |
| <b>CMECS Geoform</b>   |  |
| ● Boulder Field        |  |
| ○ Northern Star Coral  |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

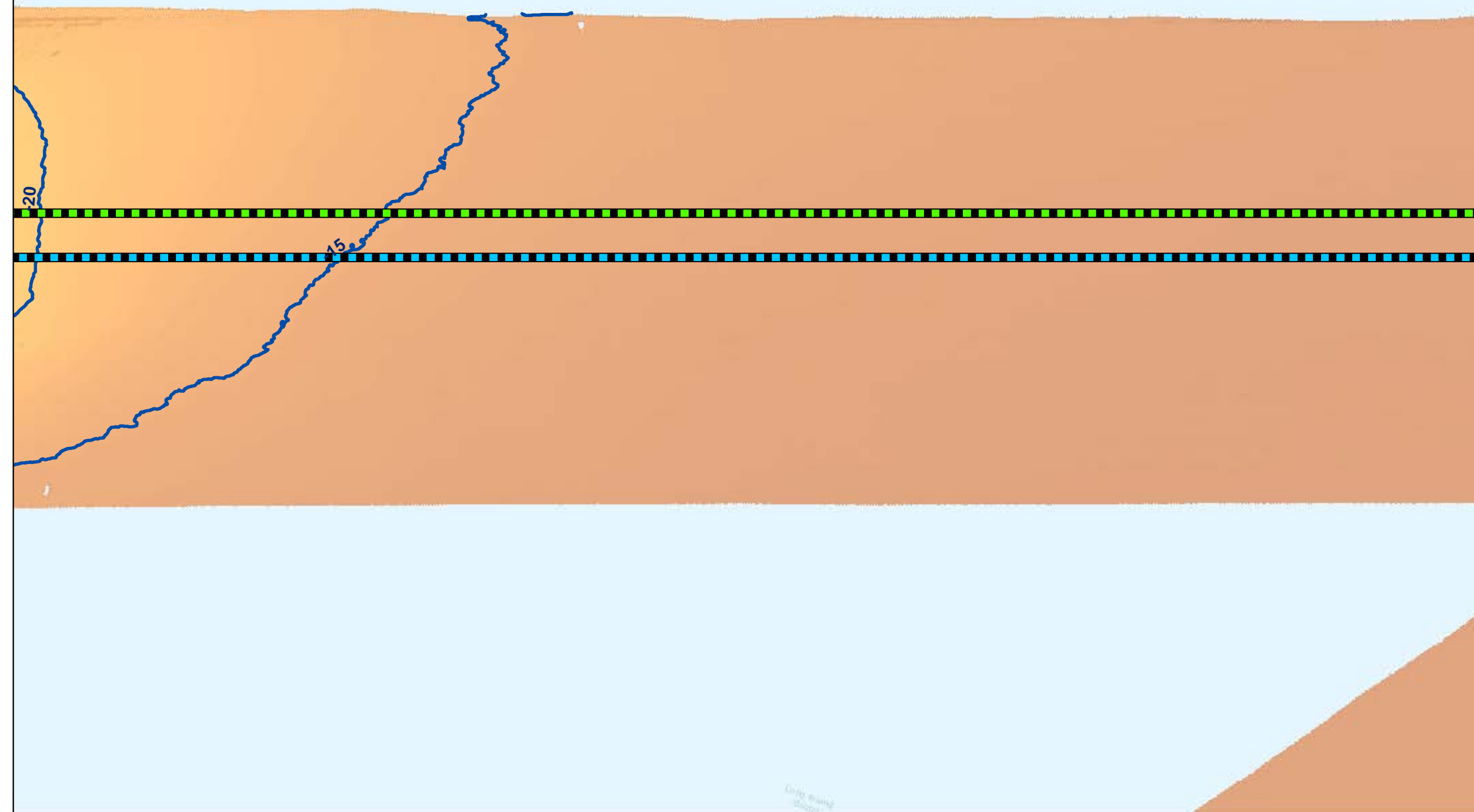


**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 19  
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A



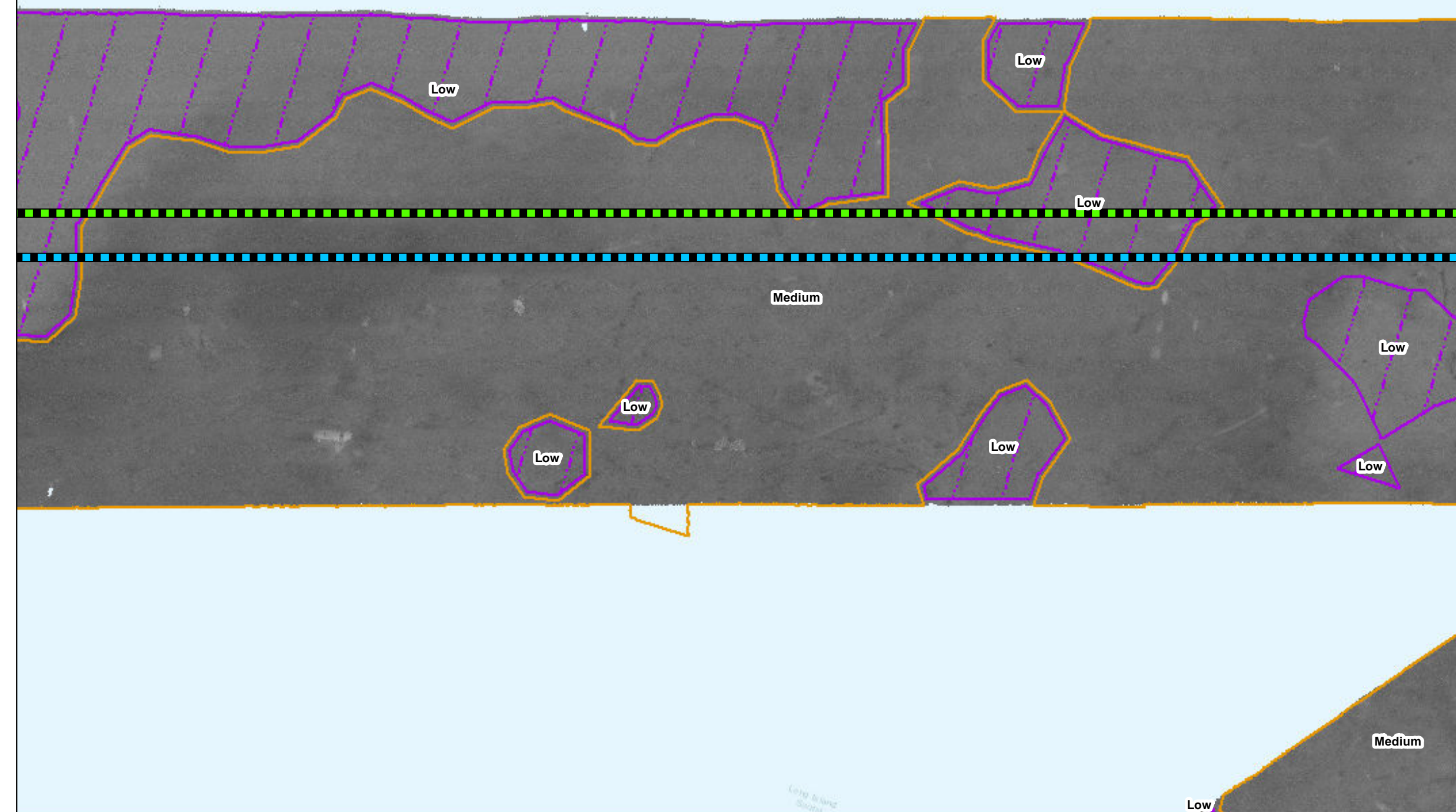
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



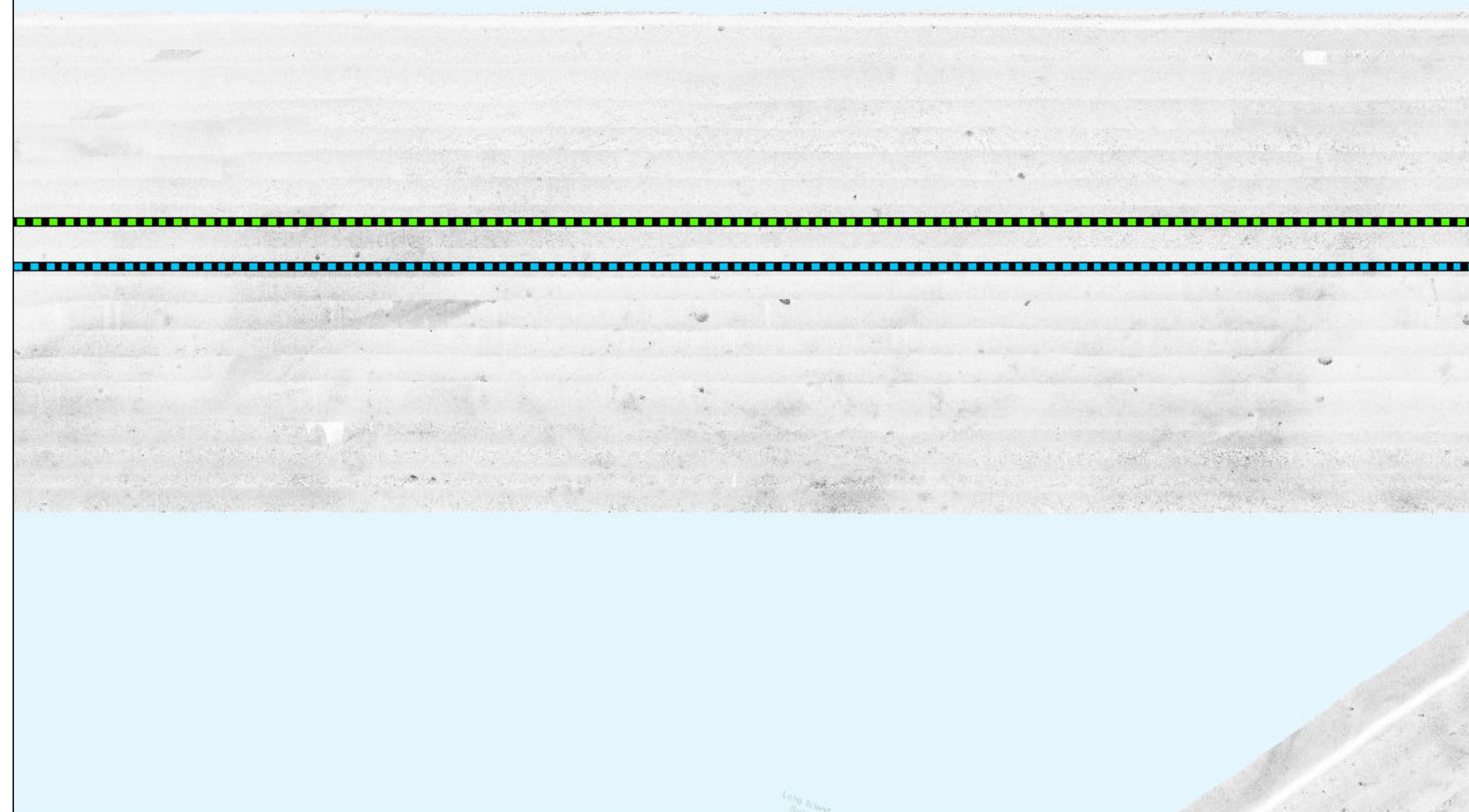
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



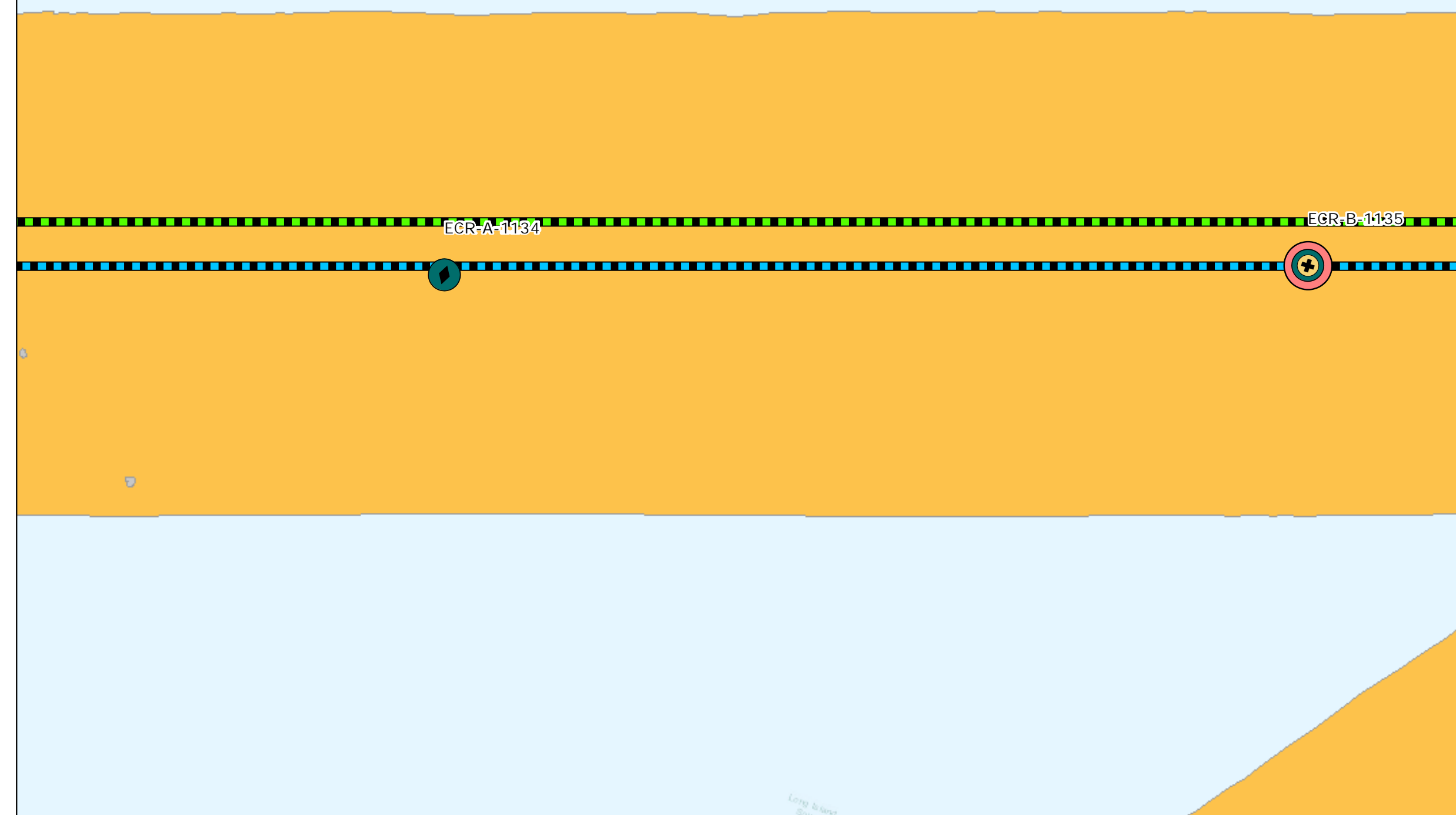
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

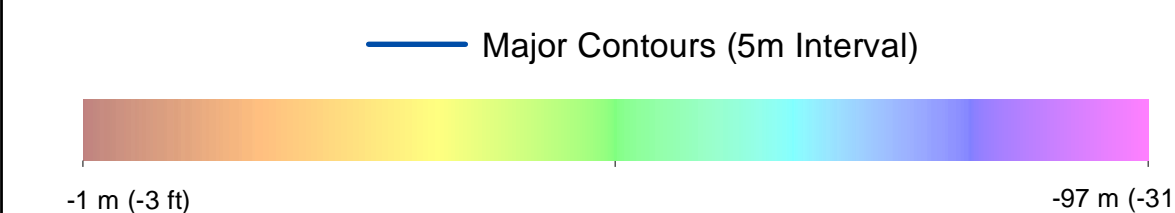


### Map Book Package for Submarine Export Cable Route in State Waters

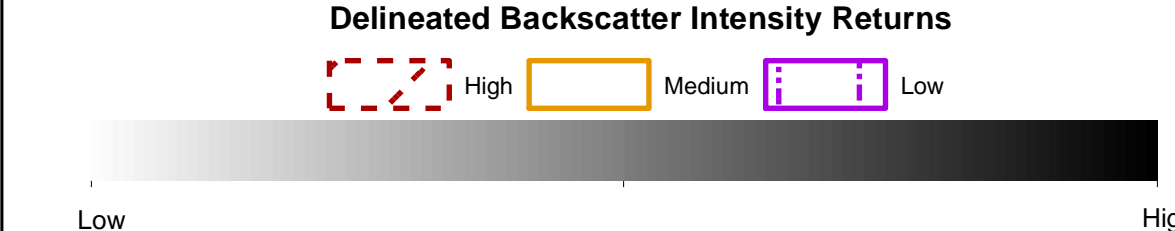


- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

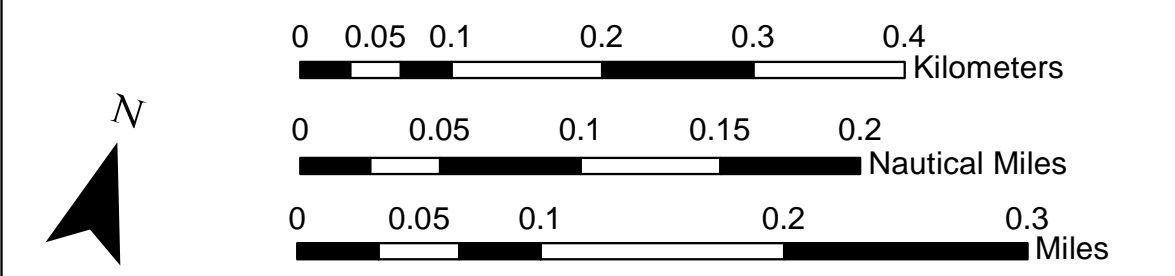
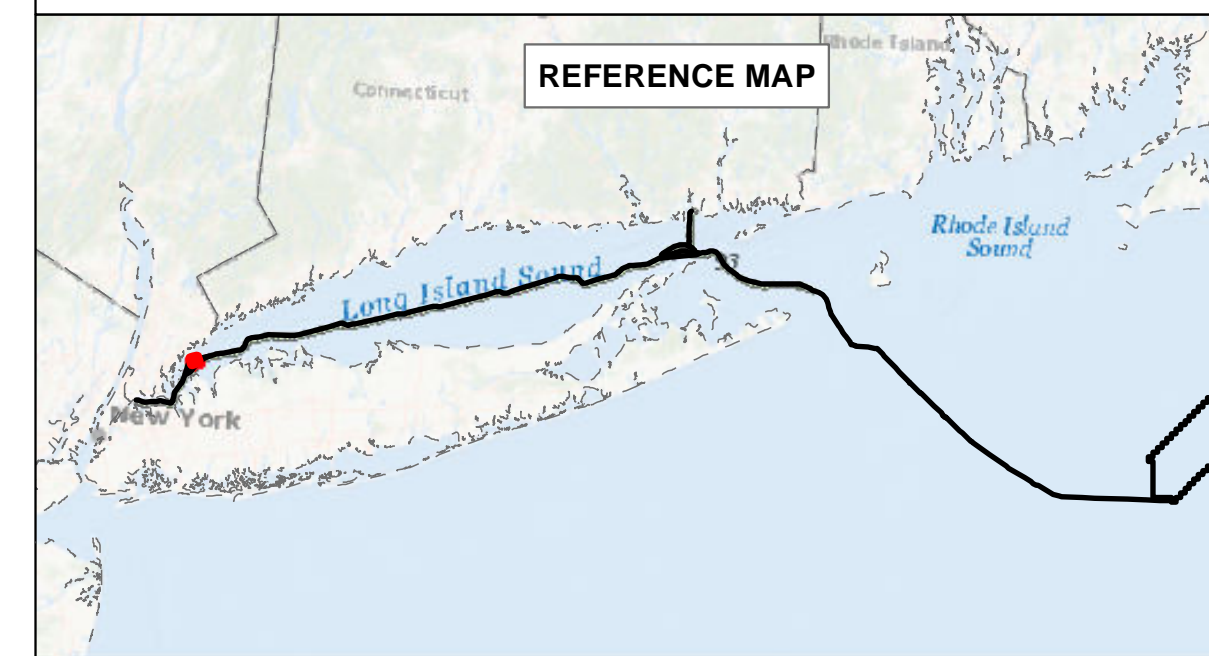


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - Grab and Video
  - SPI/PV
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Sandy Mud
- CMECS Geoform**
  - Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mixed Sediment/Complex Habitat
  - Till/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

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Date: 3/1/2023  
Scale: 1:5000

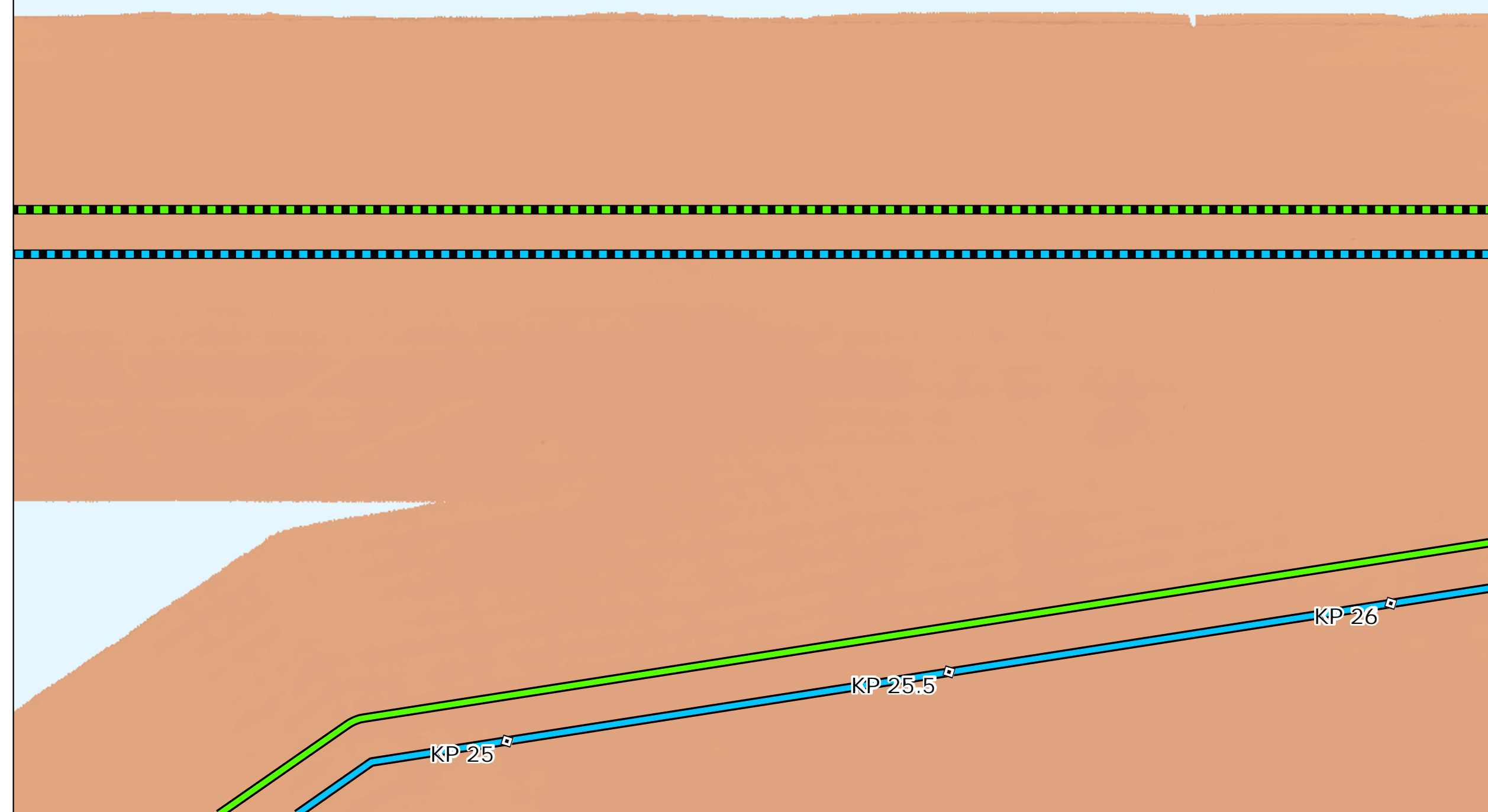


**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 20  
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A



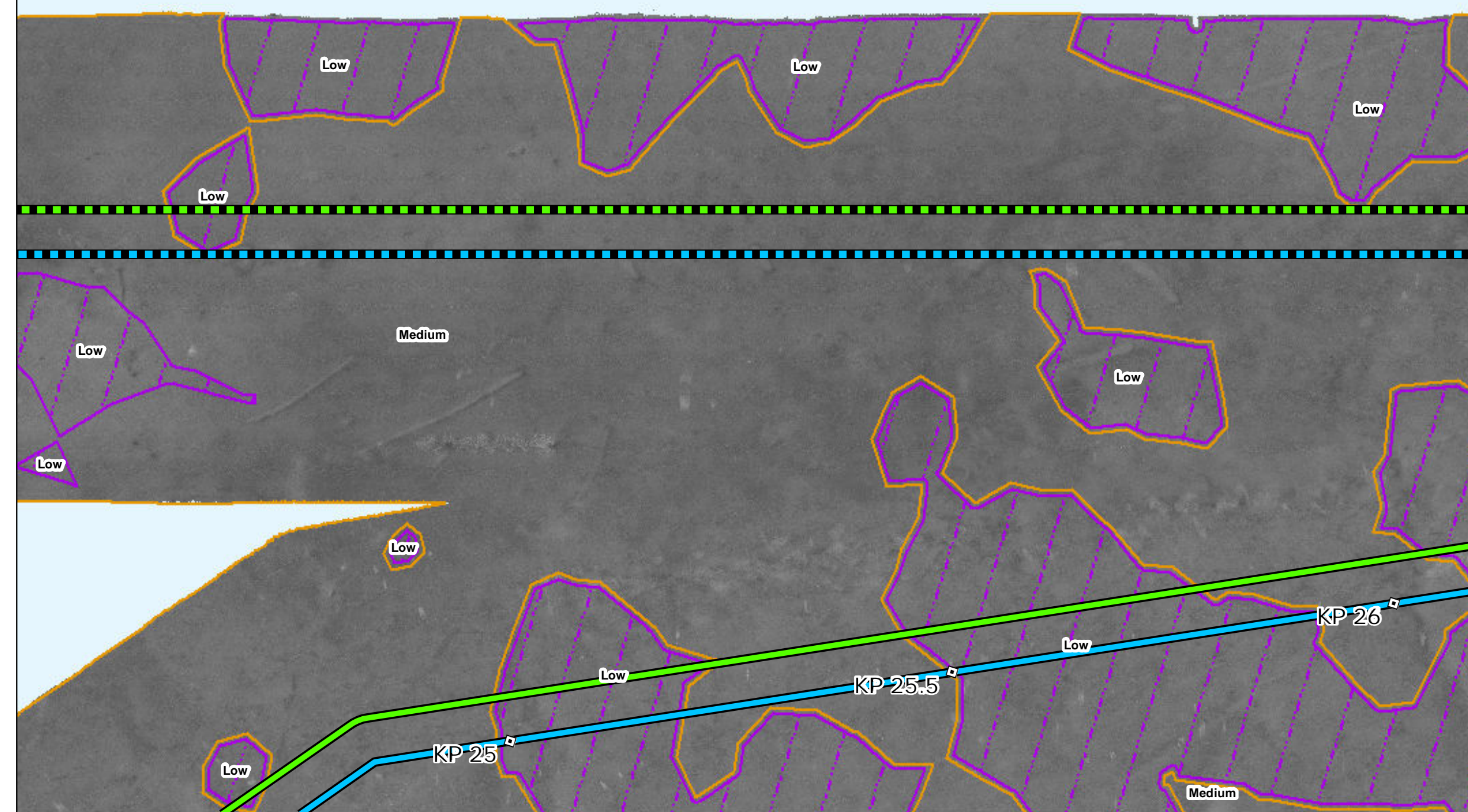
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



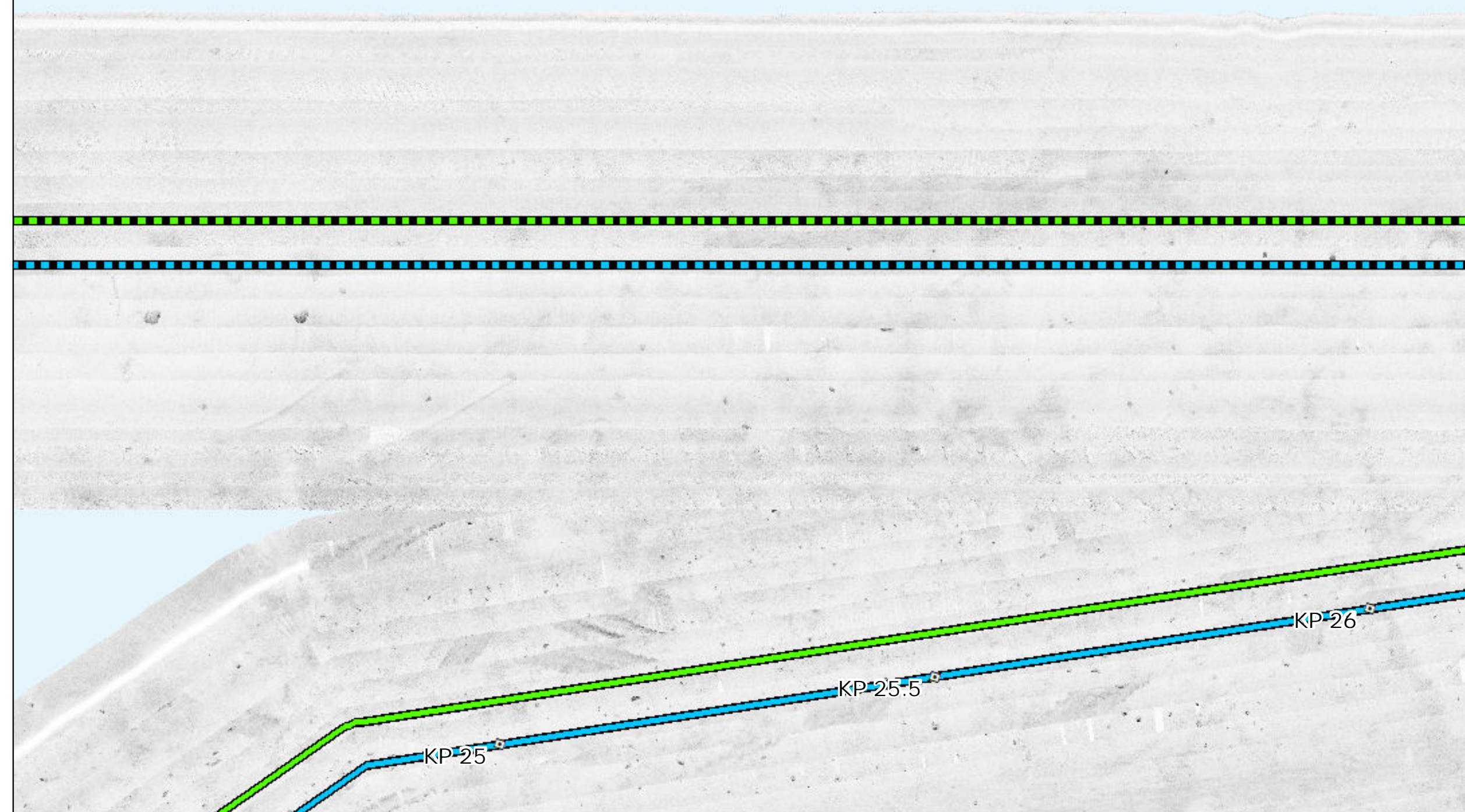
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



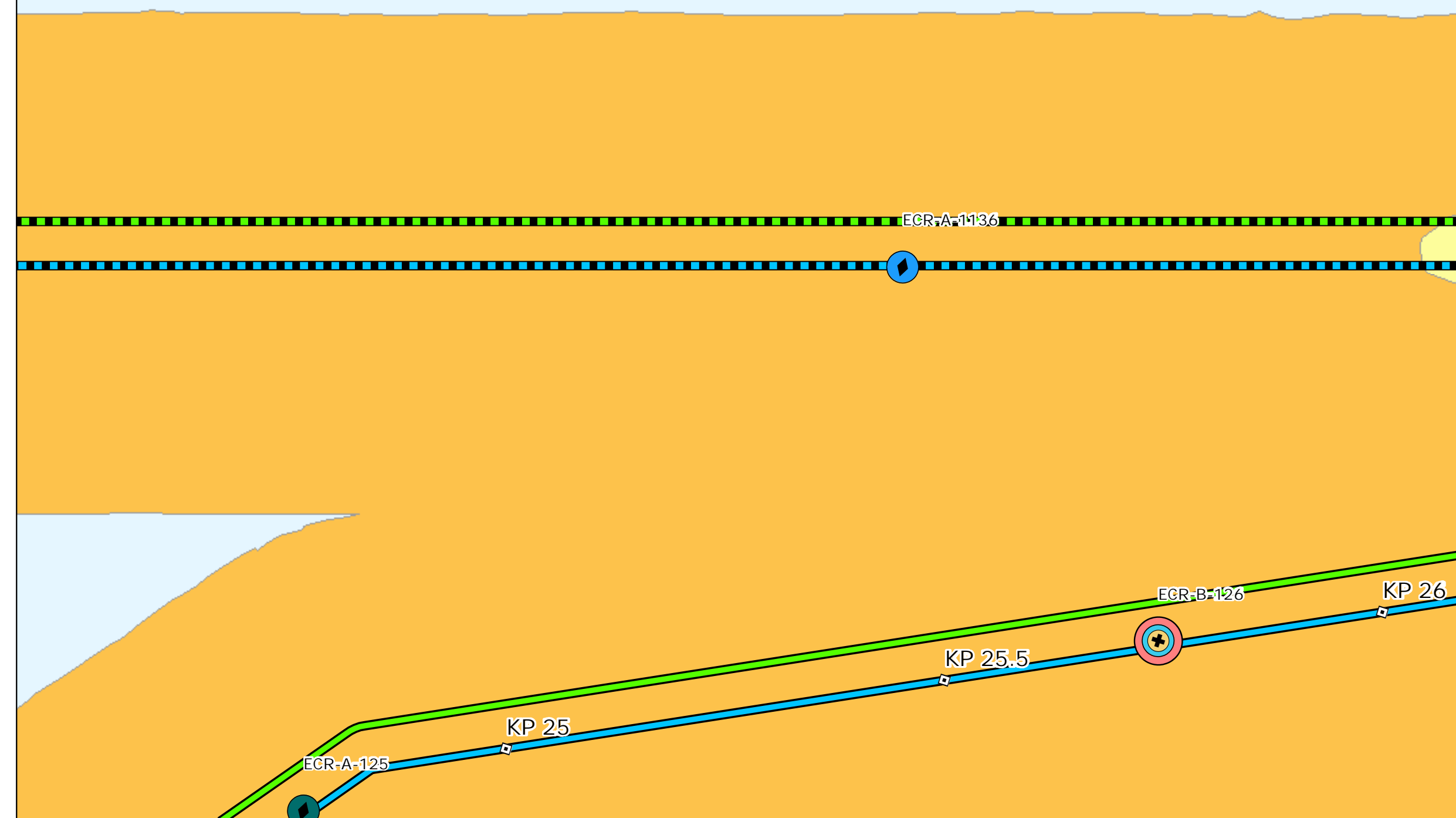
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

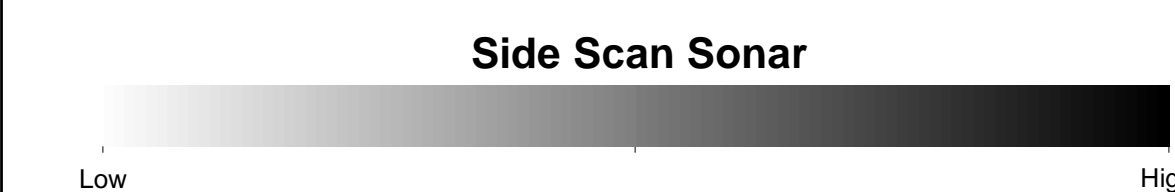
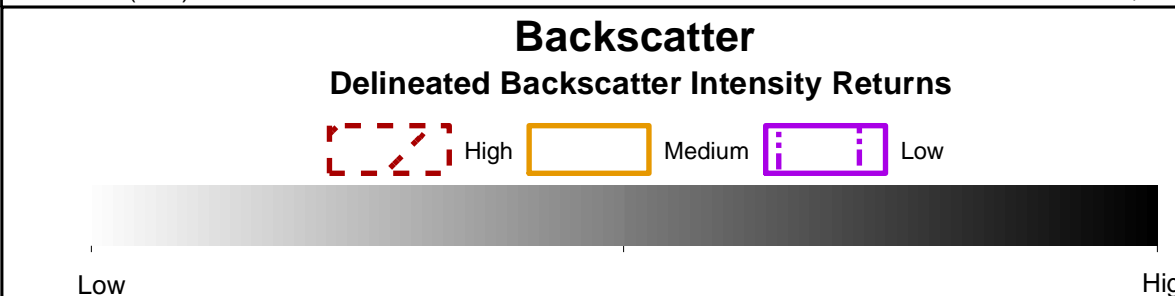
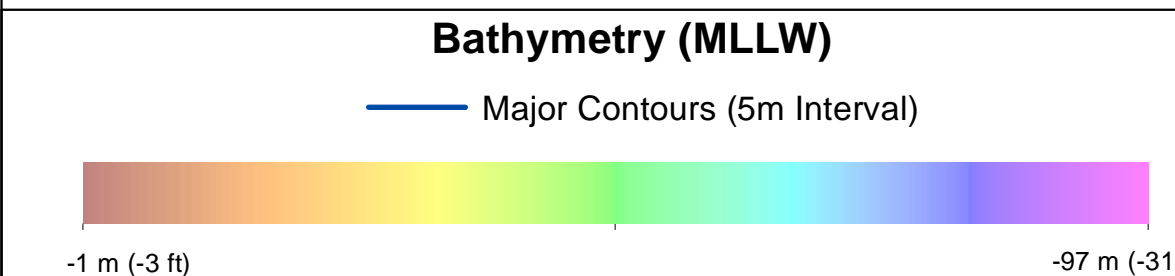
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

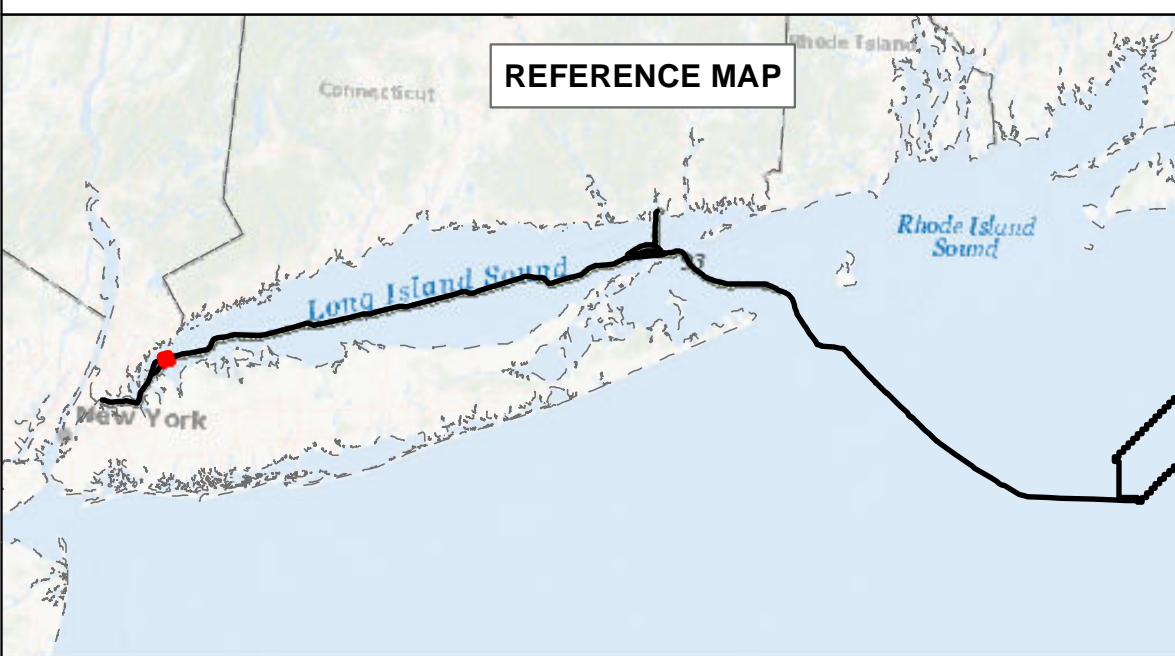


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| Grab and Video         | Mud and Sandy Mud/Soft Bottom Habitat                            |
| SPI/PV                 | Mixed Sediment/Complex Habitat                                   |
| <b>CMECS Biotic</b>    |  |
| Soft Sediment Fauna    |  |
| <b>CMECS Substrate</b> |  |
| Gravelly Muddy Sand    |  |
| Mud                    |  |
| Sandy Mud              |  |
| <b>CMECS Geoform</b>   |  |
| Burrows/Bioturbation   |  |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



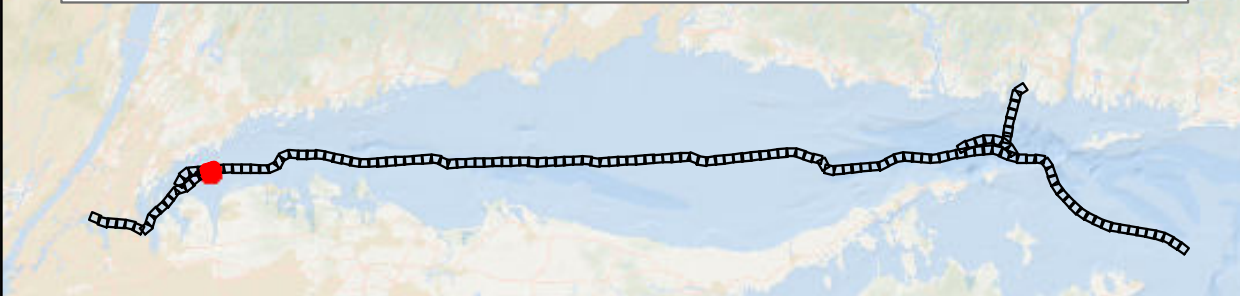
### BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 21

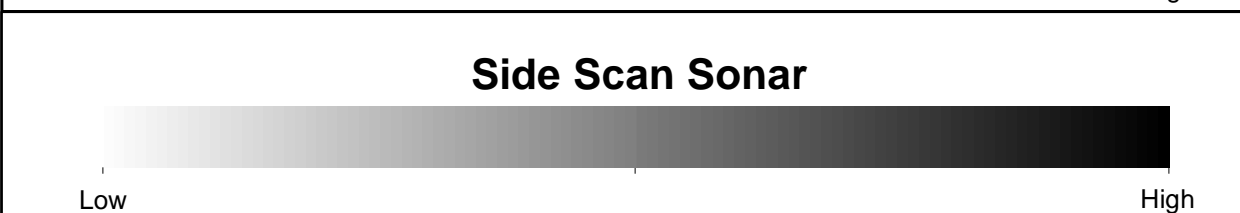
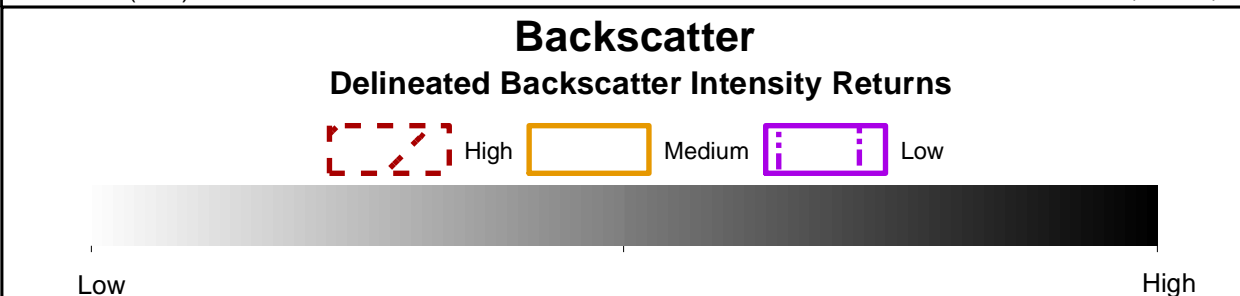
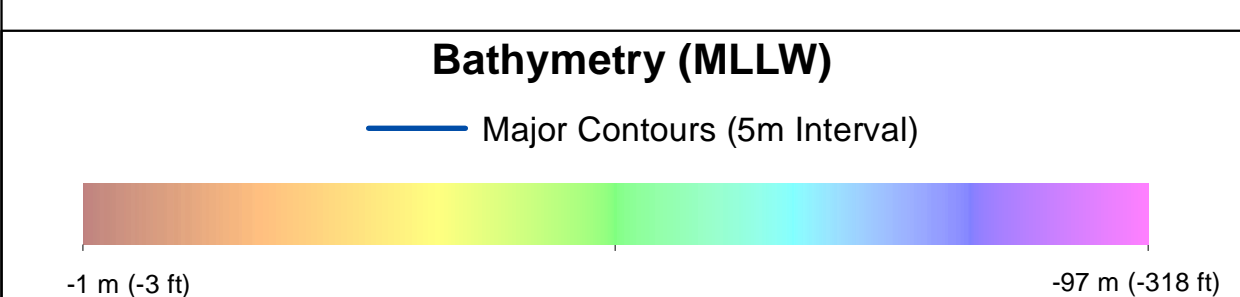
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**

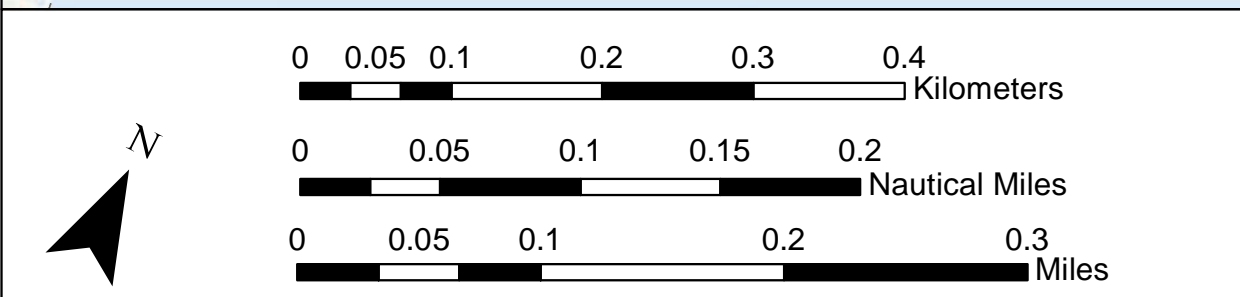
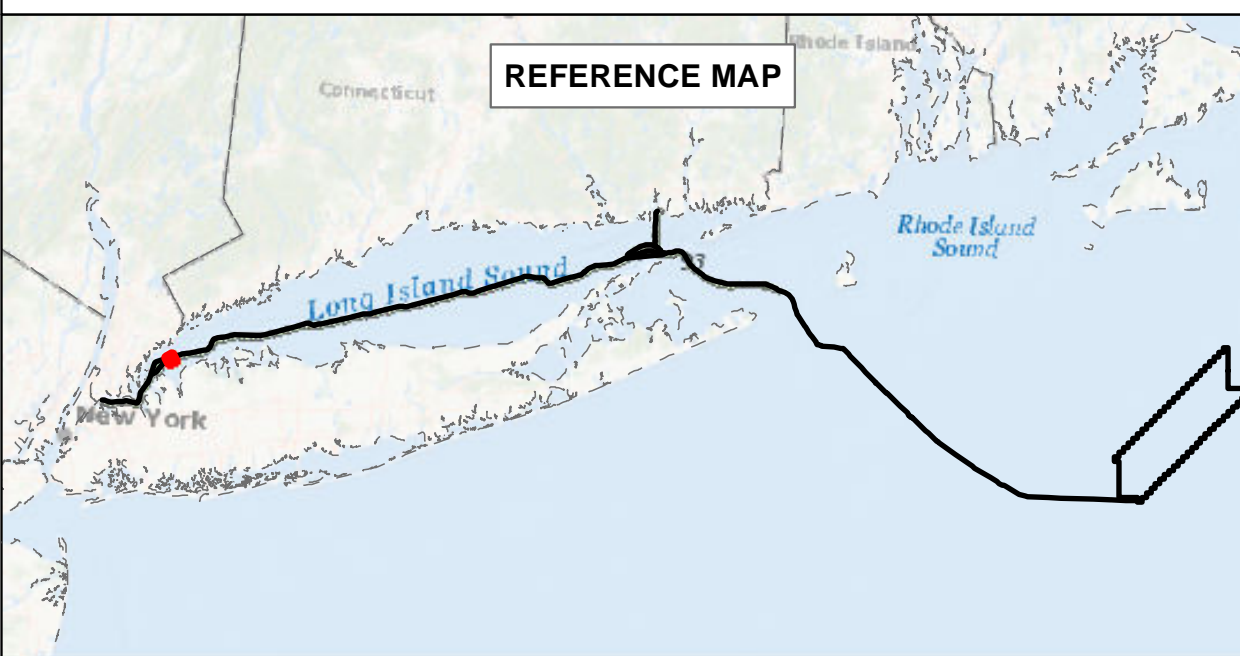


- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)
- BW1 Submarine Export Cable Route - Variant (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- + Grab and Video
  - ◆ SPI/PV
  - Soft Sediment Fauna
- CMECS Biotic**
- Mixed Sediment/Complex Habitat
- CMECS Substrate**
- Gravelly Mud
  - Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
- Note: 1) Legend only shows items visible in the current map extent.

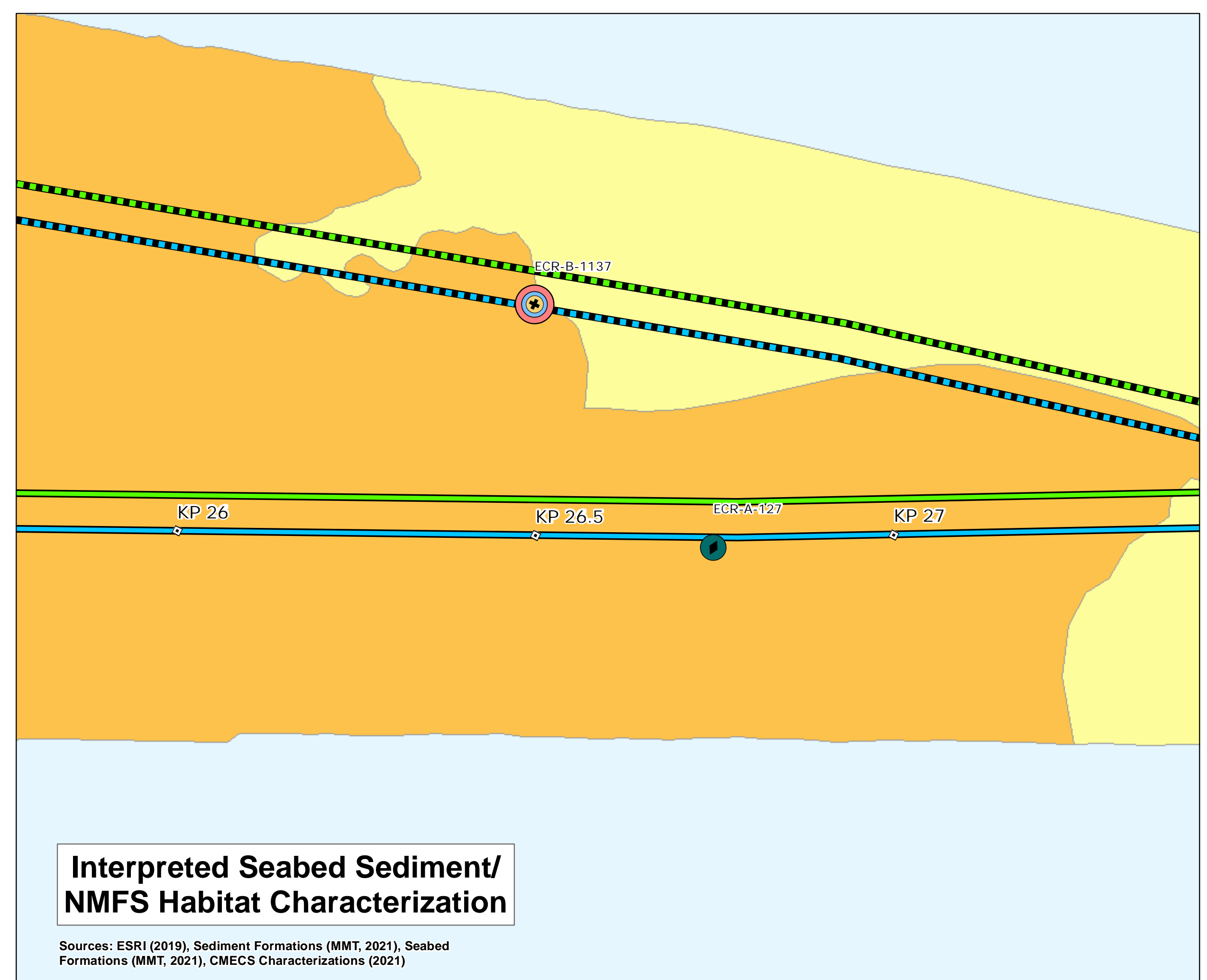
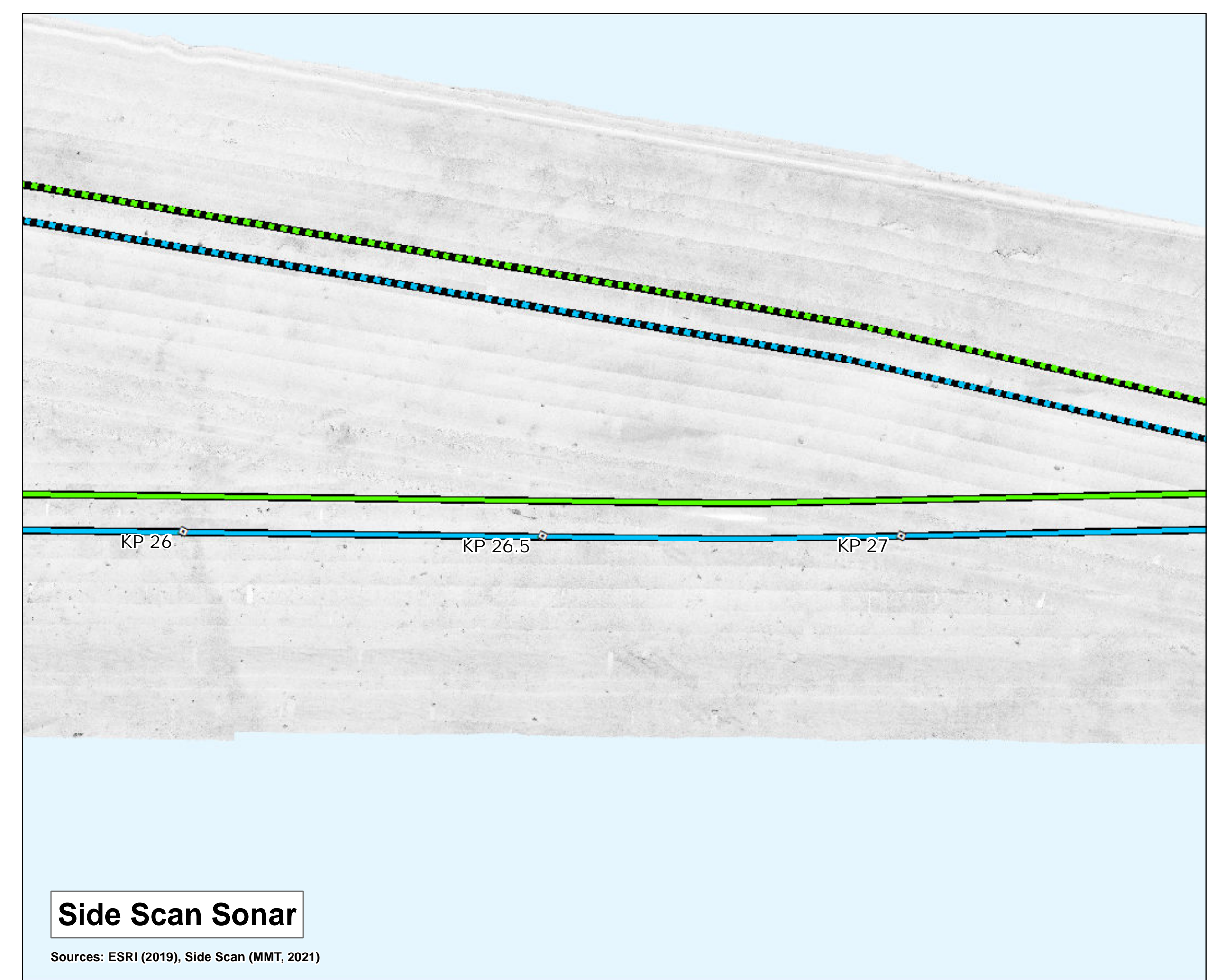
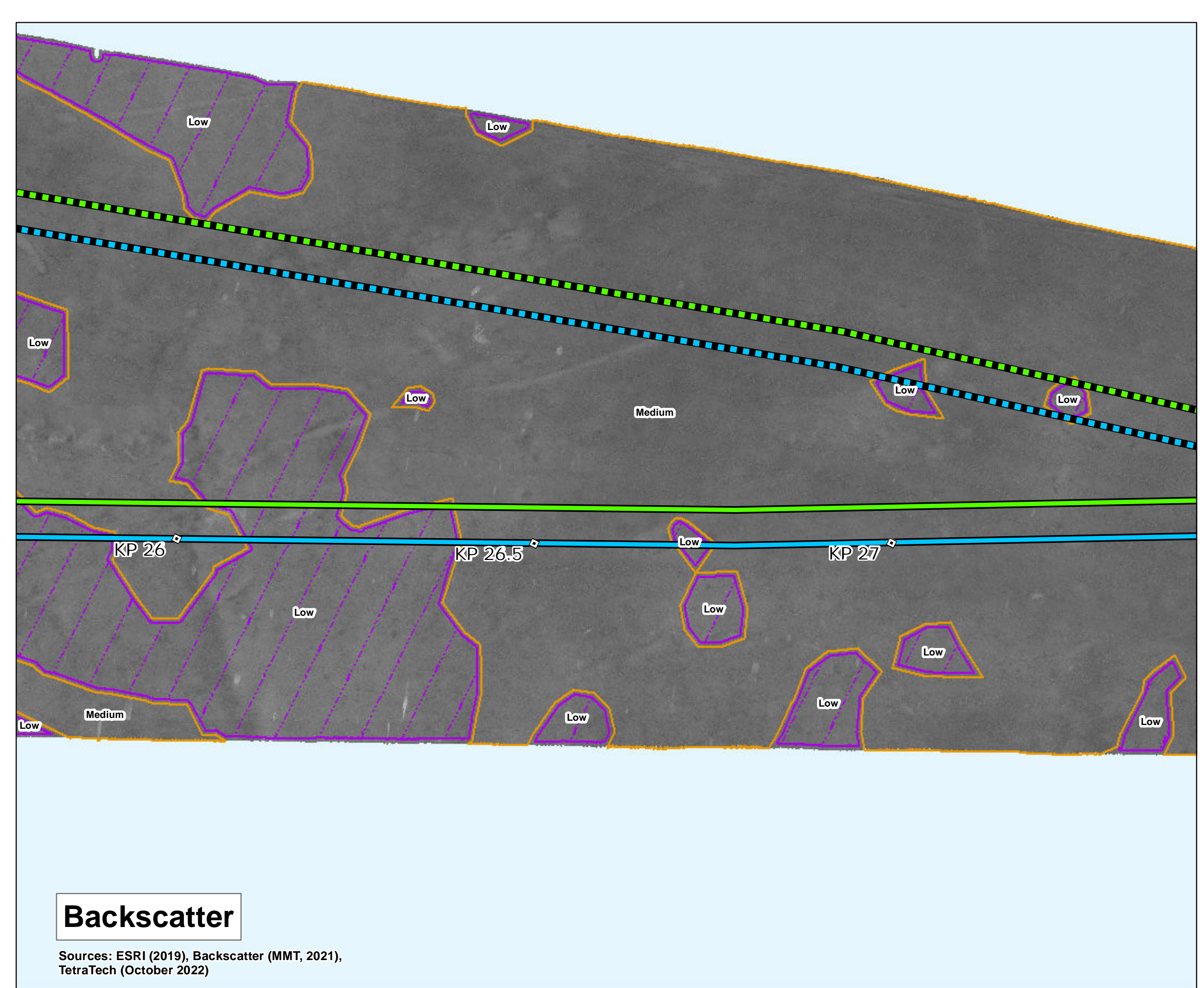
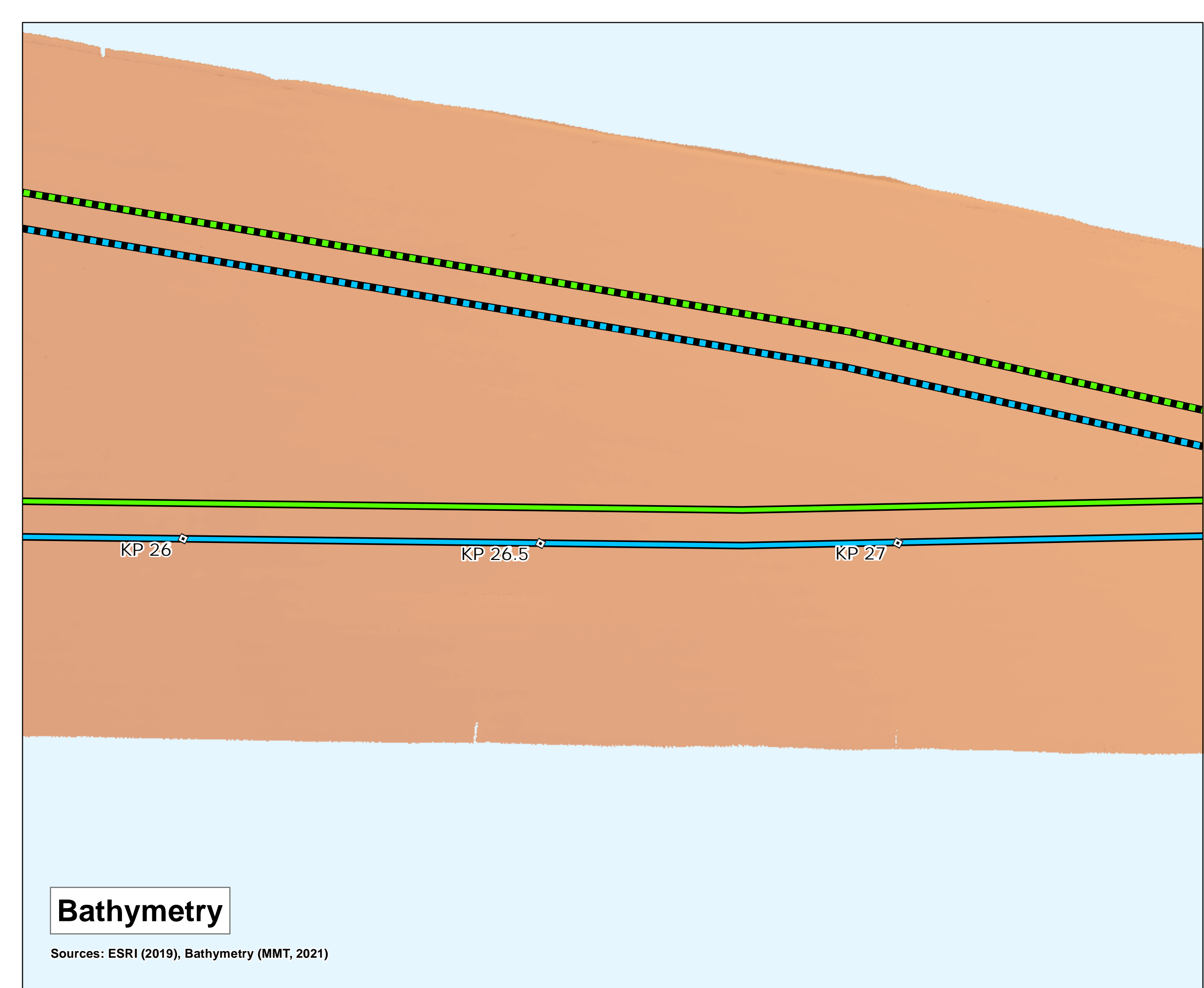
Prepared by: AECOM  
Date: 3/1/2023



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 22

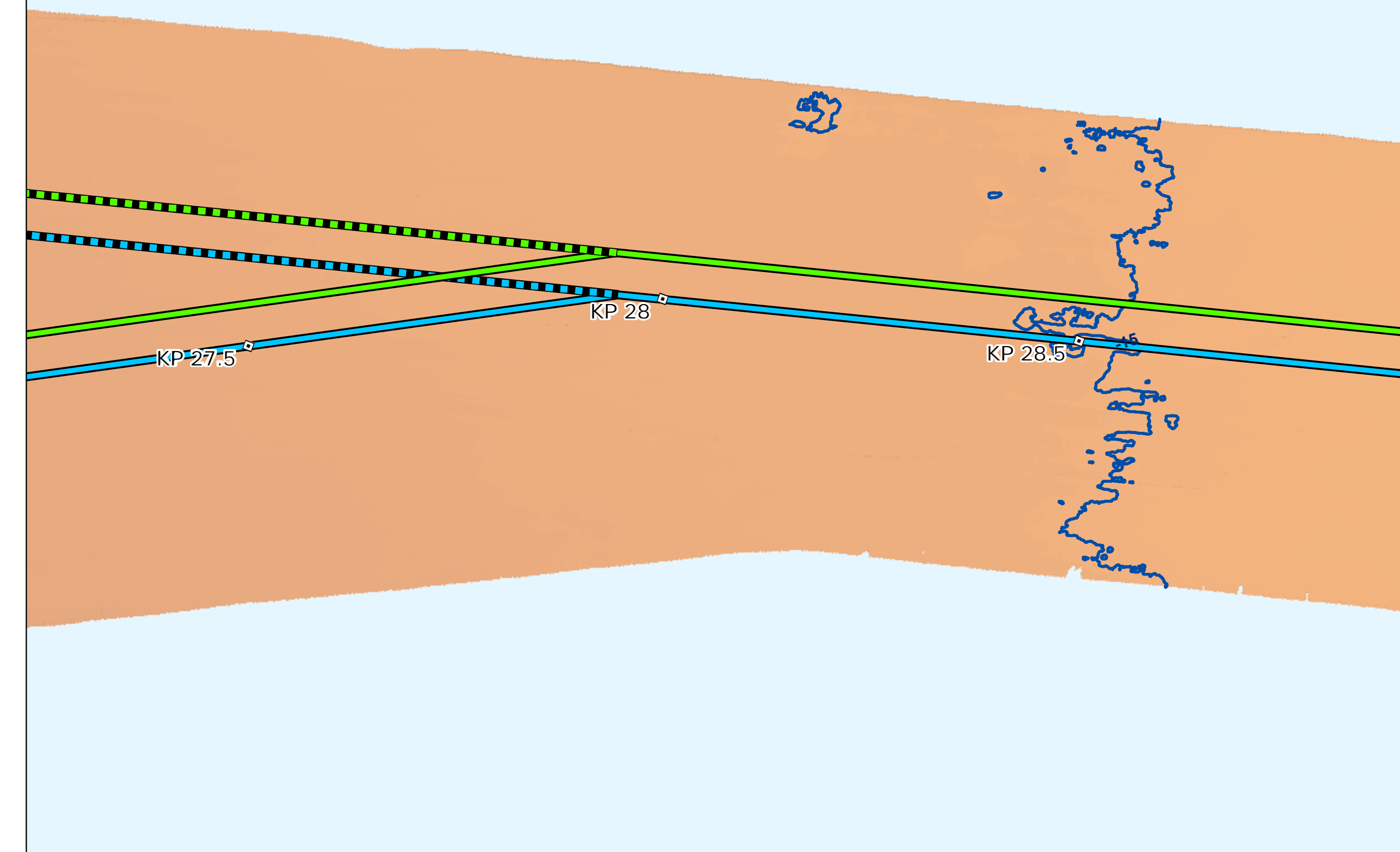
BW1 (NY) - KP 26 - KP 27  
BW2 (NY) - KP 26 - KP 27  
BW2 (CT) - N/A





# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



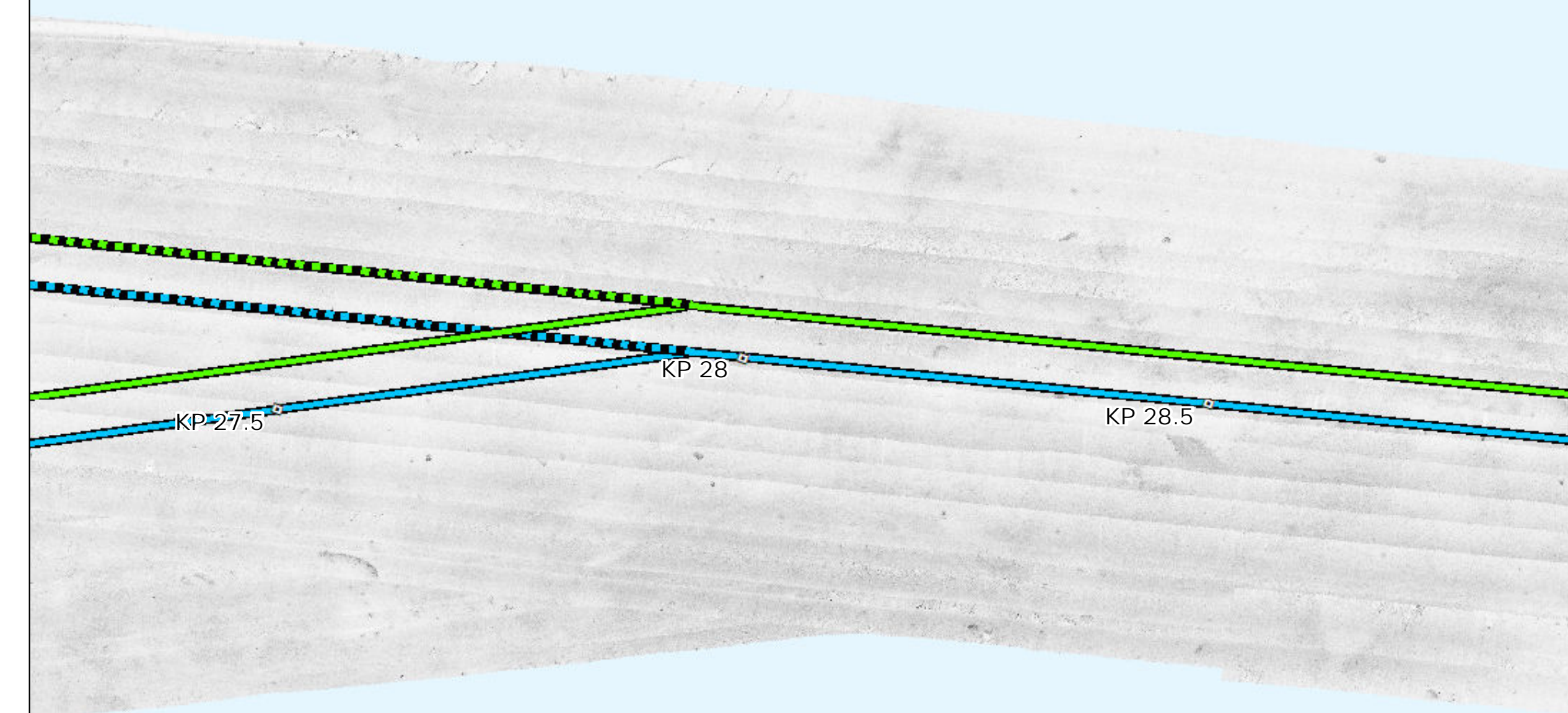
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



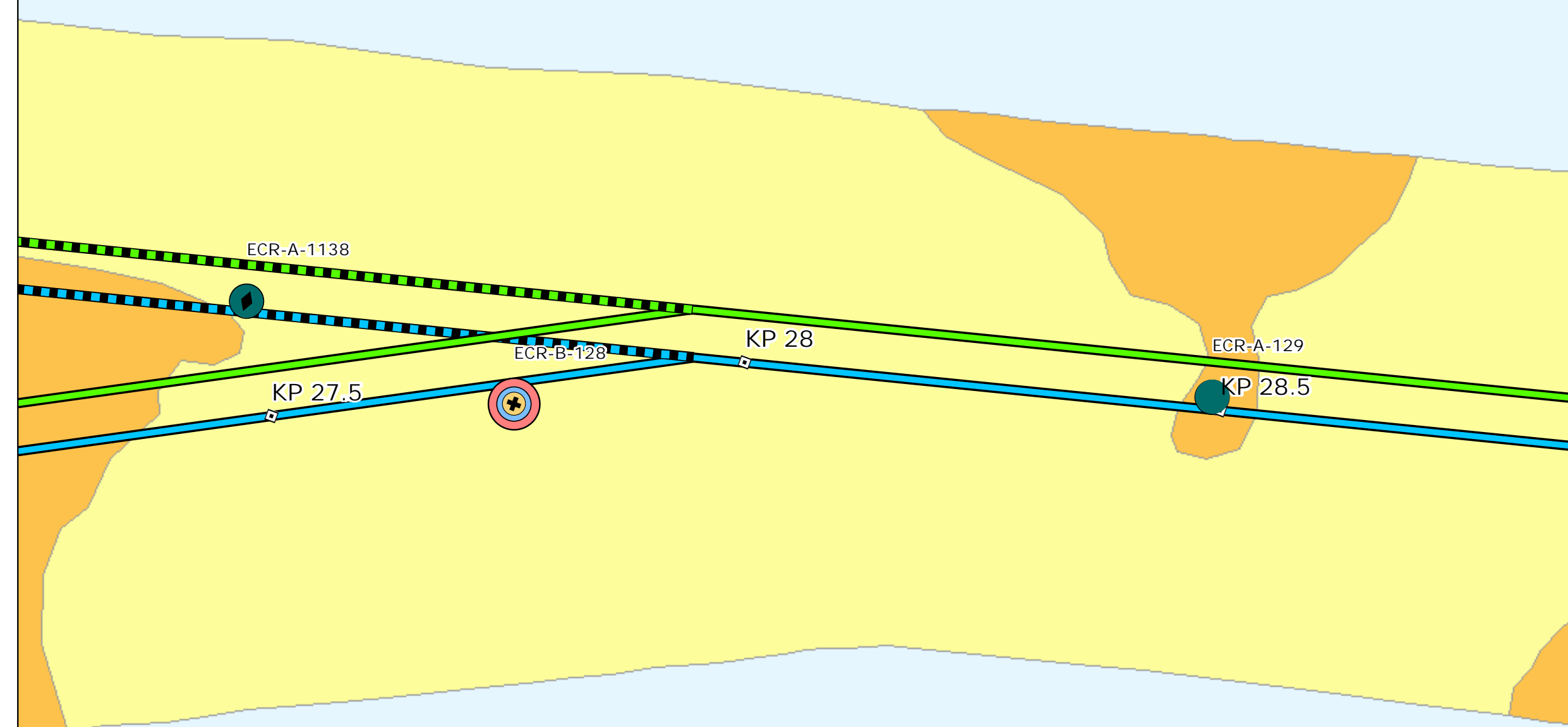
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

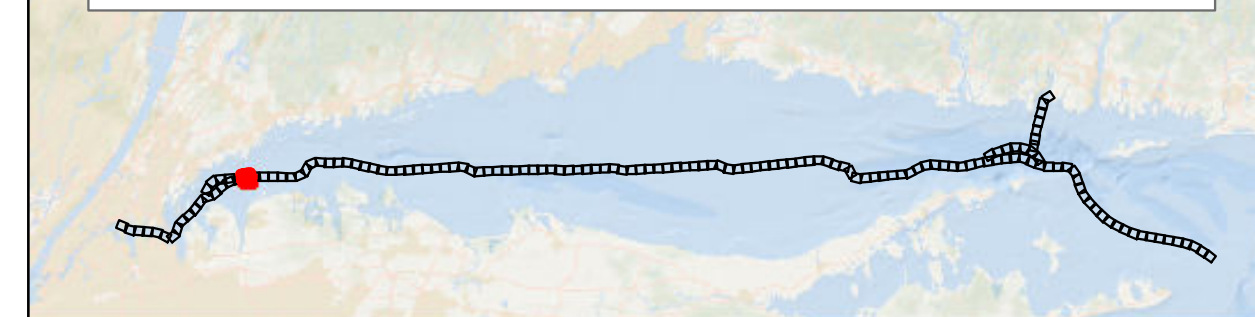


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



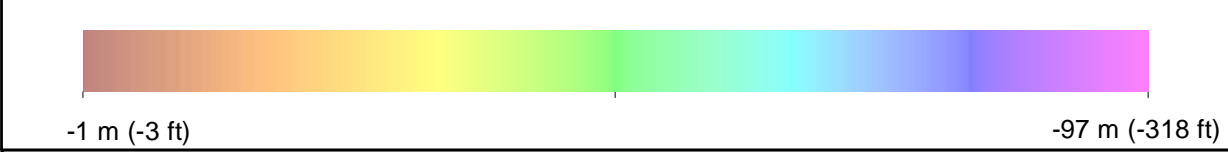
# Map Book Package for Submarine Export Cable Route in State Waters



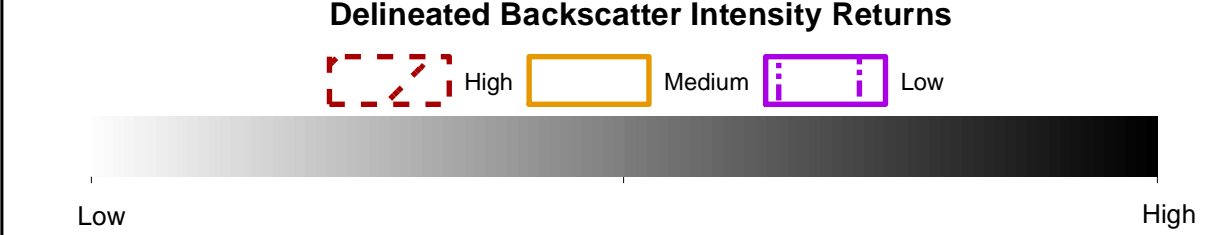
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

## Bathymetry (MLLW)

Major Contours (5m Interval)



## Backscatter Delineated Backscatter Intensity Returns



## Side Scan Sonar



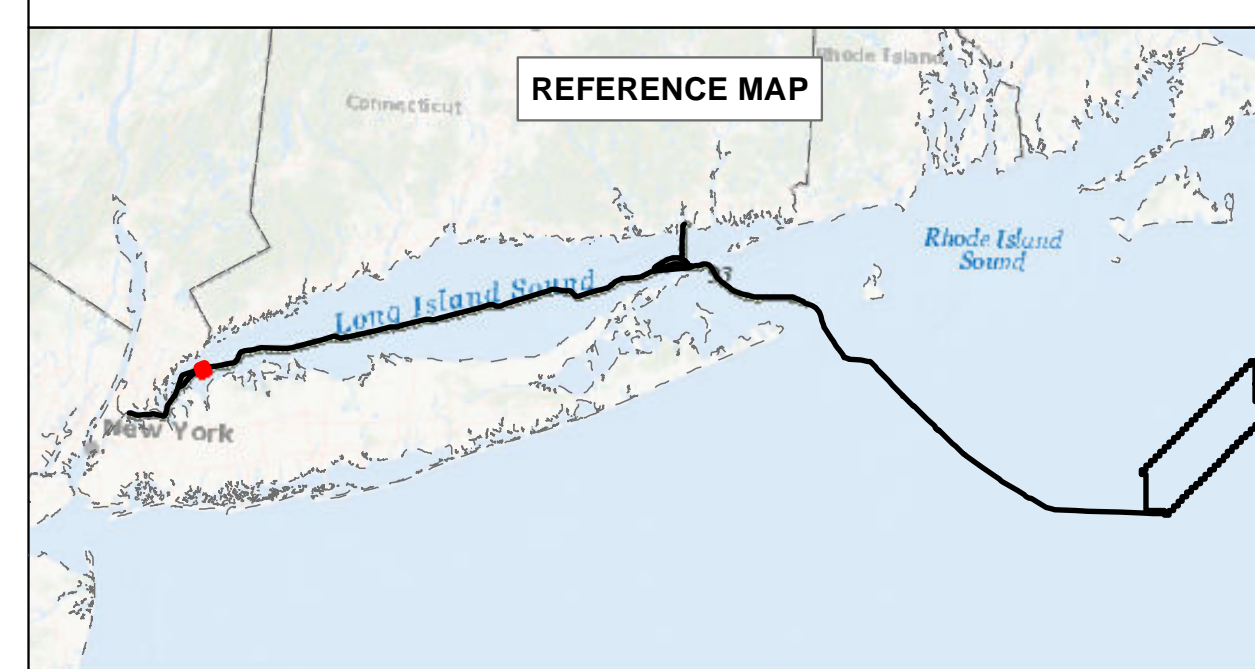
## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
    - Grab and Video
    - SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Gravelly Mud
    - Sandy Mud
  - CMECS Geofom**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mixed Sediment/Complex Habitat
    - Mud and Sandy Mud/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

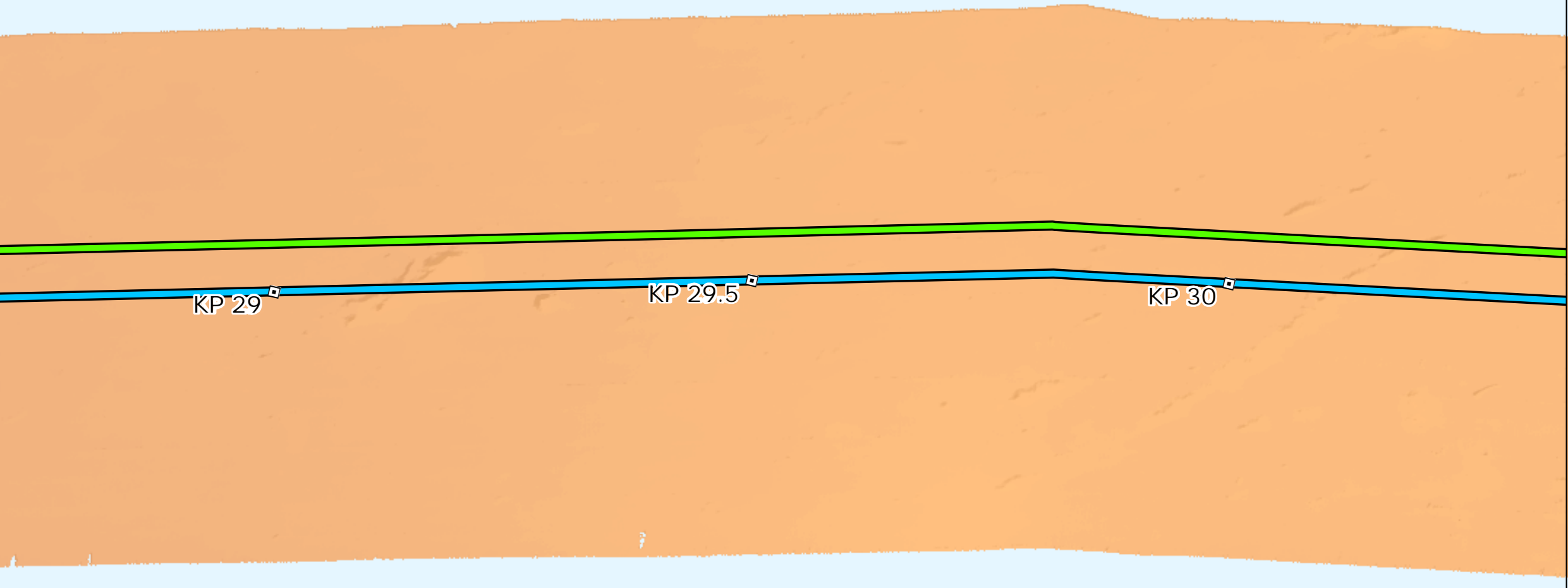
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 23

BW1 (NY) - KP 27.5 - KP 28.5  
BW2 (NY) - KP 27.5 - KP 28.5  
BW2 (CT) - N/A



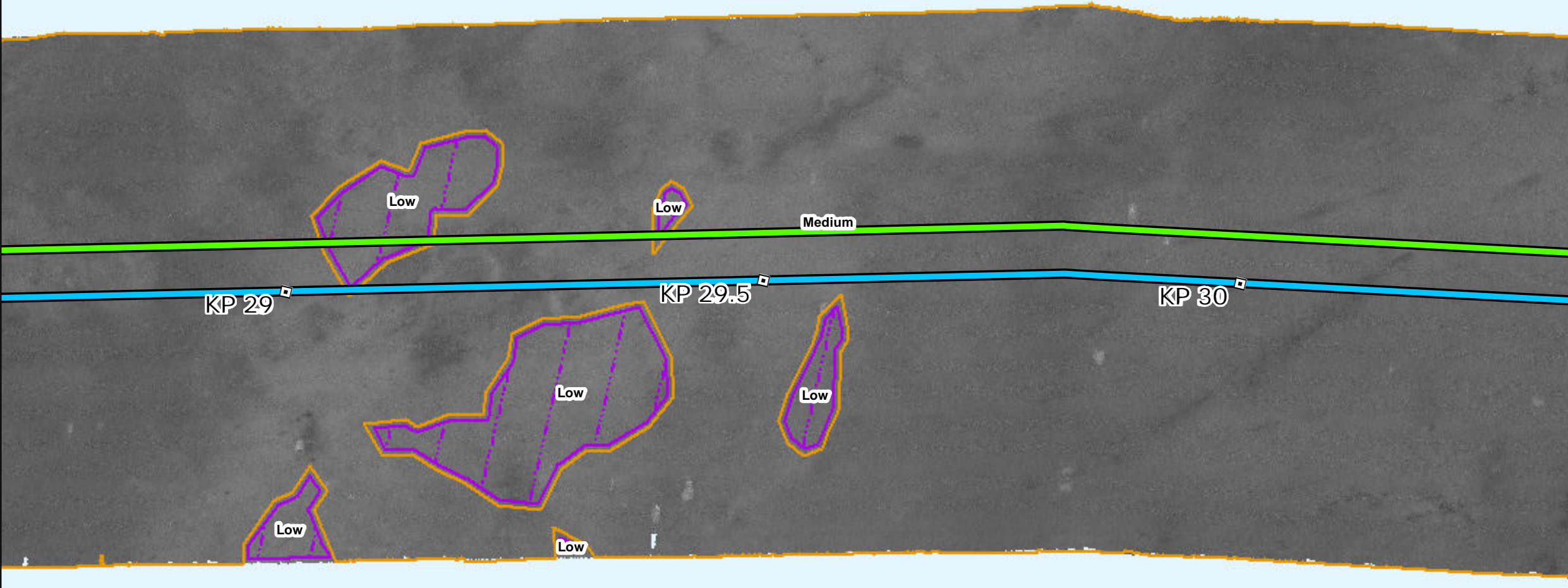
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



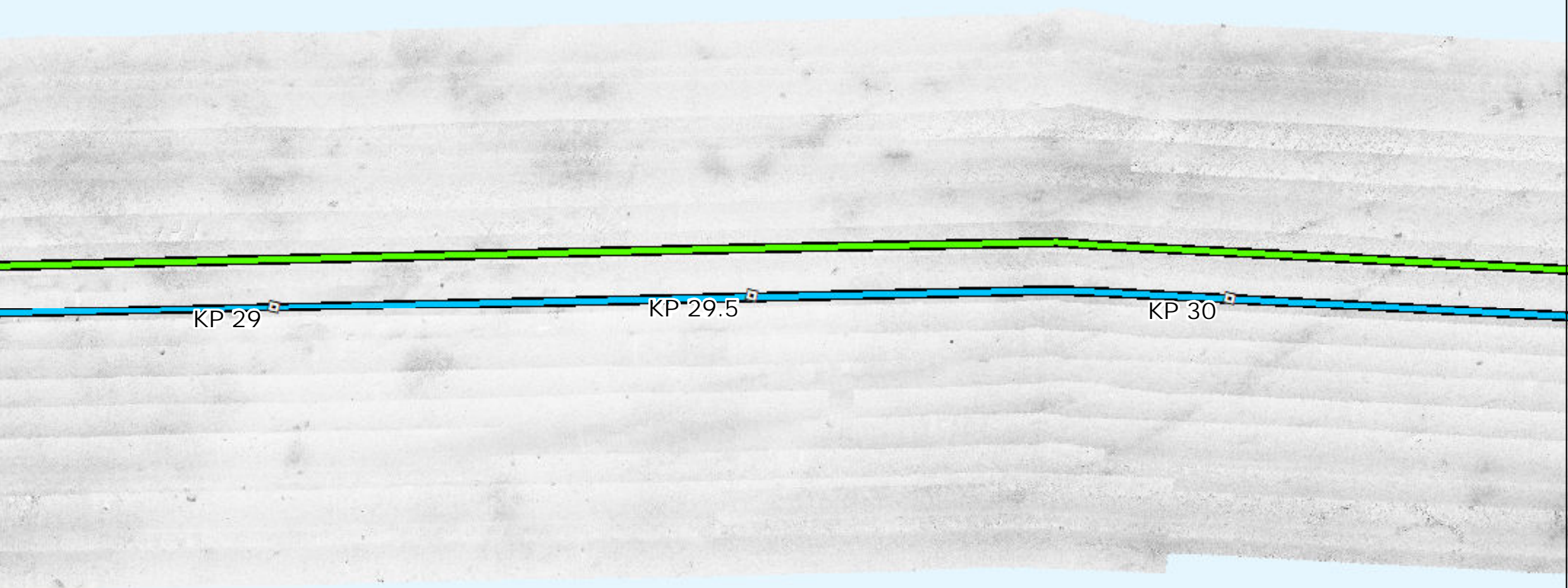
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



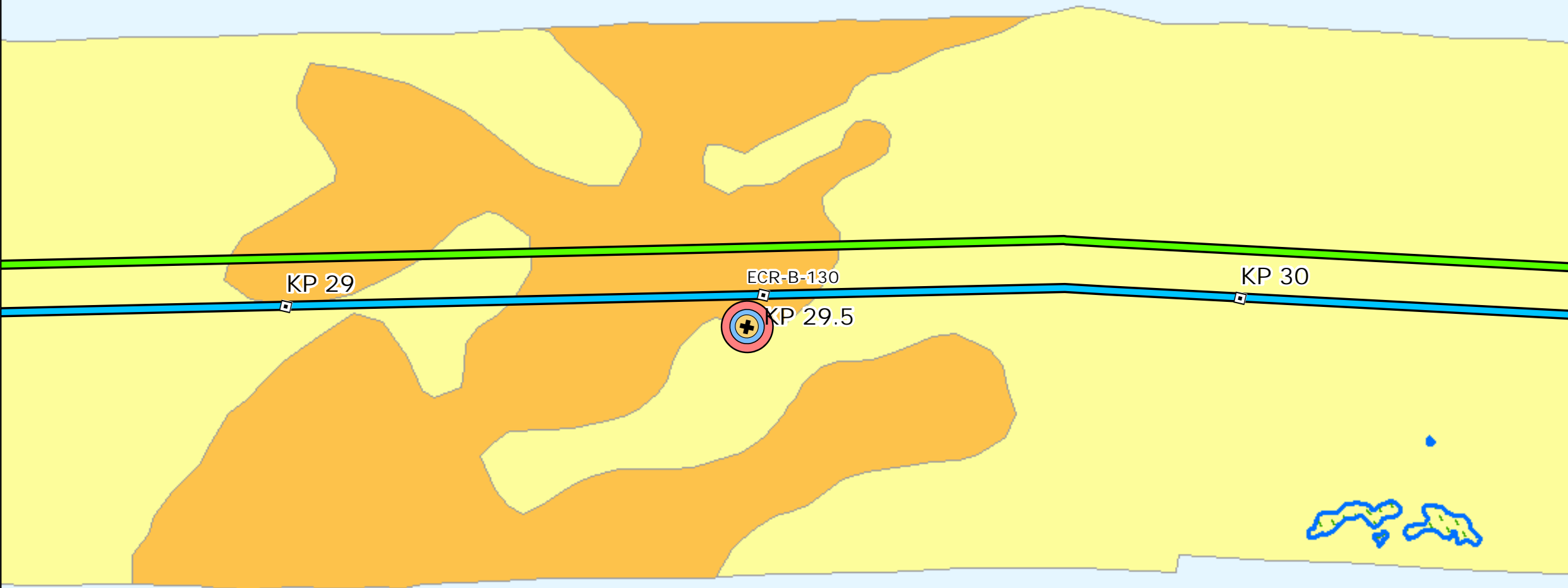
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

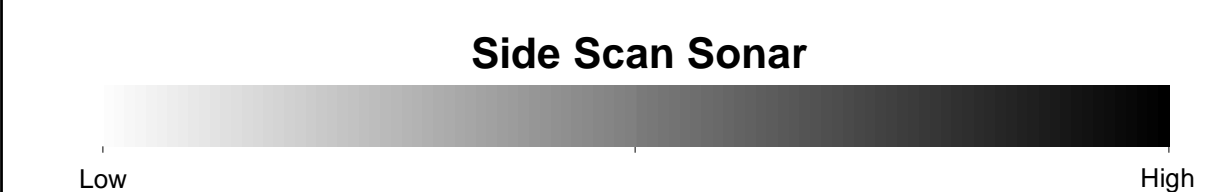
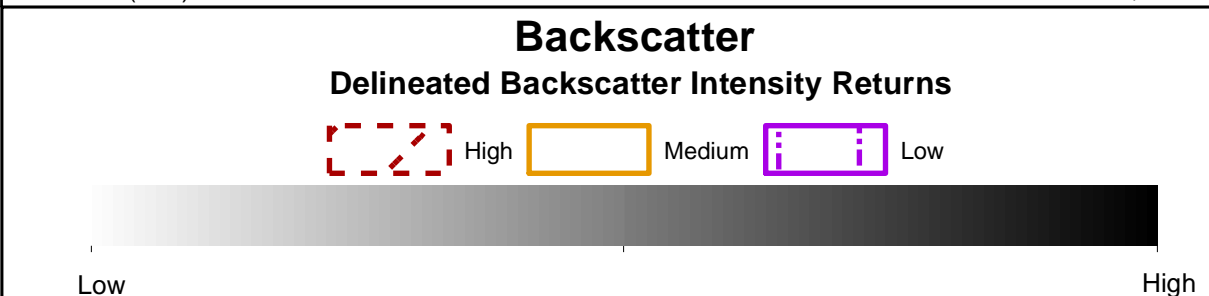
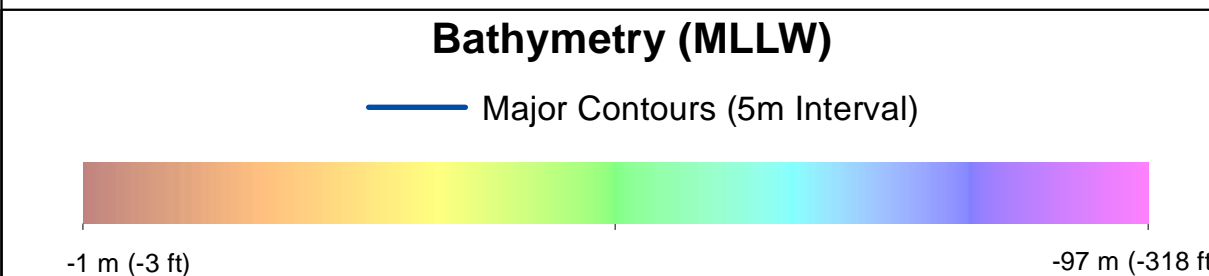
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

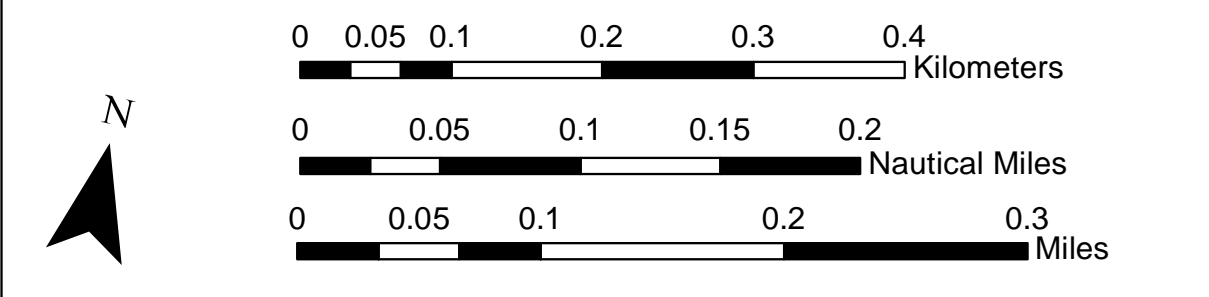
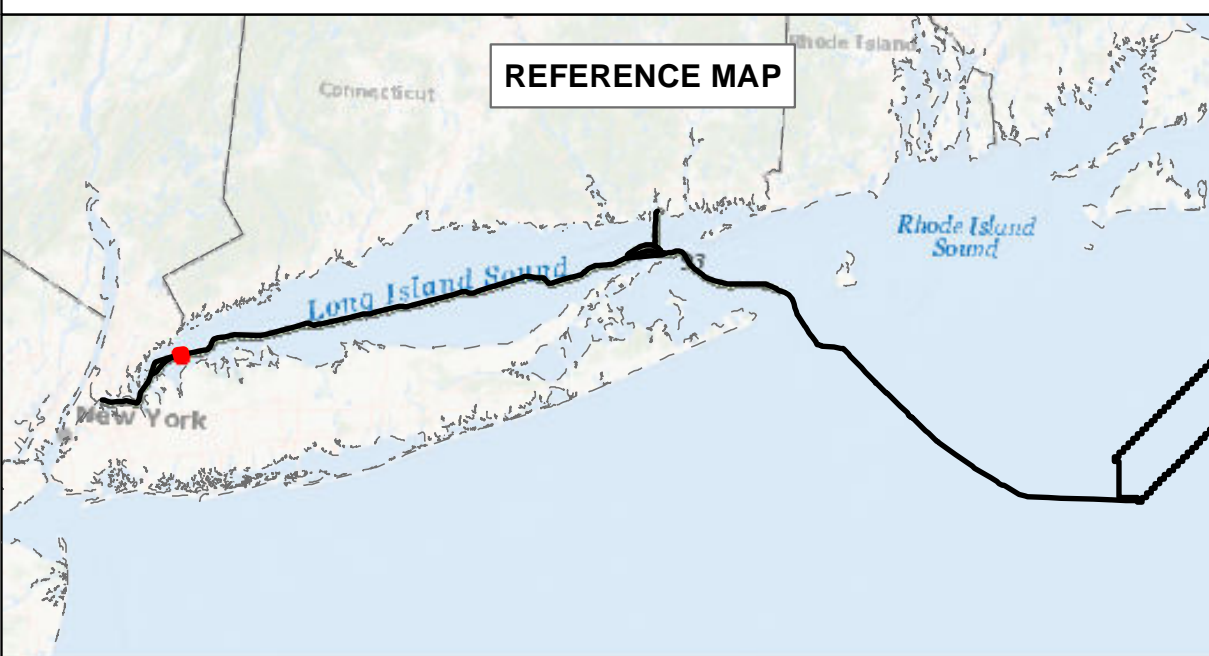


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |   |                      |   |   |
|------------------------|---|----------------------|---|---|
| <b>Station Type</b>    | + | Grab and Video       | ■ | Mixed Sediment/Complex Habitat                    |
| <b>CMECS Biotic</b>    | ● | Soft Sediment Fauna  | ■ | Numerous Boulders/Large Grained Complex Habitat   |
| <b>CMECS Substrate</b> | ● | Gravelly Mud         | ■ | Occasional Boulders/Large Grained Complex Habitat |
| <b>CMECS Geofom</b>    | ● | Burrows/Bioturbation | ■ | Heterogeneous Complex Habitat                     |
- ### Interpreted Seabed Sediment/NMFS Habitat Characterization
- Mud and Sandy Mud/Soft Bottom Habitat
  - Sand and Muddy Sand/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

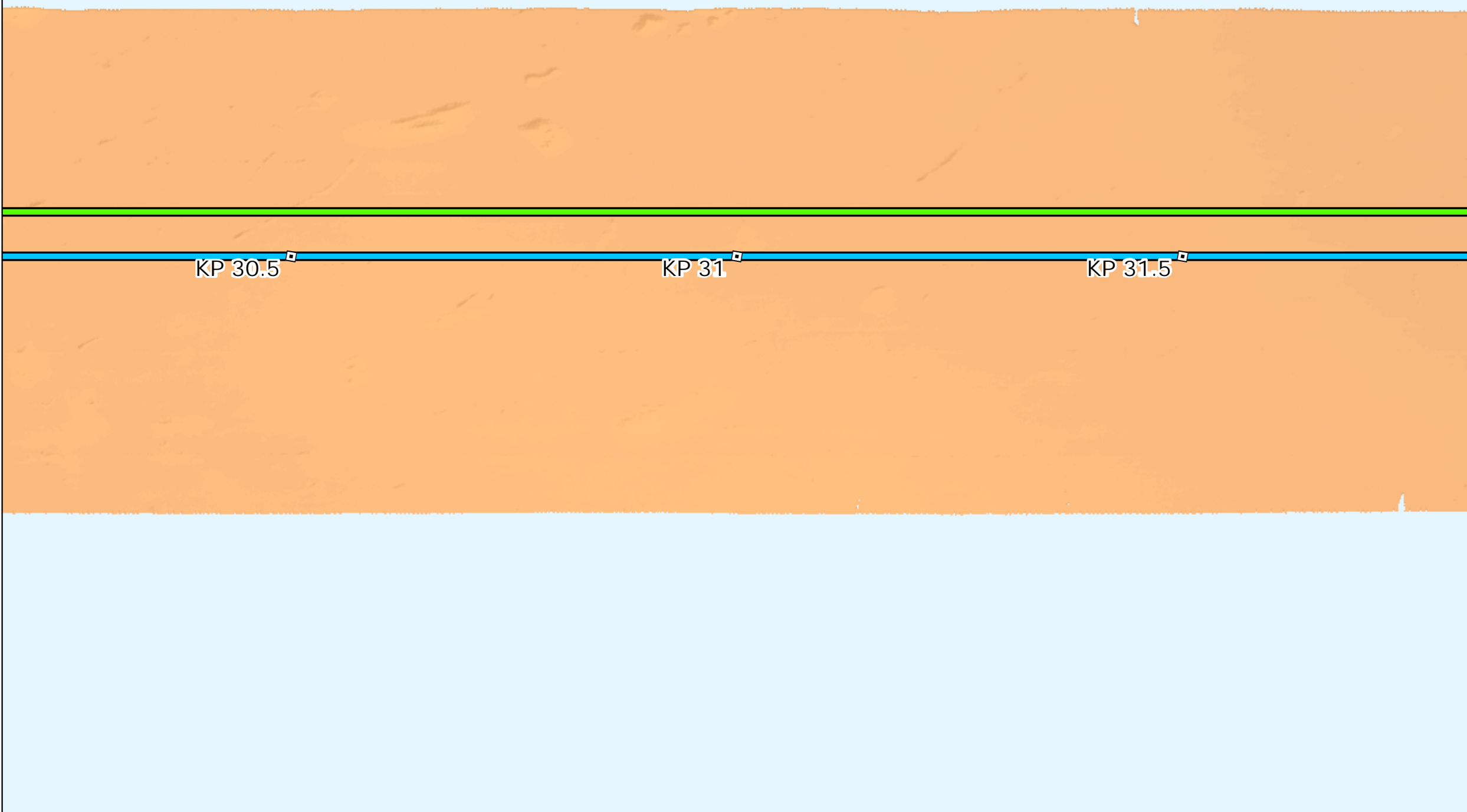
#### Tile 24

BW1 (NY) - KP 29 - KP 30  
BW2 (NY) - KP 29 - KP 30  
BW2 (CT) - N/A



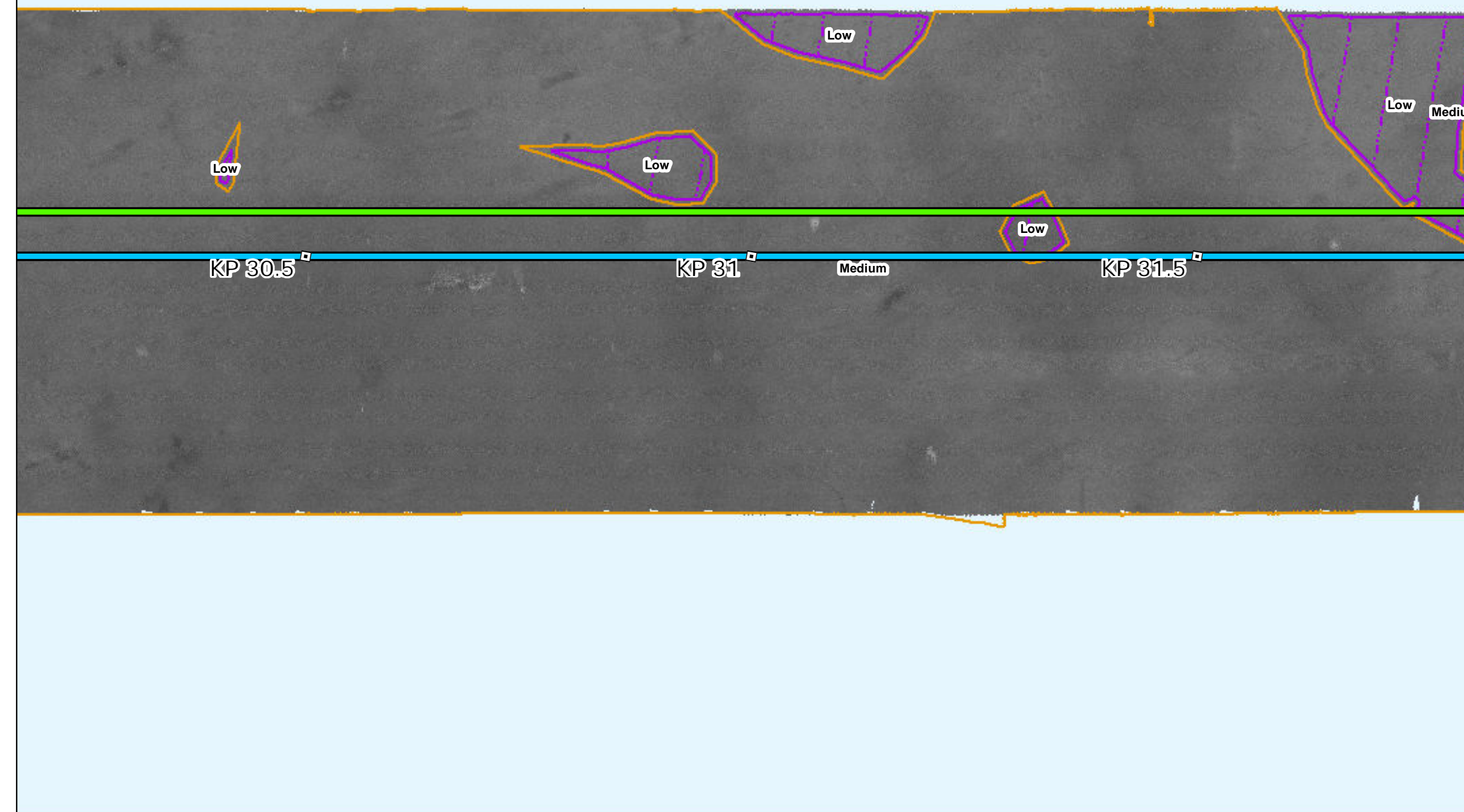
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



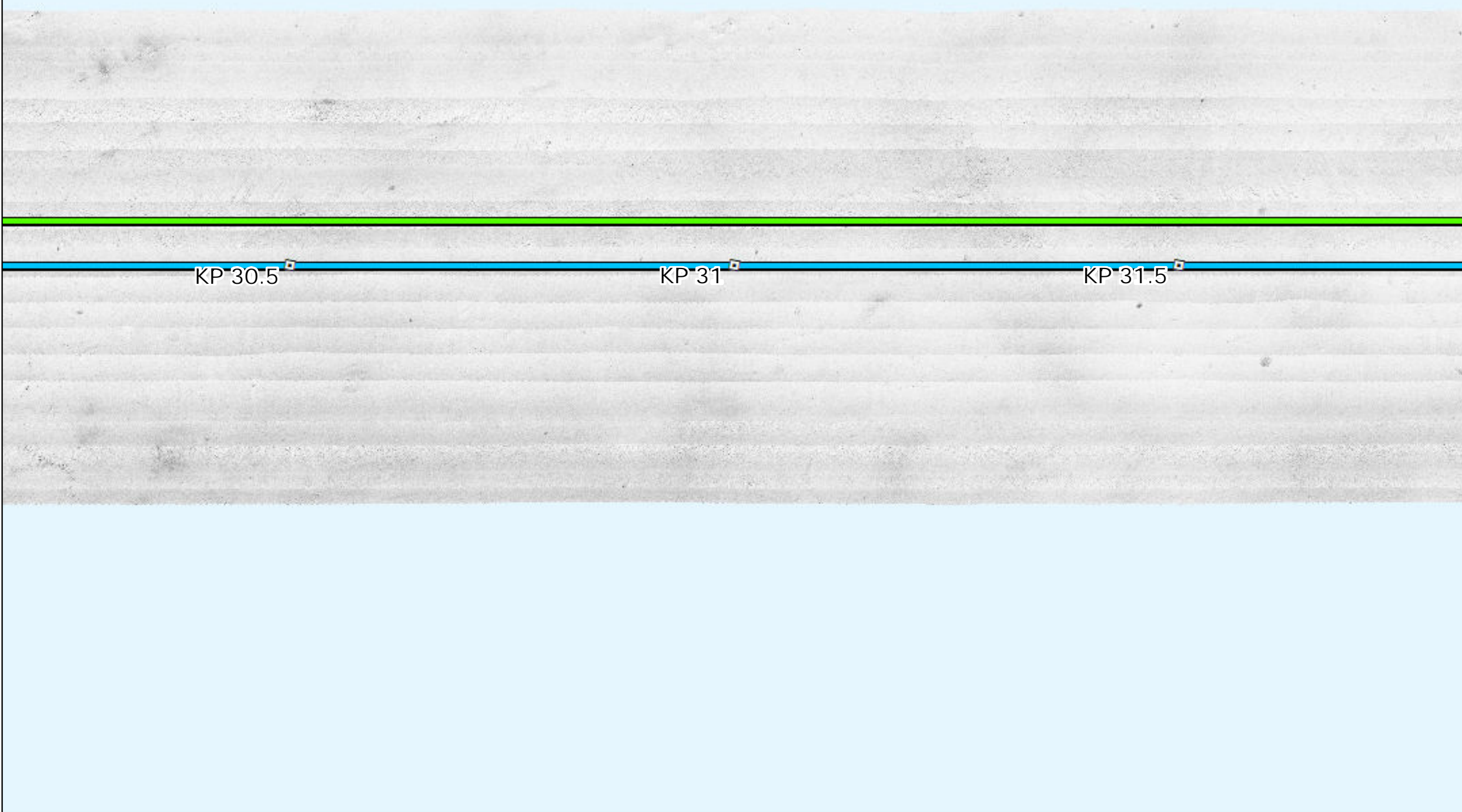
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



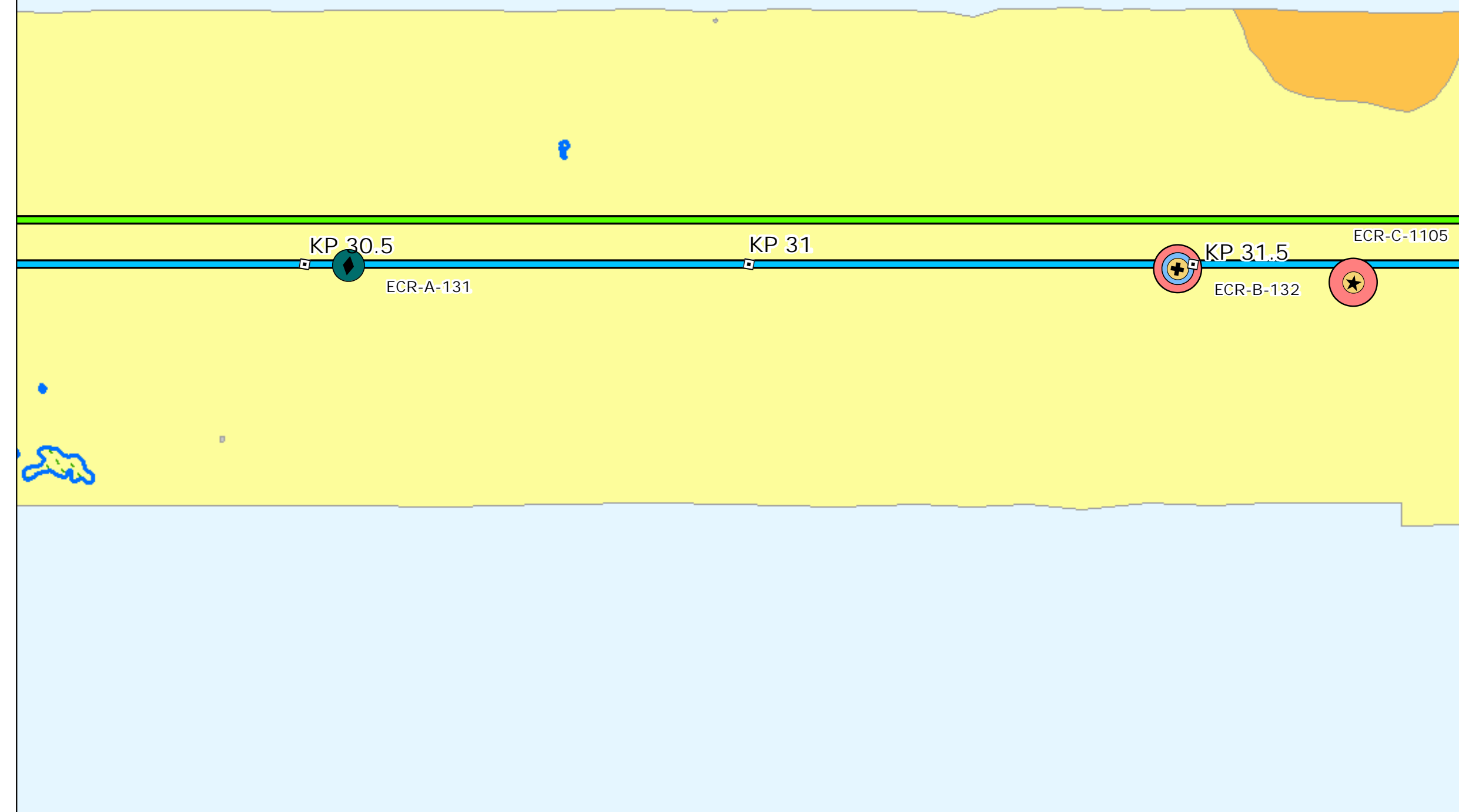
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

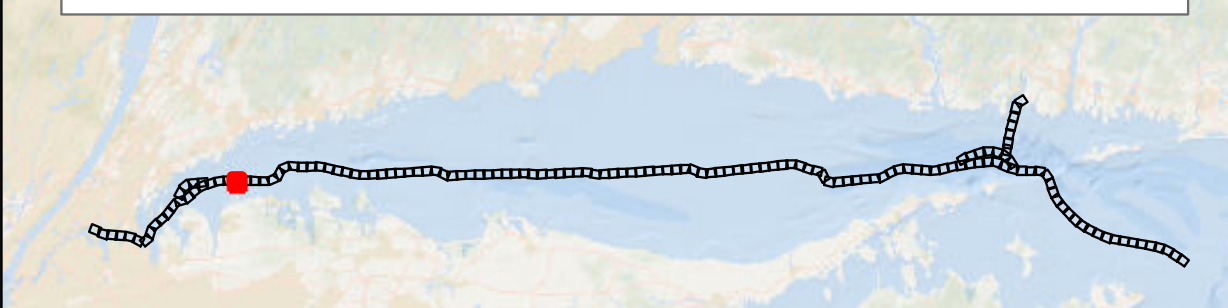


# Interpreted Seabed Sediment/NMFS Habitat Characterization

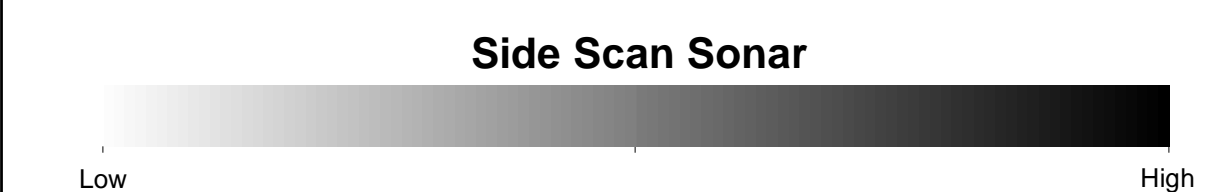
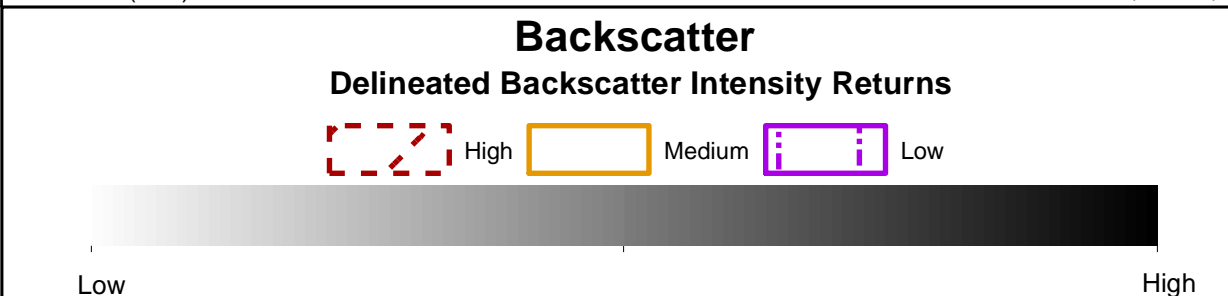
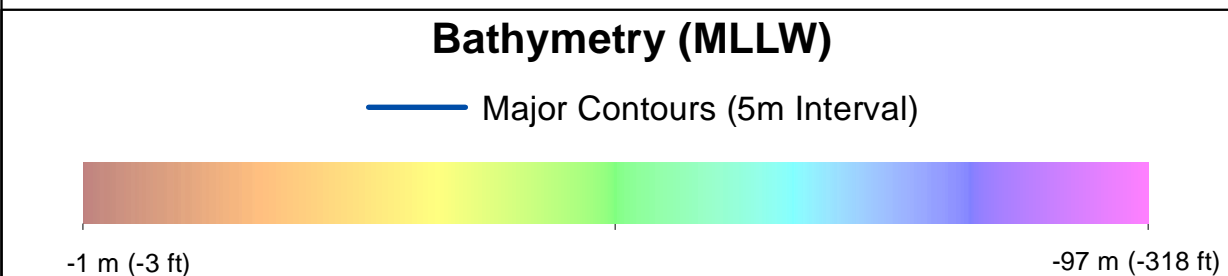
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



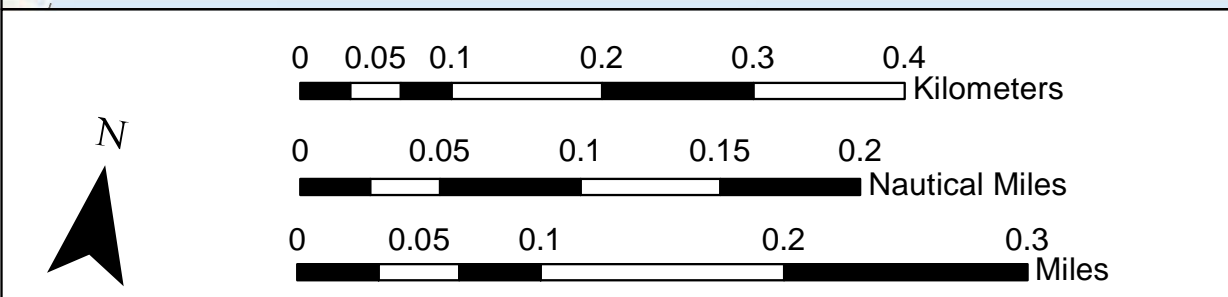
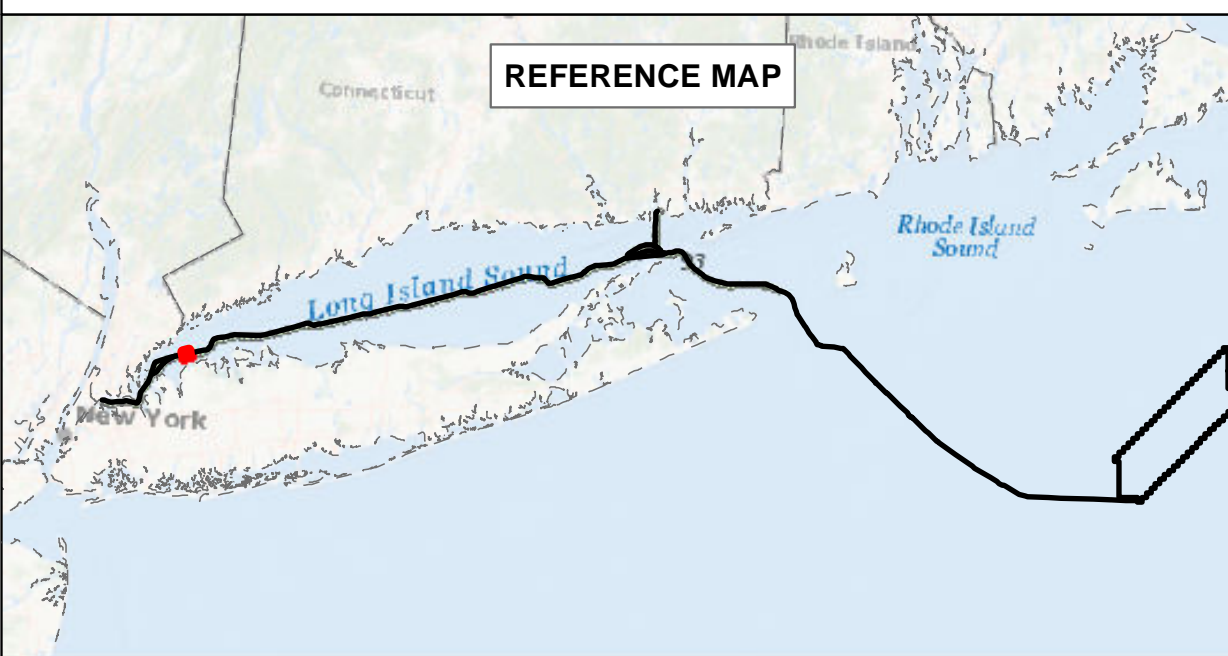
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |   |
|---|---|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video<br><b>CMECS Biotic</b><br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Gravelly Mud<br>● Sandy Mud<br><b>CMECS Geoform</b><br>● Burrows/Bioturbation | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>● Mud and Sandy Mud/Soft Bottom Habitat<br>● Mixed Sediment/Complex Habitat<br>● Till/Complex Habitat<br>● Numerous Boulders/Large Grained Complex Habitat<br>● Heterogeneous Complex Habitat |
|---|---|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

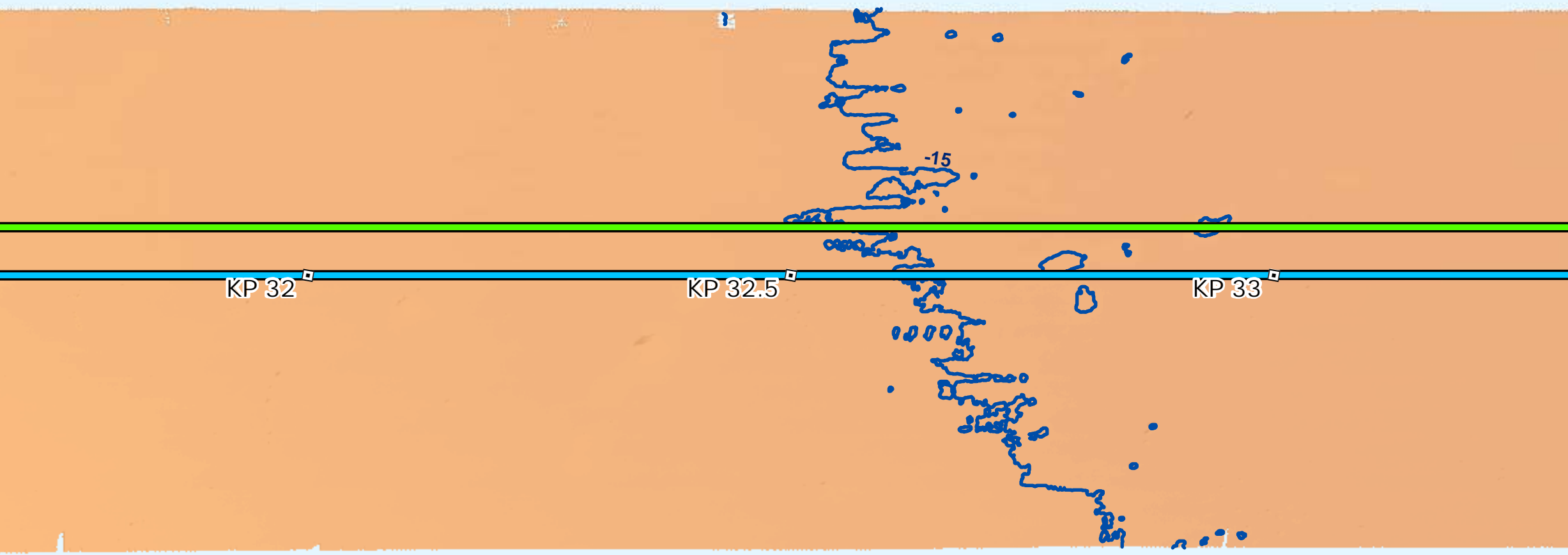
#### Tile 25

BW1 (NY) - KP 30.5 - KP 31.5  
 BW2 (NY) - KP 30.5 - KP 31.5  
 BW2 (CT) - N/A



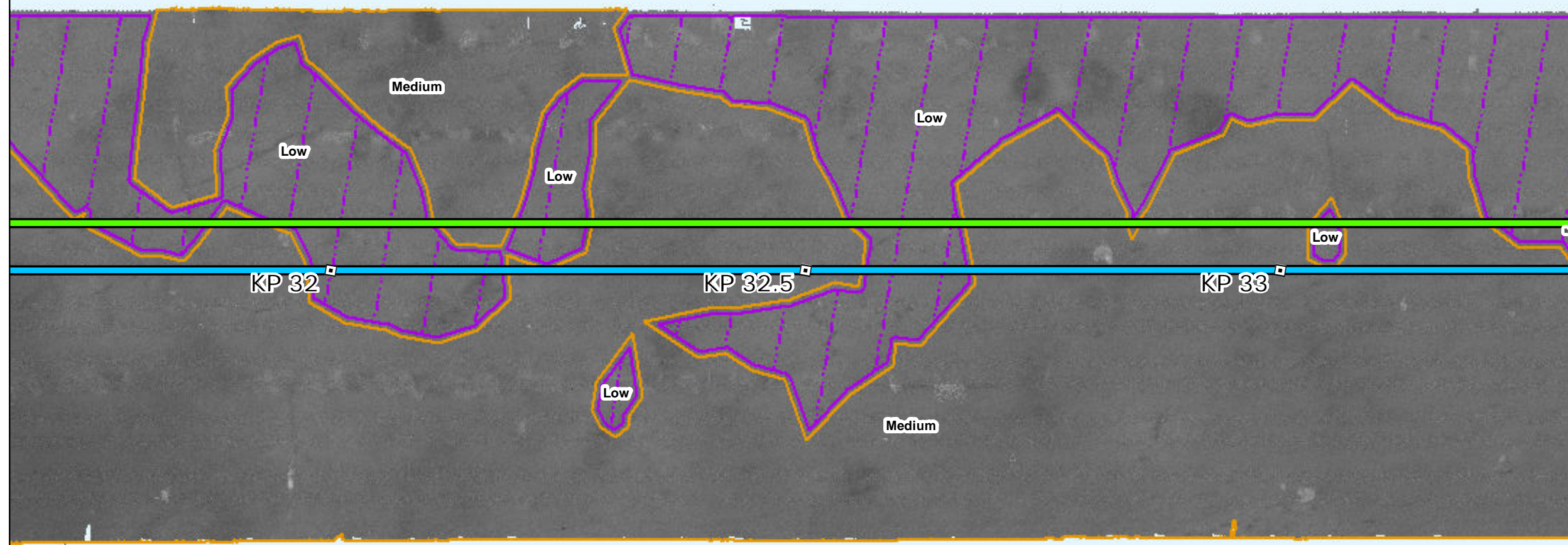
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



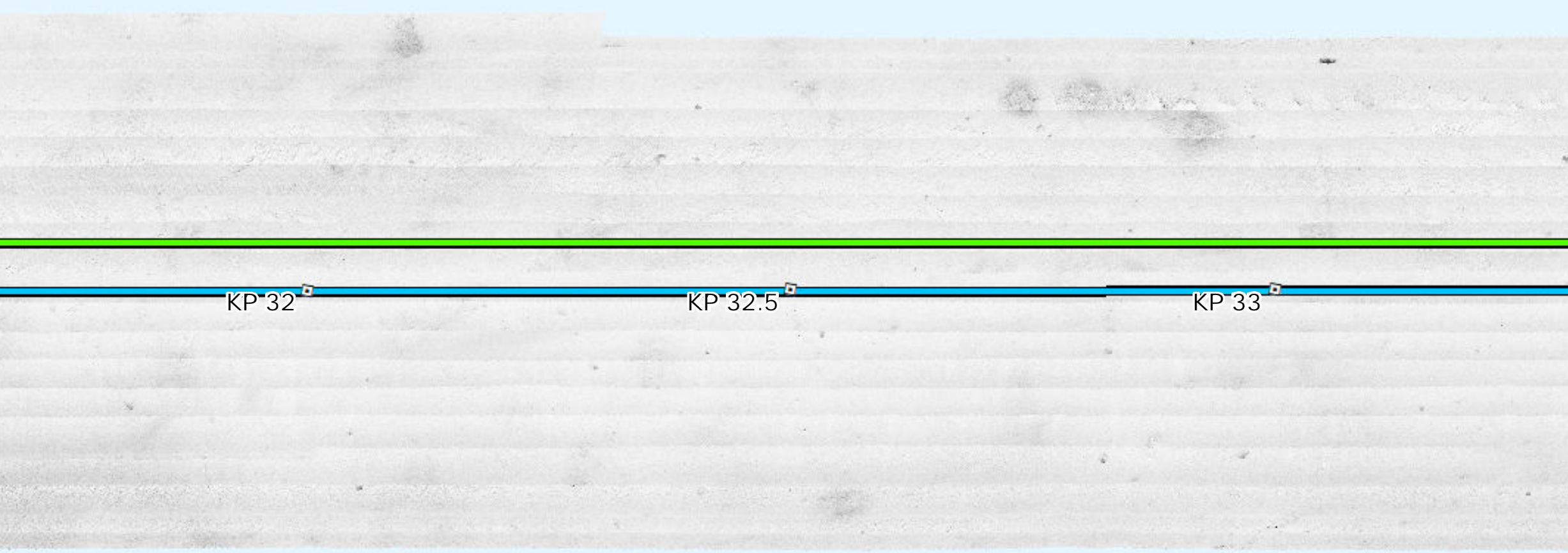
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



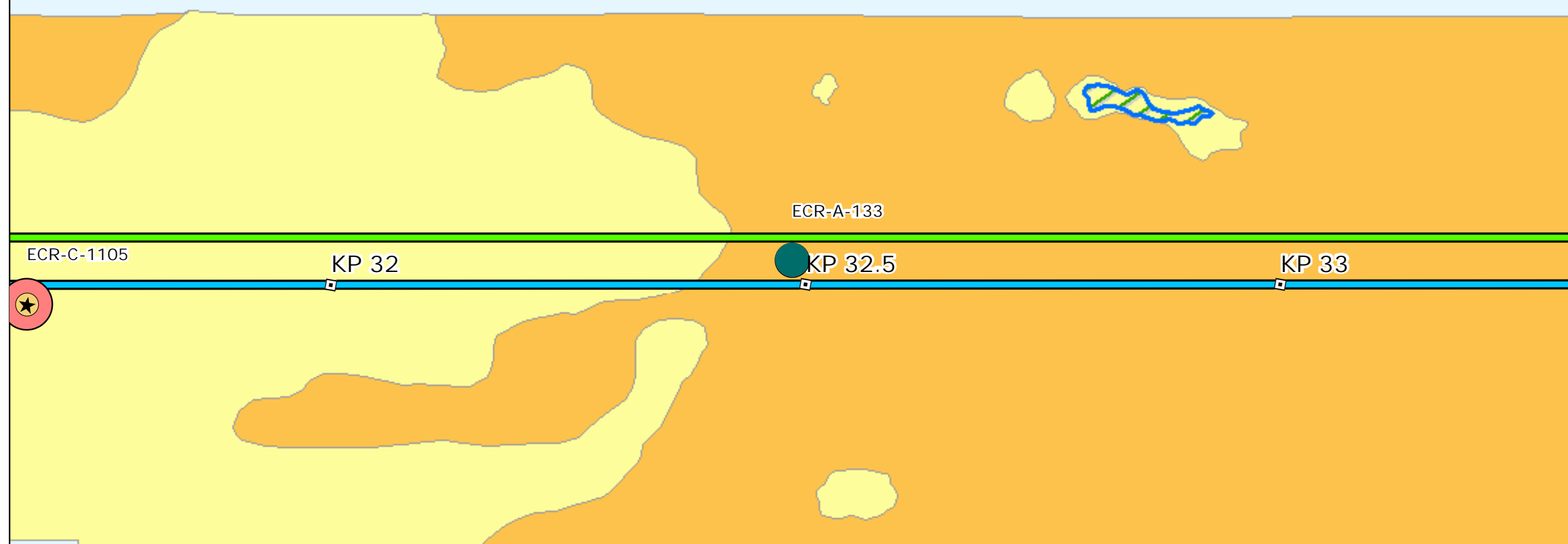
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

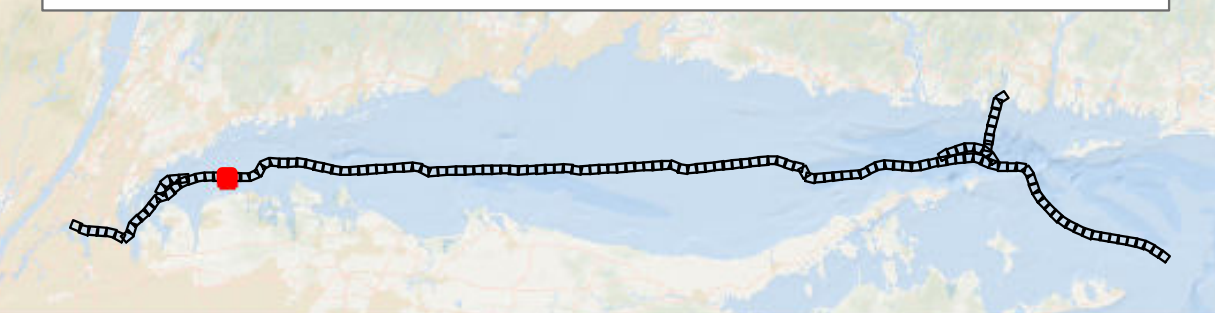


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

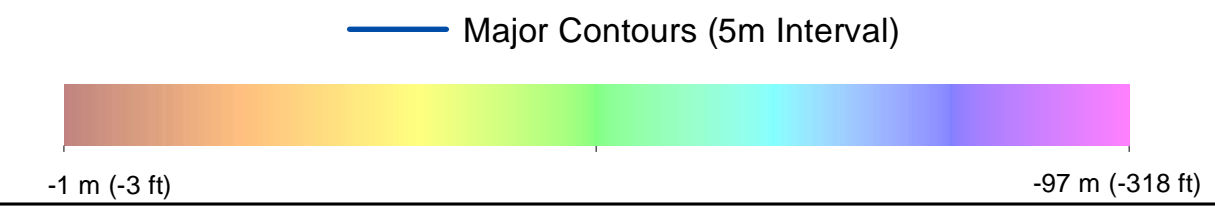


# Map Book Package for Submarine Export Cable Route in State Waters

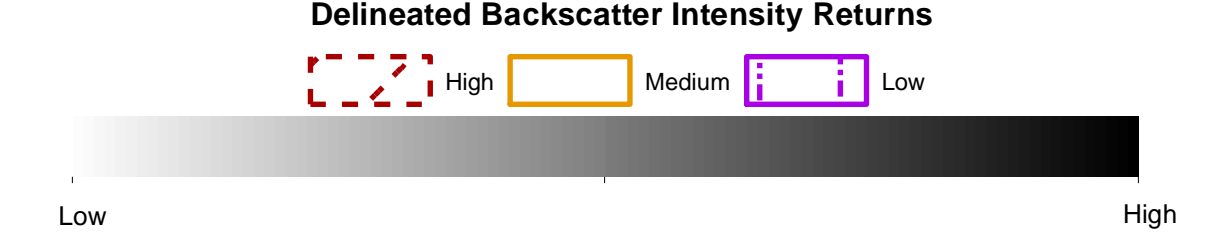


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar

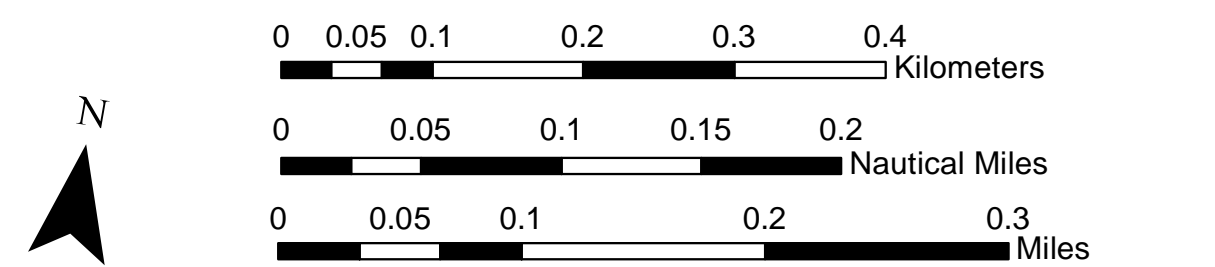
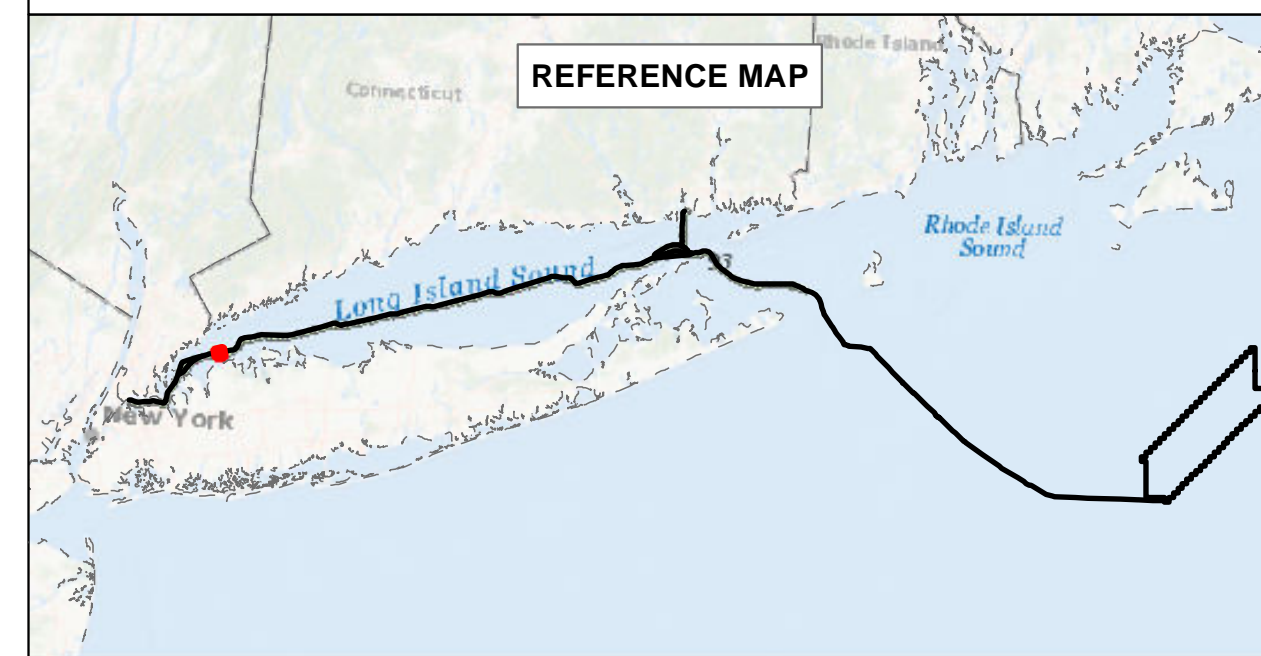


## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - ◆ SPI/PV
  - ★ Video
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Sandy Mud
- CMECS Geoform**
  - Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mixed Sediment/Complex Habitat
  - Occasional Boulders/Large Grained Complex Habitat
  - Heterogeneous Complex Habitat
  - Sandy Mud
  - Burrows/Bioturbation
  - Mud and Sandy Mud/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

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Date: 3/1/2023  
Scale: 1:5000

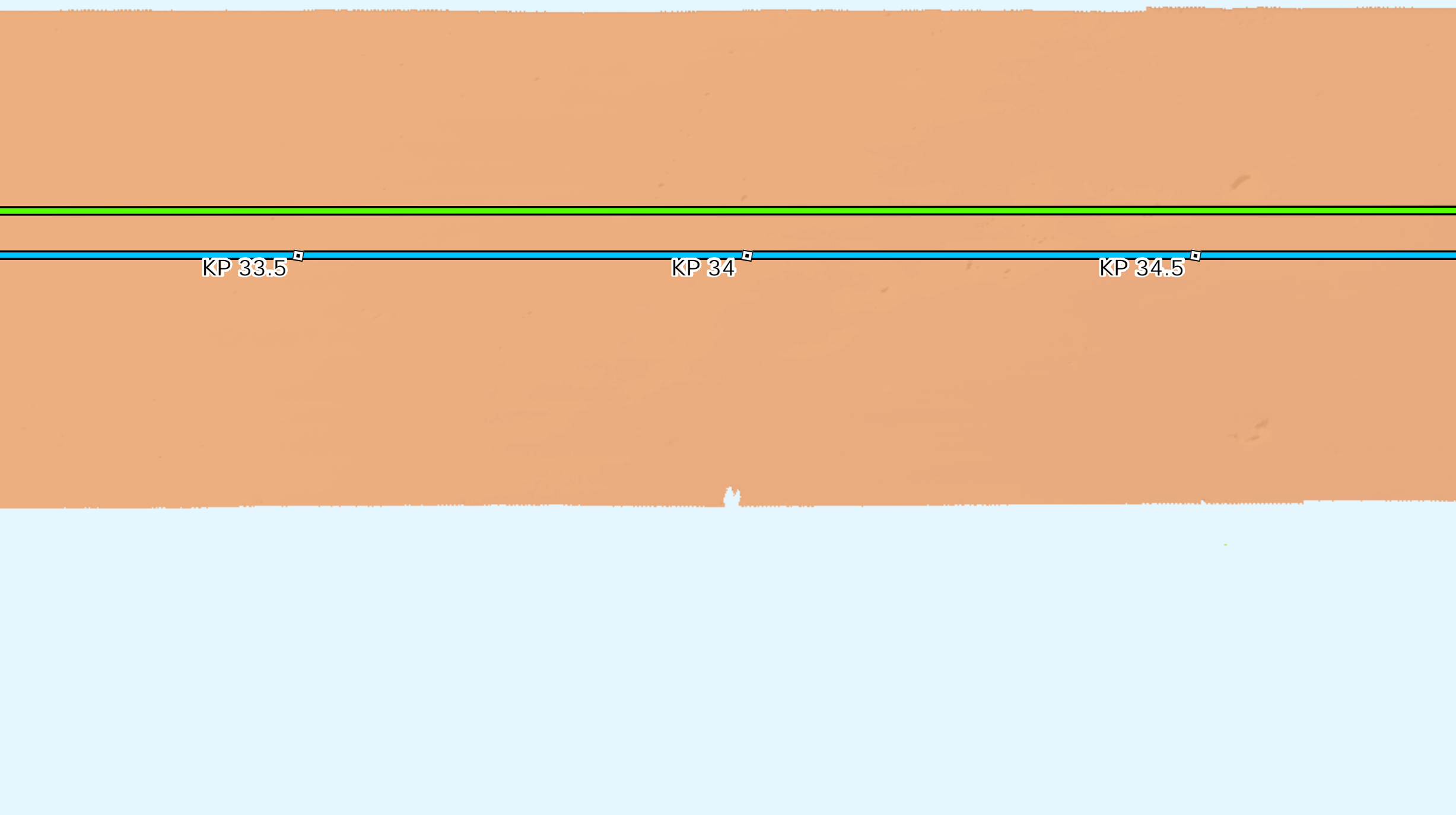


**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 26  
BW1 (NY) - KP 32 - KP 33  
BW2 (NY) - KP 32 - KP 33  
BW2 (CT) - N/A



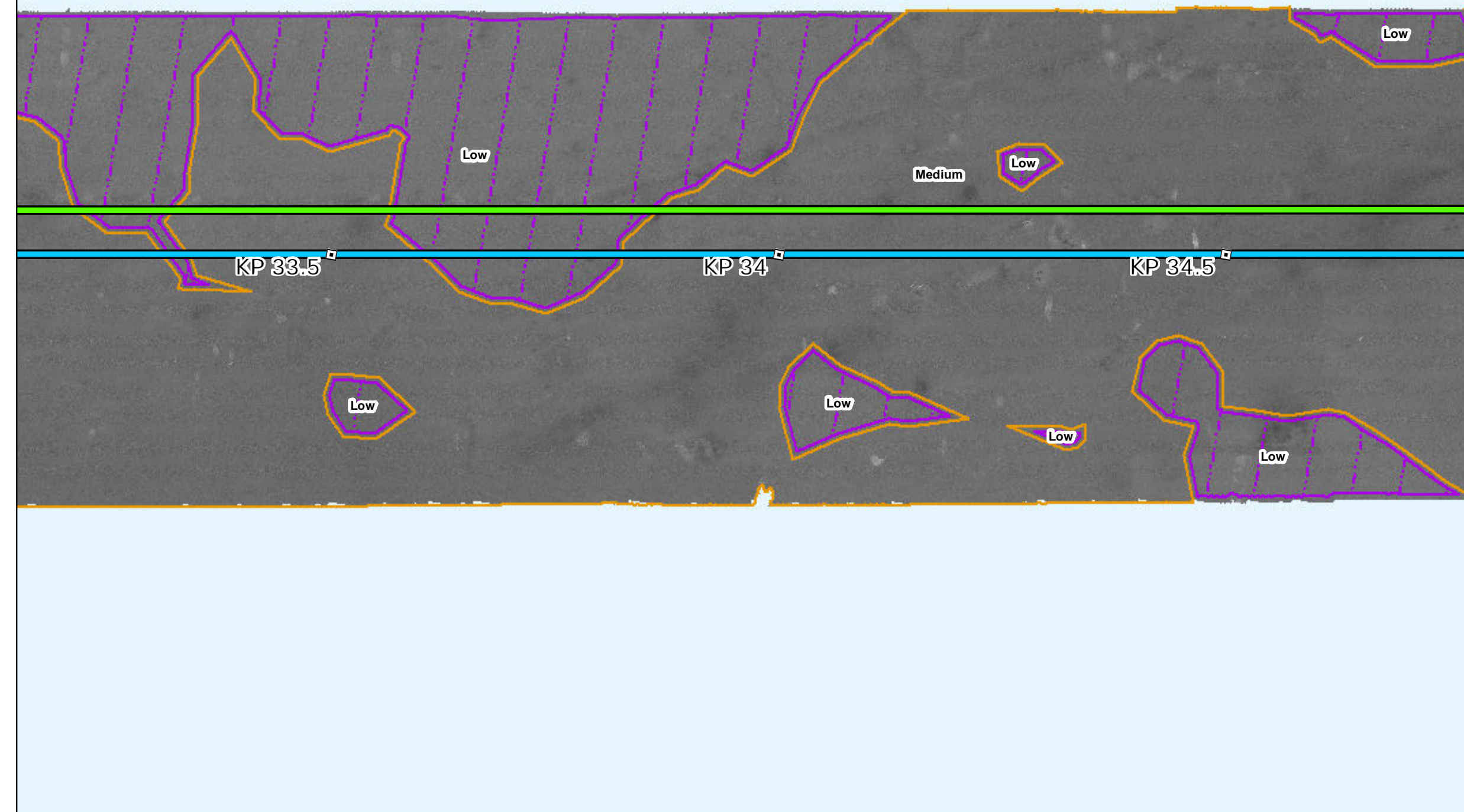
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



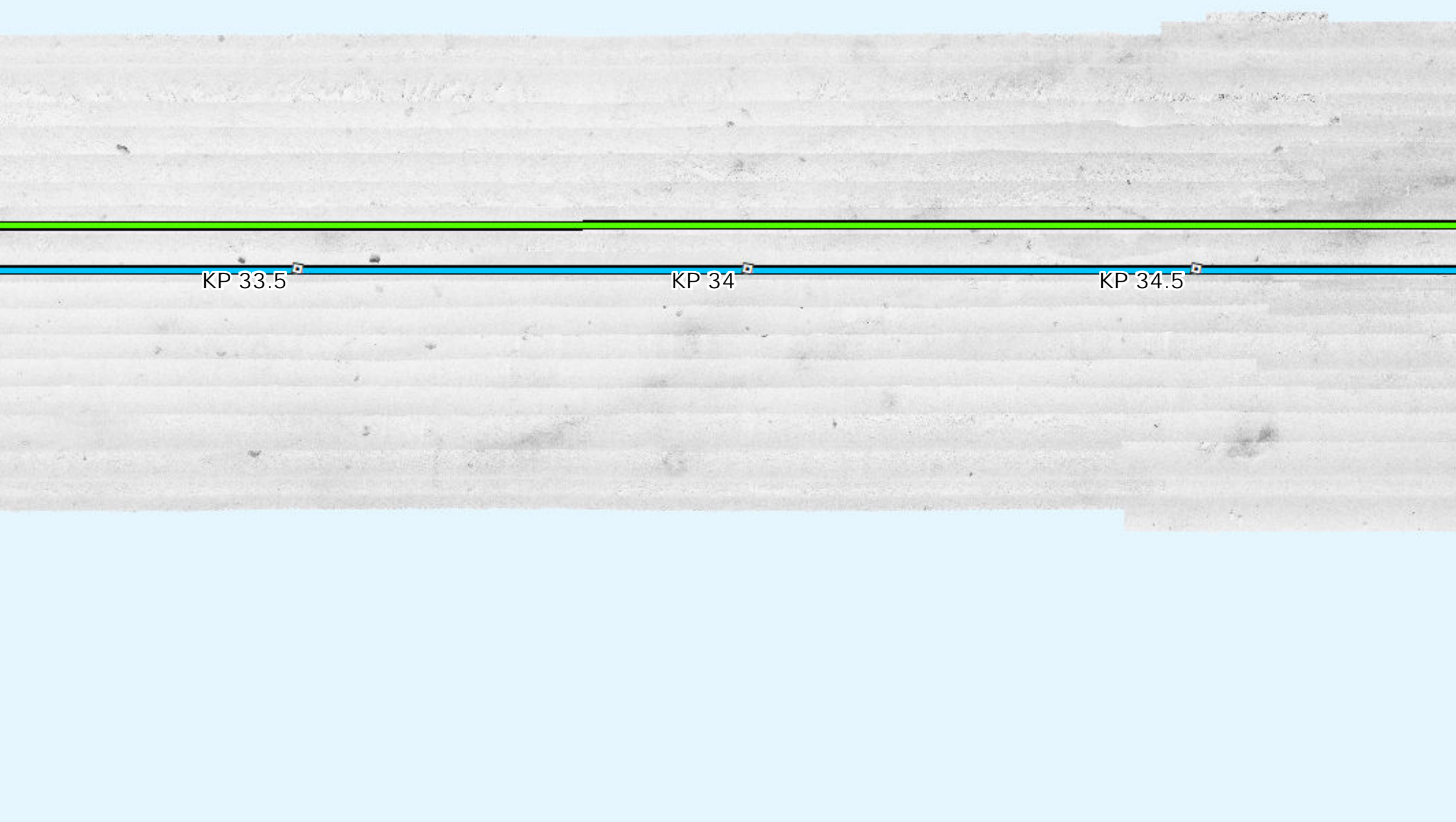
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



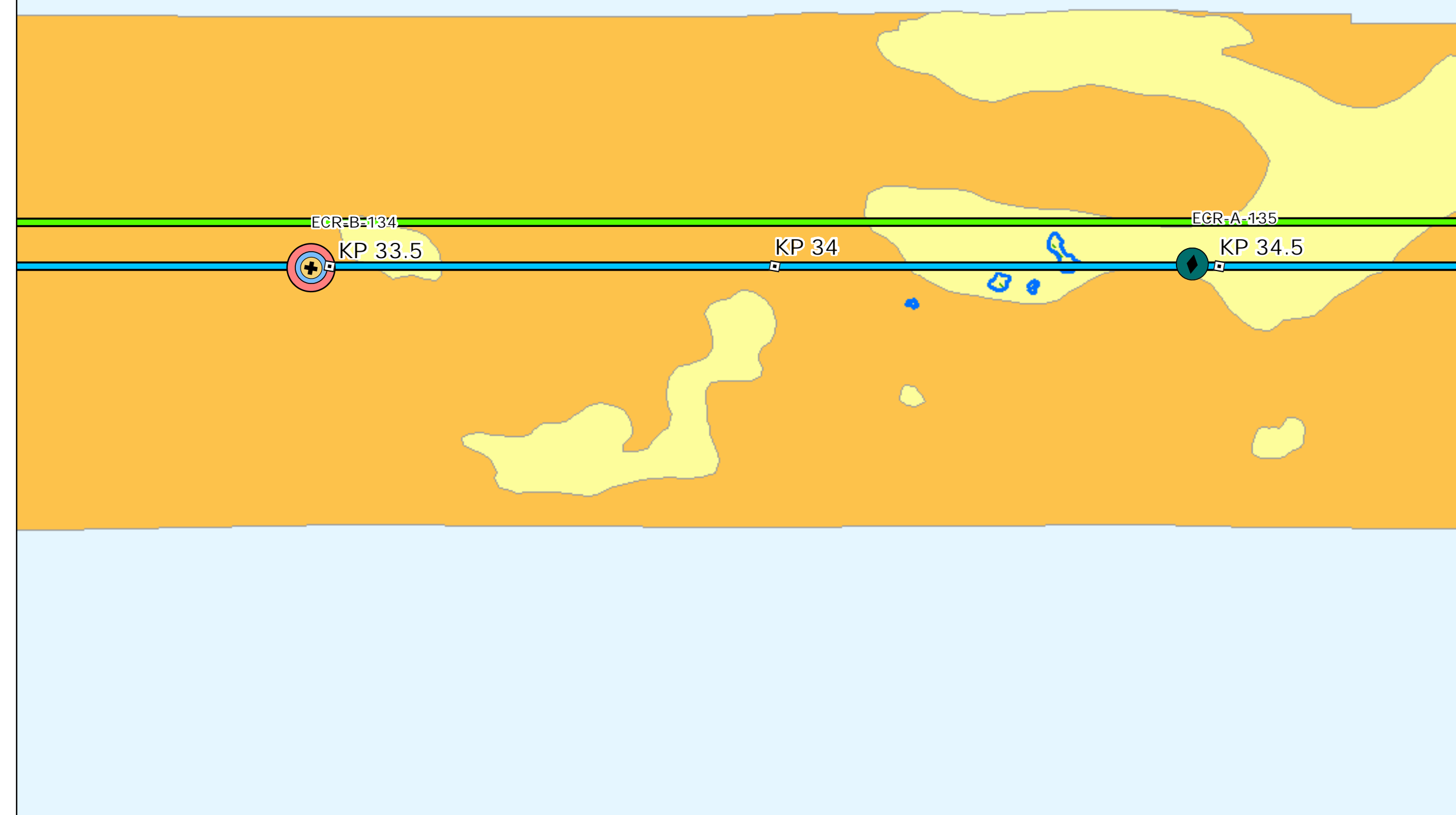
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

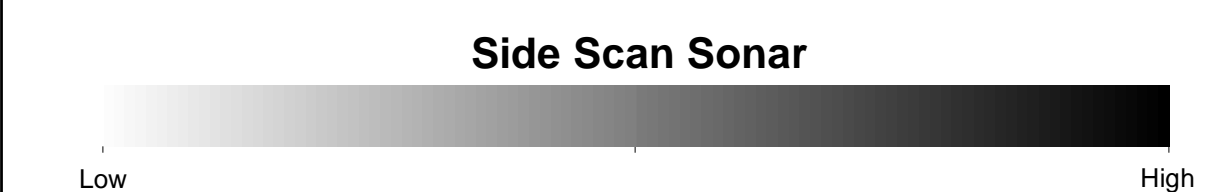
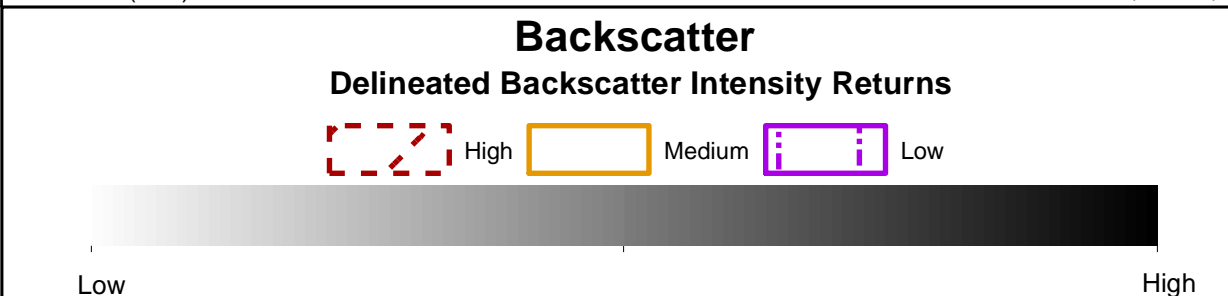
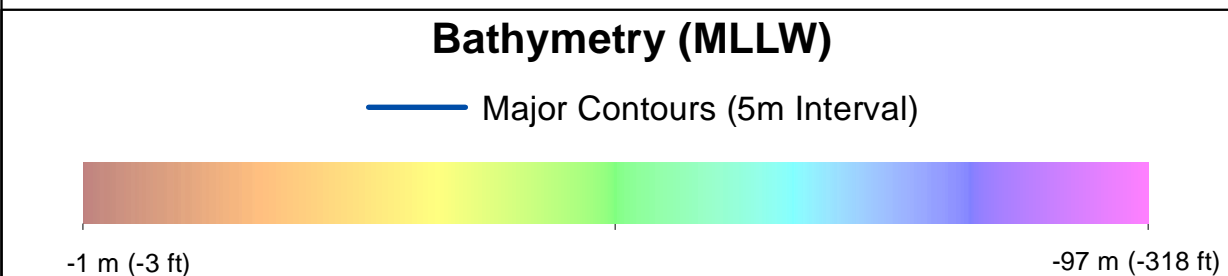
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

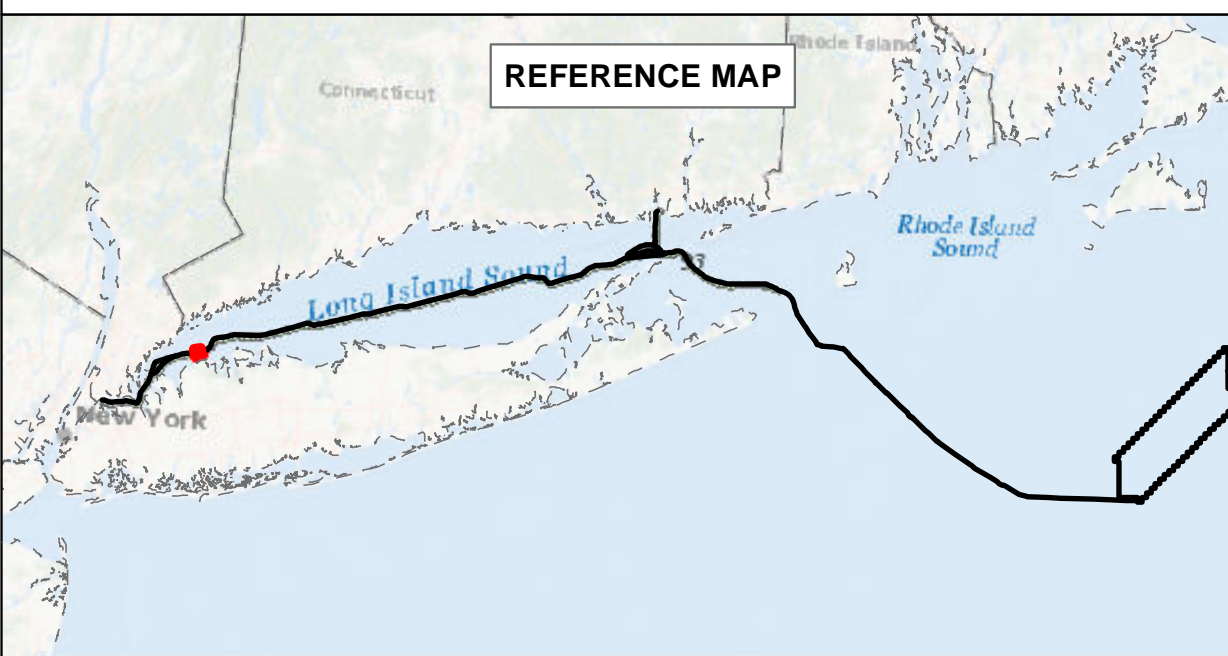


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
    - SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Gravelly Mud
    - Sandy Mud
  - CMECS Geoform**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
  - Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
    - Mixed Sediment/Complex Habitat
    - Numerous Boulders/Large Grained Complex Habitat
    - Heterogeneous Complex Habitat
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

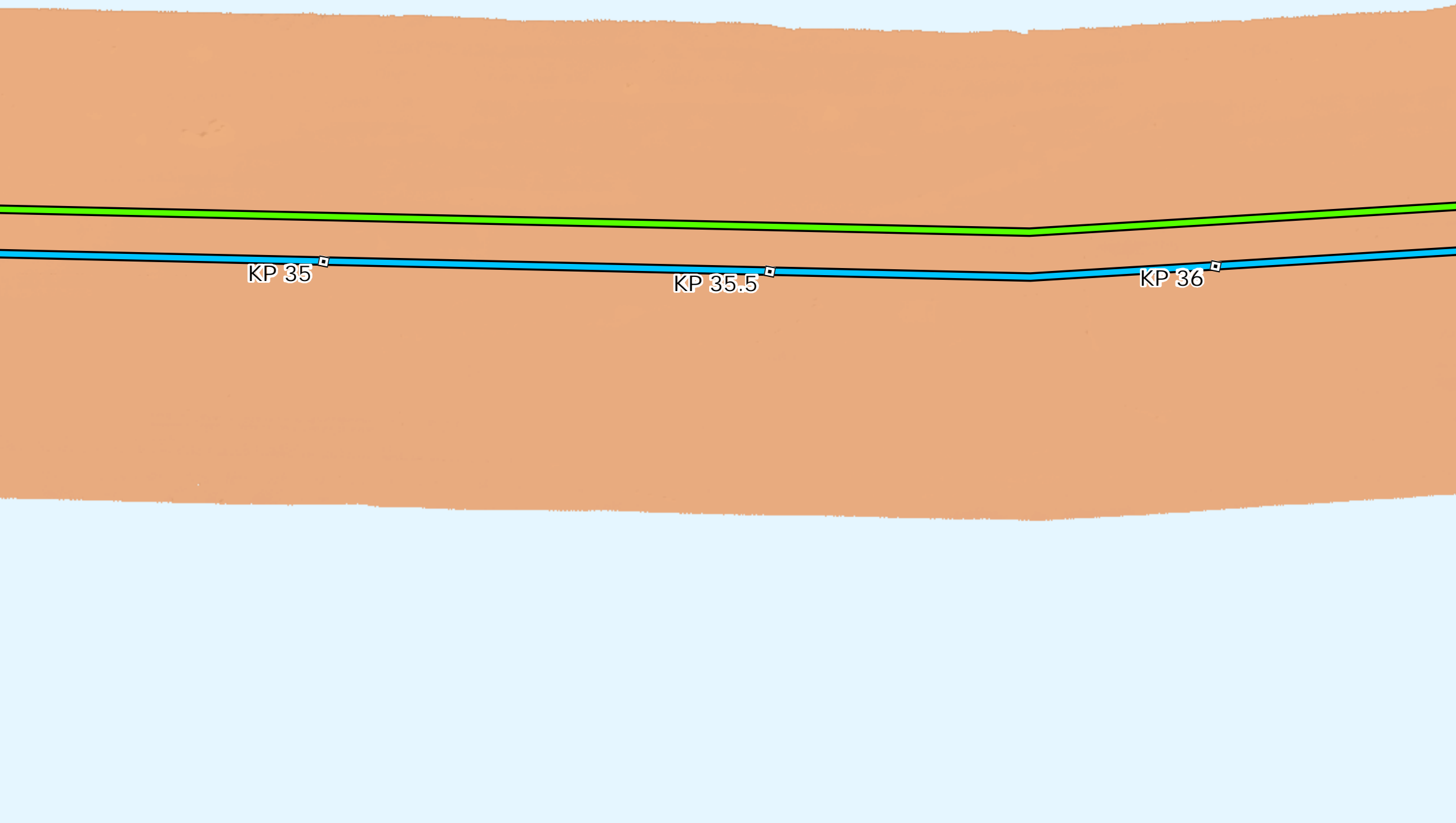
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 27

BW1 (NY) - KP 33.5 - KP 34.5  
BW2 (NY) - KP 33.5 - KP 34.5  
BW2 (CT) - N/A



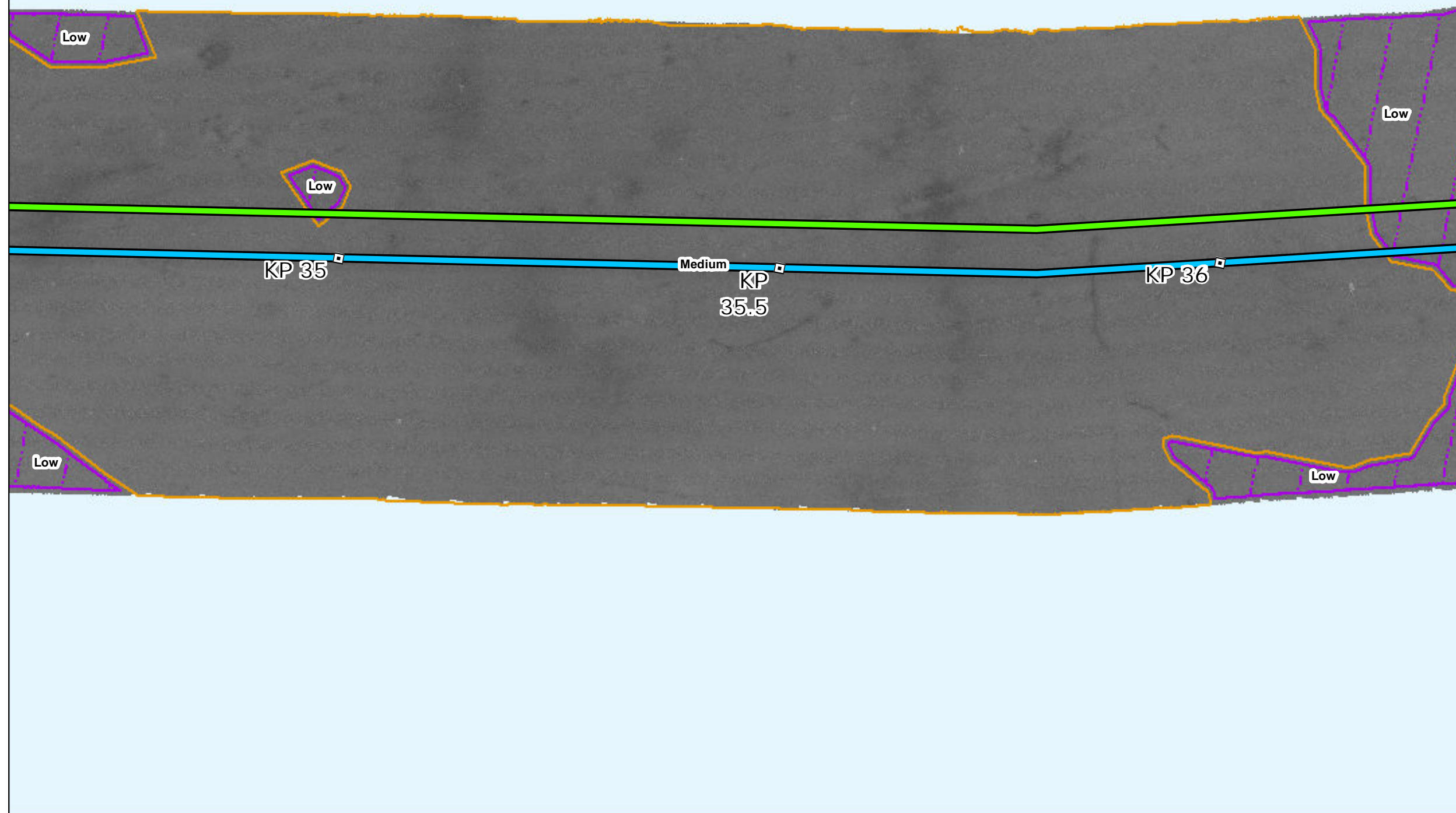
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



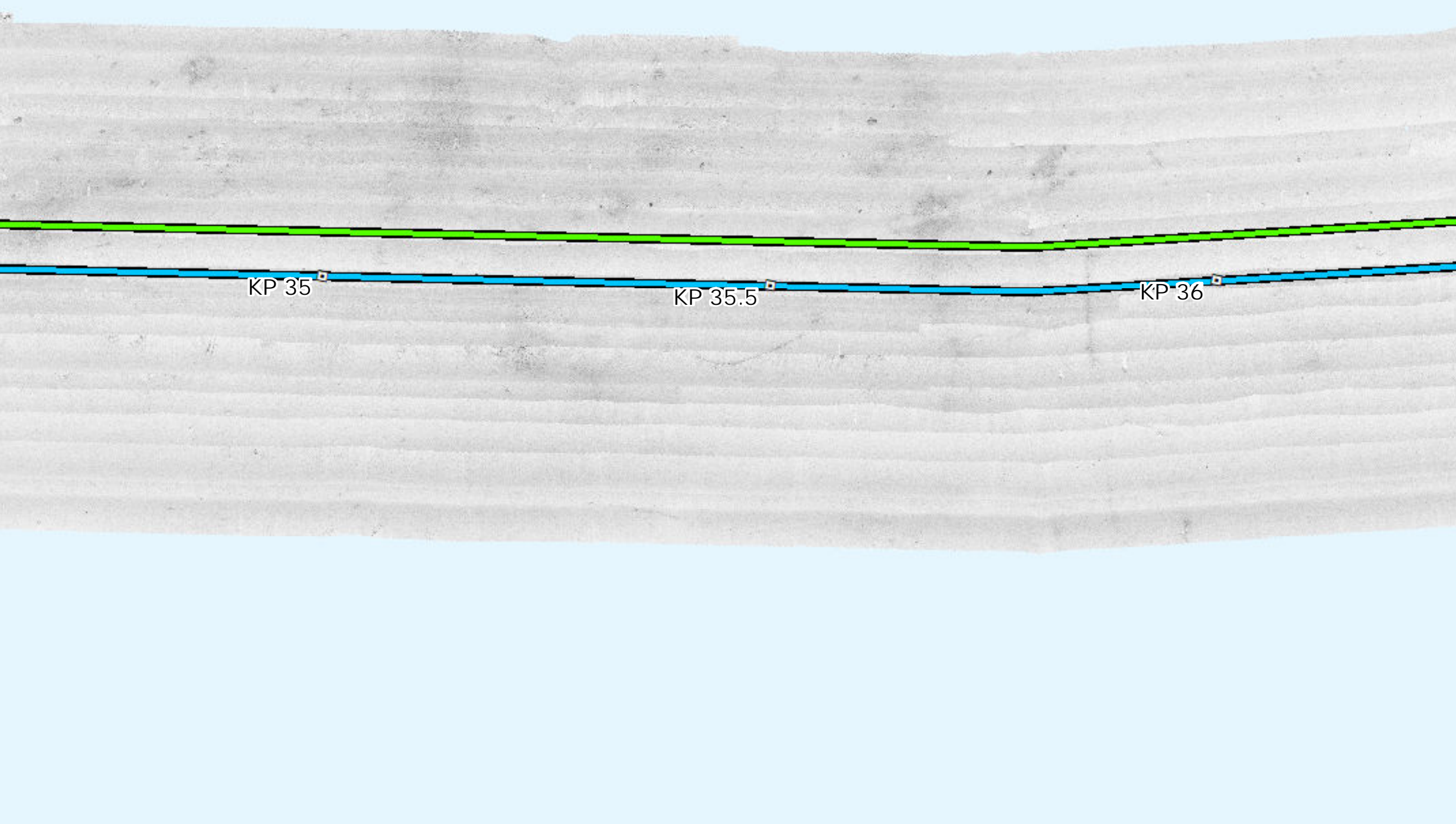
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



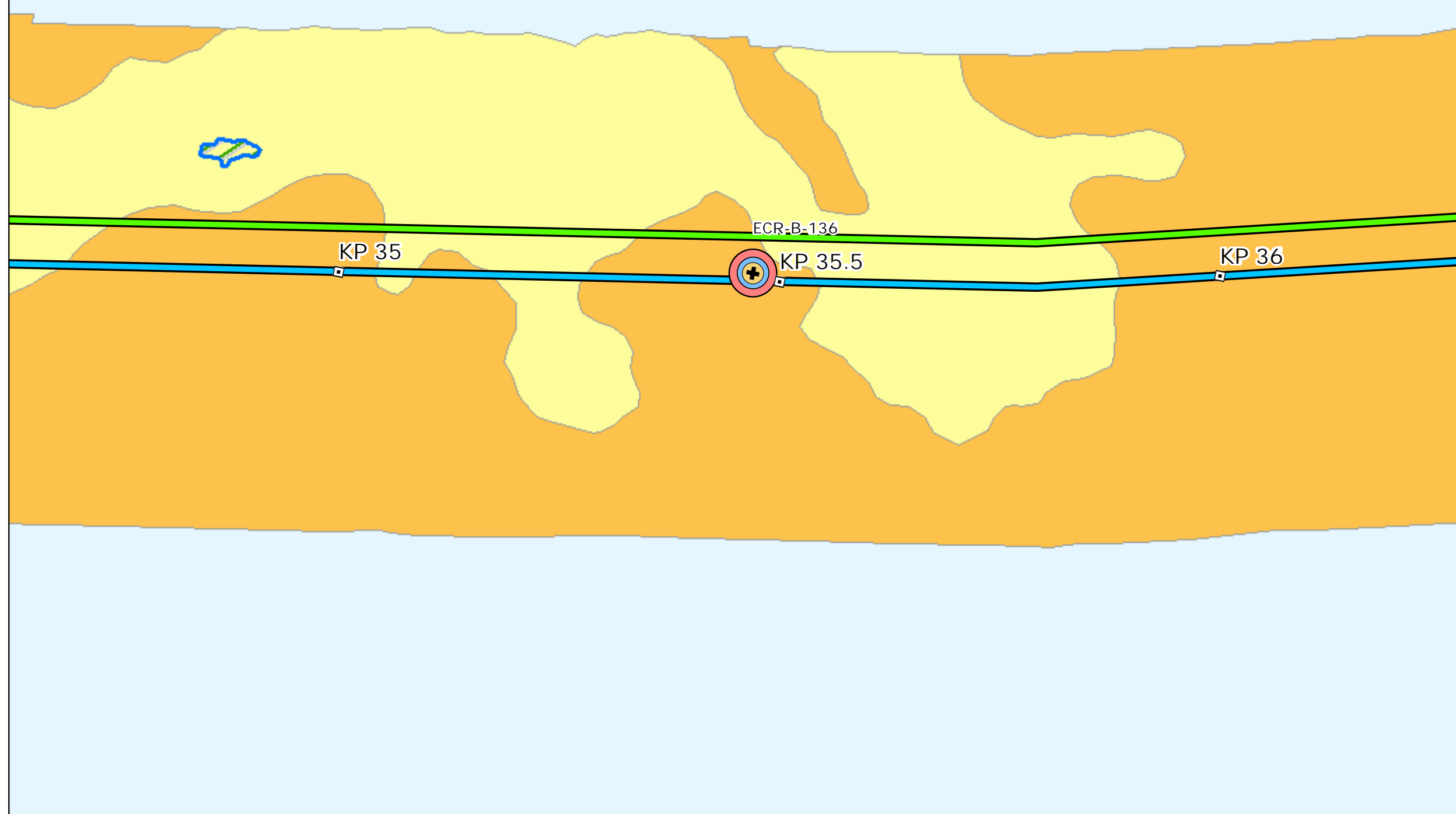
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

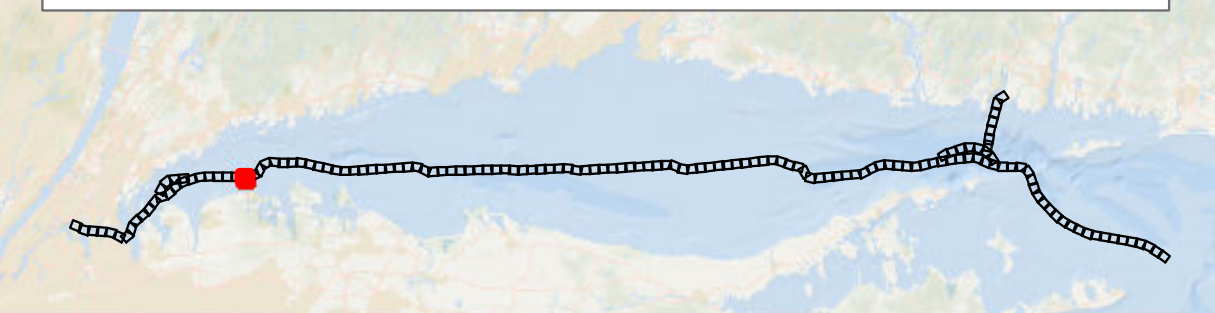


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

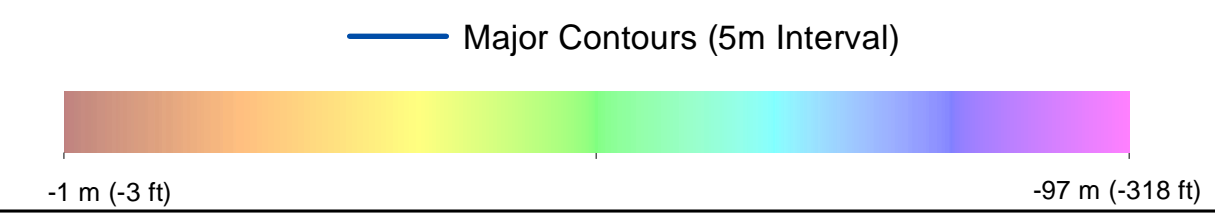


# Map Book Package for Submarine Export Cable Route in State Waters



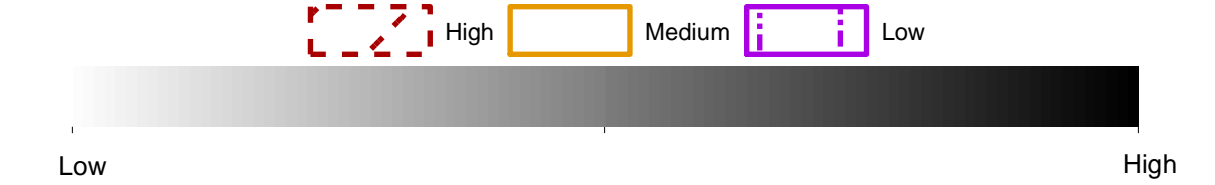
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter

### Delineated Backscatter Intensity Returns



## Side Scan Sonar



## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - + Grab and Video
  - Occasional Boulders/Large Grained Complex Habitat
- CMECS Biotic**
  - Soft Sediment Fauna
  - Heterogeneous Complex Habitat
- CMECS Substrate**
  - Gravelly Mud
- CMECS Geoform**
  - Burrows/Bioturbation

## Interpreted Seabed Sediment/NMFS Habitat Characterization

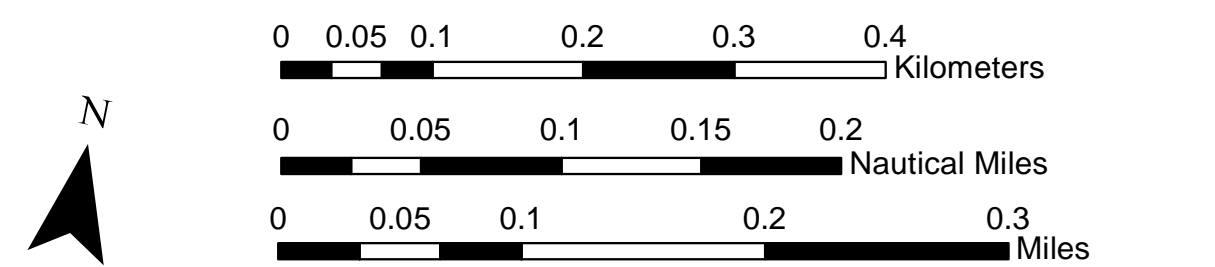
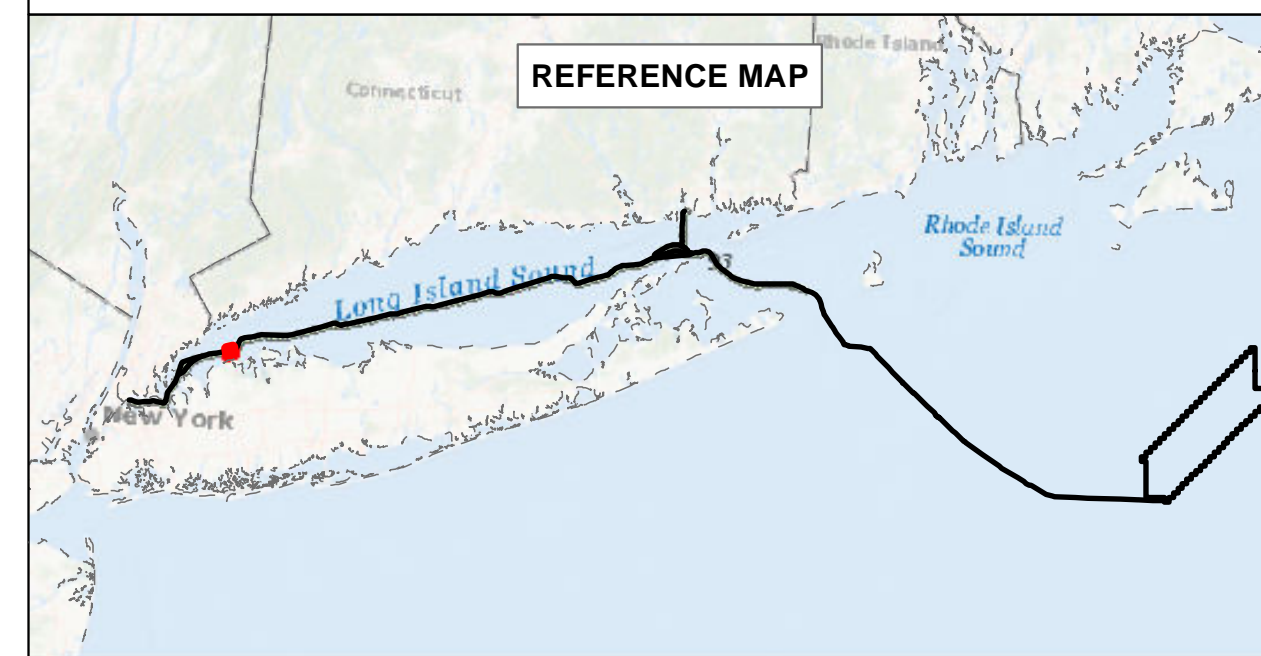
- Mud and Sandy Mud/Soft Bottom Habitat
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

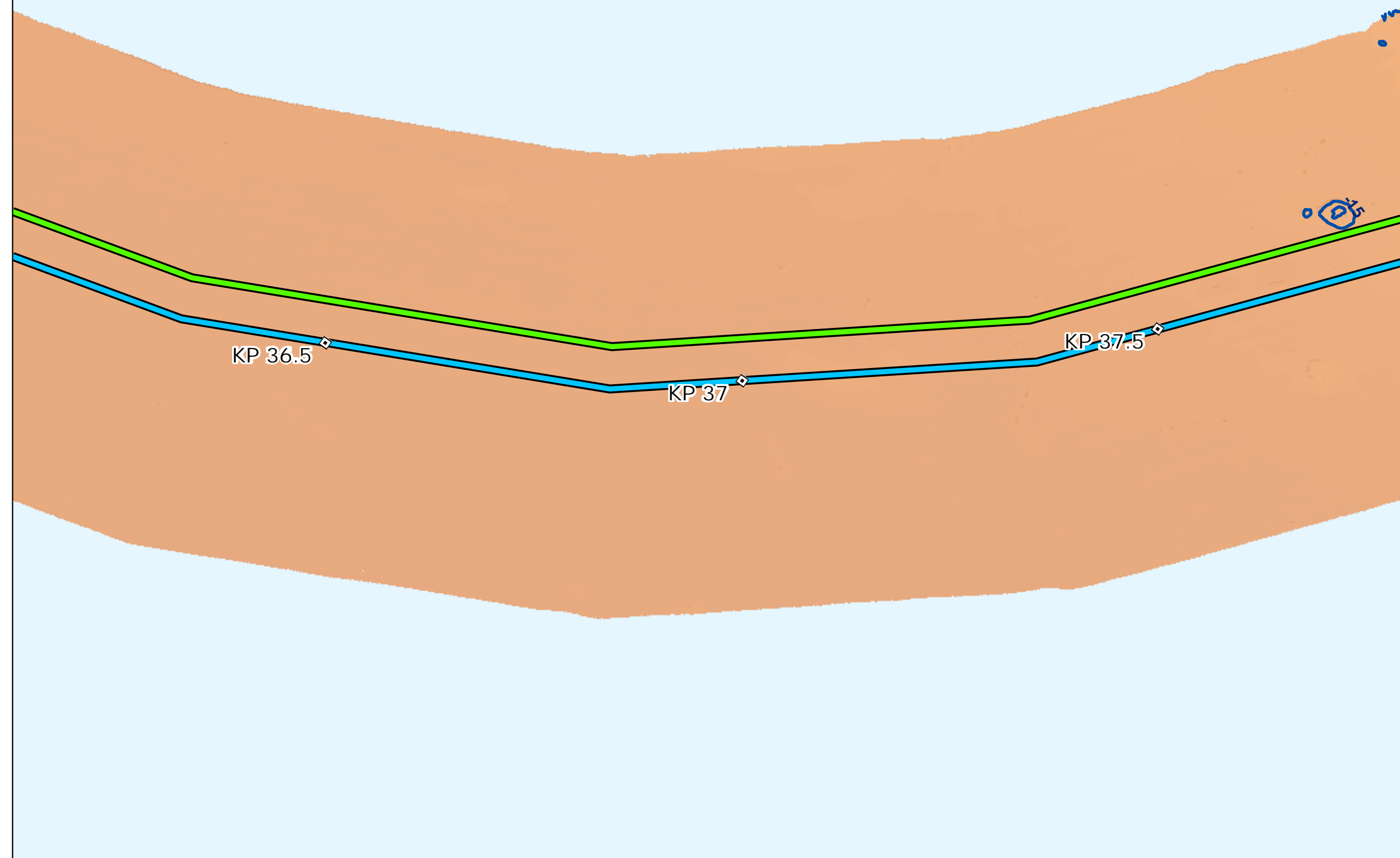
## Map Book Package for Submarine Export Cable Route in State Waters Tile 28

- BW1 (NY) - KP 35 - KP 36
- BW2 (NY) - KP 35 - KP 36
- BW2 (CT) - N/A



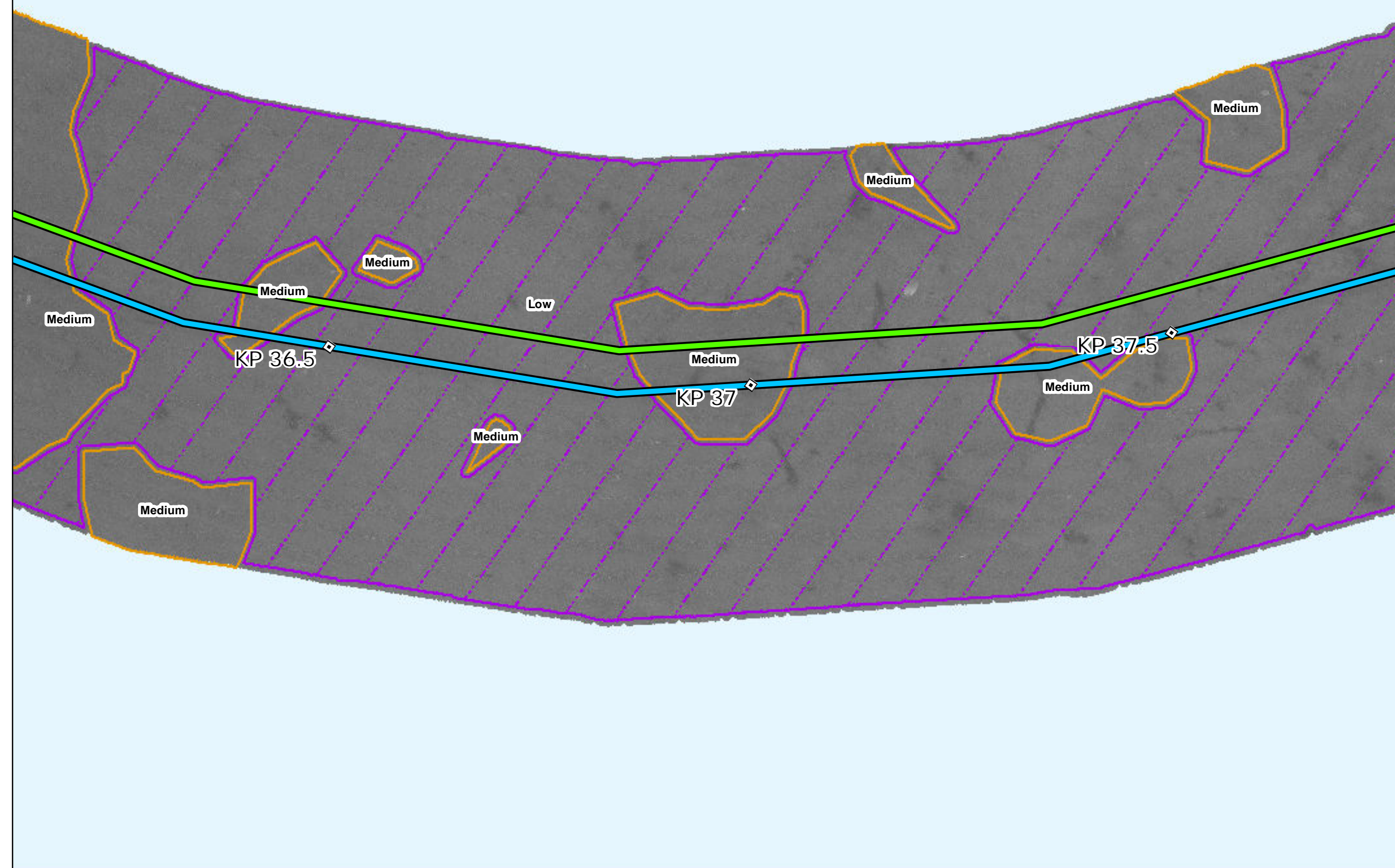
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



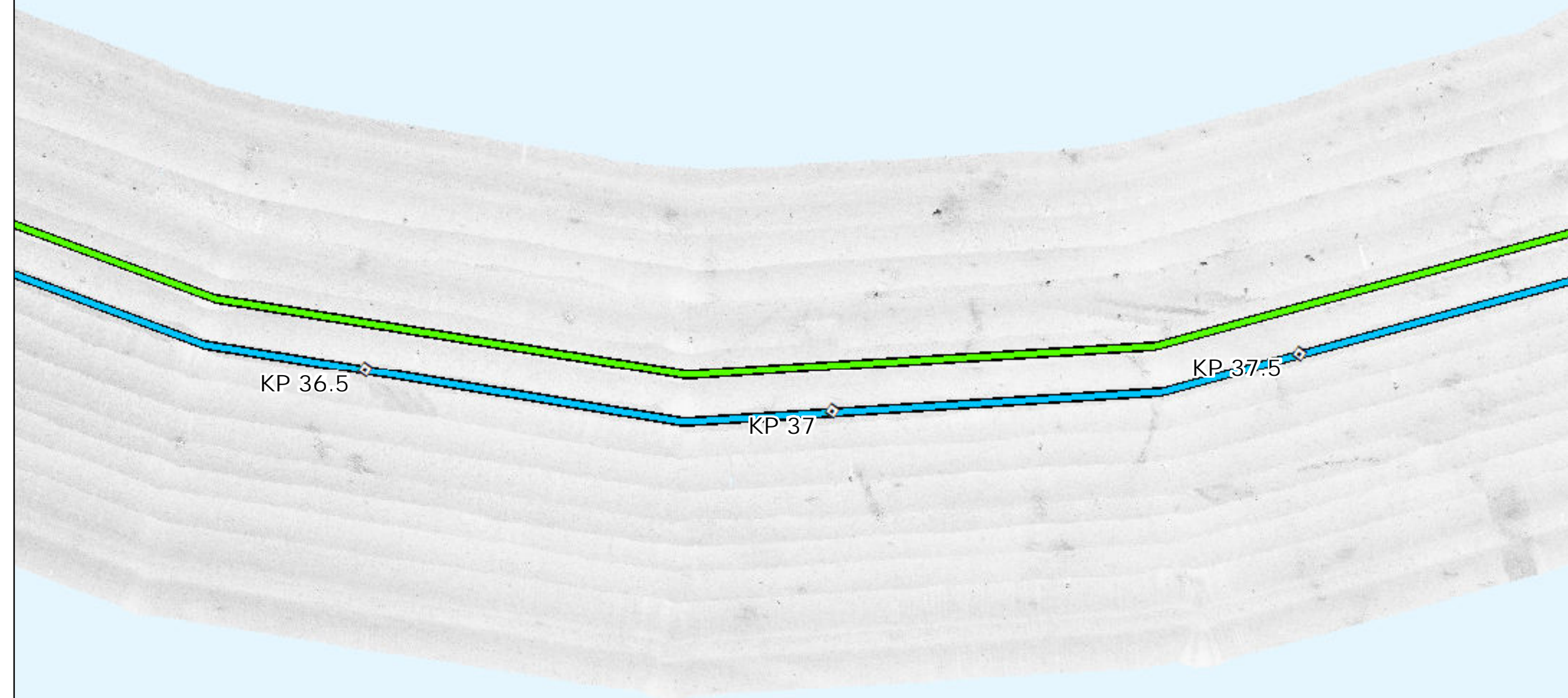
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



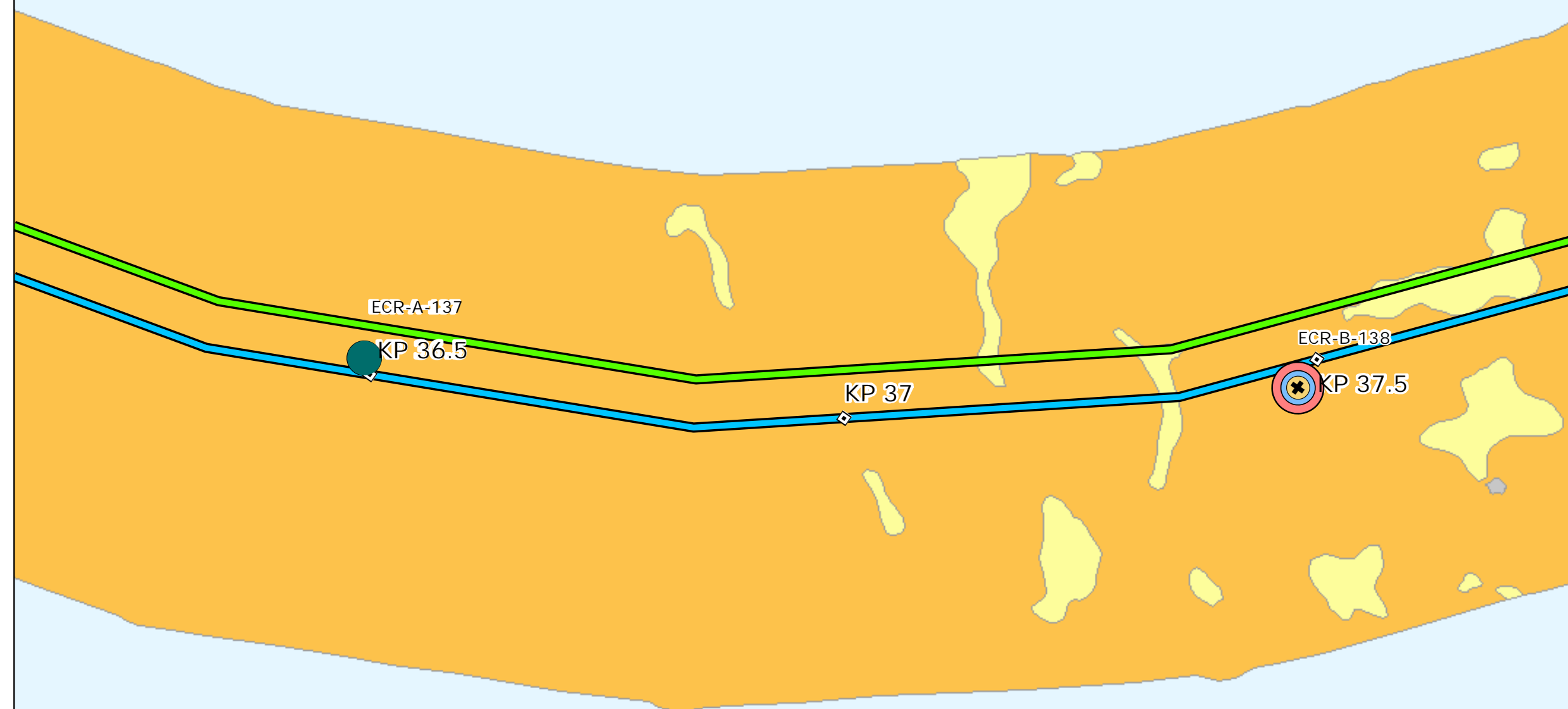
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

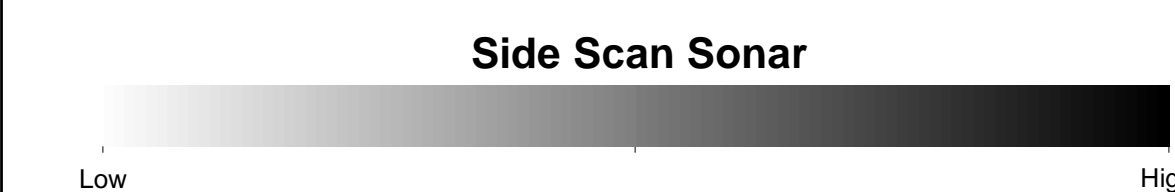
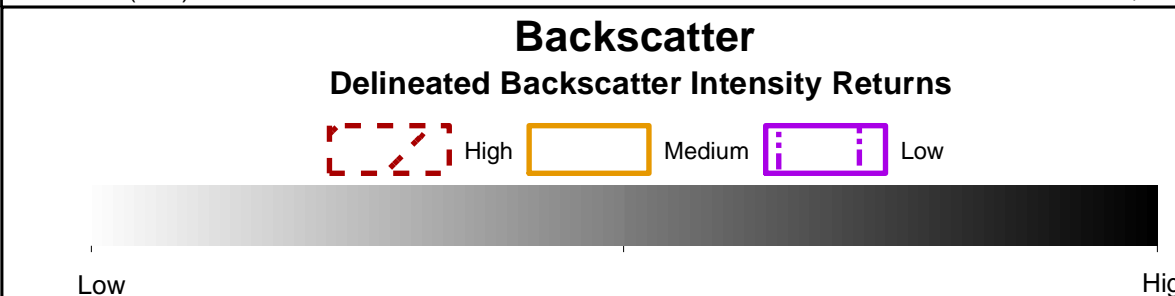
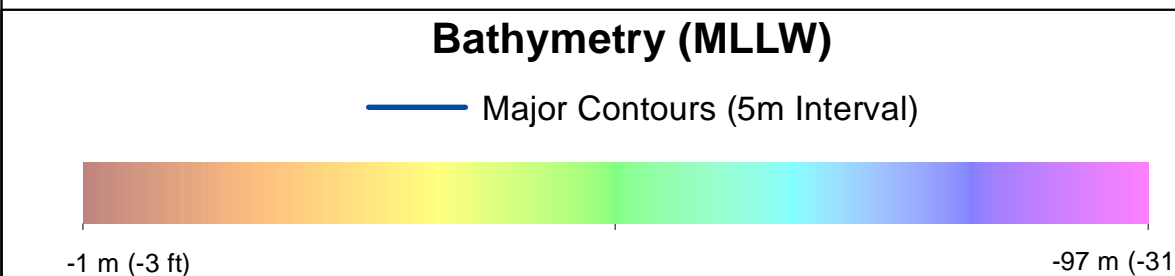
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

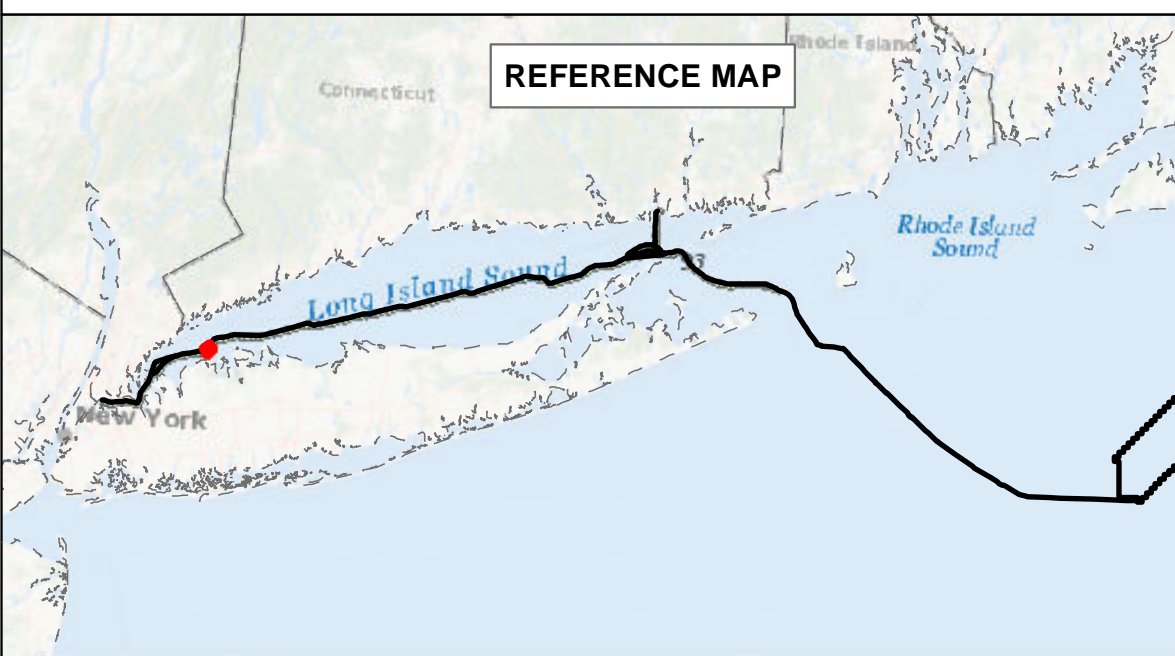


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - ✦ Grab and Video
    - ◆ SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Gravelly Mud
    - Sandy Mud
  - CMECS Geomorph**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
    - Till/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 29

BW1 (NY) - KP 36.5 - KP 37.5  
BW2 (NY) - KP 36.5 - KP 37.5  
BW2 (CT) - N/A



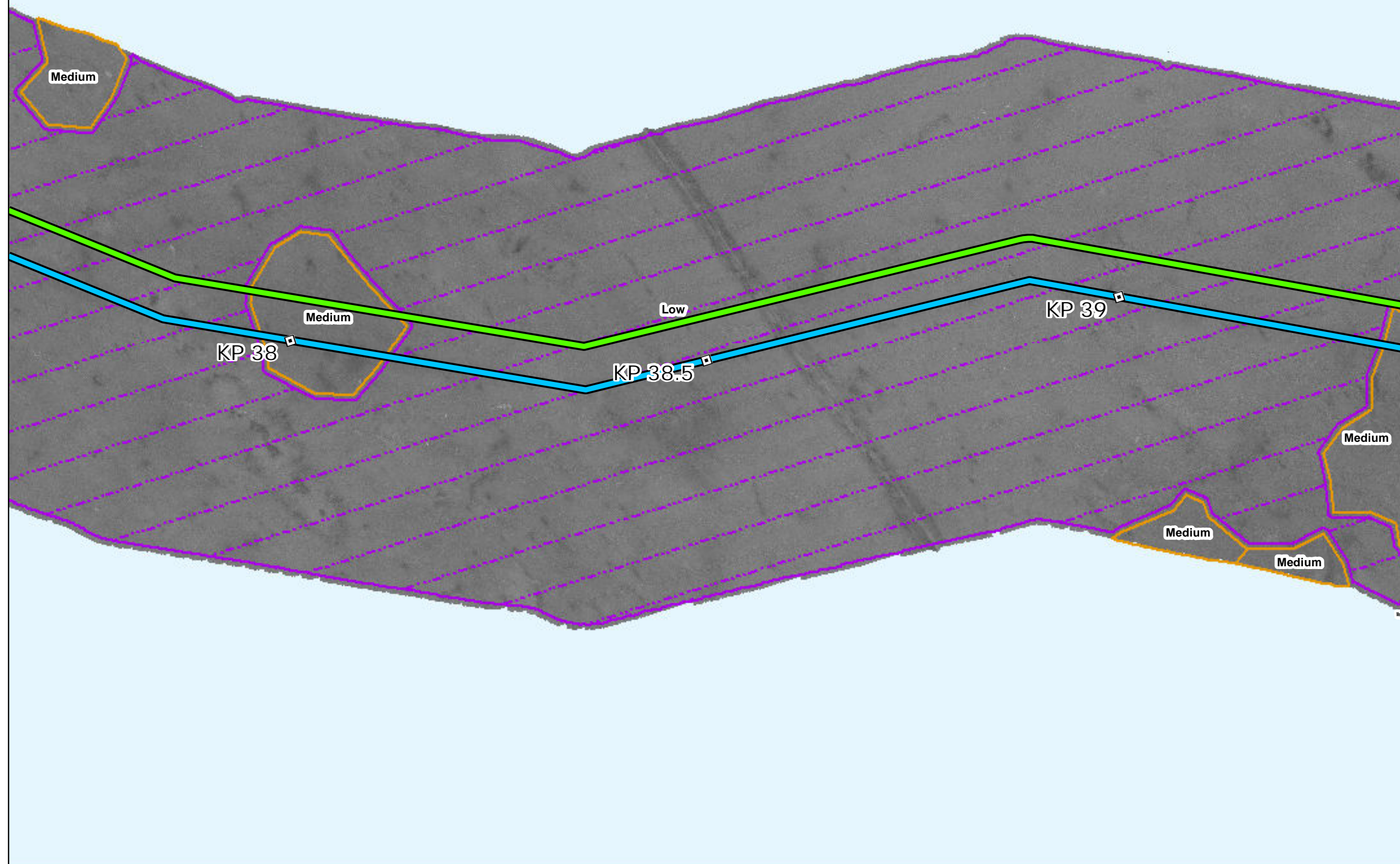
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



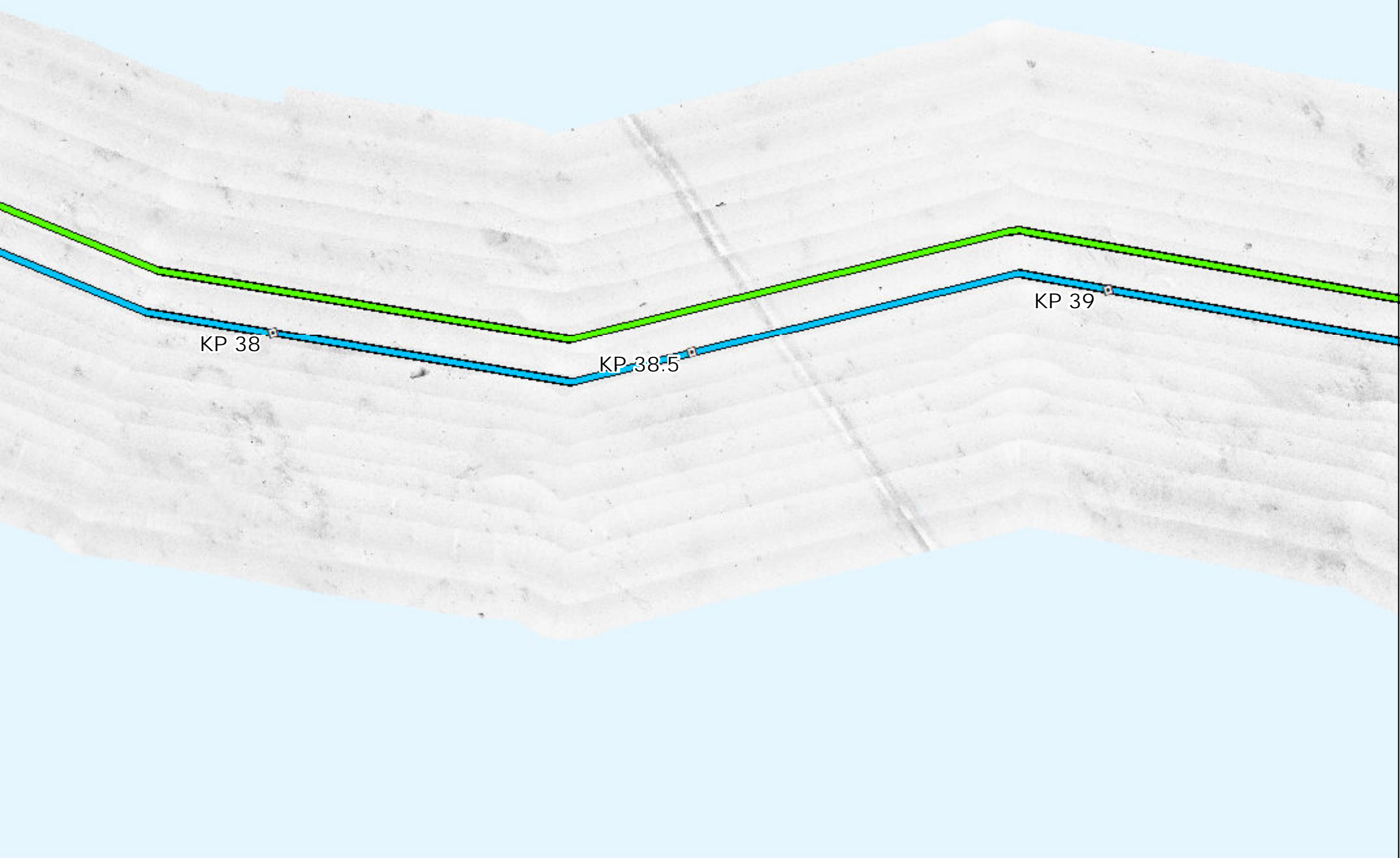
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

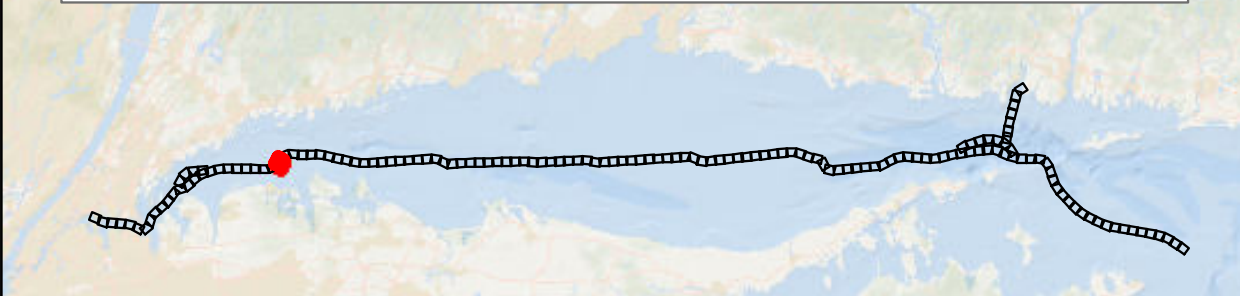


# Interpreted Seabed Sediment/NMFS Habitat Characterization

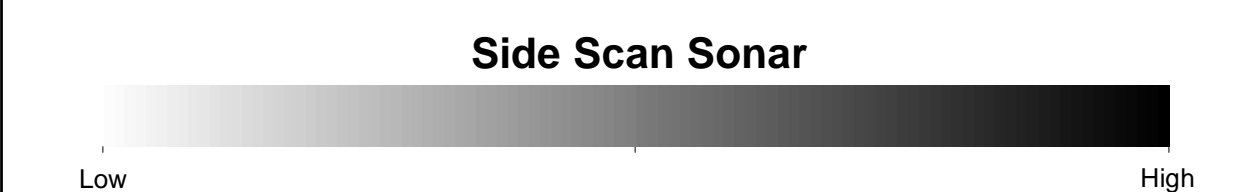
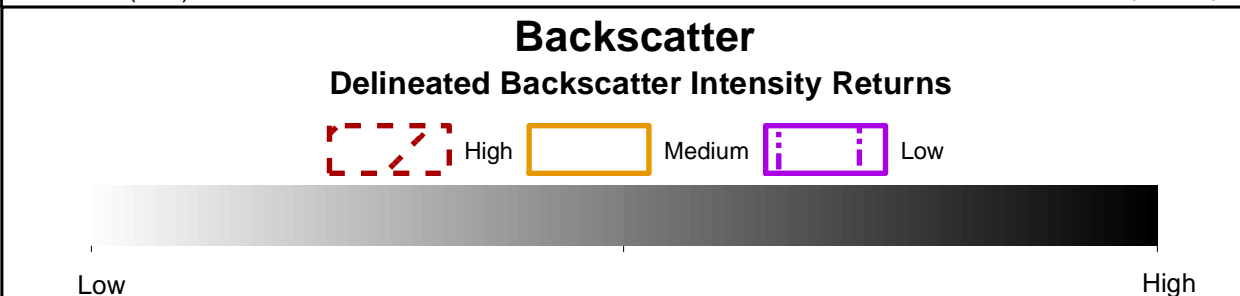
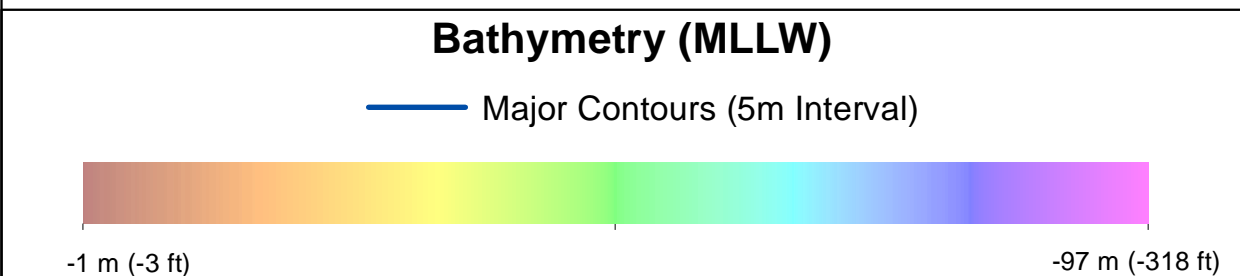
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



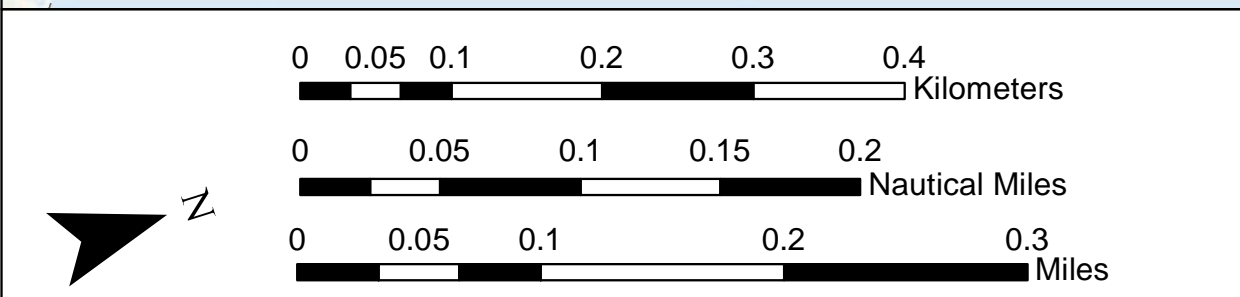
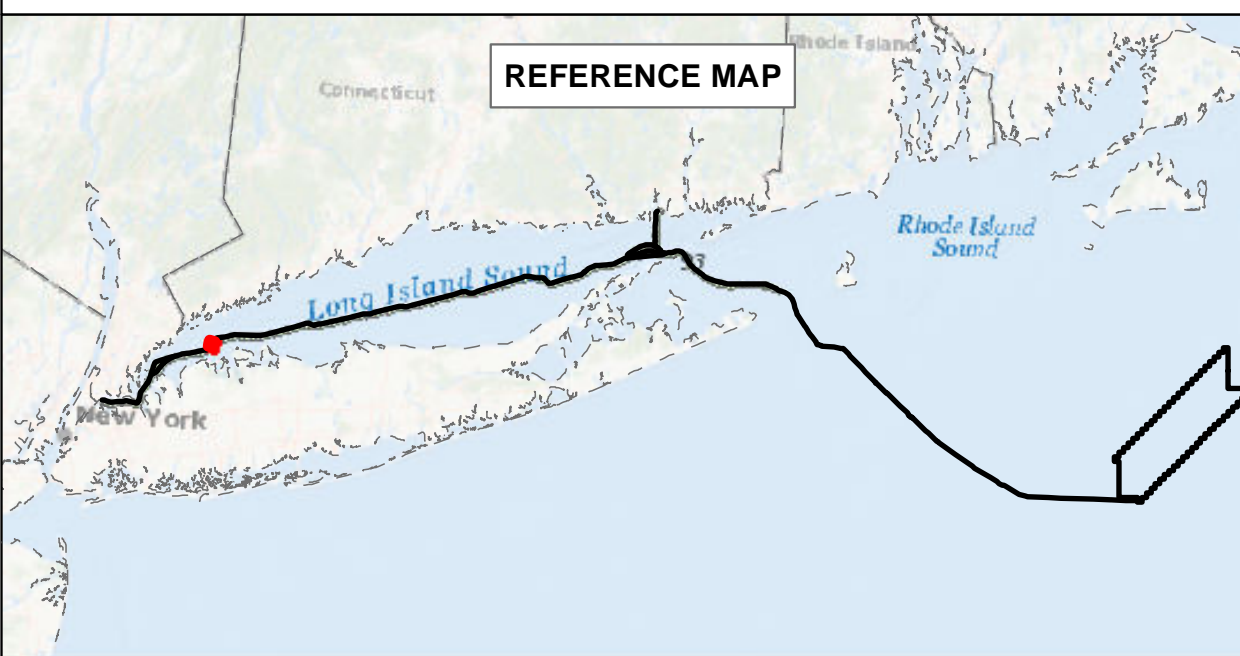
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ◆ SPI/PV
- CMECS Substrate**
- Sandy Mud
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
  - Till/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

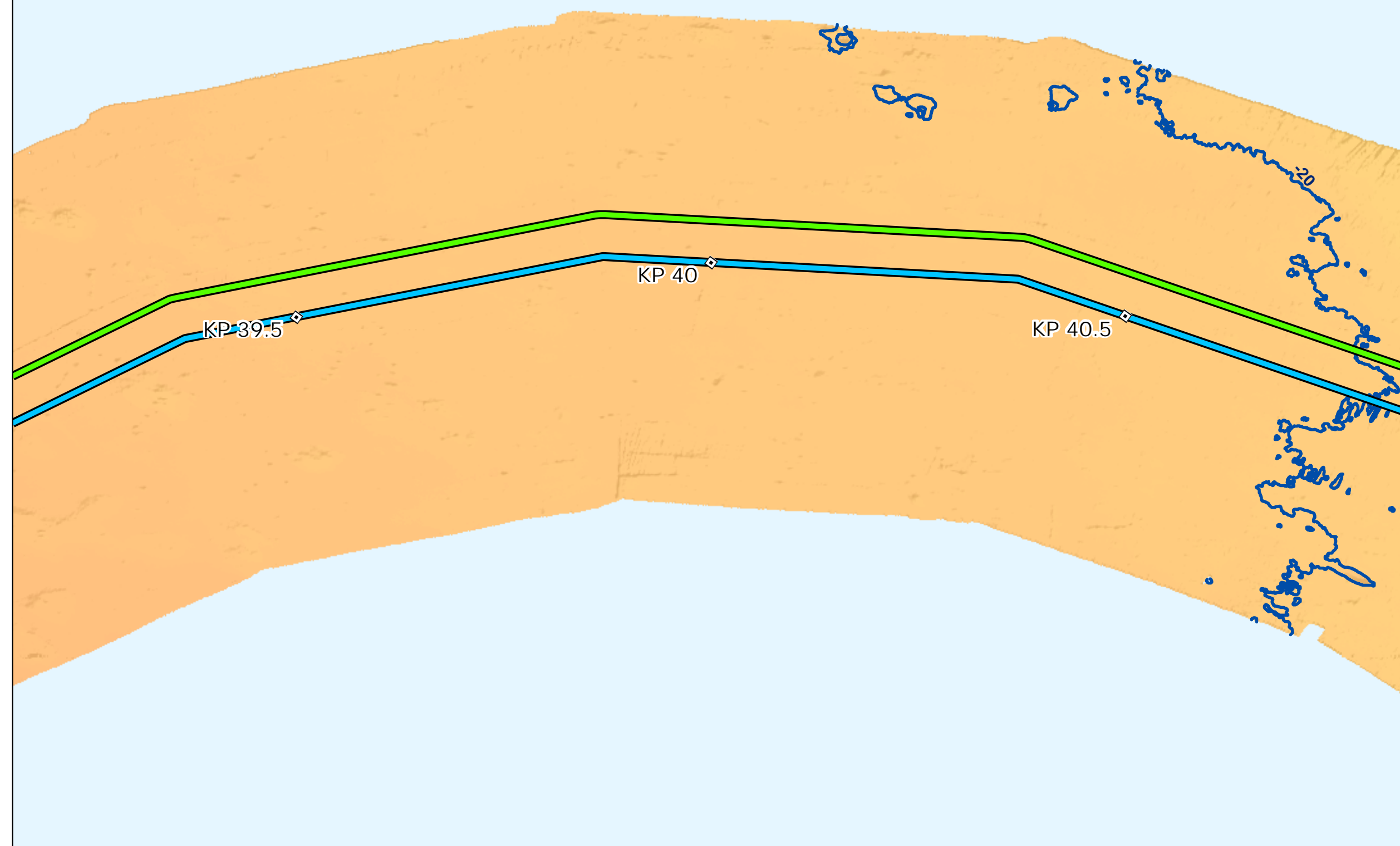
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 30

BW1 (NY) - KP 38 - KP 39  
BW2 (NY) - KP 38 - KP 39  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



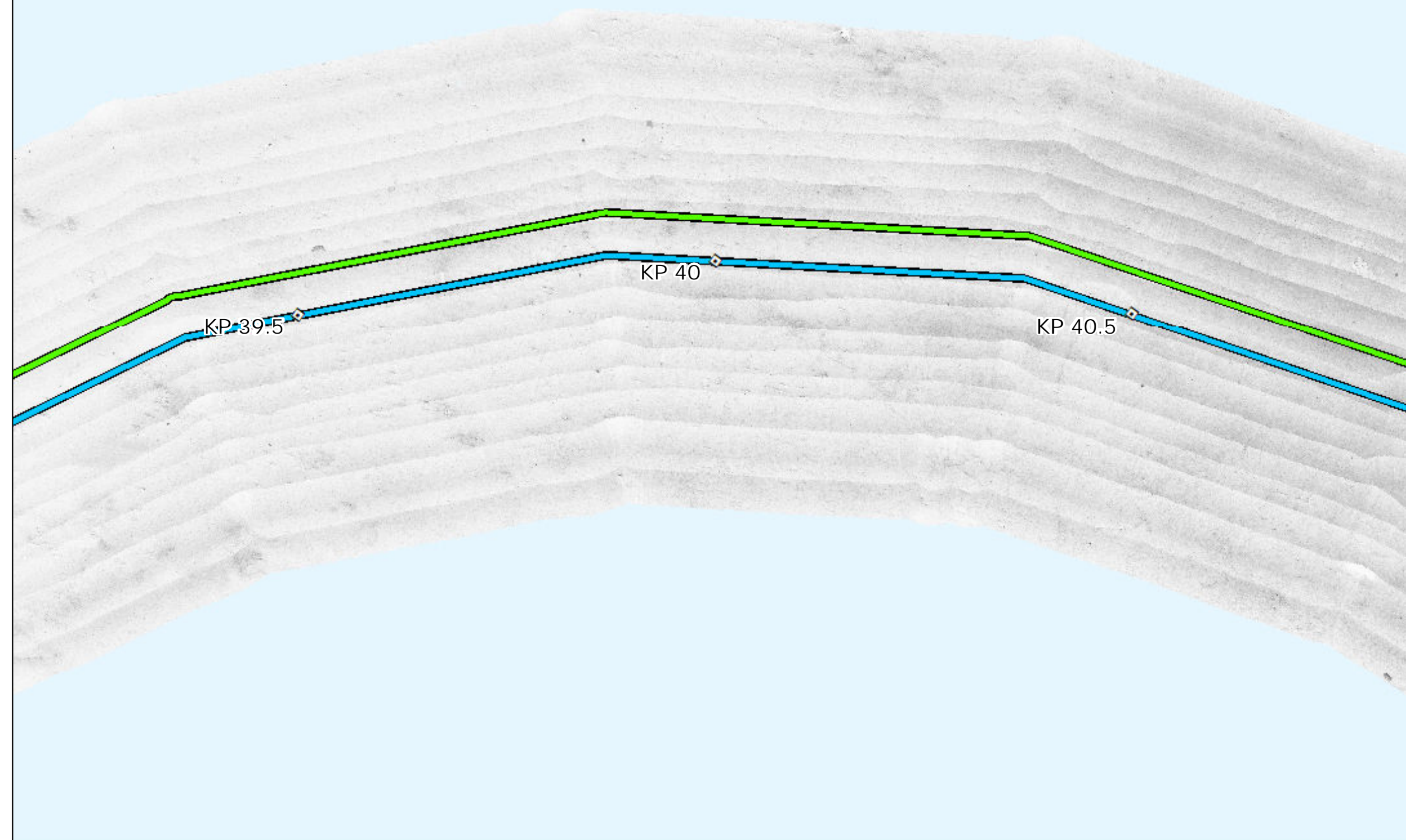
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



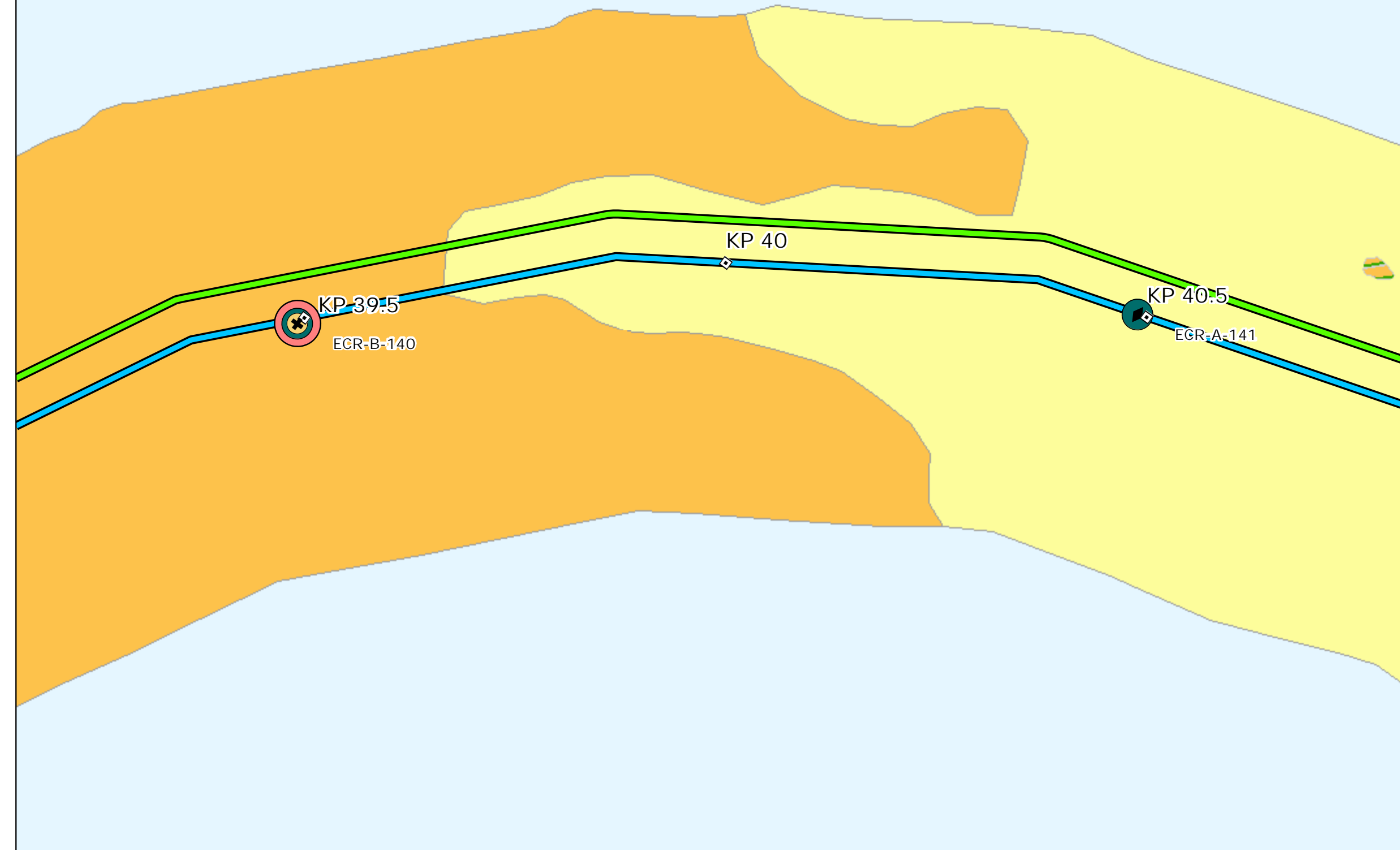
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

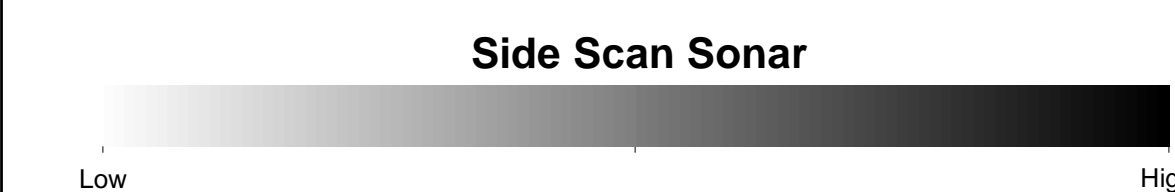
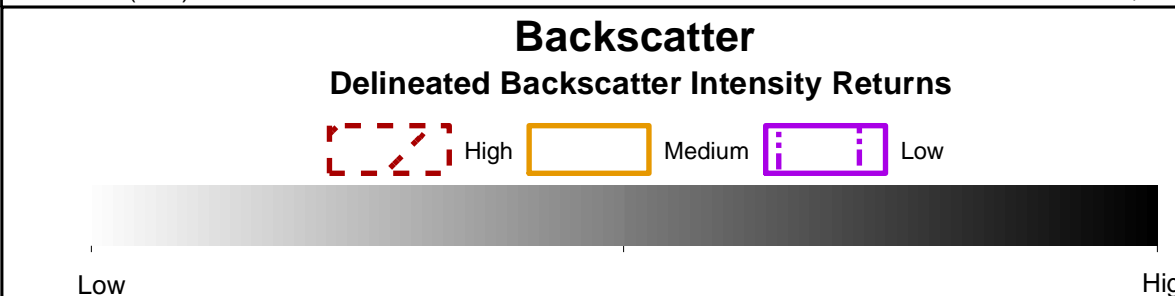
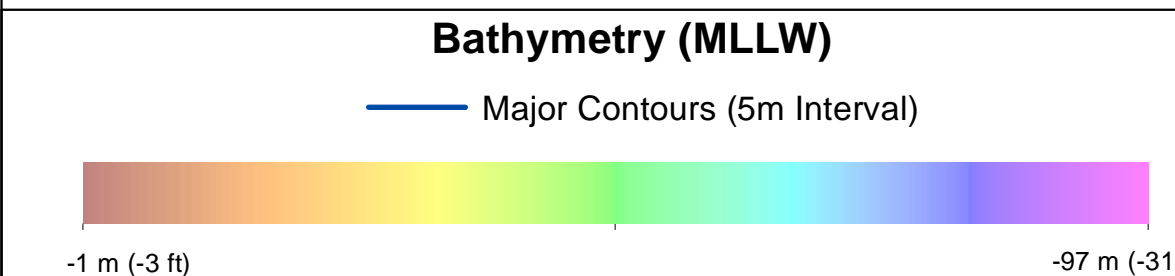
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



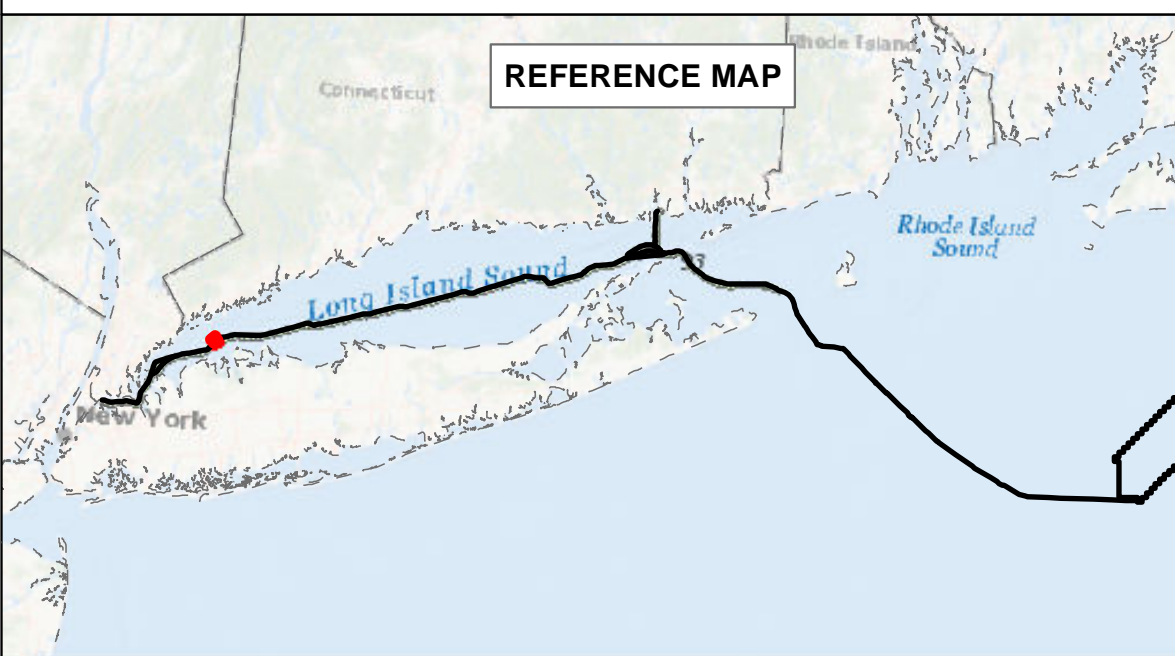
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - ✦ Grab and Video
    - ◆ SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Sandy Mud
  - CMECS Geoform**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mixed Sediment/Complex Habitat
    - Occasional Boulders/Large Grained Complex Habitat
    - Mud and Sandy Mud/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 31

BW1 (NY) - KP 39.5 - KP 40.5  
 BW2 (NY) - KP 39.5 - KP 40.5  
 BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



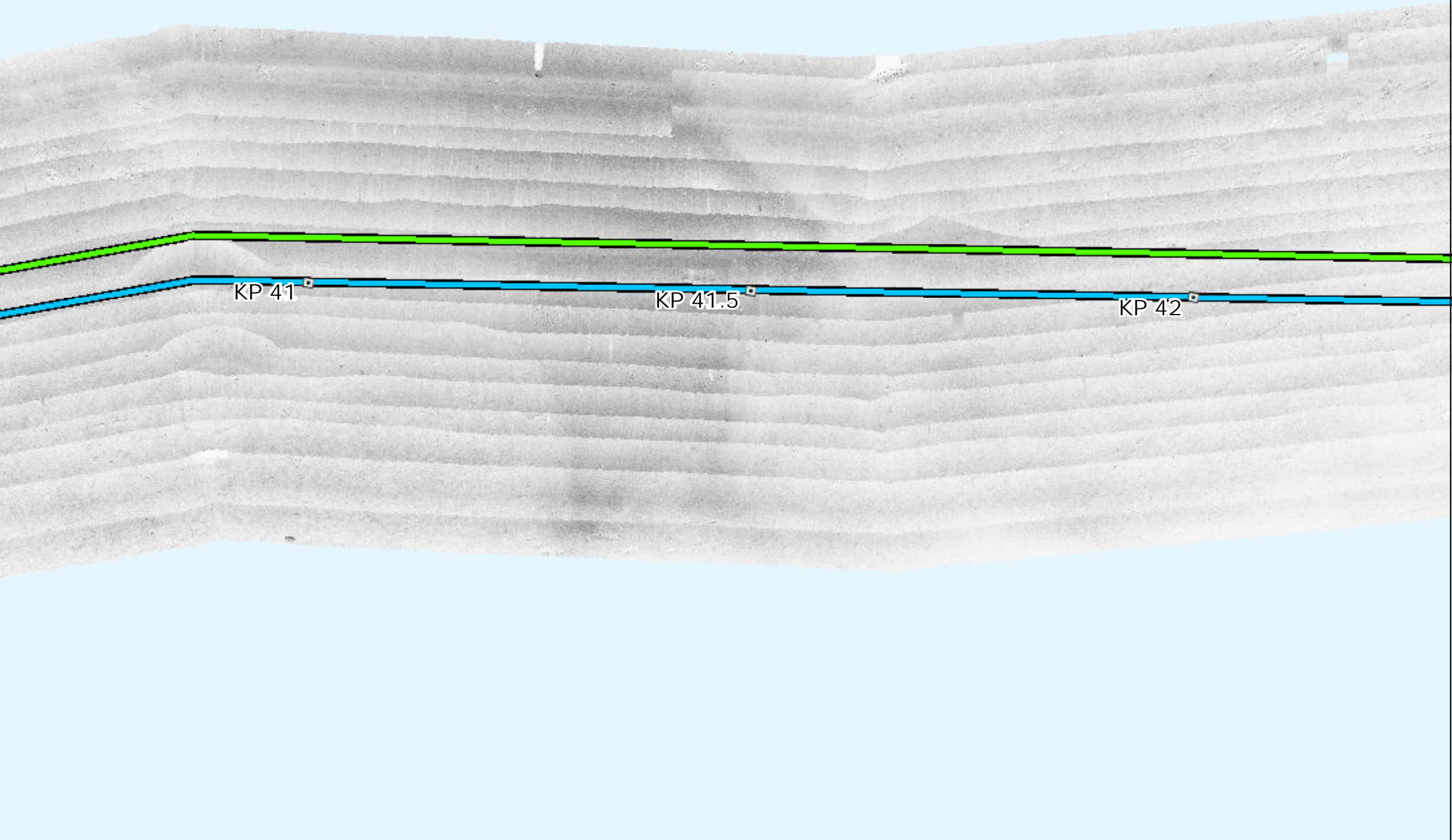
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



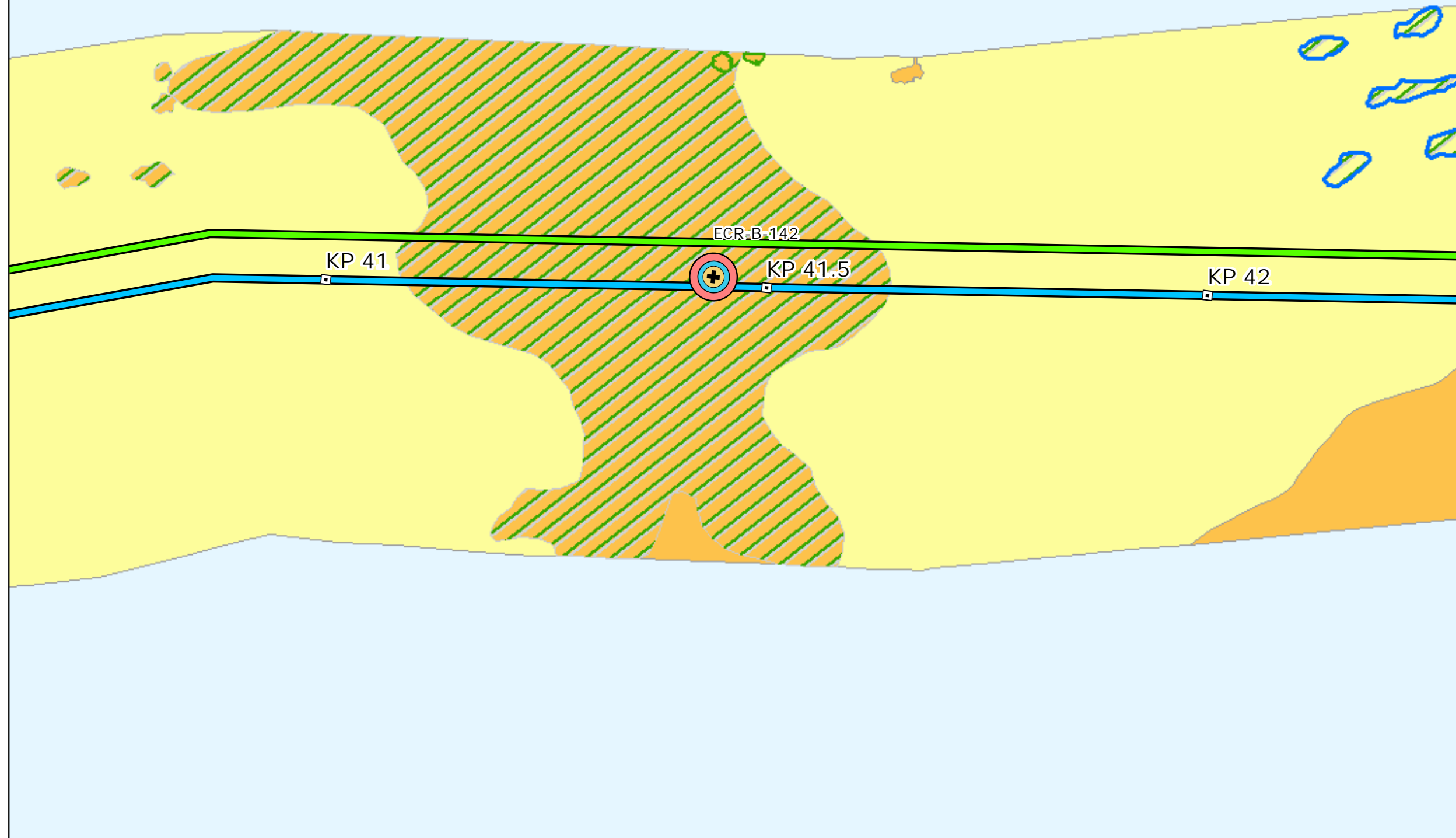
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

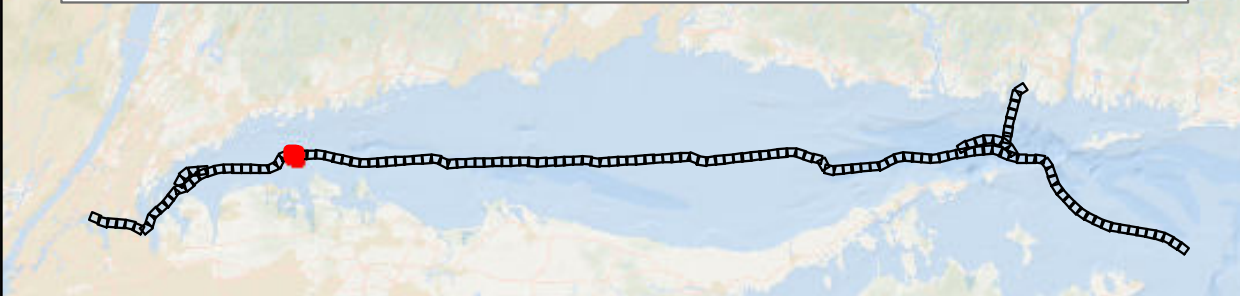


# Interpreted Seabed Sediment/NMFS Habitat Characterization

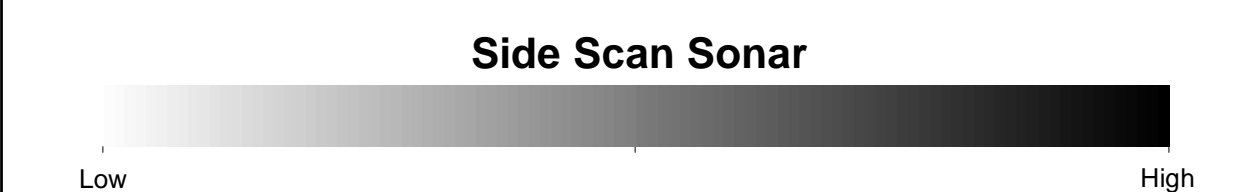
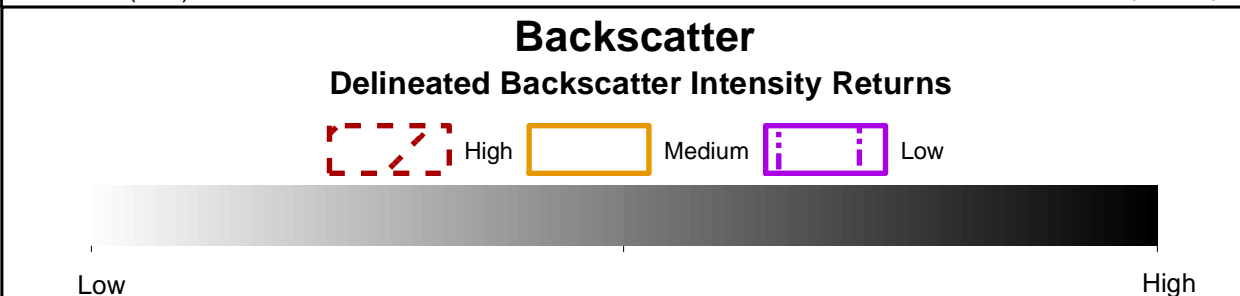
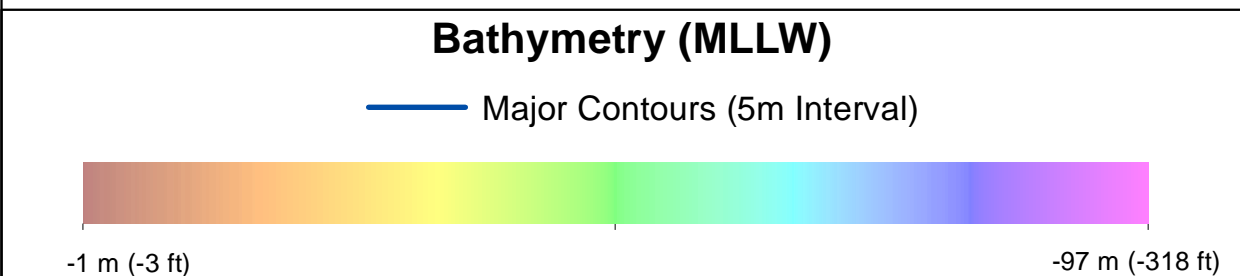
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

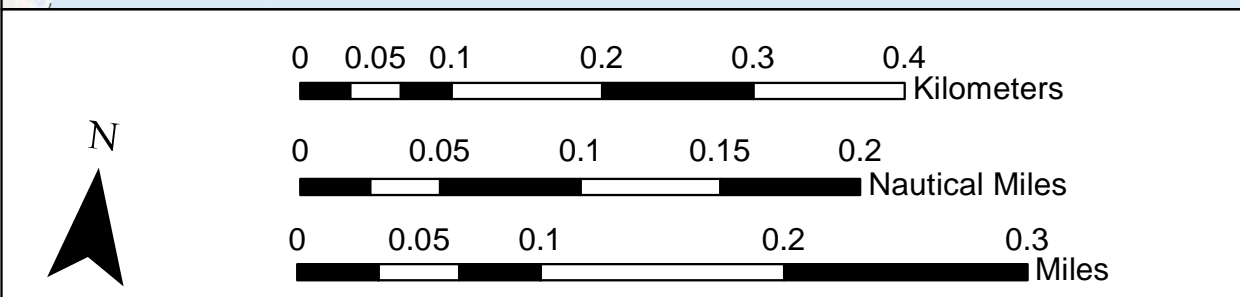
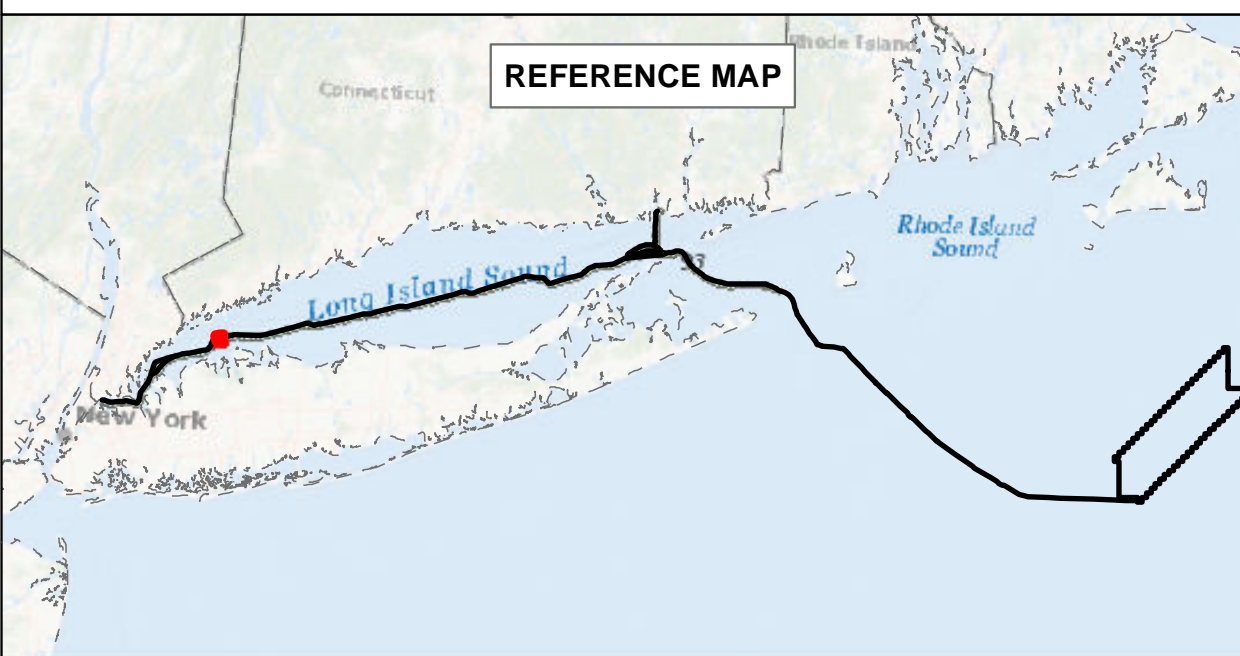


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |   |                      |   |   |
|------------------------|---|----------------------|---|---|
| <b>Station Type</b>    | + | Grab and Video       | ■ | Numerous Boulders/Large Grained Complex Habitat   |
| <b>CMECS Biotic</b>    | ● | Soft Sediment Fauna  | ■ | Occasional Boulders/Large Grained Complex Habitat |
| <b>CMECS Substrate</b> | ● | Gravelly Muddy Sand  | ■ | Heterogeneous Complex Habitat                     |
| <b>CMECS Geoform</b>   | ● | Burrows/Bioturbation |   |   |
- ### Interpreted Seabed Sediment/NMFS Habitat Characterization
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
  - Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

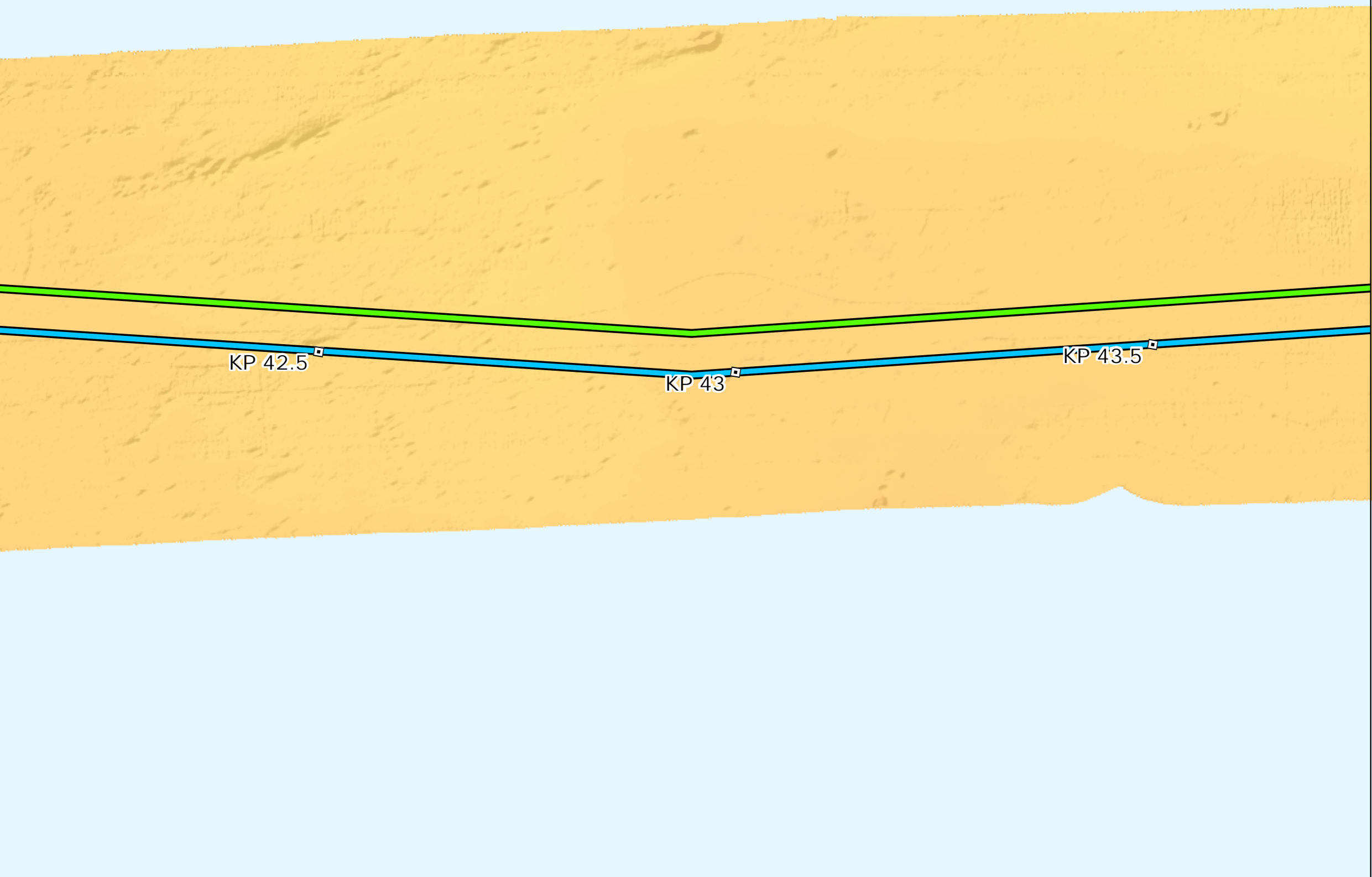
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 32

BW1 (NY) - KP 41 - KP 42  
BW2 (NY) - KP 41 - KP 42  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



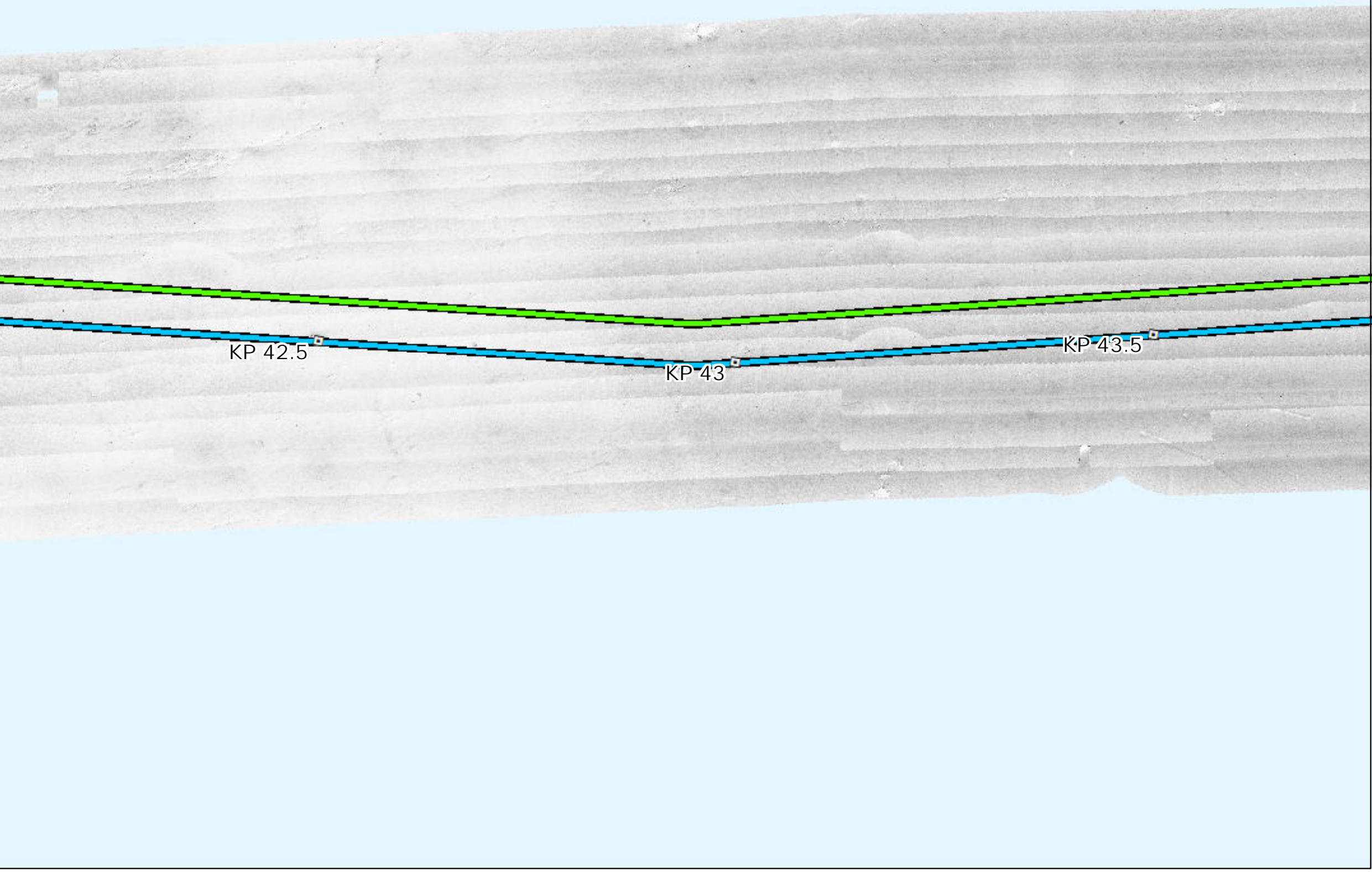
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



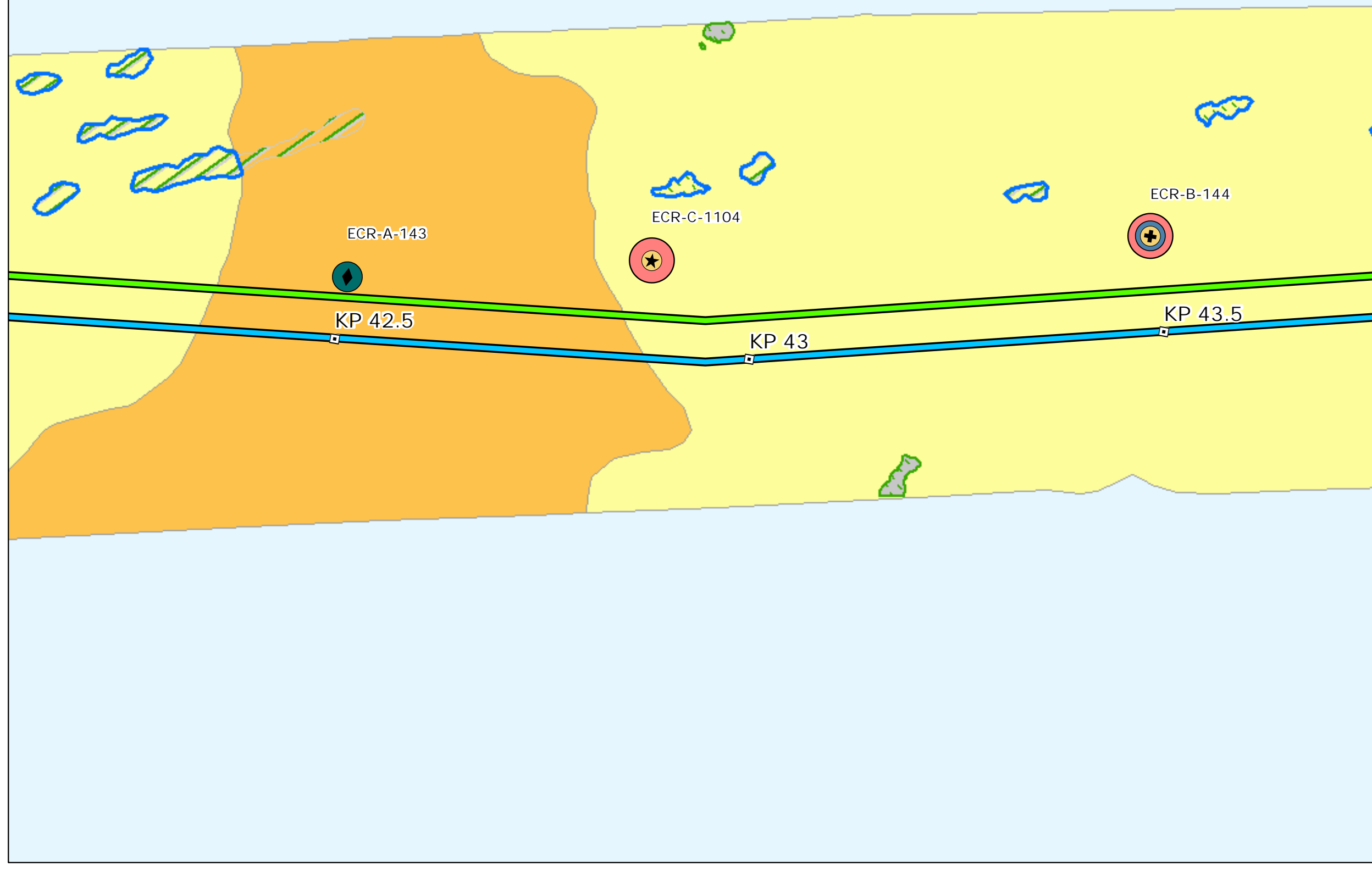
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

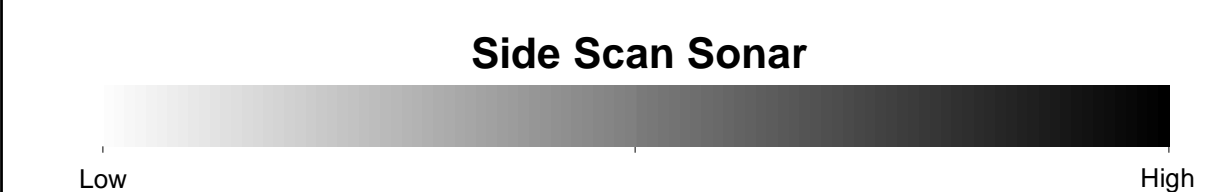
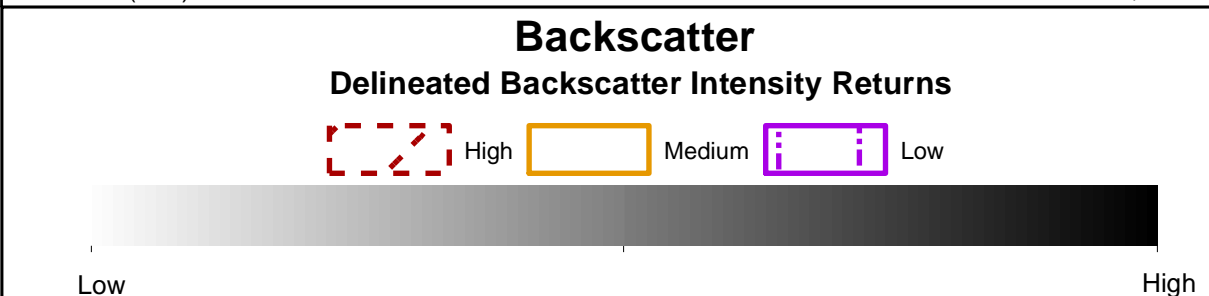
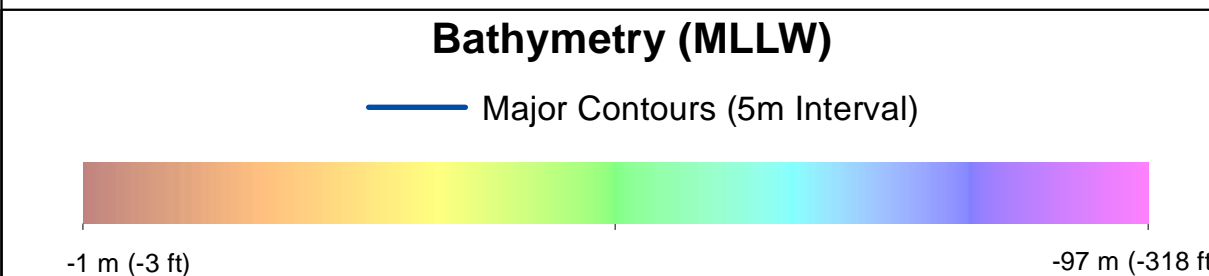
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



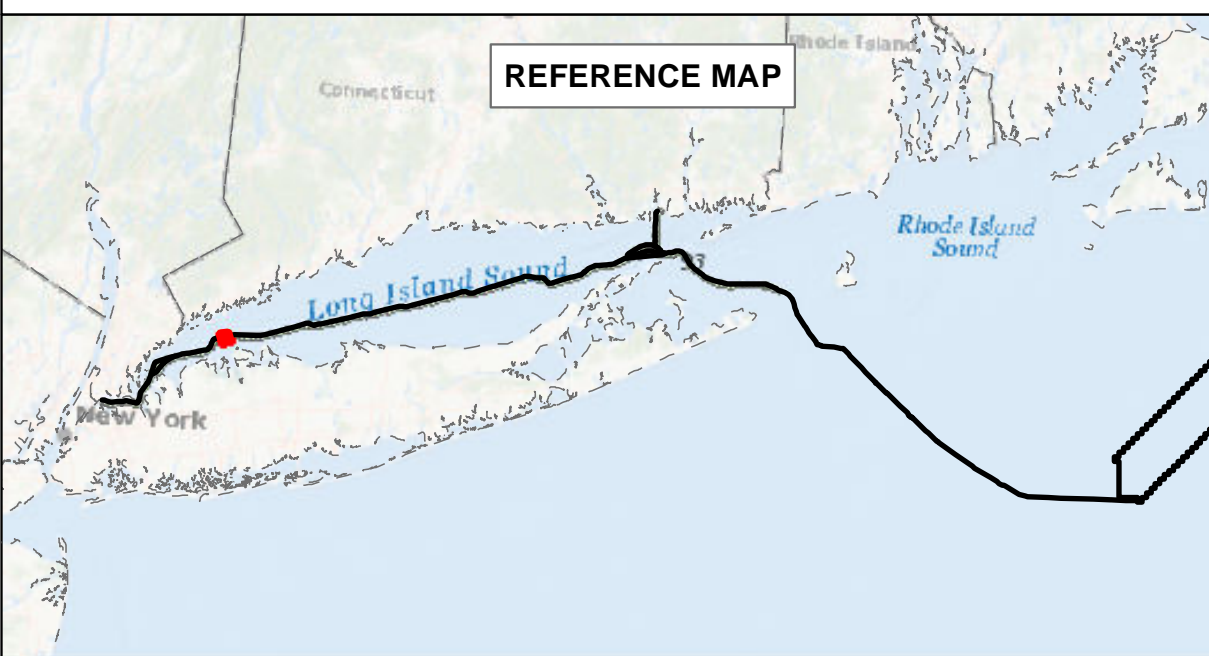
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |  |
|--|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video<br><b>CMECS Biotic</b><br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Medium Sand<br>● Sandy Mud<br><b>CMECS Geoform</b><br>● Burrows/Bioturbation | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>● Mud and Sandy Mud/Soft Bottom Habitat<br>● Mixed Sediment/Complex Habitat<br>● Till/Complex Habitat<br>● Numerous Boulders/Large Grained Complex Habitat<br>● Occasional Boulders/Large Grained Complex Habitat<br>● Heterogeneous Complex Habitat |
|--|--|

Note:  
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Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 33

BW1 (NY) - KP 42.5 - KP 43.5  
 BW2 (NY) - KP 42.5 - KP 43.5  
 BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



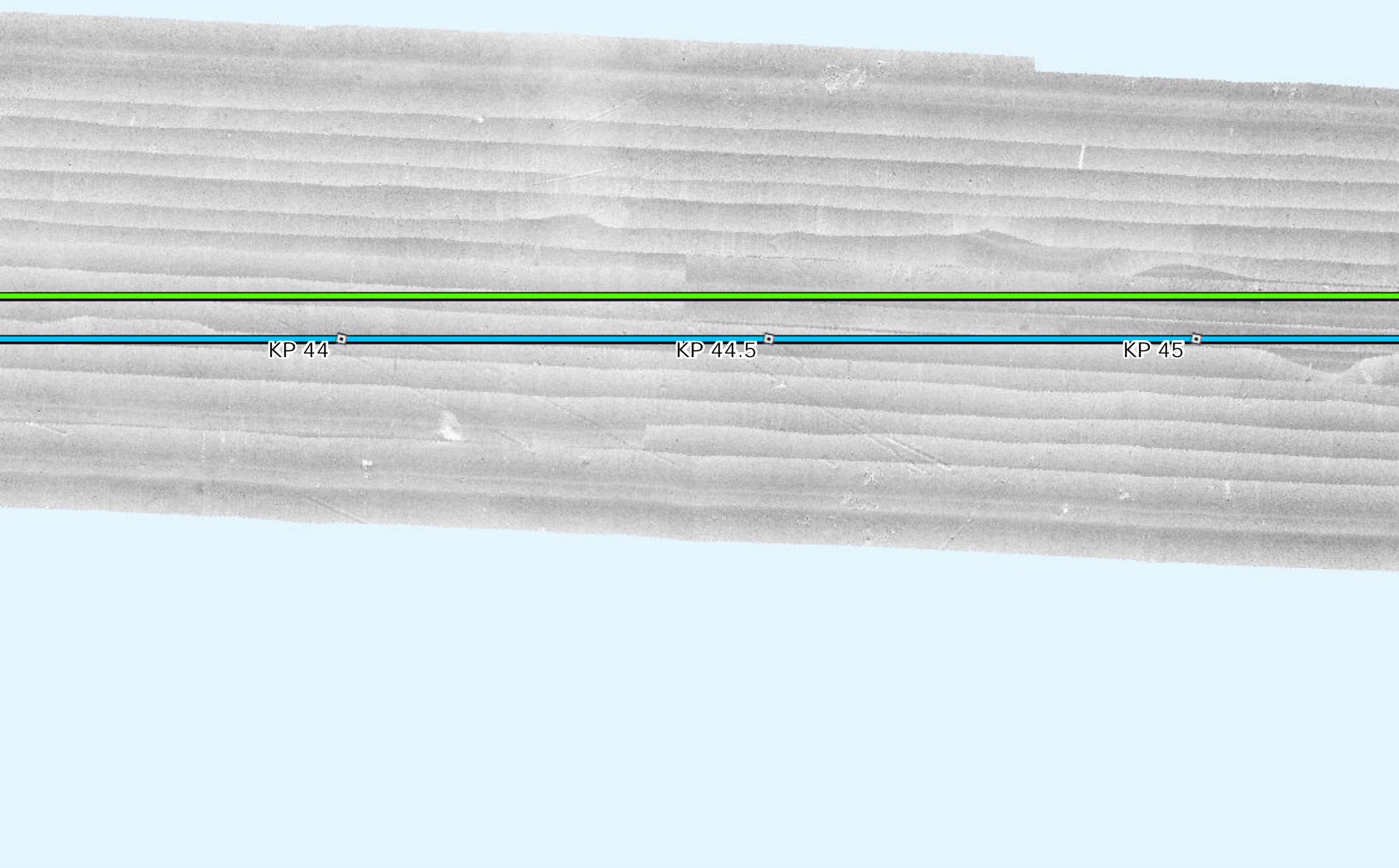
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



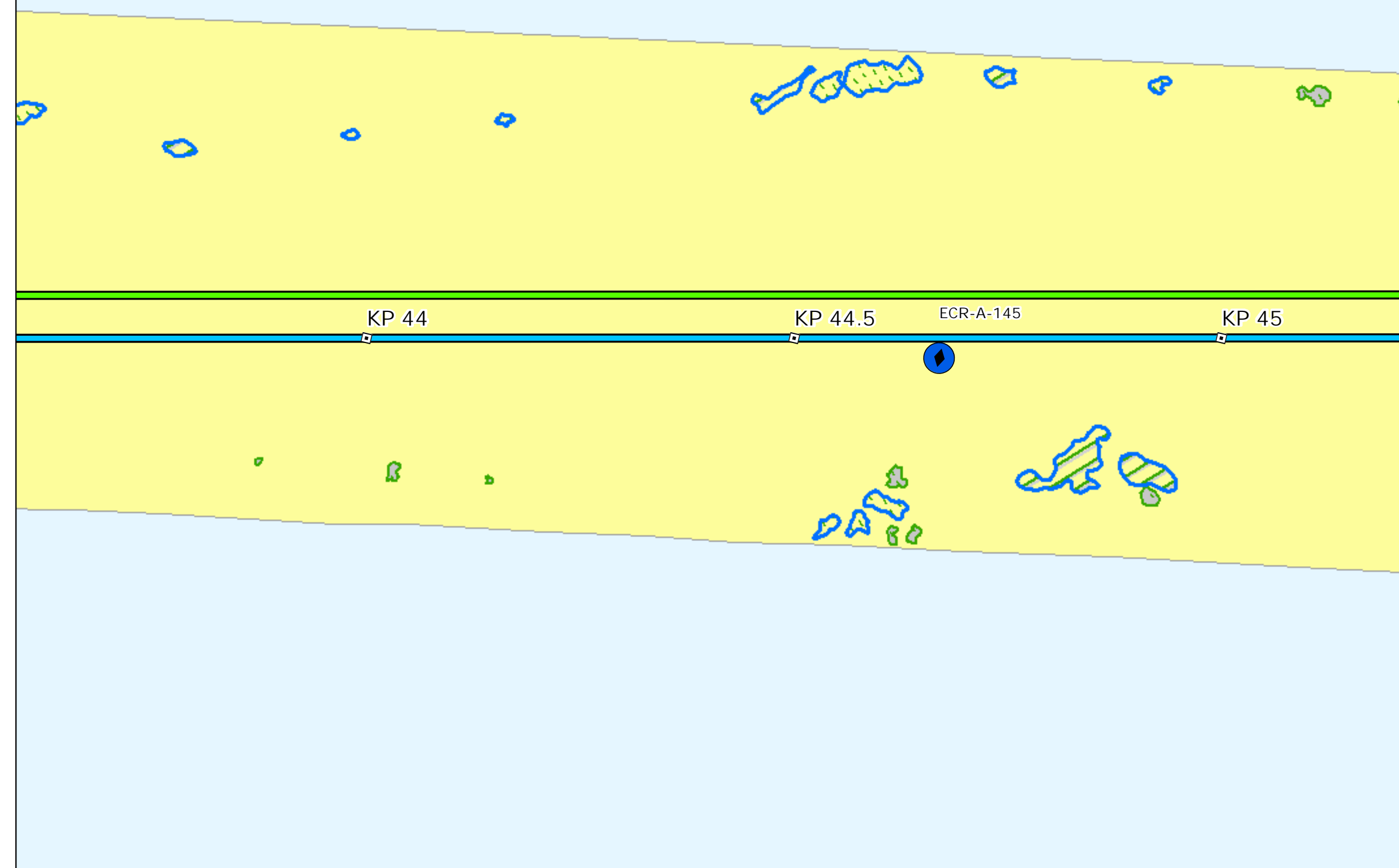
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



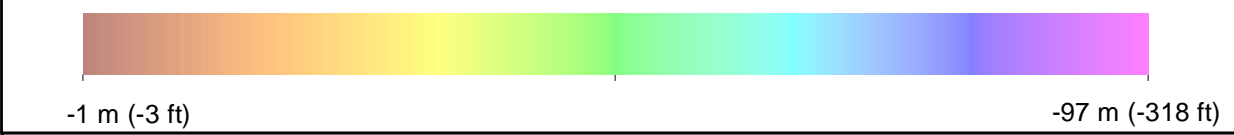
### Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

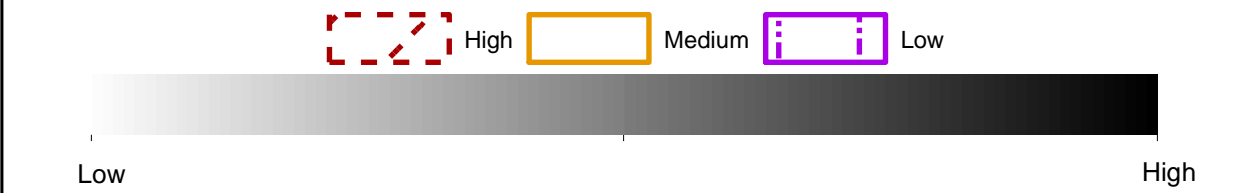
### Bathymetry (MLLW)

— Major Contours (5m Interval)



### Backscatter

Delineated Backscatter Intensity Returns



### Side Scan Sonar



### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

#### Station Type

◆ SPI/PV

#### CMECS Substrate

● Muddy Sand

#### Interpreted Seabed Sediment/NMFS Habitat Characterization

■ Mud and Sandy Mud/Soft Bottom Habitat

■ Till/Complex Habitat

■ Numerous Boulders/Large Grained Complex Habitat

■ Occasional Boulders/Large Grained Complex Habitat

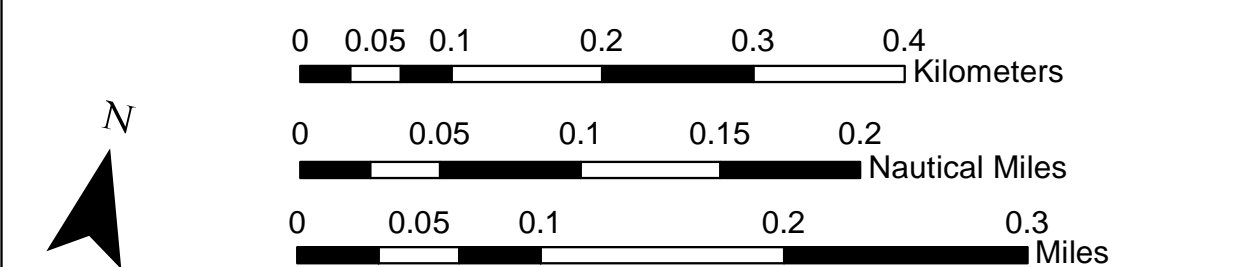
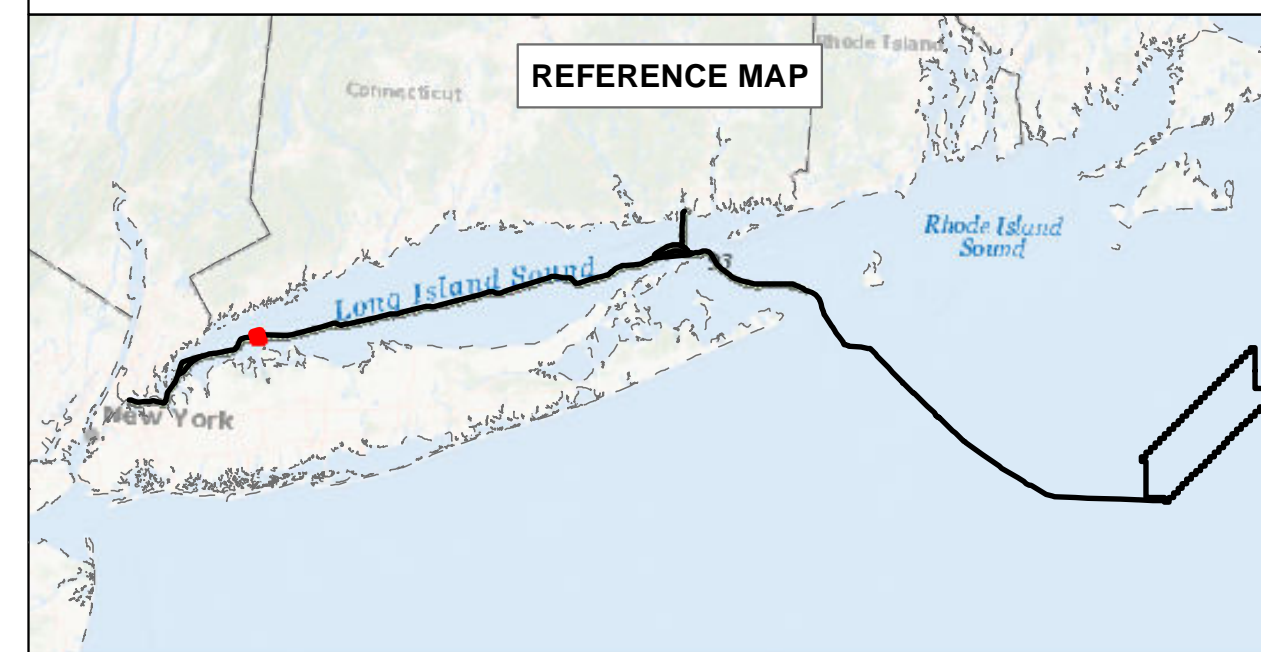
■ Heterogeneous Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



### BEACON WIND LEASE AREA OCS-A 0520

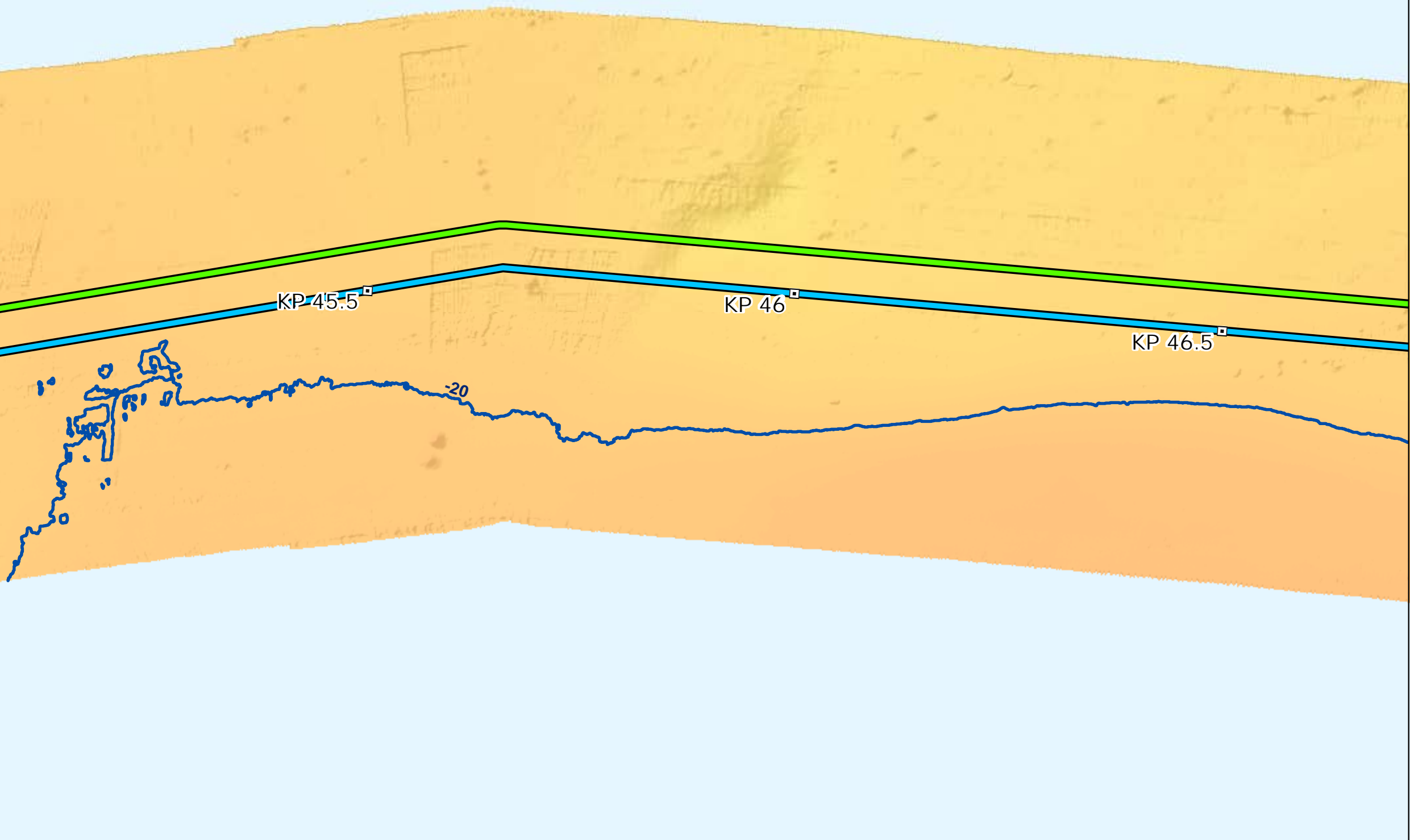
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 34

BW1 (NY) - KP 44 - KP 45  
BW2 (NY) - KP 44 - KP 45  
BW2 (CT) - N/A



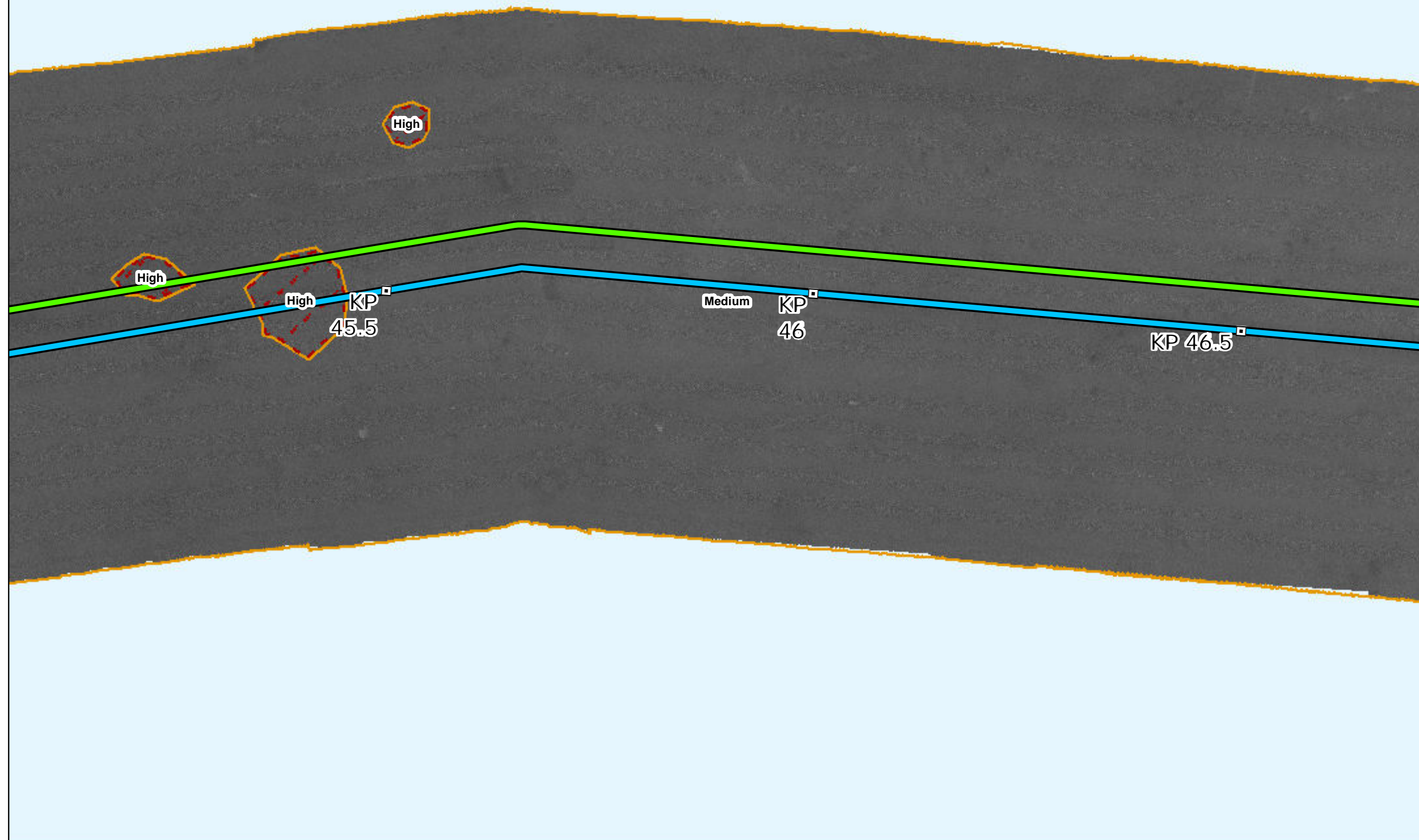
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



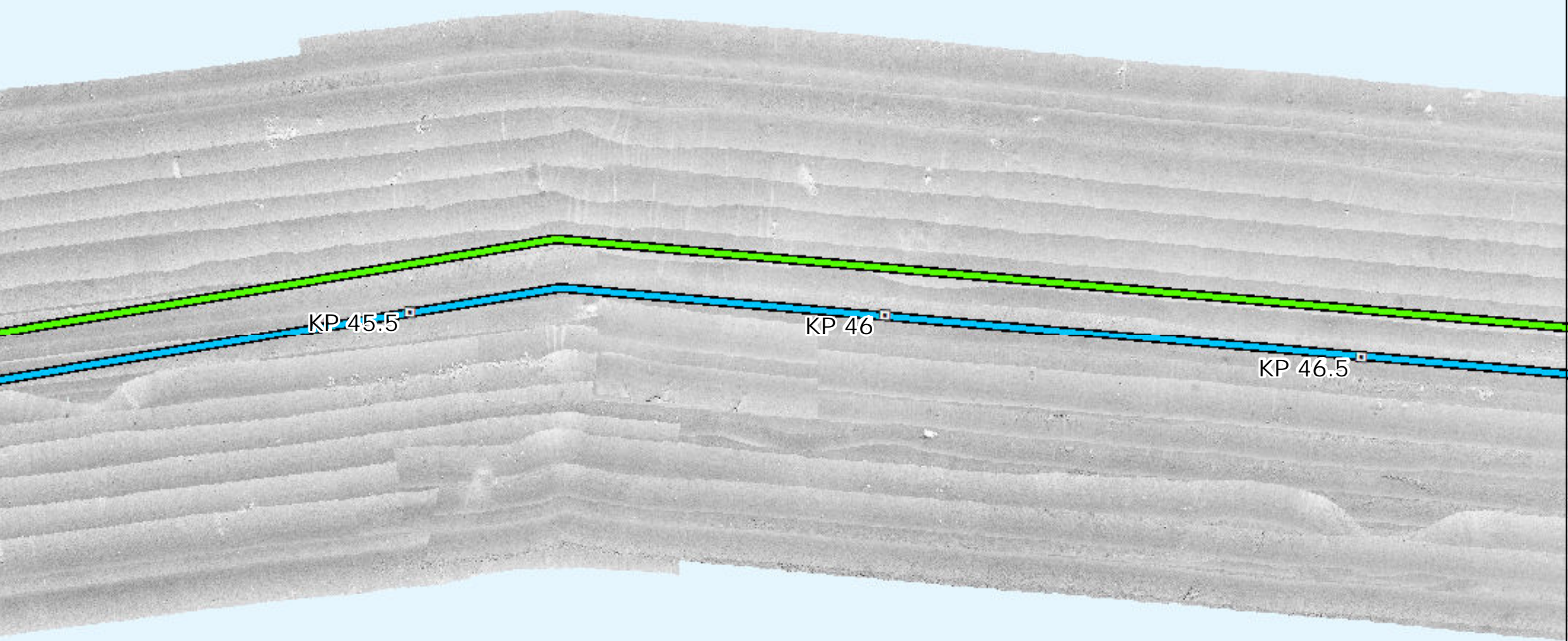
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



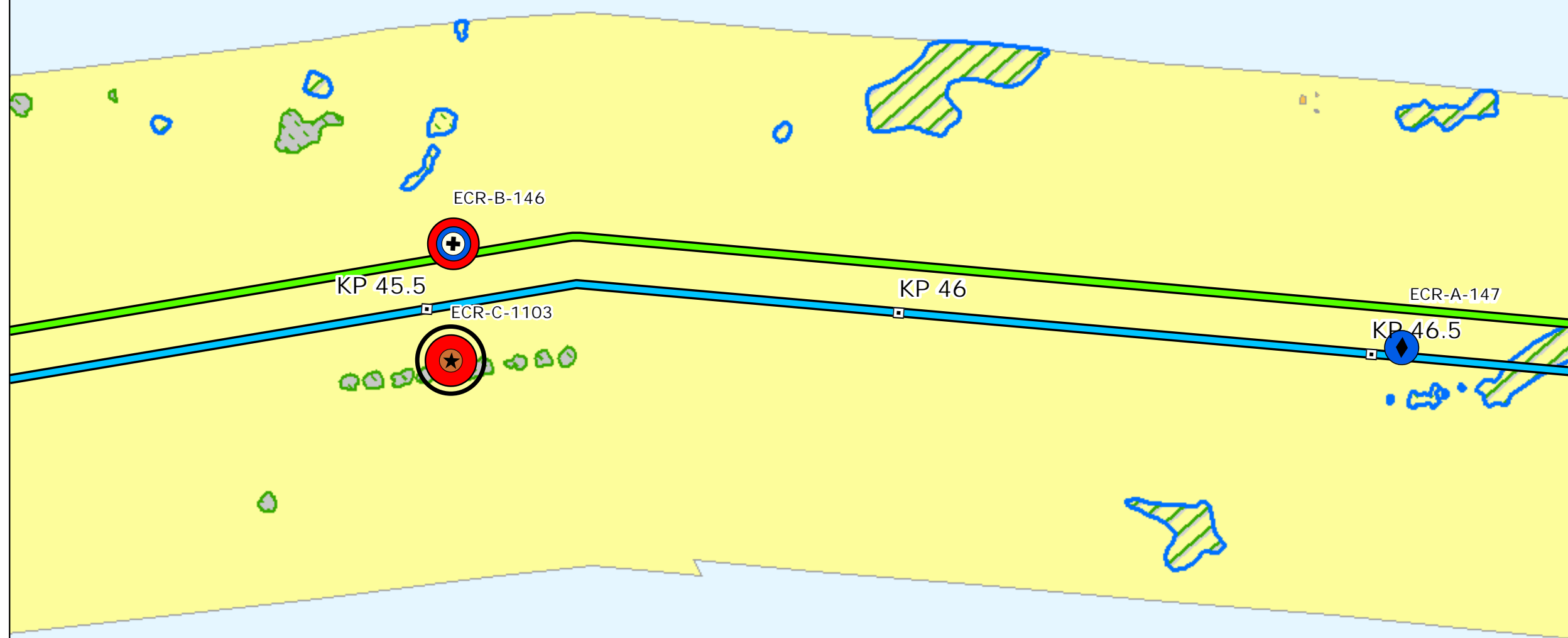
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

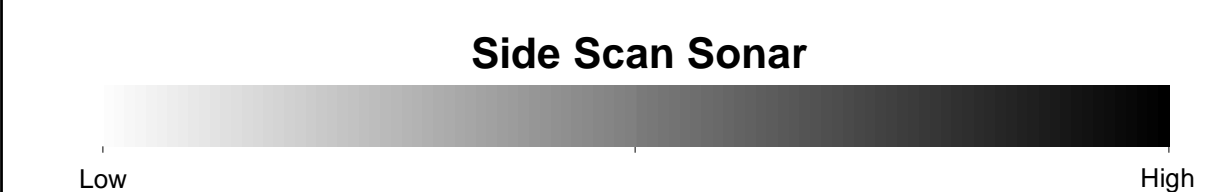
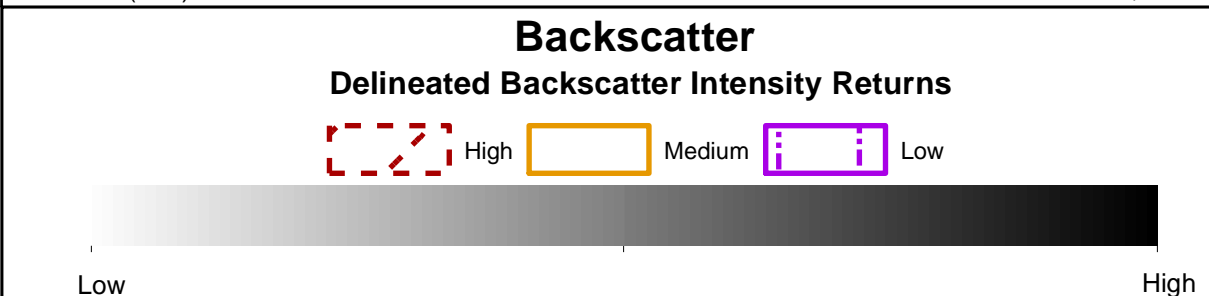
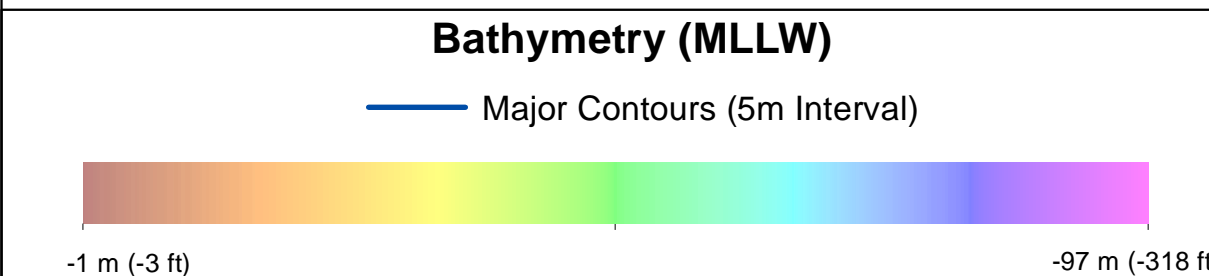
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

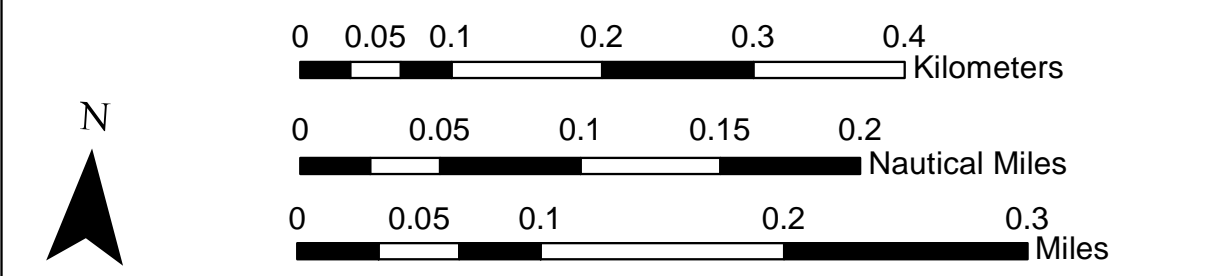
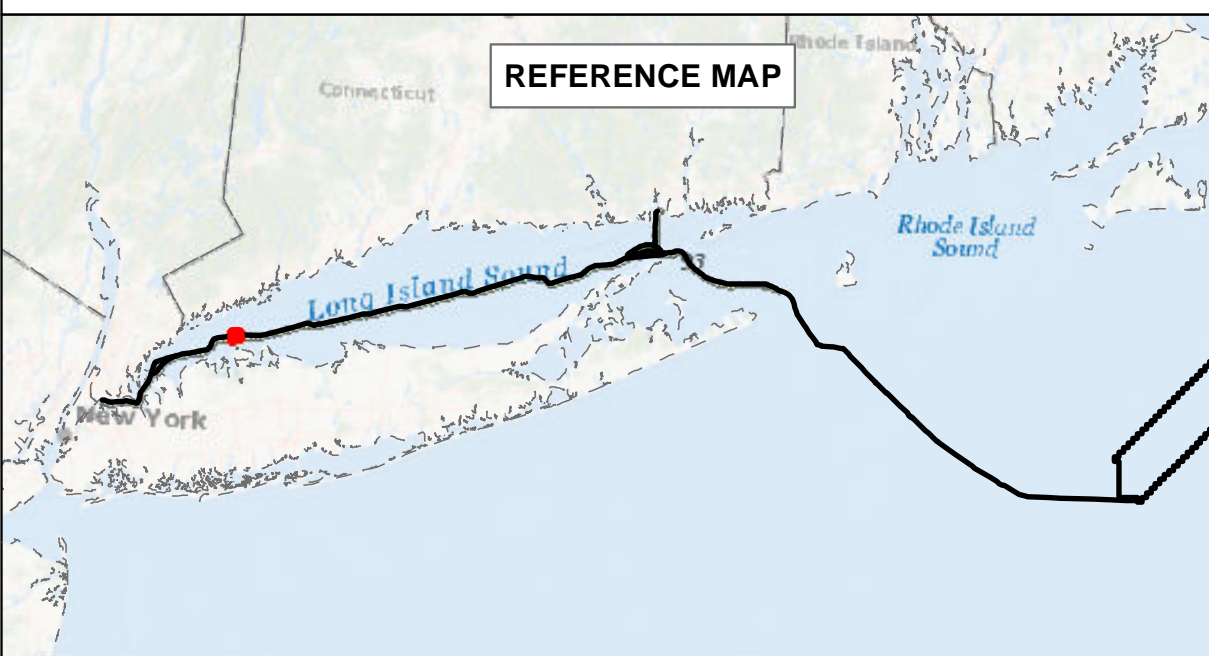


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |   |  |
|---|--|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">+</span> Grab and Video</li> <li><span style="color: blue;">◆</span> SPI/PV</li> <li><span style="color: black;">★</span> Video</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">○</span> Attached Fauna</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> Large Macrofauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> Muddy Sand</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">●</span> Boulder Field</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">○</span> Northern Star Coral</li> </ul> | <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mud and Sandy Mud/Soft Bottom Habitat</li> <li><span style="background-color: orange; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mixed Sediment/Complex Habitat</li> <li><span style="background-color: grey; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Till/Complex Habitat</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Numerous Boulders/Large Grained Complex Habitat</li> <li><span style="background-color: green; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Occasional Boulders/Large Grained Complex Habitat</li> <li><span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Heterogeneous Complex Habitat</li> </ul> |
|---|--|
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

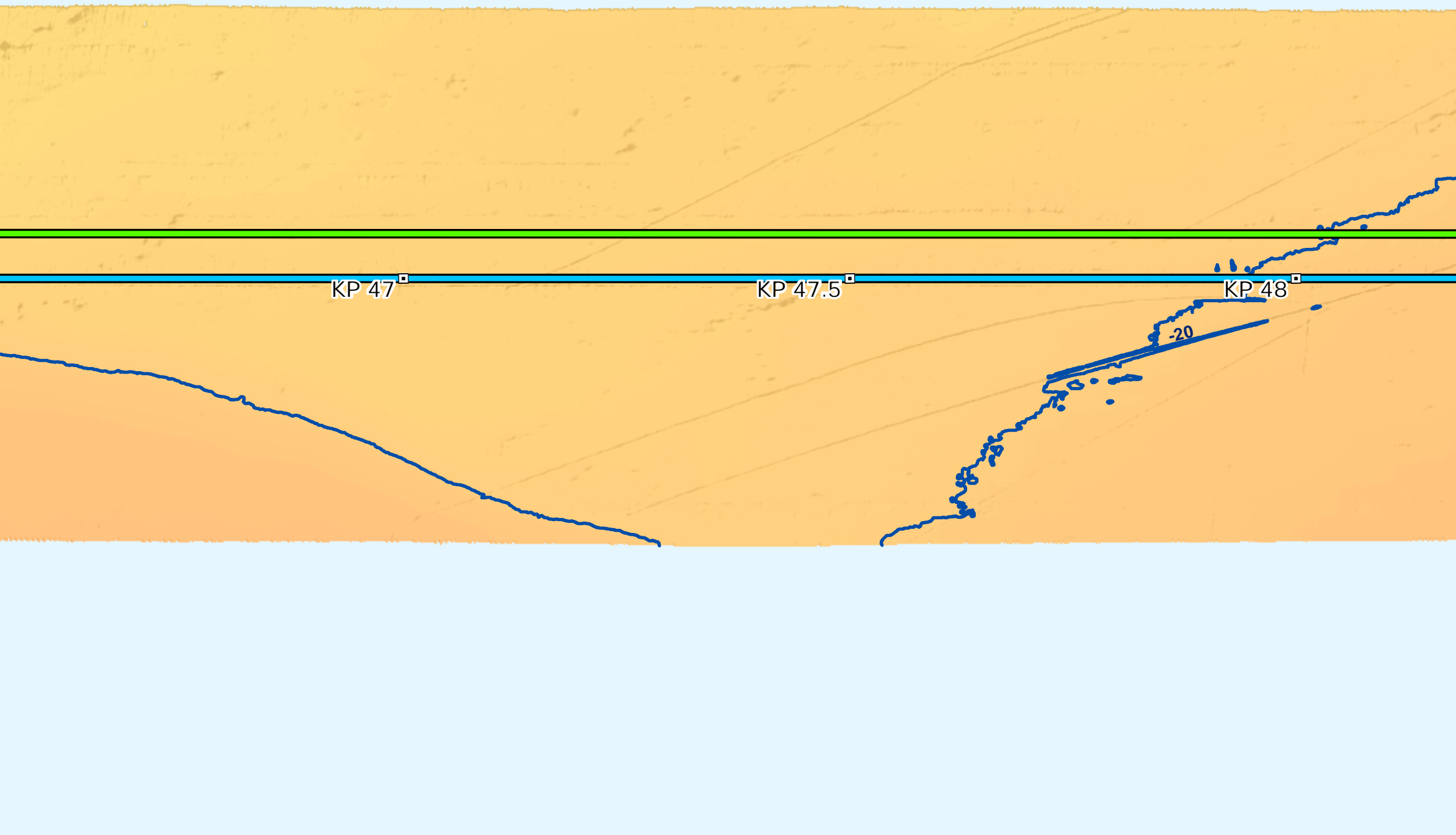
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 35

BW1 (NY) - KP 45.5 - KP 46.5  
BW2 (NY) - KP 45.5 - KP 46.5  
BW2 (CT) - N/A



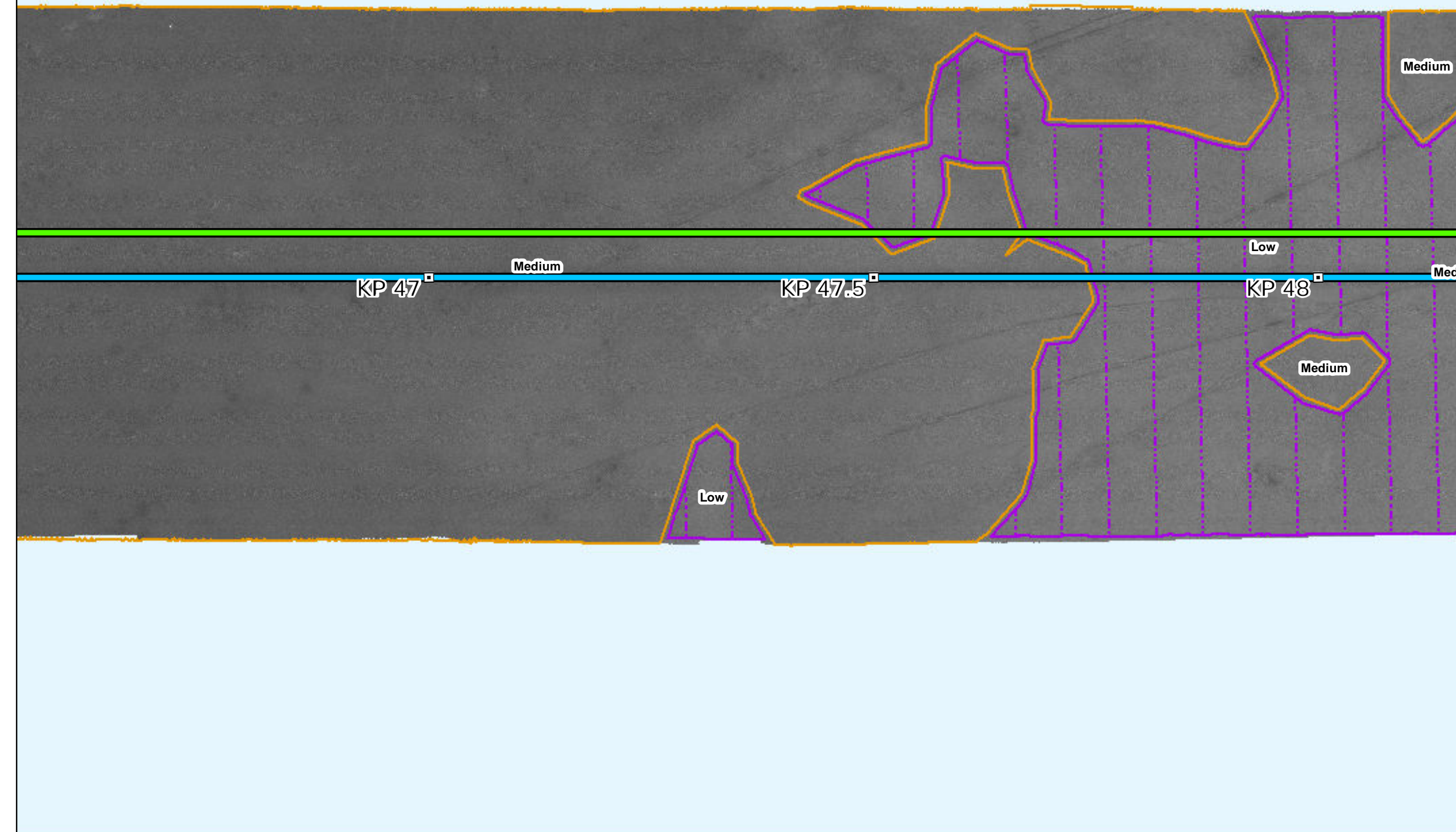
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



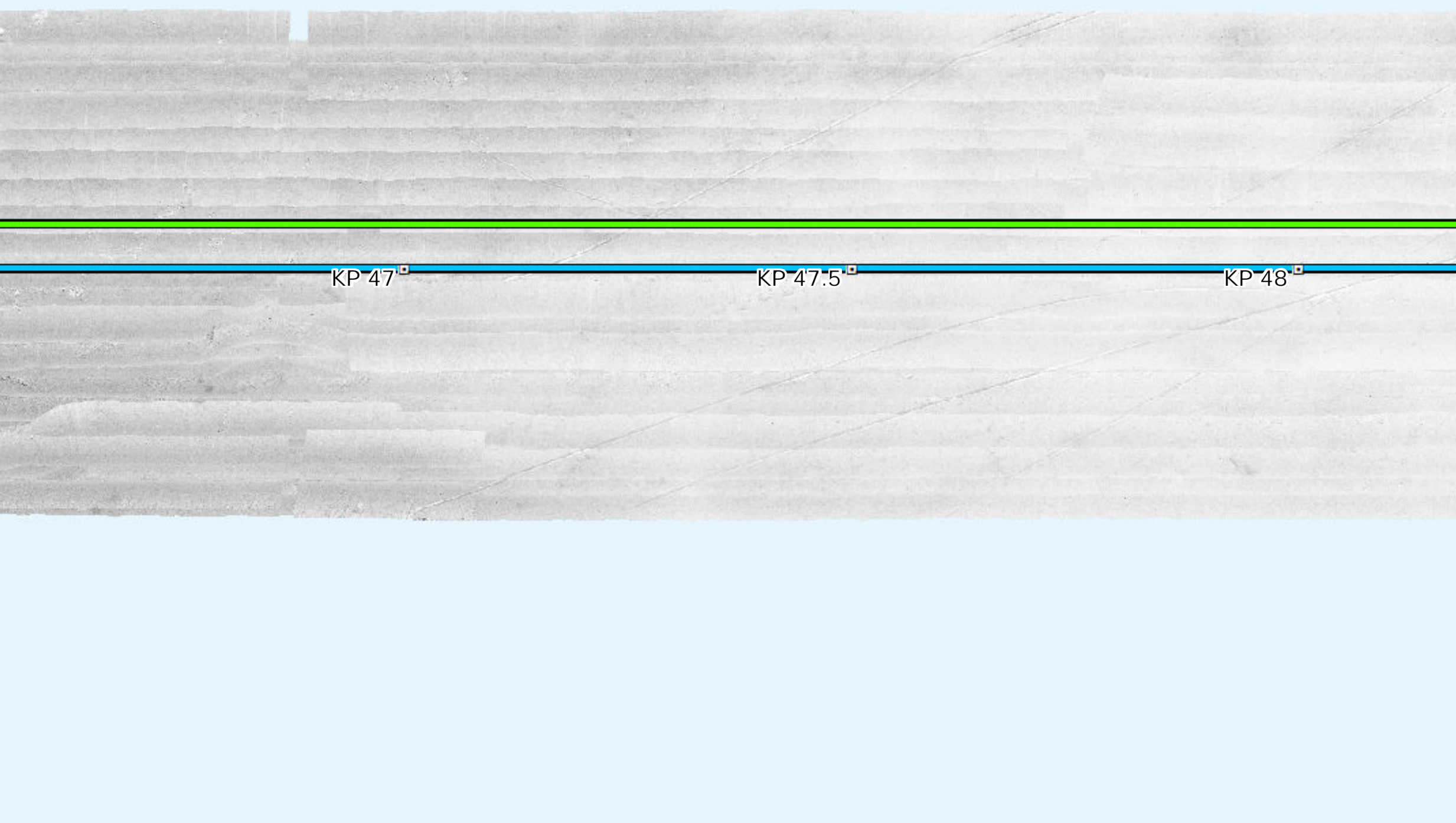
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



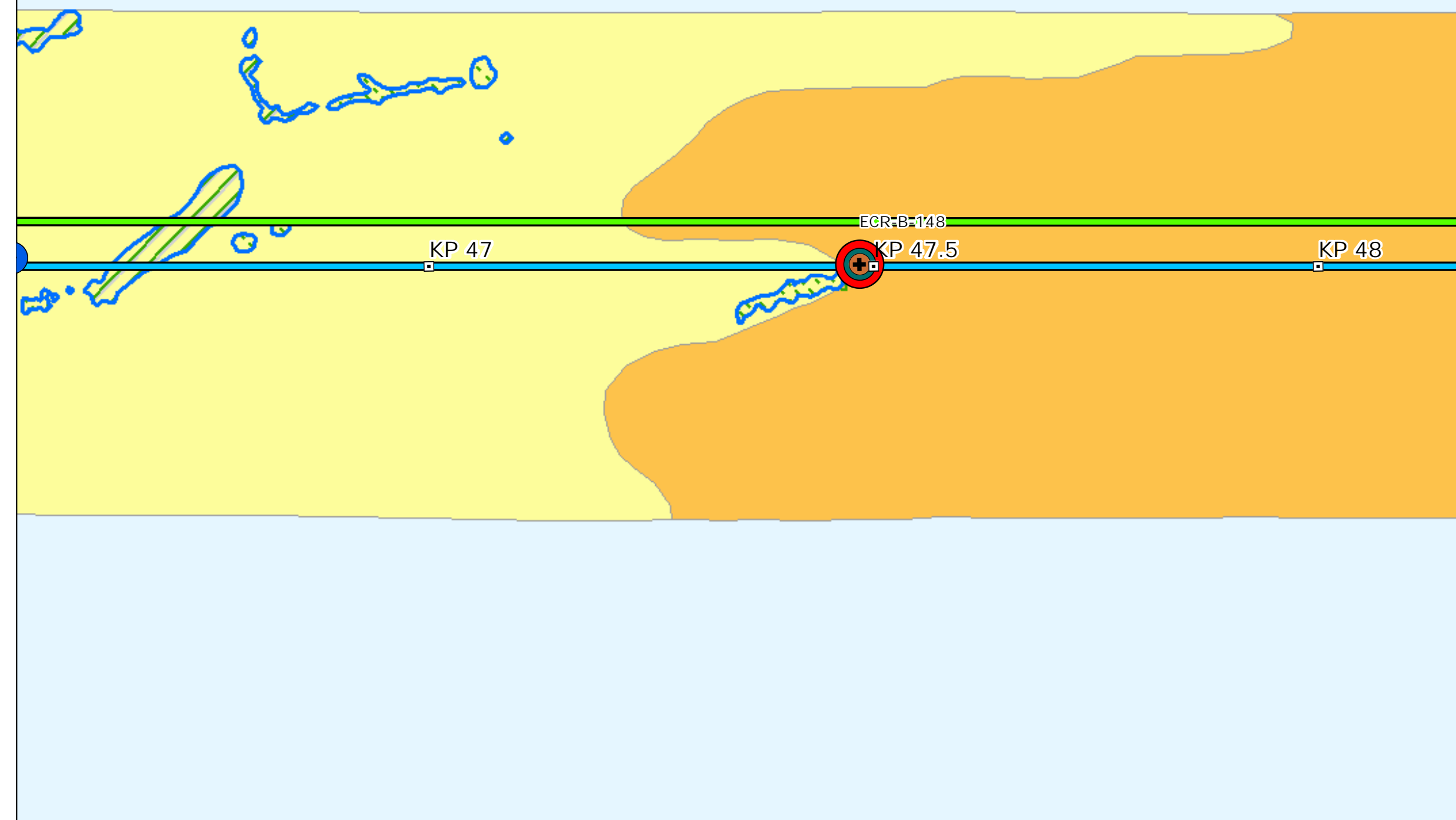
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

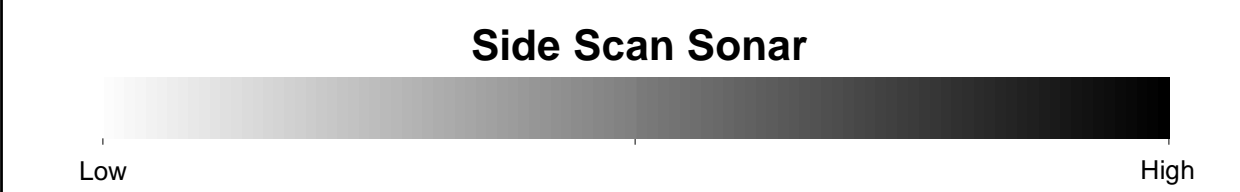
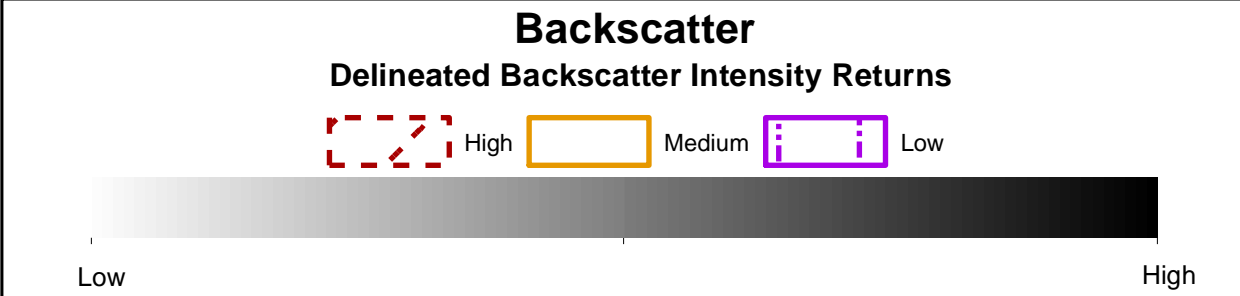
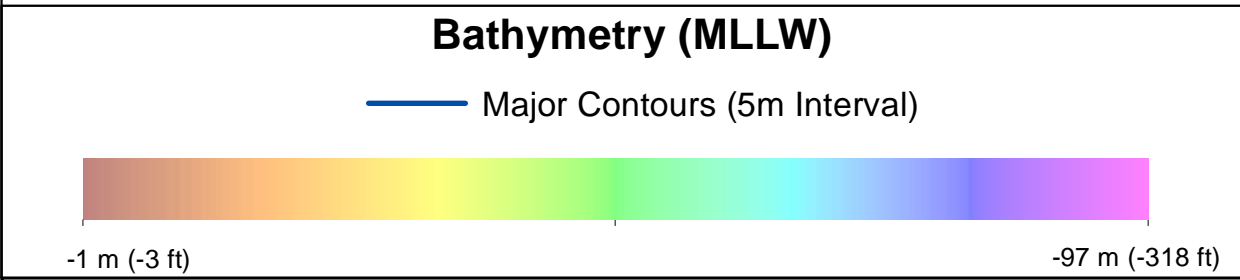
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

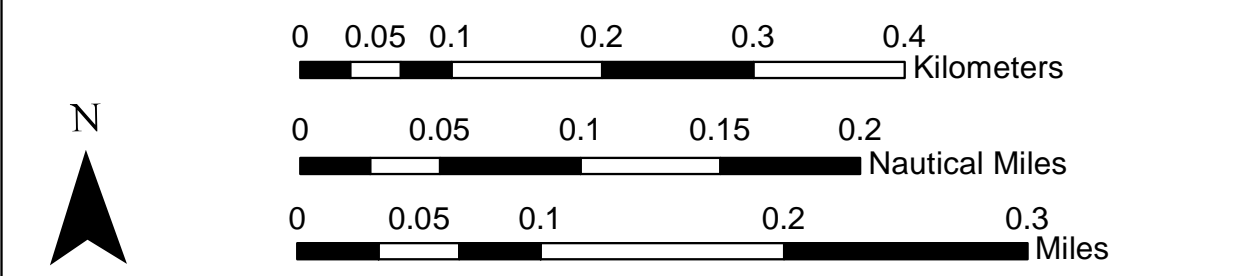
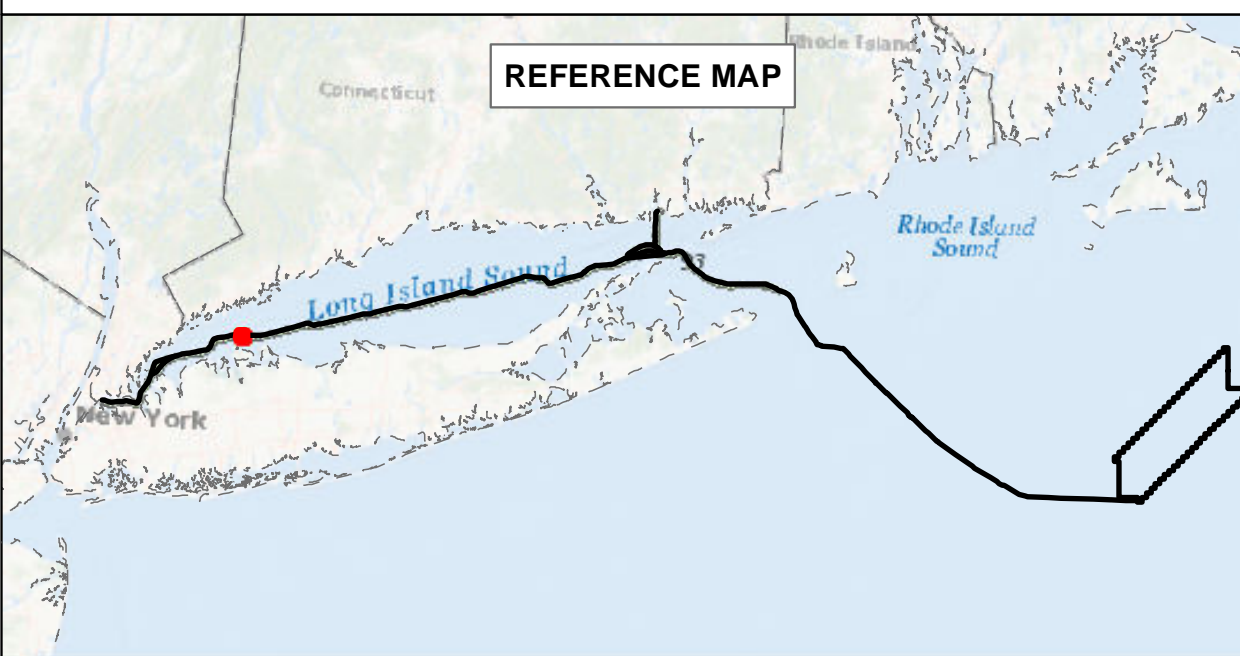


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |   |
|--|---|
| <b>Station Type</b>  | Mixed Sediment/Complex Habitat                    |
| ✦ Grab and Video   |   |
| ◆ SPI/PV   | Numerous Boulders/Large Grained Complex Habitat   |
| <b>CMECS Biotic</b>  | Occasional Boulders/Large Grained Complex Habitat |
| ● Large Macrofauna   | Heterogeneous Complex Habitat                     |
| <b>CMECS Substrate</b>   |   |
| ● Muddy Sand   |   |
| ● Sandy Mud  |   |
| <b>CMECS Geoform</b>   |   |
| ● Boulder Field  |   |
| <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |   |
| ■ Mud and Sandy Mud/Soft Bottom Habitat                          |   |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

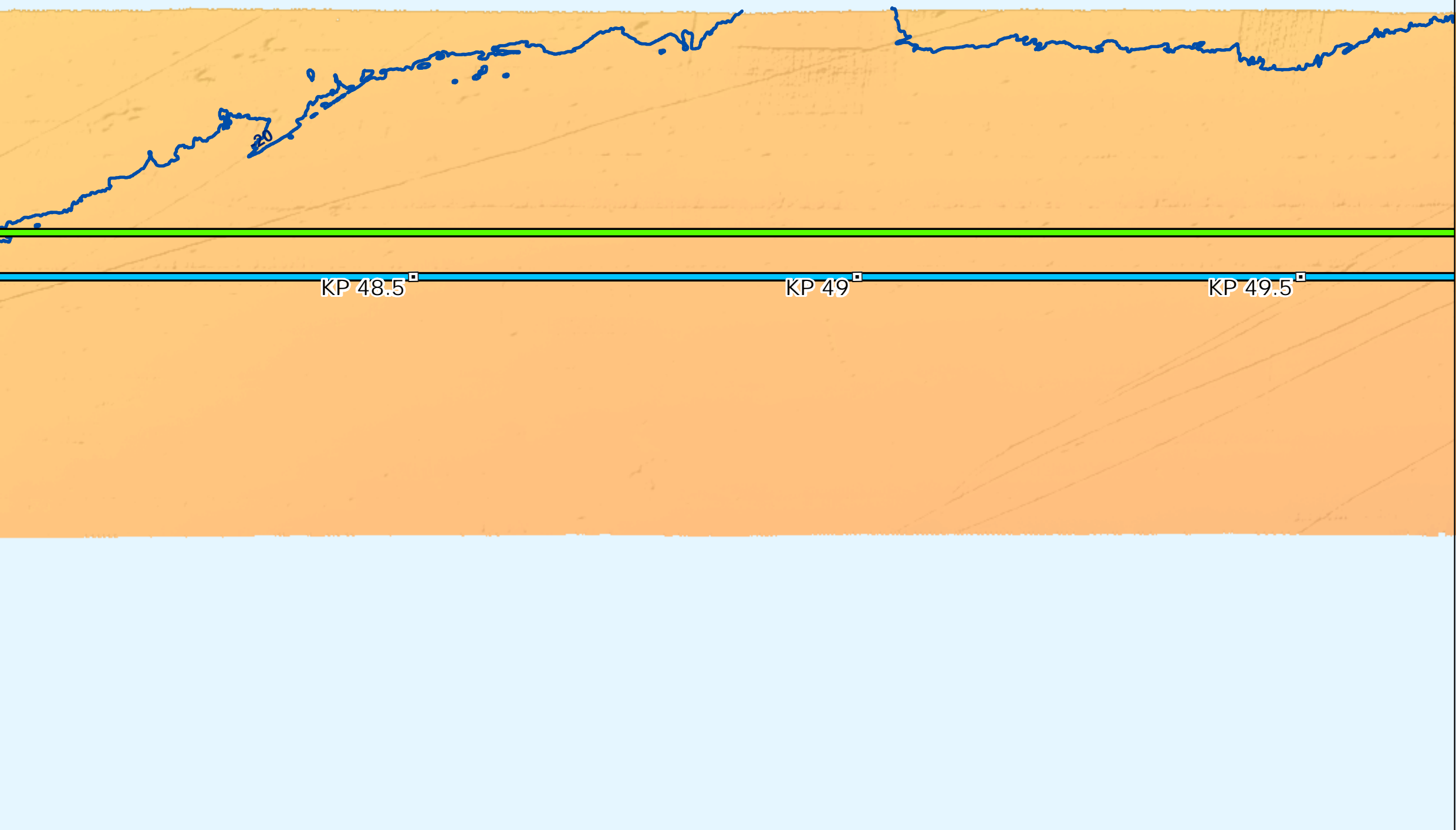
#### Tile 36

BW1 (NY) - KP 47 - KP 48  
BW2 (NY) - KP 47 - KP 48  
BW2 (CT) - N/A



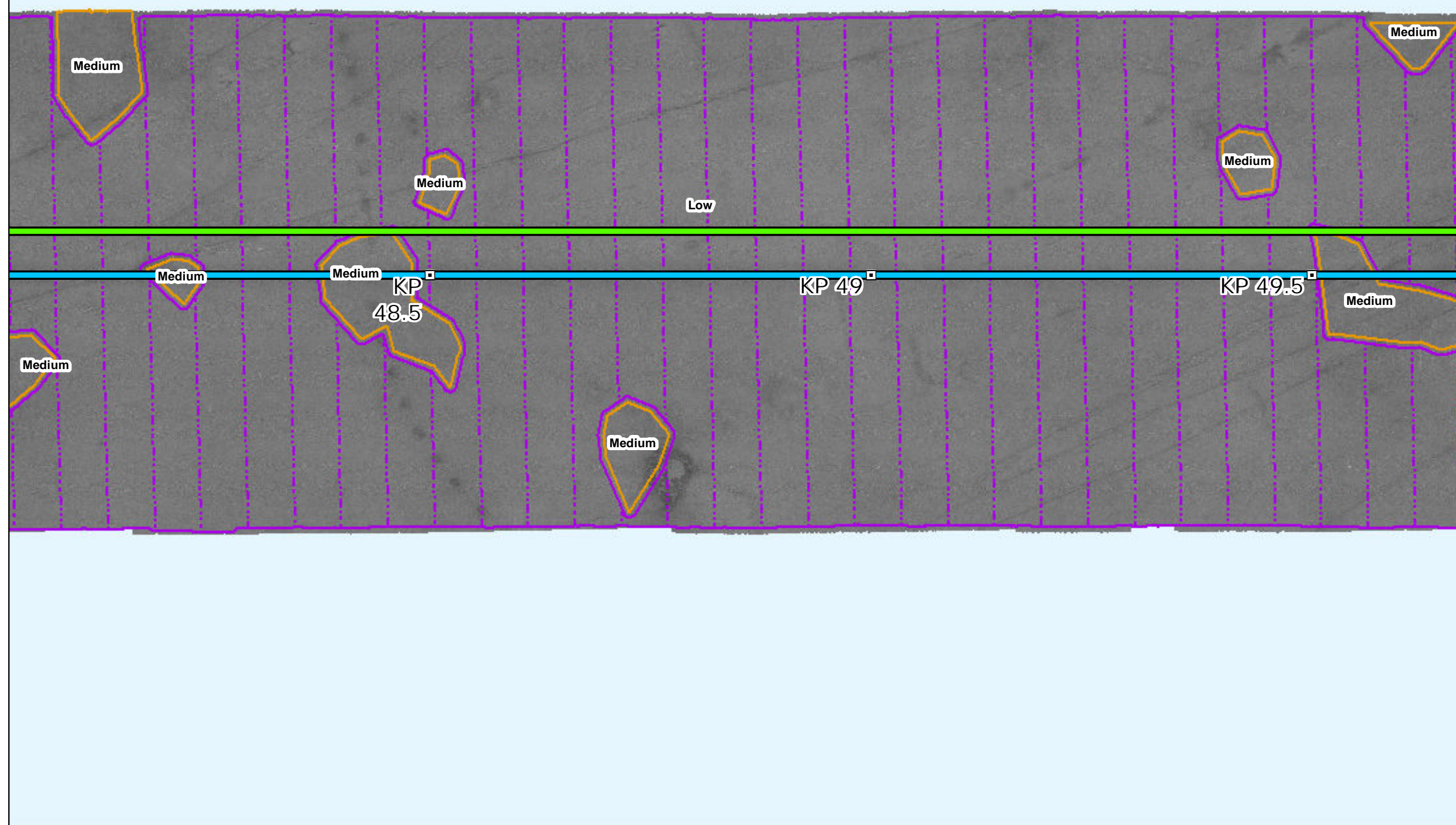
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



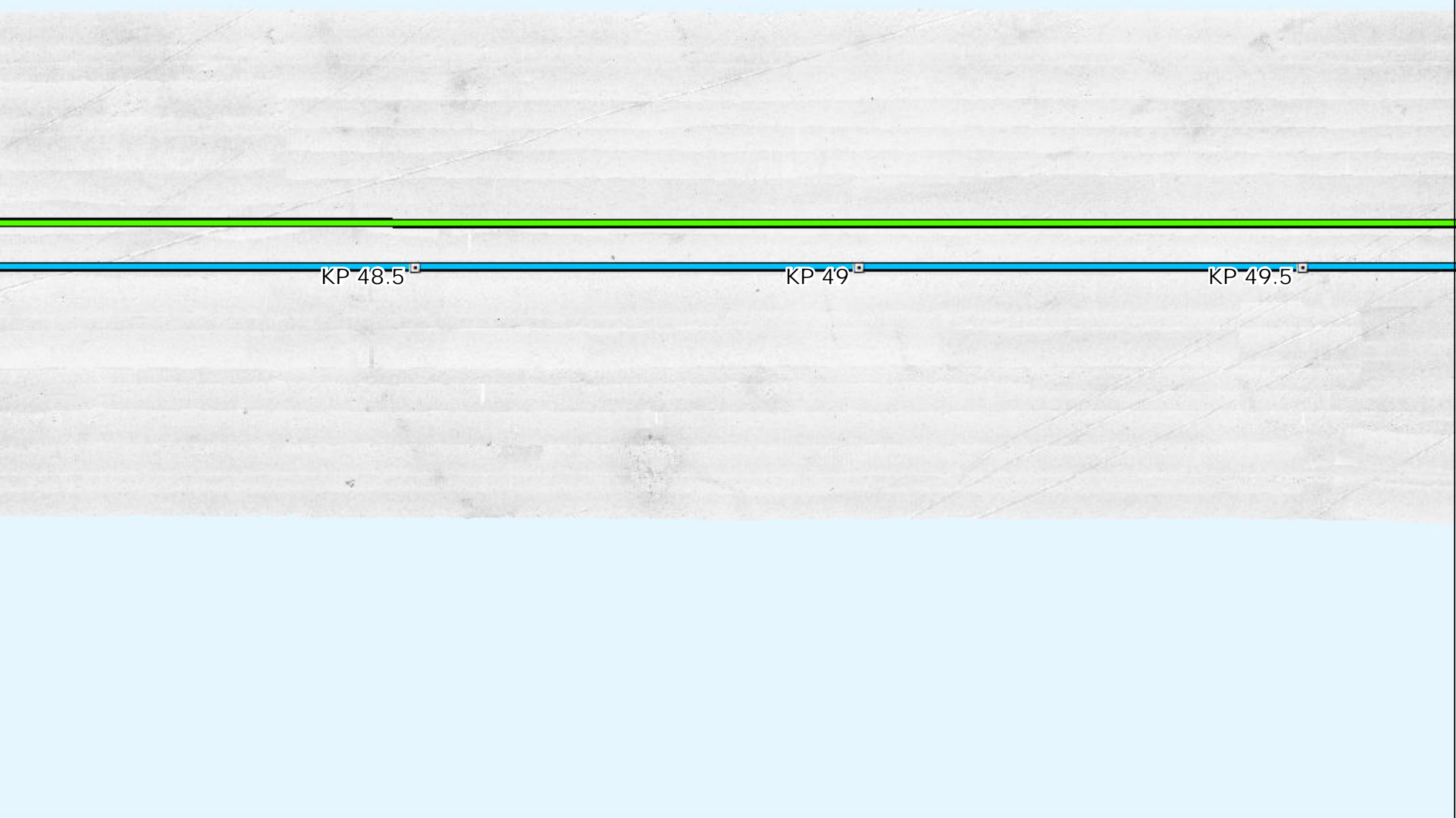
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



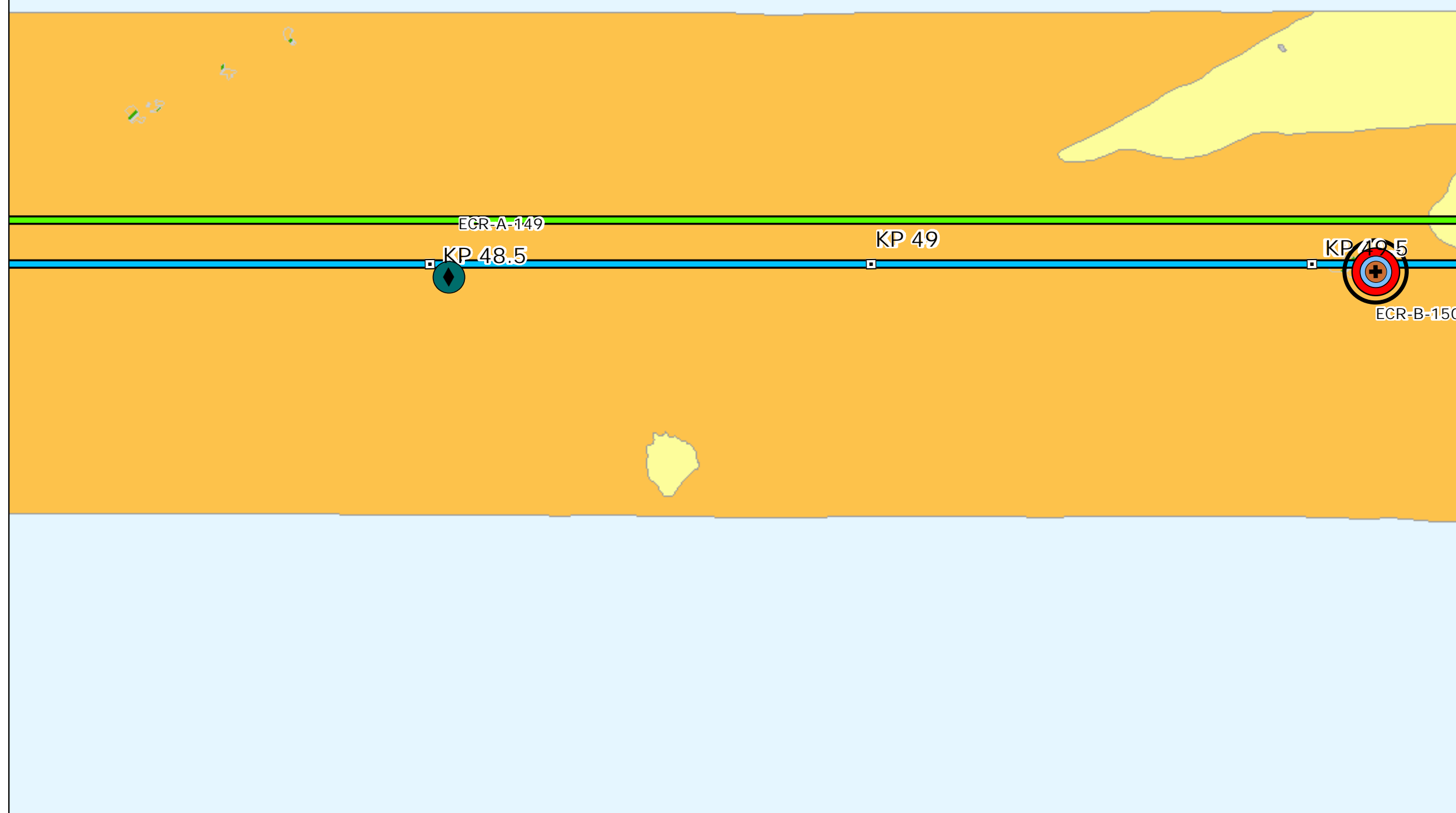
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

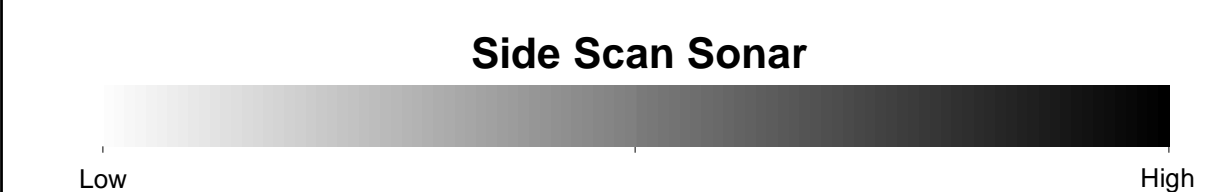
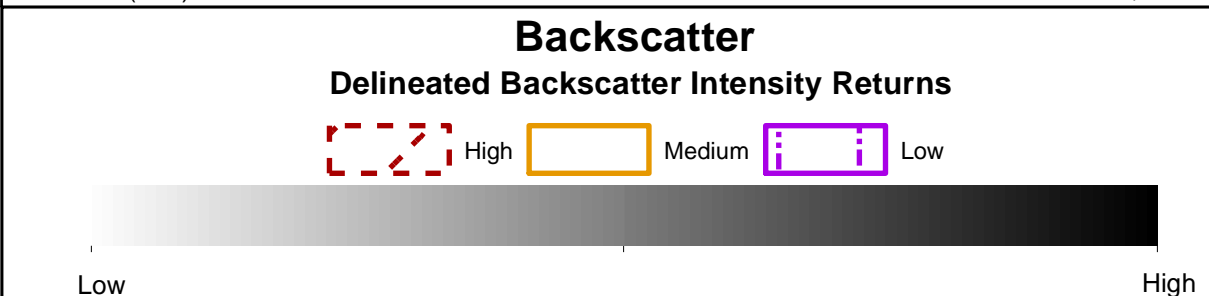
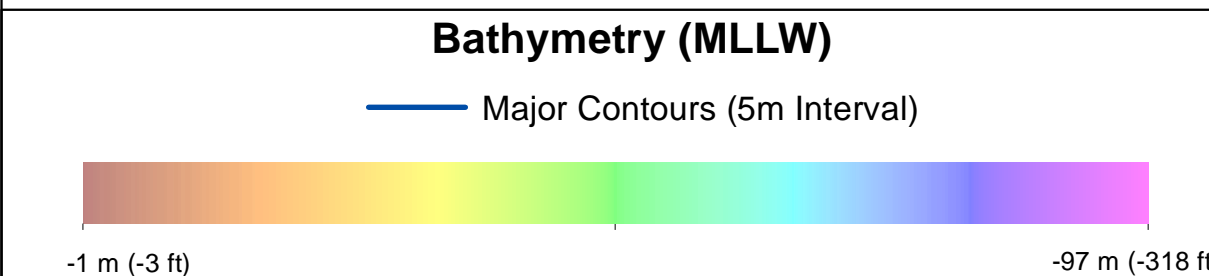
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



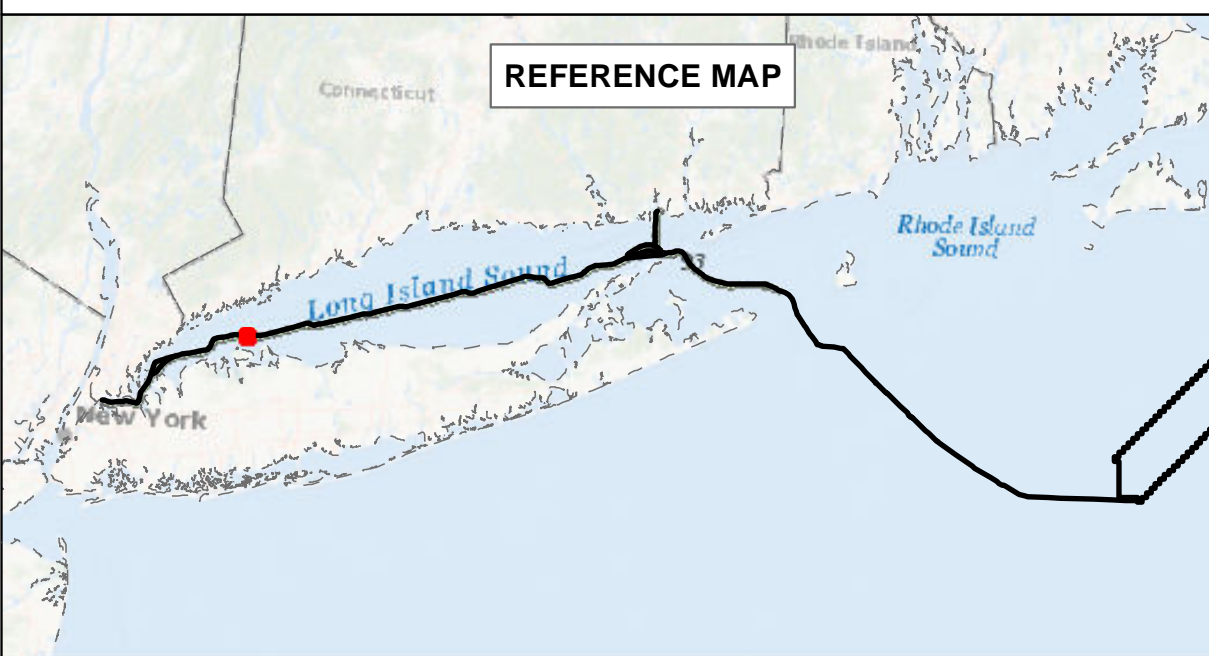
- BW1 and BW2 KPs
- ▨ Missing Backscatter Data
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |  |
|---|--|
| <b>Station Type</b><br><span style="color: red;">+</span> Grab and Video<br><span style="color: blue;">◆</span> SPI/PV<br><b>CMECS Biotic</b><br><span style="color: orange;">●</span> Large Macrofauna<br><b>CMECS Substrate</b><br><span style="color: blue;">●</span> Gravelly Mud<br><span style="color: green;">●</span> Sandy Mud<br><b>CMECS Geoform</b><br><span style="color: red;">●</span> Boulder Field<br><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Northern Star Coral | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mud and Sandy Mud/Soft Bottom Habitat<br><span style="background-color: orange; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mixed Sediment/Complex Habitat<br><span style="background-color: gray; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Till/Complex Habitat<br><span style="border-bottom: 1px dashed green; display: inline-block; width: 15px; height: 10px;"></span> Occasional Boulders/Large Grained Complex Habitat |
|---|--|

Note:  
1) Legend only shows items visible in the current map extent.

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Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

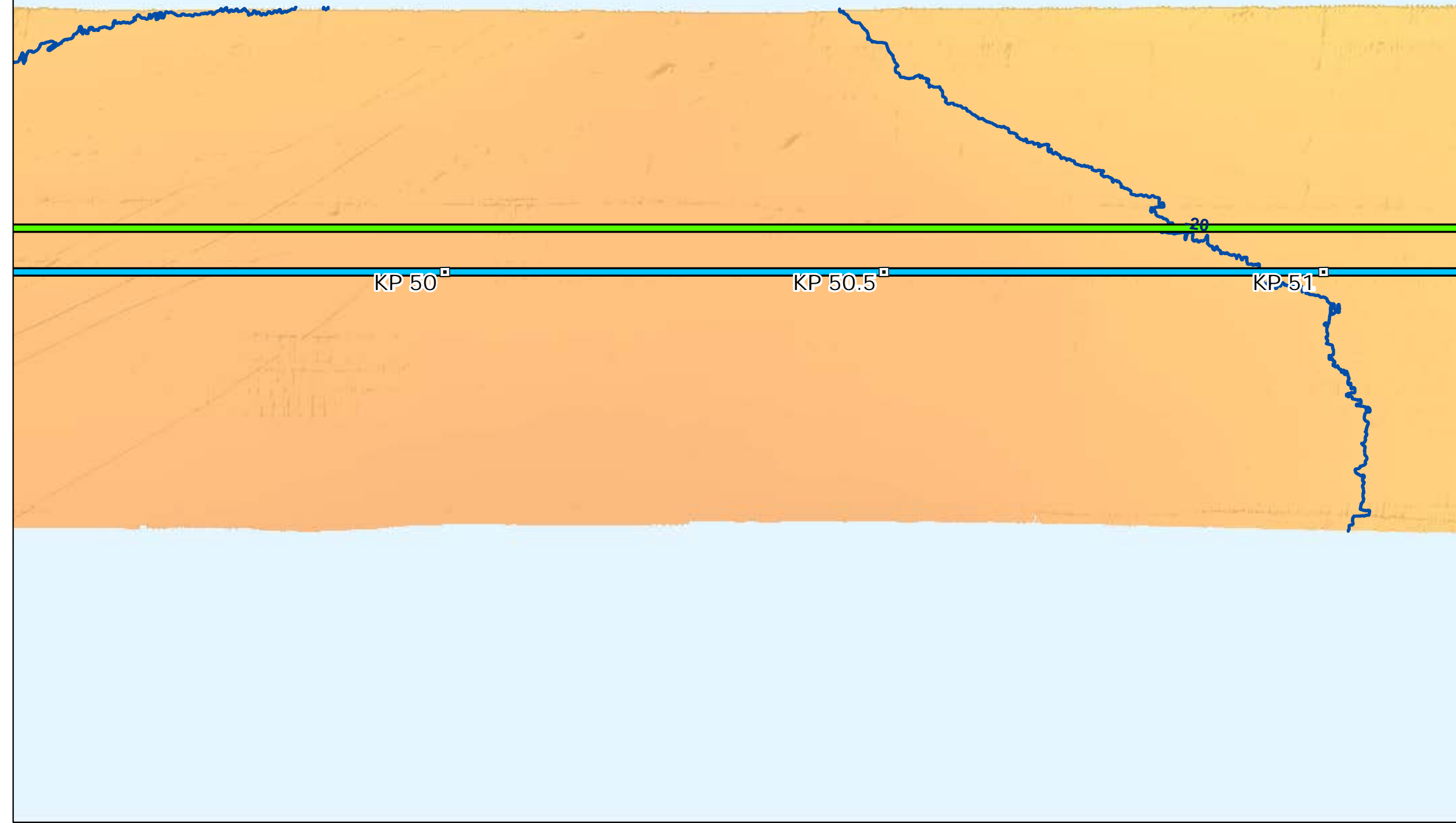
#### Tile 37

BW1 (NY) - KP 48.5 - KP 49.5  
 BW2 (NY) - KP 48.5 - KP 49.5  
 BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



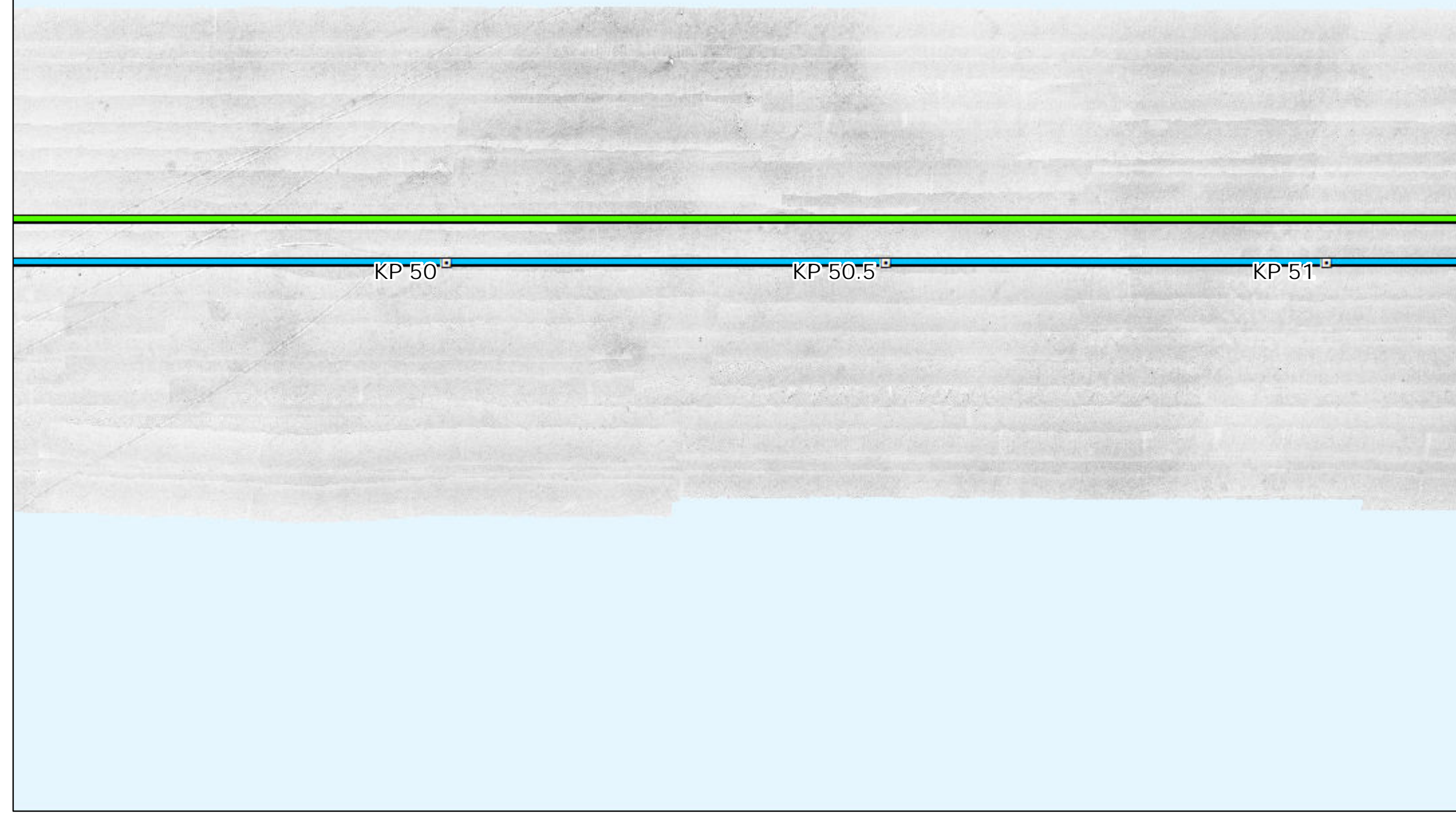
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



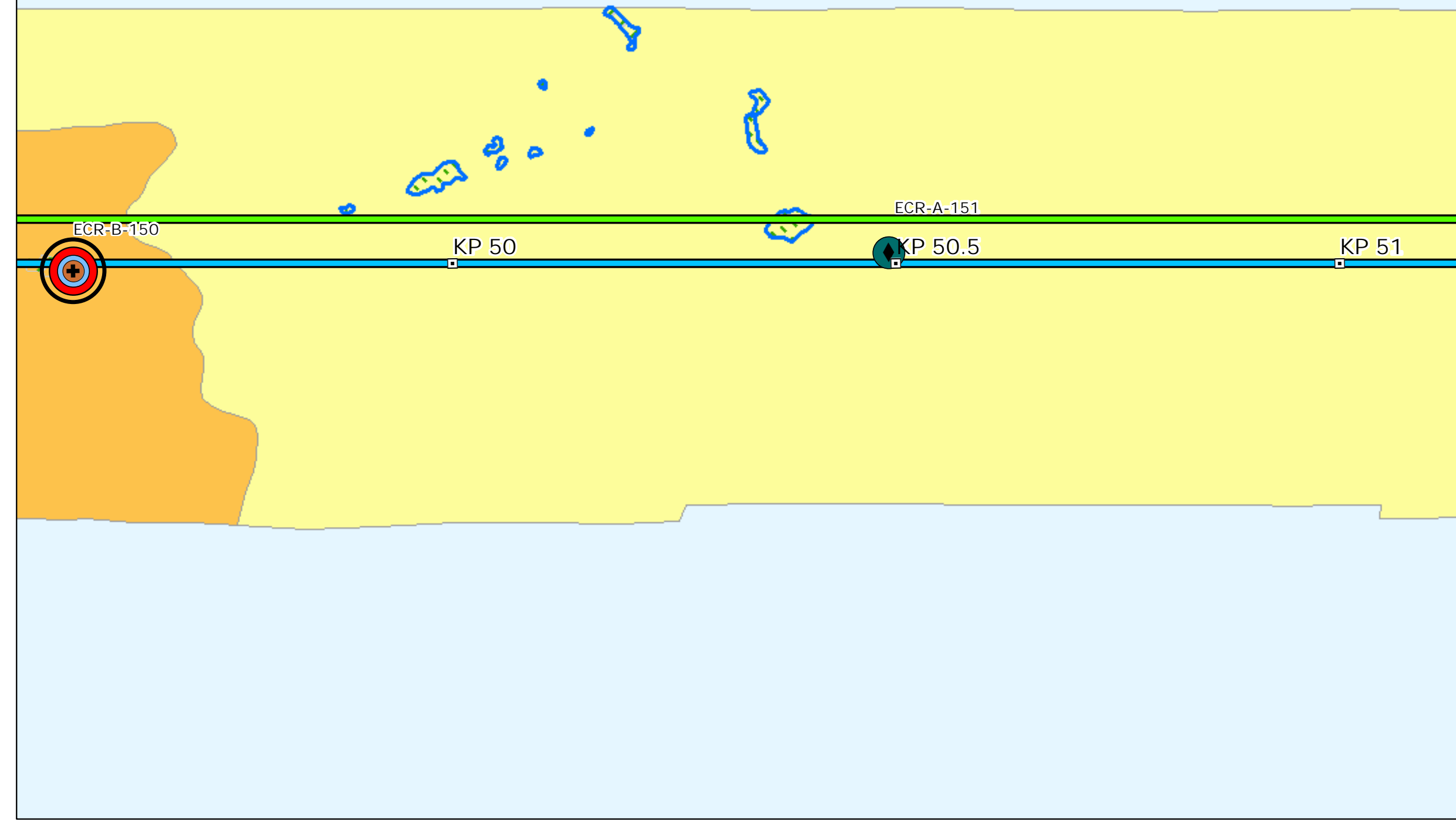
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

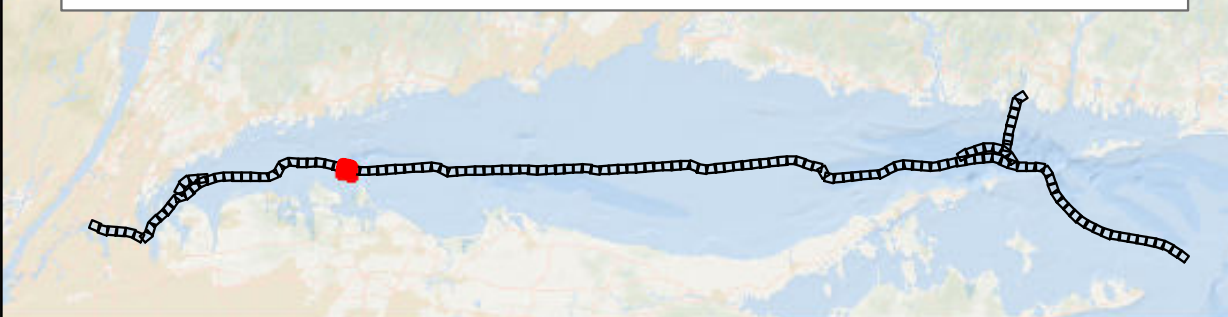


### Interpreted Seabed Sediment/NMFS Habitat Characterization

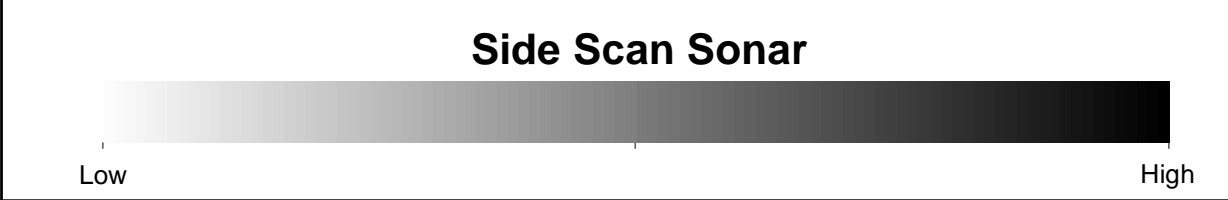
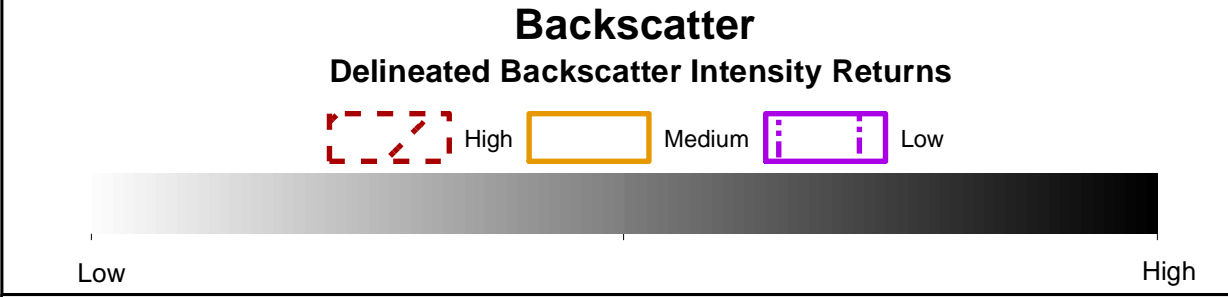
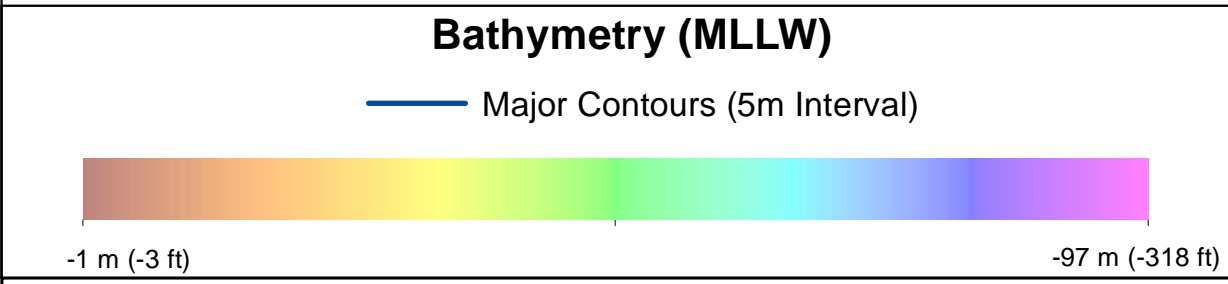
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



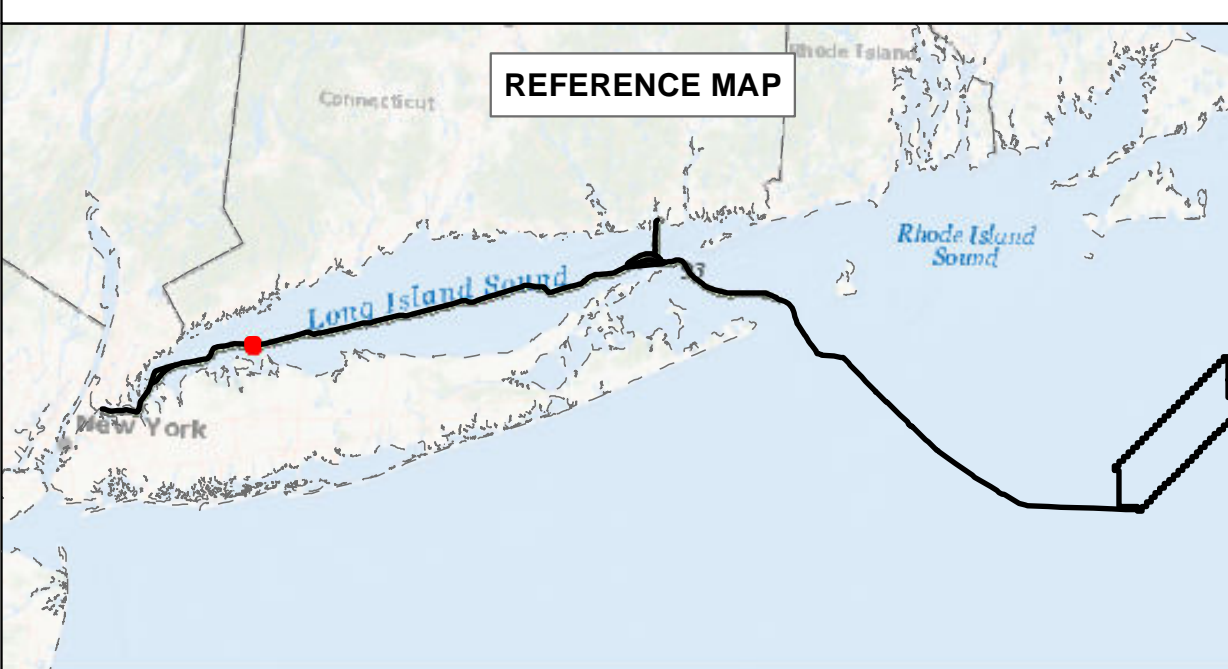
- BW1 and BW2 KPs
- Missing Backscatter Data
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |  |
|---|--|
| <b>Station Type</b><br>Grab and Video<br>SPI/PV<br><b>CMECS Biotic</b><br>Large Macrofauna<br><b>CMECS Substrate</b><br>Gravelly Mud<br>Sandy Mud<br><b>CMECS Geoform</b><br>Boulder Field<br>Northern Star Coral | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>Mud and Sandy Mud/Soft Bottom Habitat<br>Mixed Sediment/Complex Habitat<br>Numerous Boulders/Large Grained Complex Habitat<br>Occasional Boulders/Large Grained Complex Habitat<br>Heterogeneous Complex Habitat |
|---|--|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

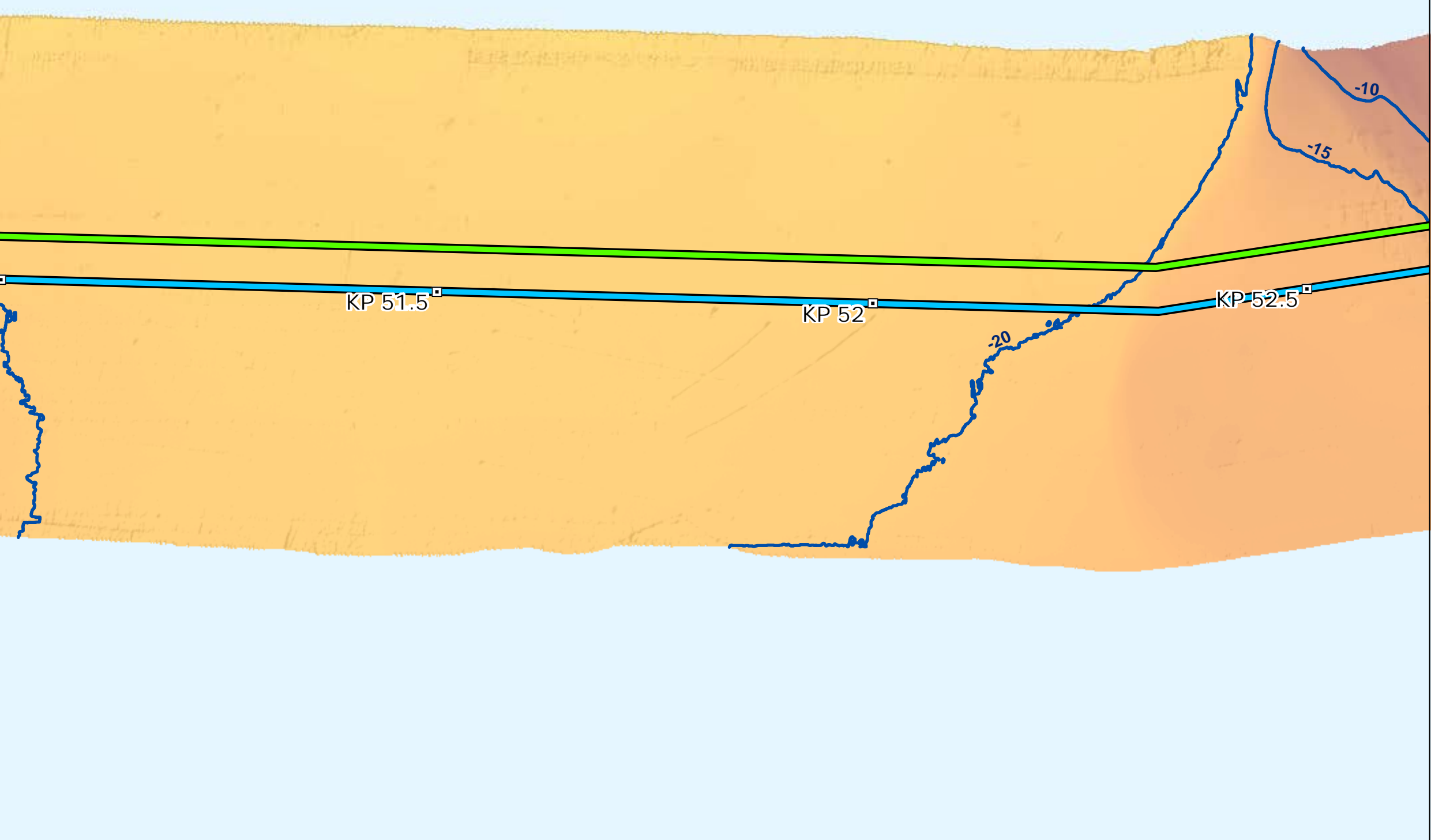


**BEACON WIND LEASE AREA OCS-A 0520**  
 Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 38  
 BW1 (NY) - KP 50 - KP 51  
 BW2 (NY) - KP 50 - KP 51  
 BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



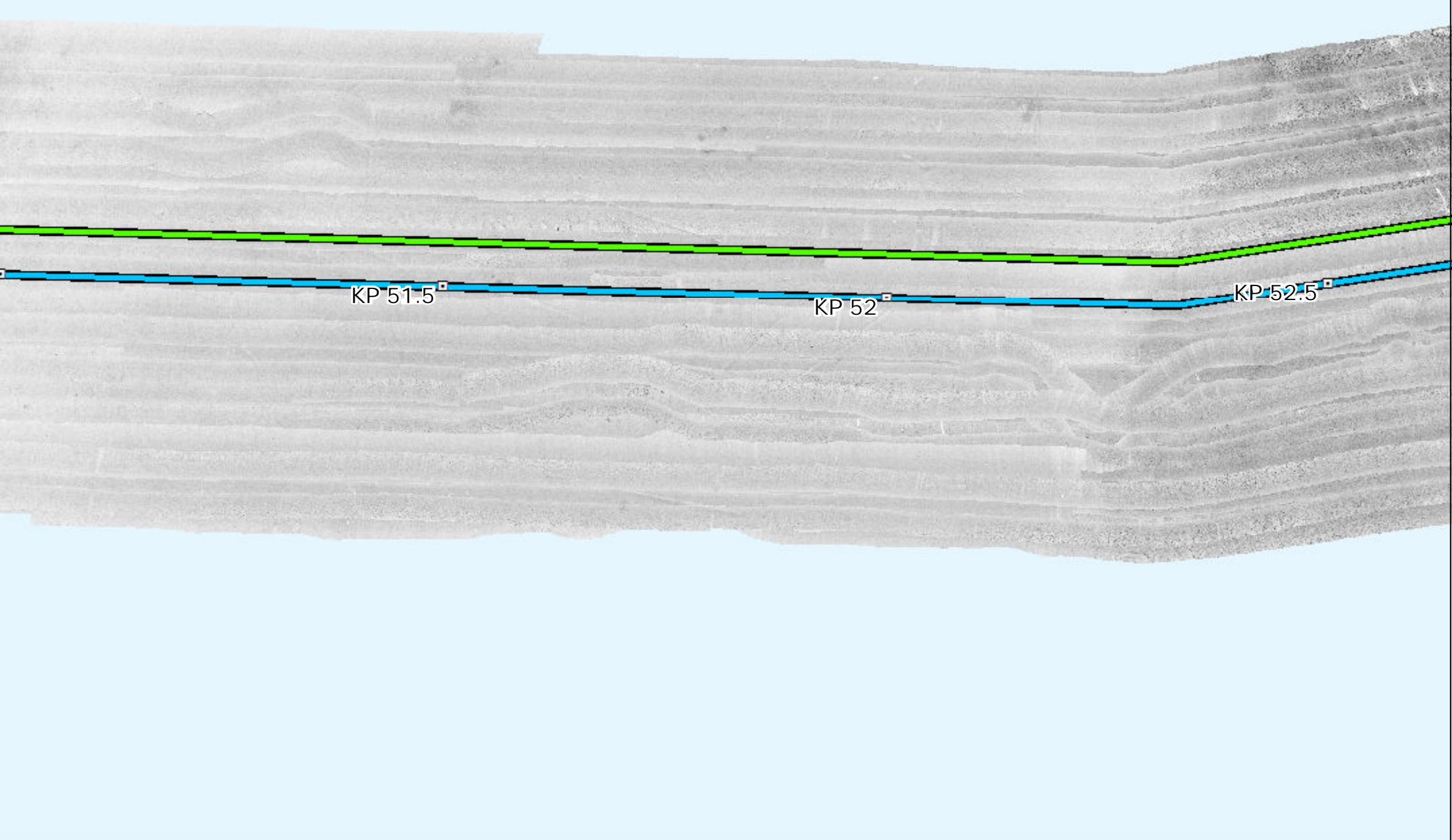
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



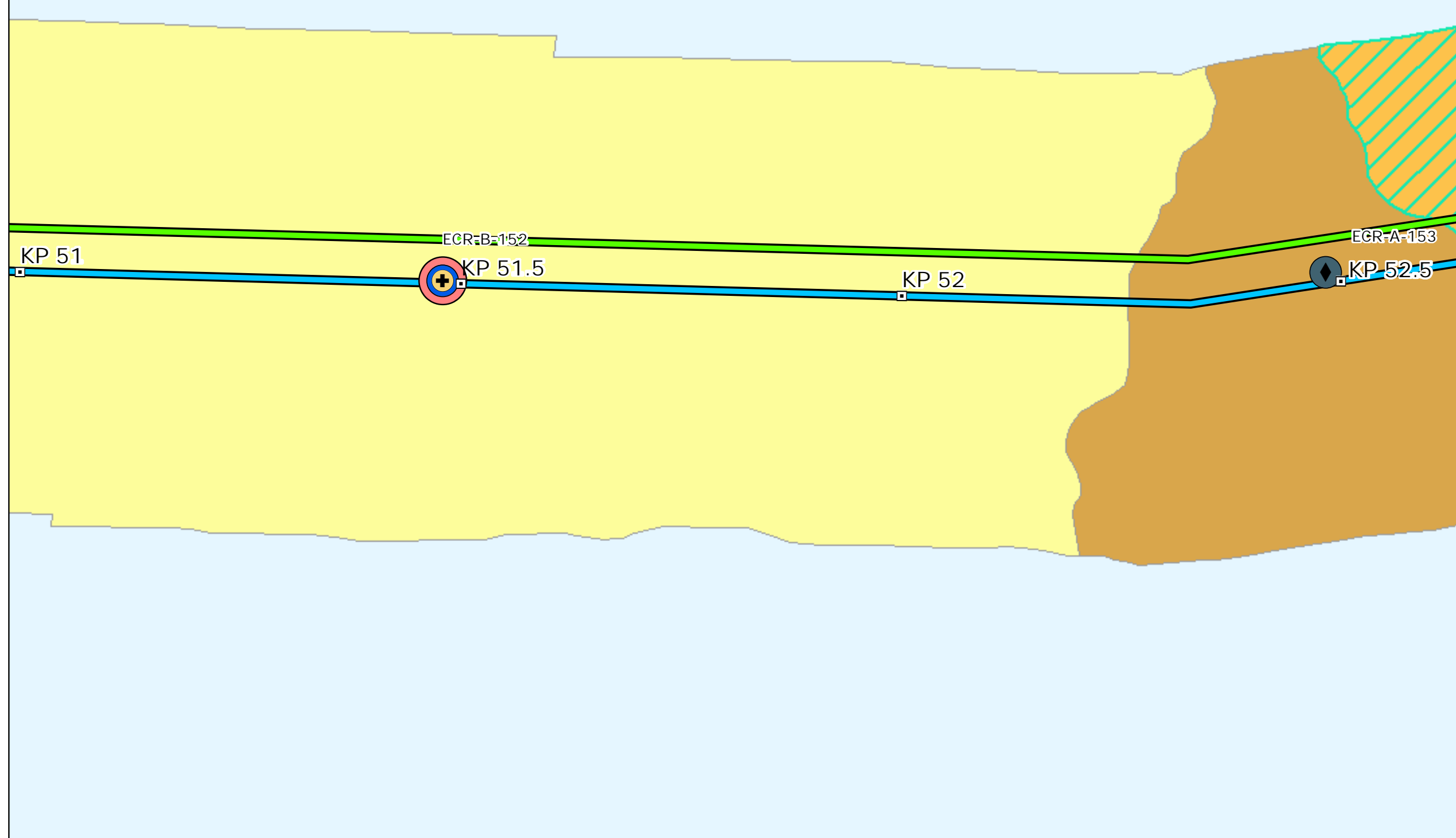
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

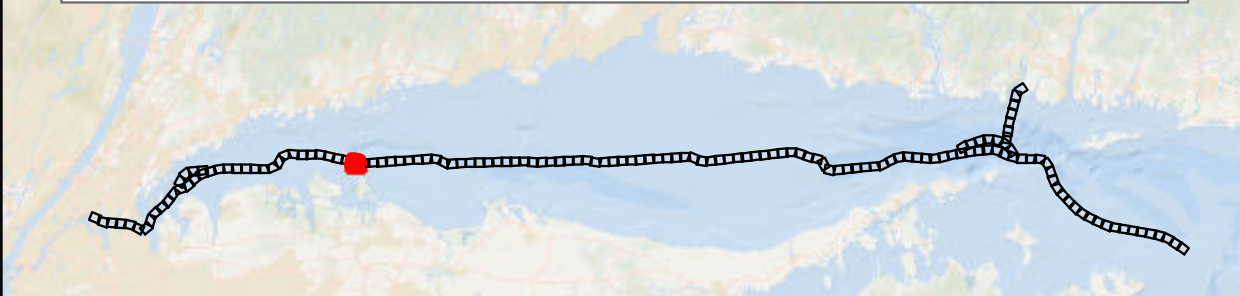


### Interpreted Seabed Sediment/NMFS Habitat Characterization

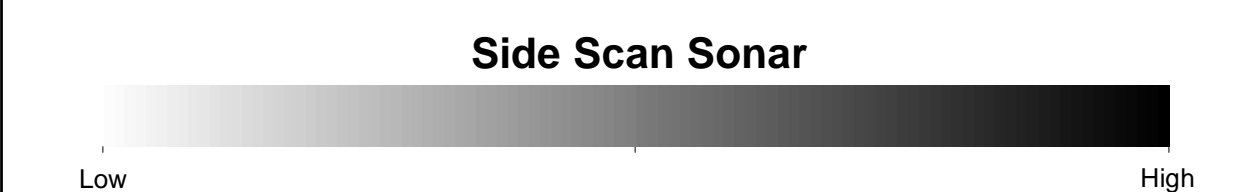
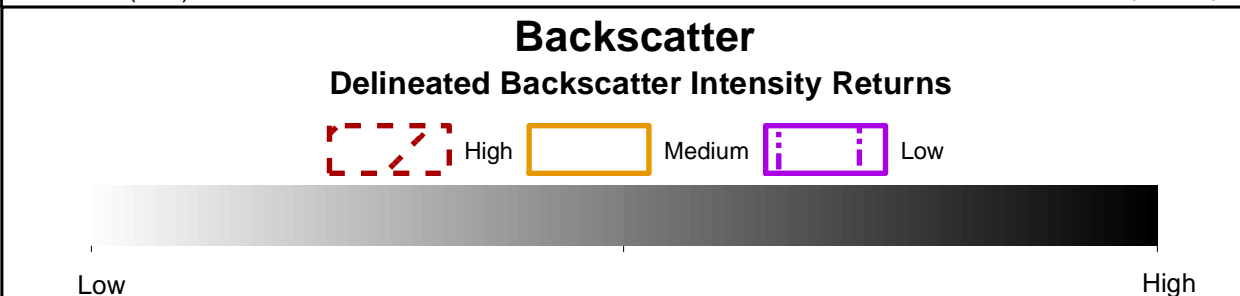
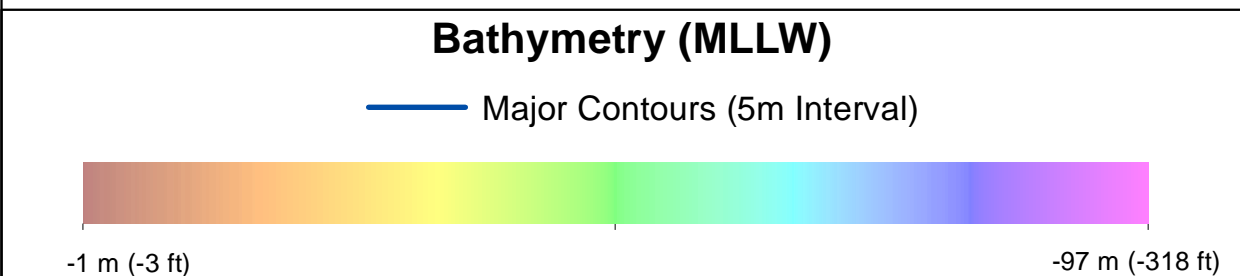
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters

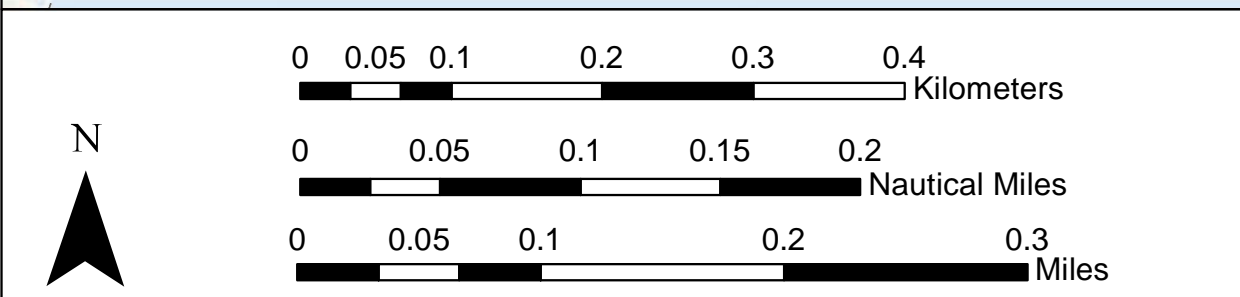
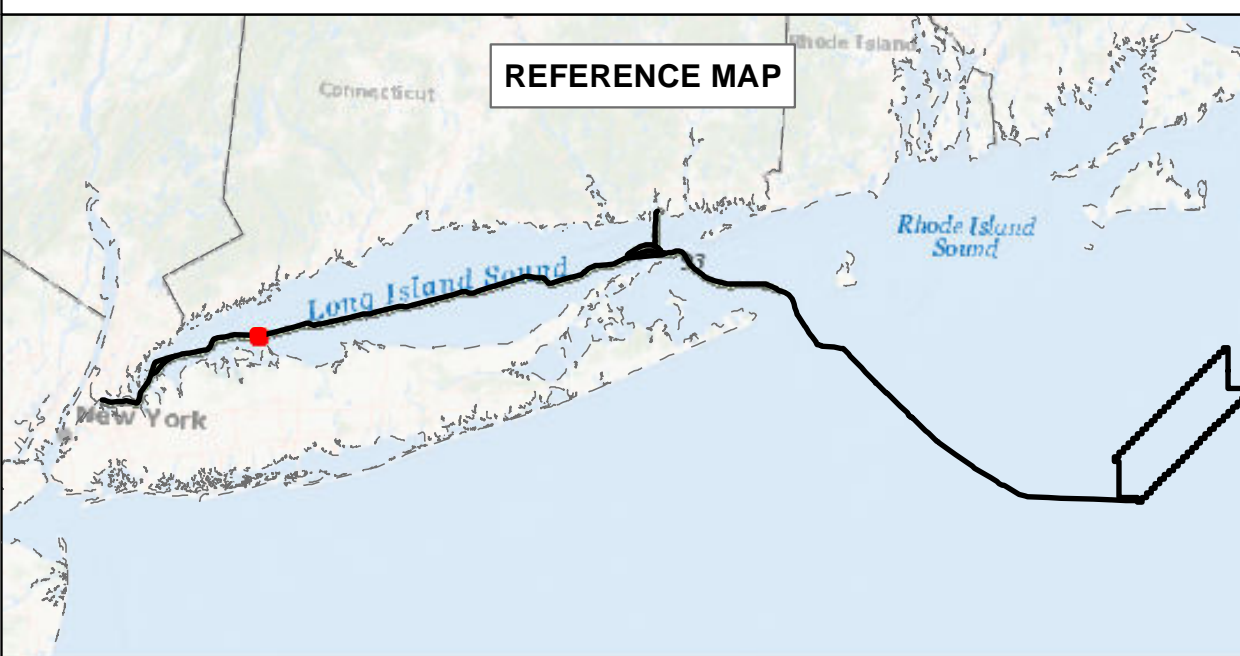


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     | ■ Mixed Sediment/Complex Habitat                                 |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Muddy Sand            |  |
| ● Sand                  |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
- Note:  
1) Legend only shows items visible in the current map extent.

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Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

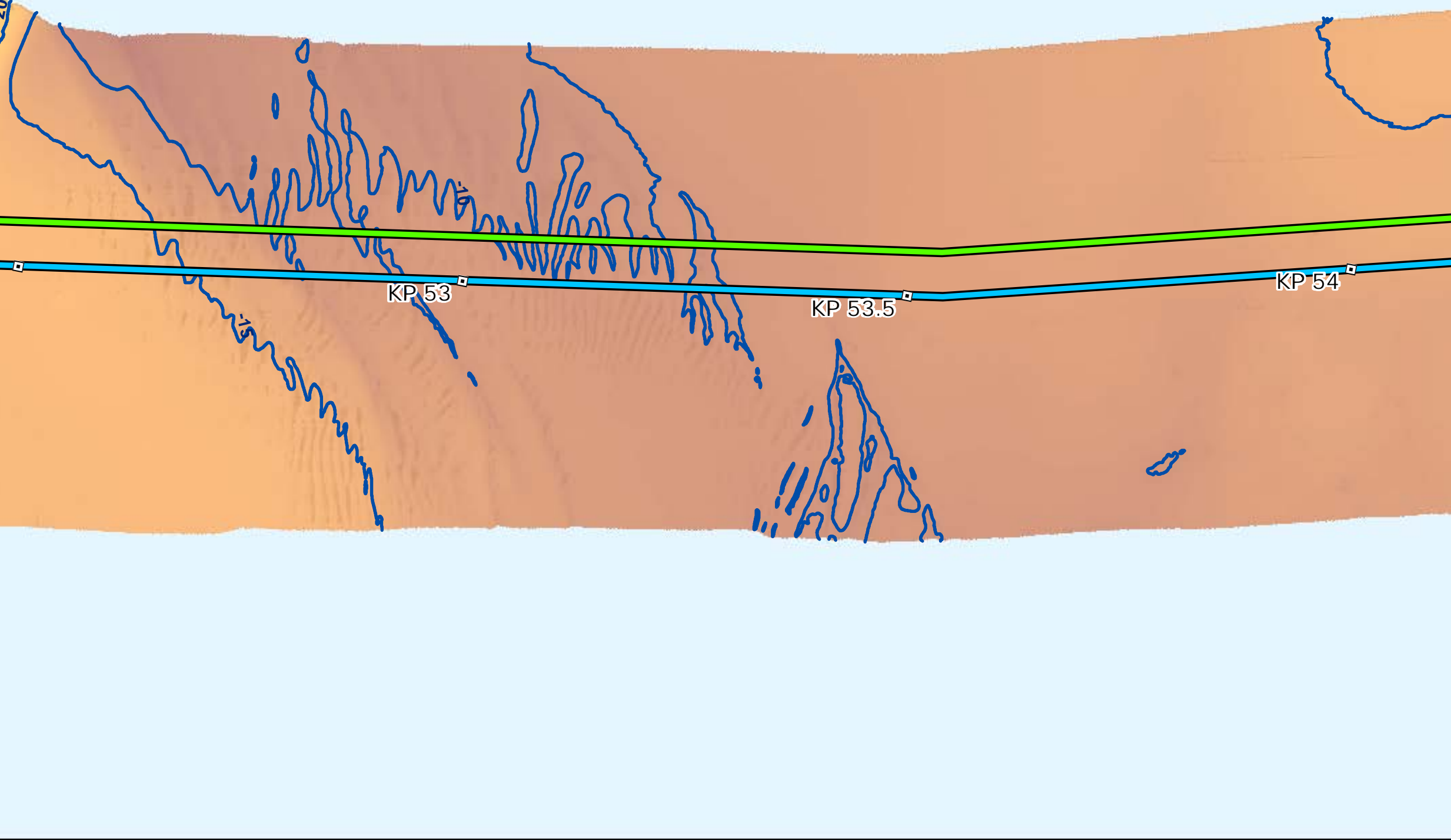
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 39

BW1 (NY) - KP 51.5 - KP 52.5  
BW2 (NY) - KP 51.5 - KP 52.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



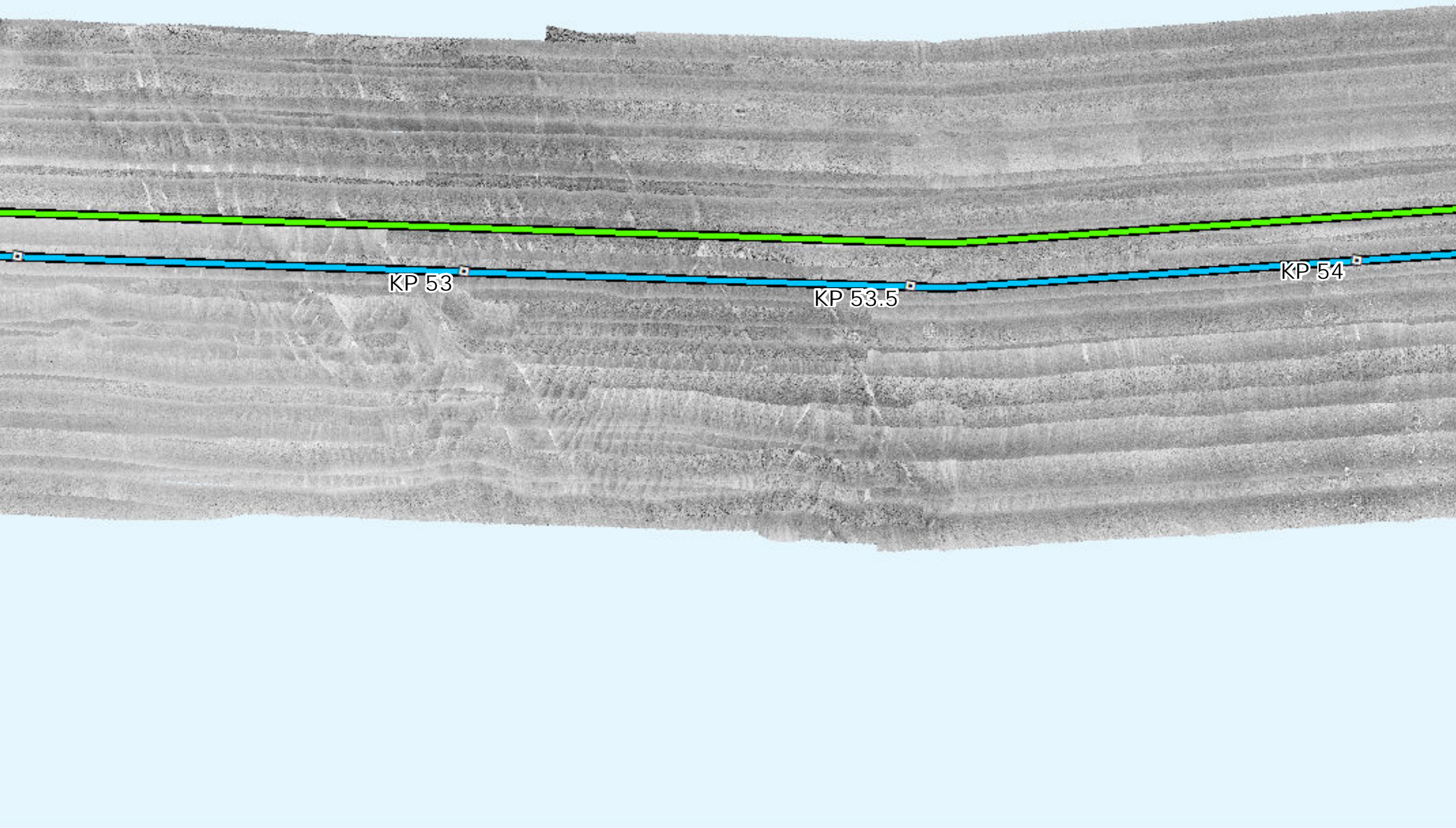
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



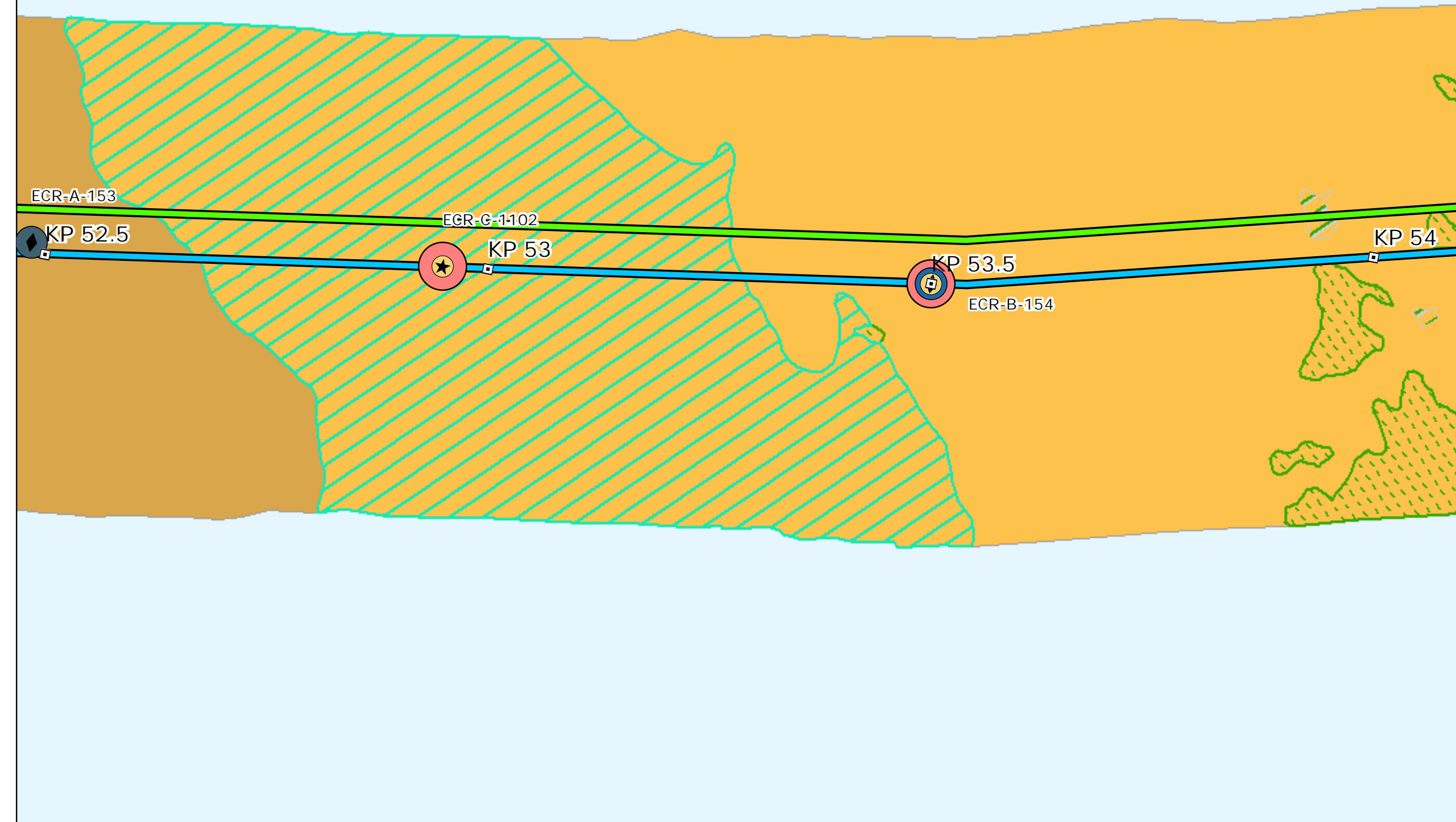
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

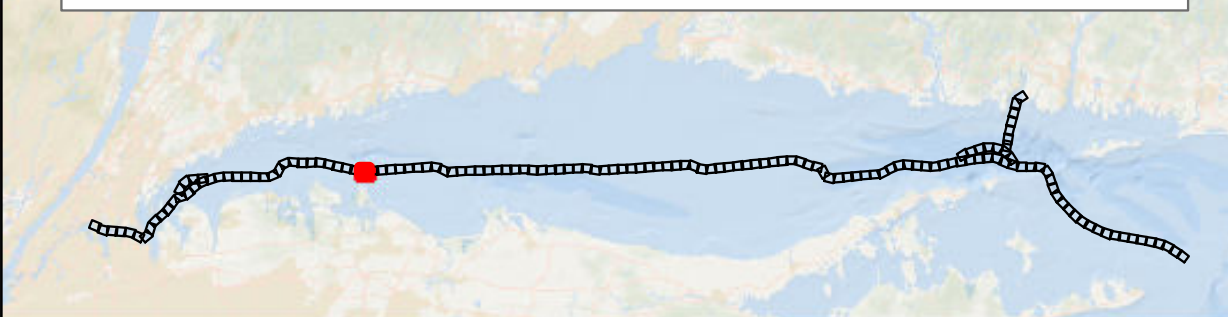


# Interpreted Seabed Sediment/NMFS Habitat Characterization

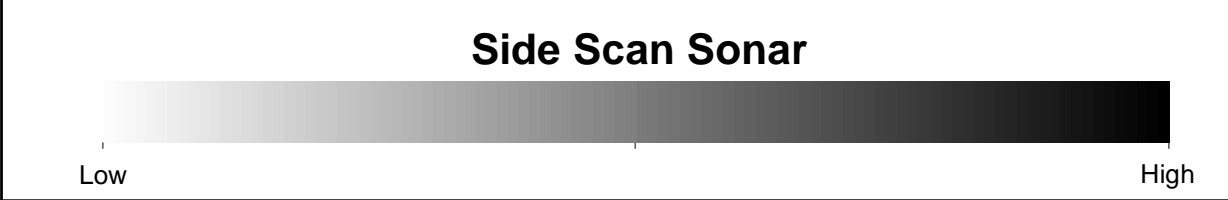
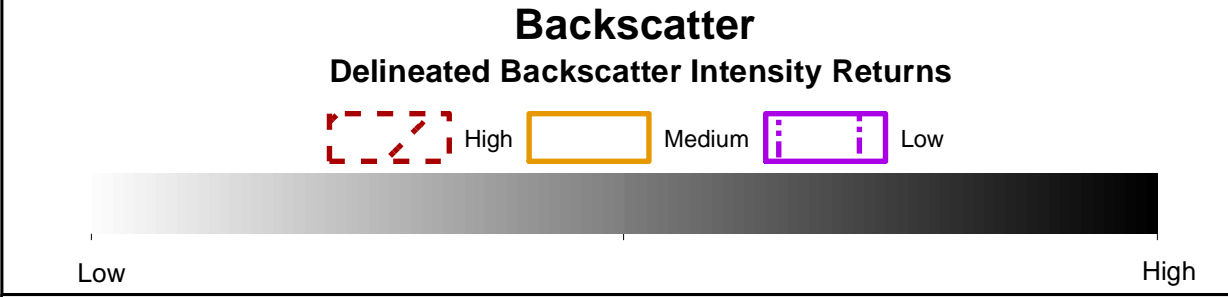
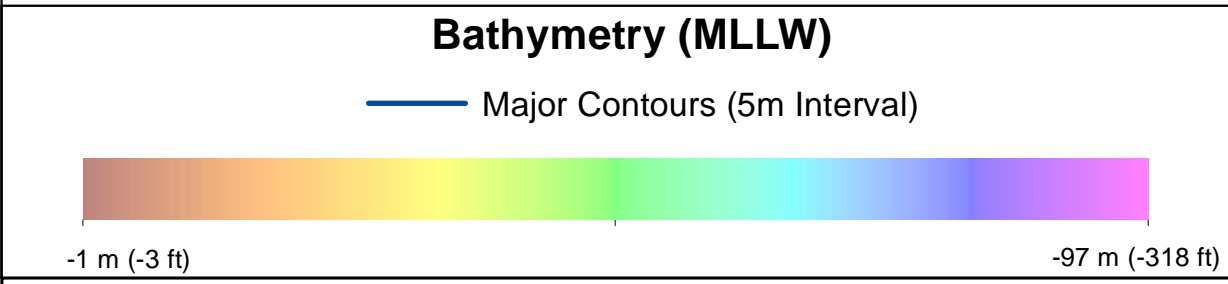
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

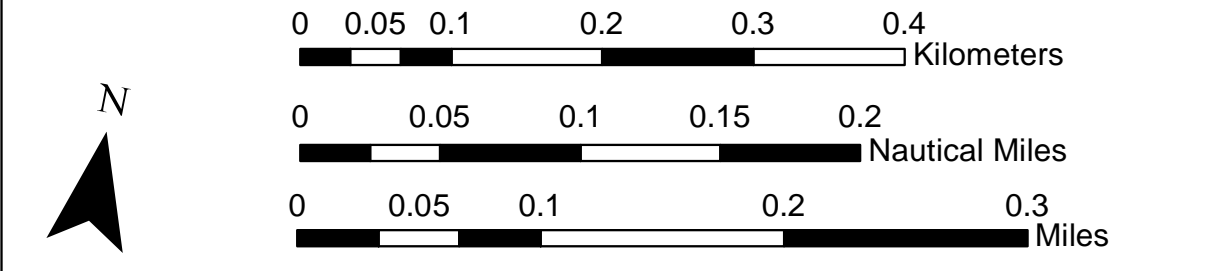
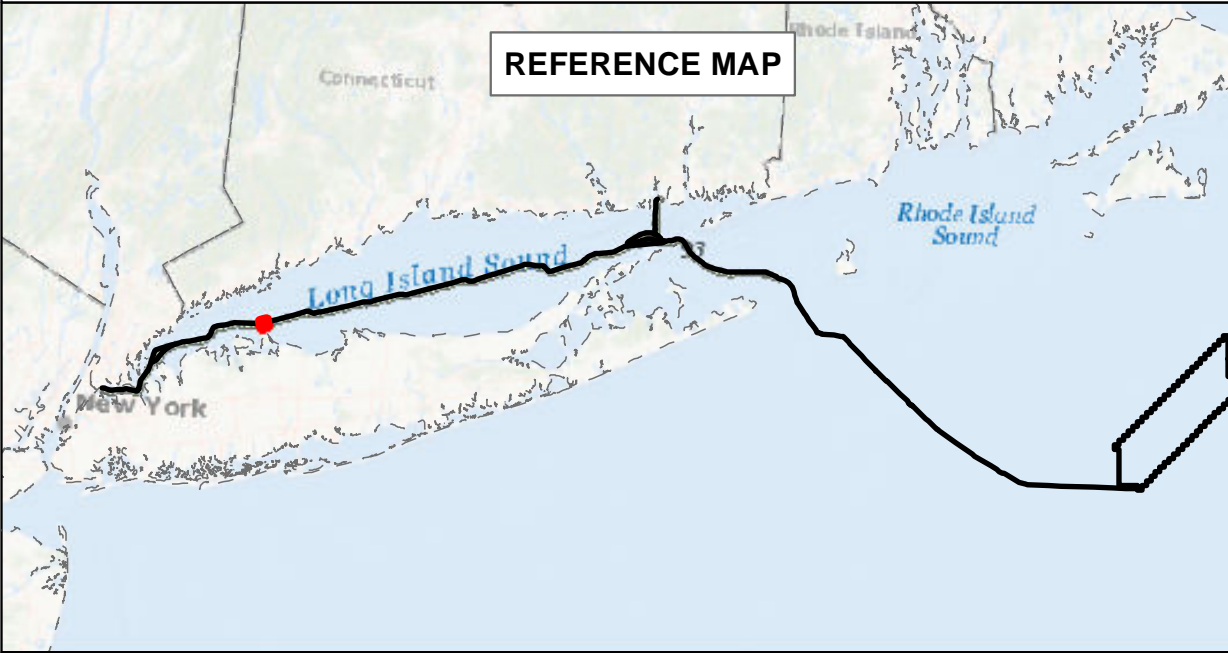


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |   |   |
|---|---|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">◆</span> SPI/PV</li> <li><span style="color: black;">★</span> Video</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Soft Sediment Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Crepidula Reef Substrate</li> <li><span style="color: grey;">●</span> Sand</li> <li><span style="color: red;">●</span> Burrows/Bioturbation</li> </ul> <p><b>Benthic Features</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; padding: 2px;">□</span> Megaripples</li> </ul> | <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li><span style="background-color: #d2b48c; width: 15px; height: 10px; display: inline-block;"></span> Sand and Muddy</li> <li><span style="background-color: #f0e68c; width: 15px; height: 10px; display: inline-block;"></span> Sand/Soft Bottom Habitat</li> <li><span style="background-color: #f0e68c; width: 15px; height: 10px; display: inline-block;"></span> Mixed Sediment/Complex Habitat</li> <li><span style="background-color: #f0e68c; width: 15px; height: 10px; display: inline-block;"></span> Habitat</li> <li><span style="background-color: #90ee90; width: 15px; height: 10px; display: inline-block;"></span> Numerous Boulders/Large Grained Complex Habitat</li> <li><span style="background-color: #90ee90; width: 15px; height: 10px; display: inline-block;"></span> Occasional Boulders/Large Grained Complex Habitat</li> </ul> |
|---|---|
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

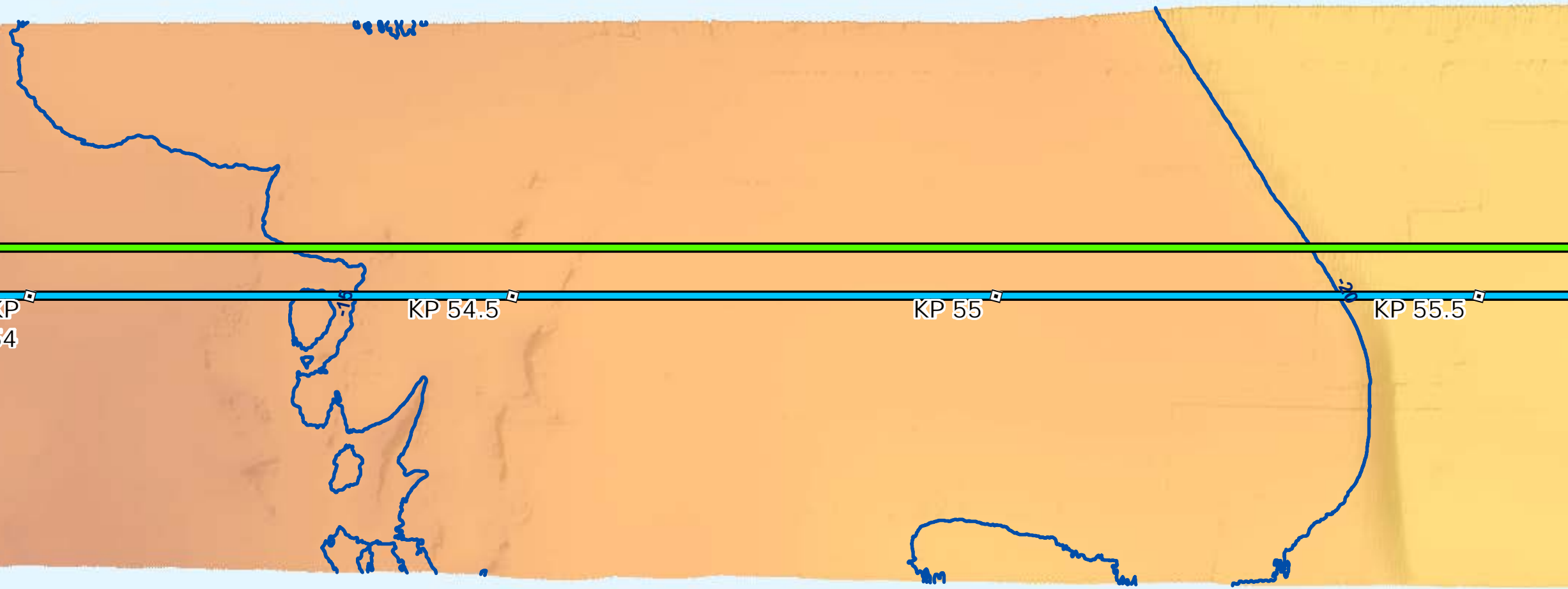
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 40

BW1 (NY) - KP 53 - KP 54  
BW2 (NY) - KP 53 - KP 54  
BW2 (CT) - N/A



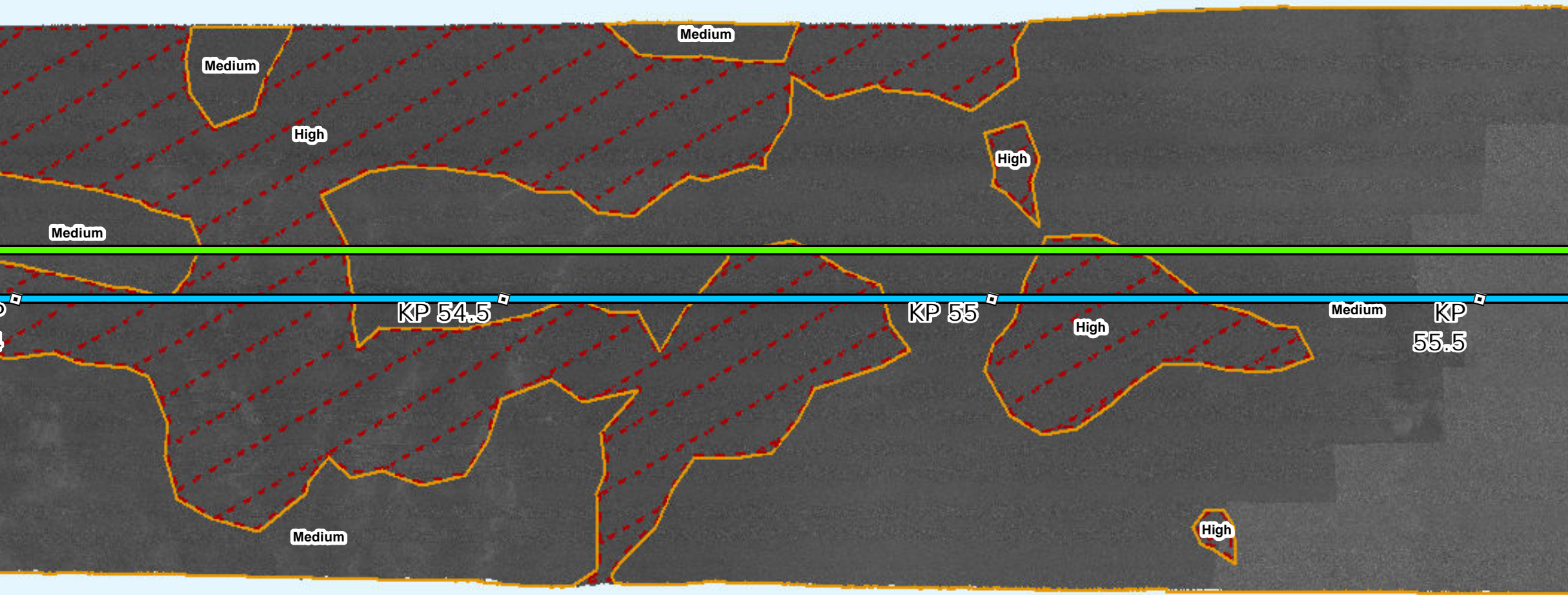
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



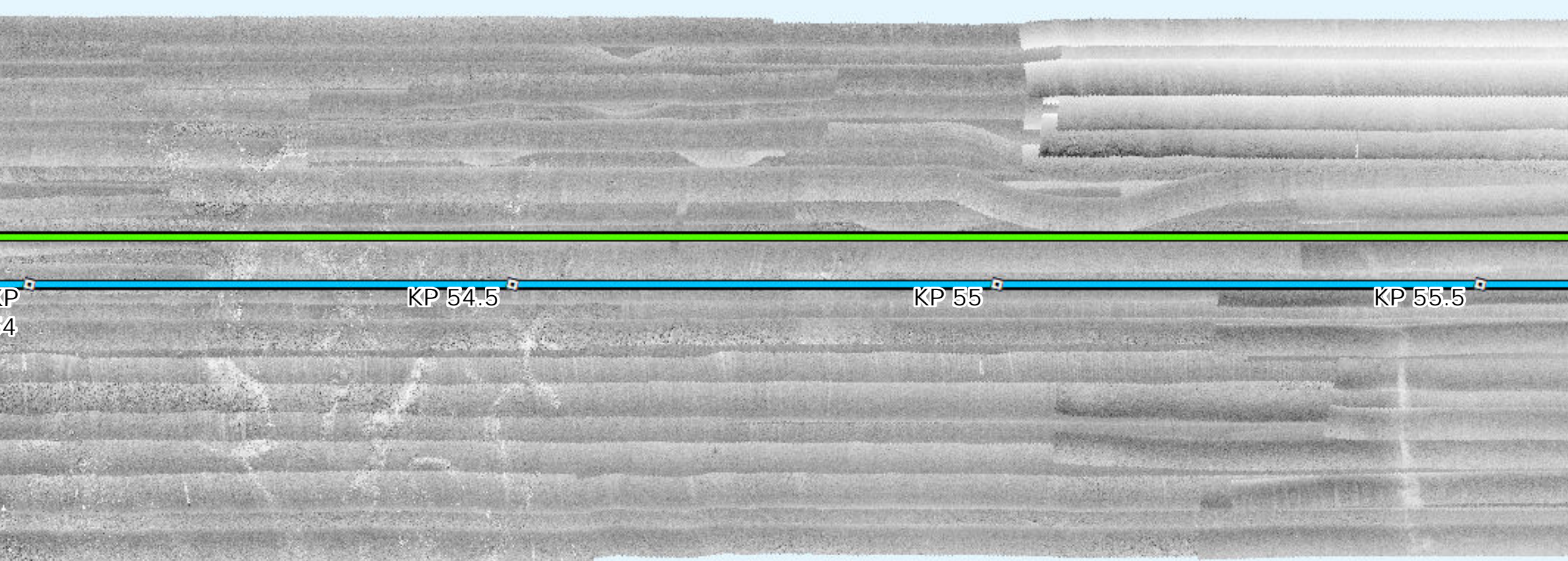
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

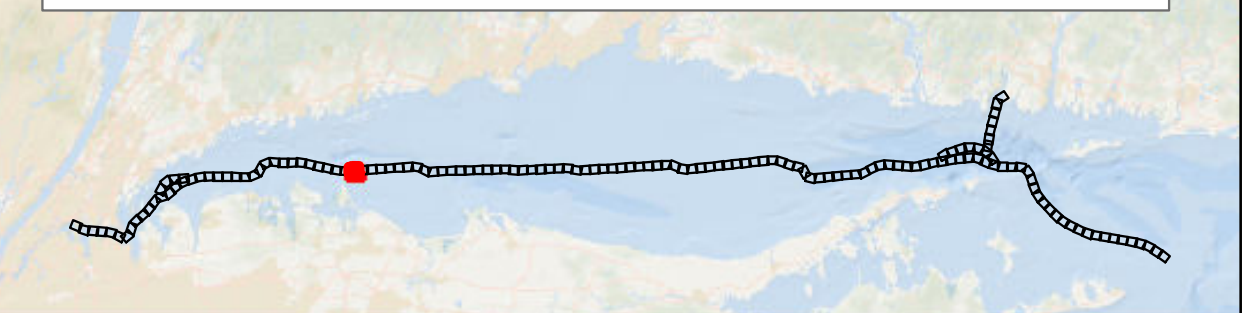


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

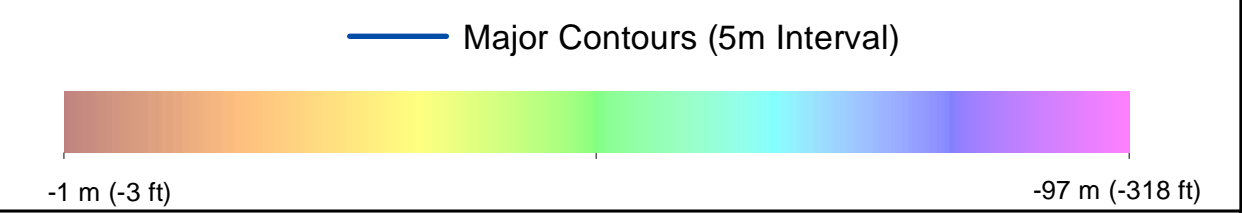


# Map Book Package for Submarine Export Cable Route in State Waters

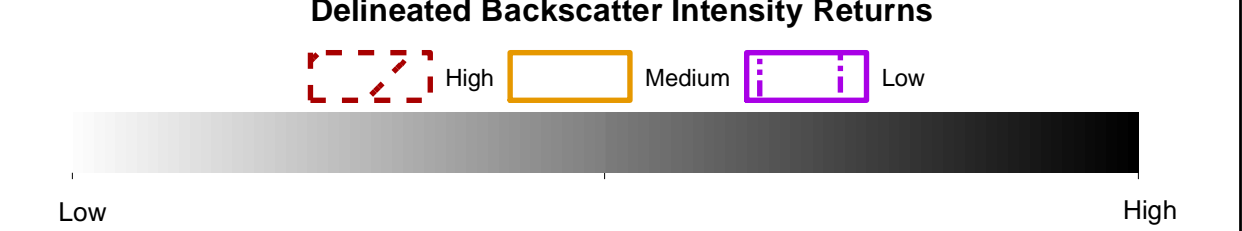


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



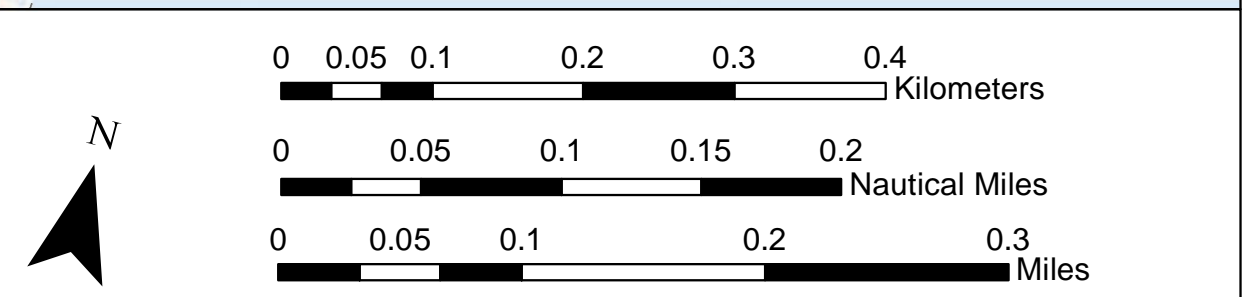
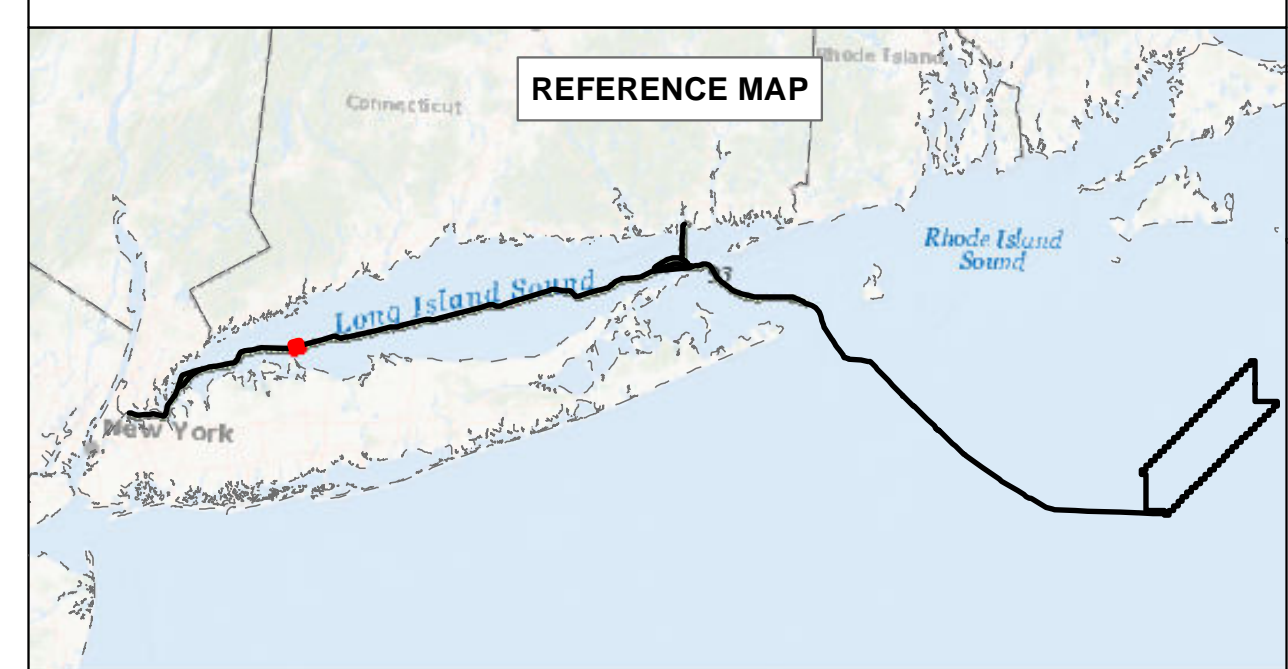
## Side Scan Sonar



## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly
  - Muddy Sand
  - Burrows/Bioturbation
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

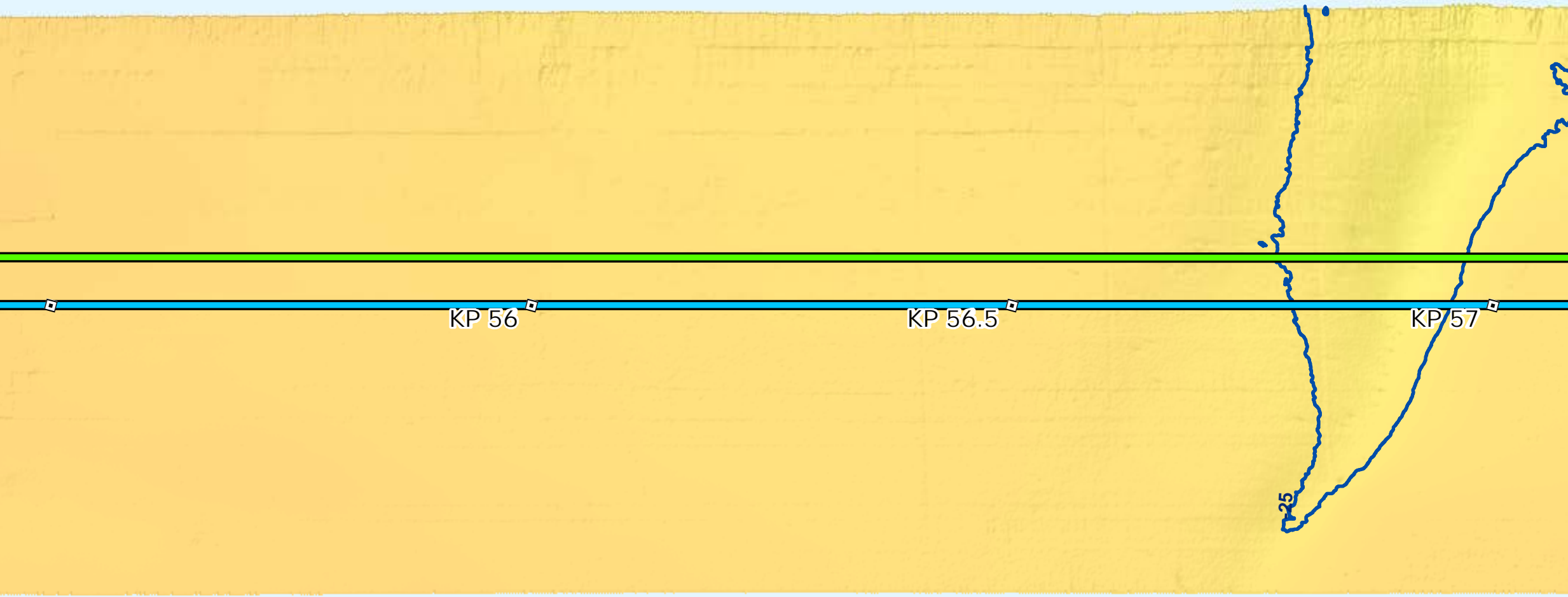
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 41

BW1 (NY) - KP 54 - KP 55.5  
BW2 (NY) - KP 54 - KP 55.5  
BW2 (CT) - N/A



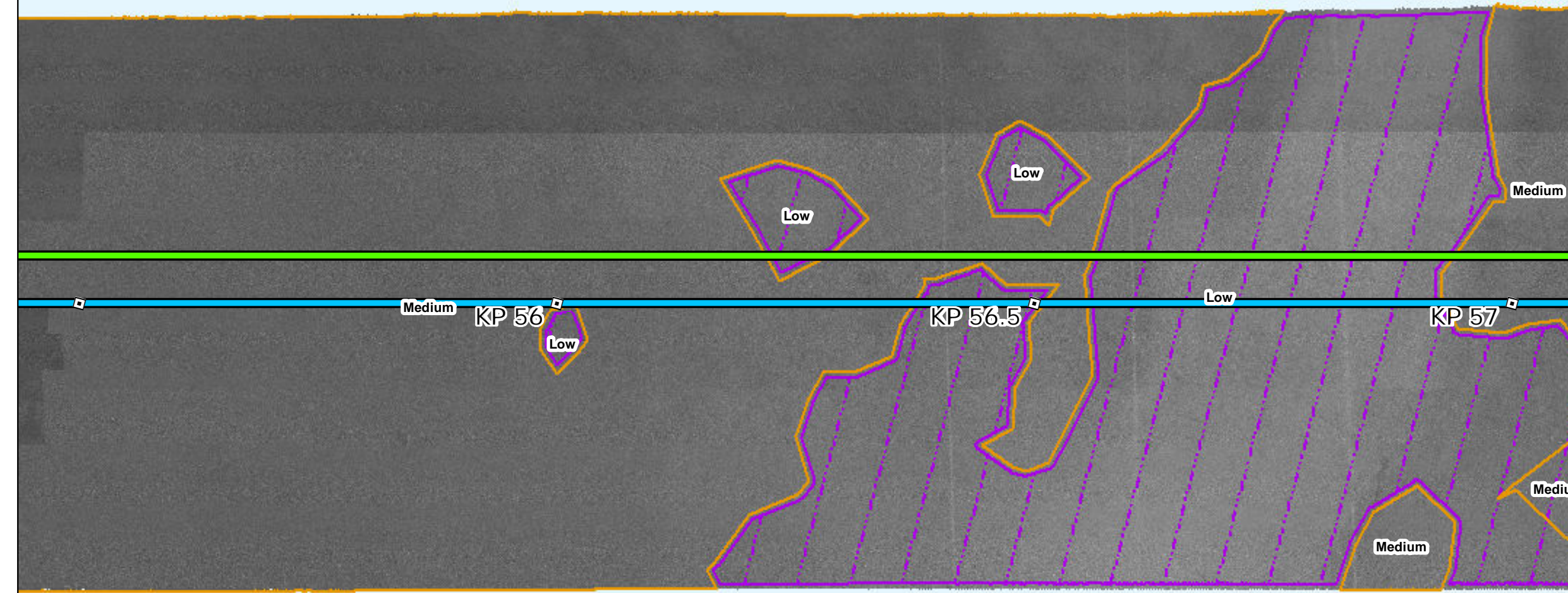
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



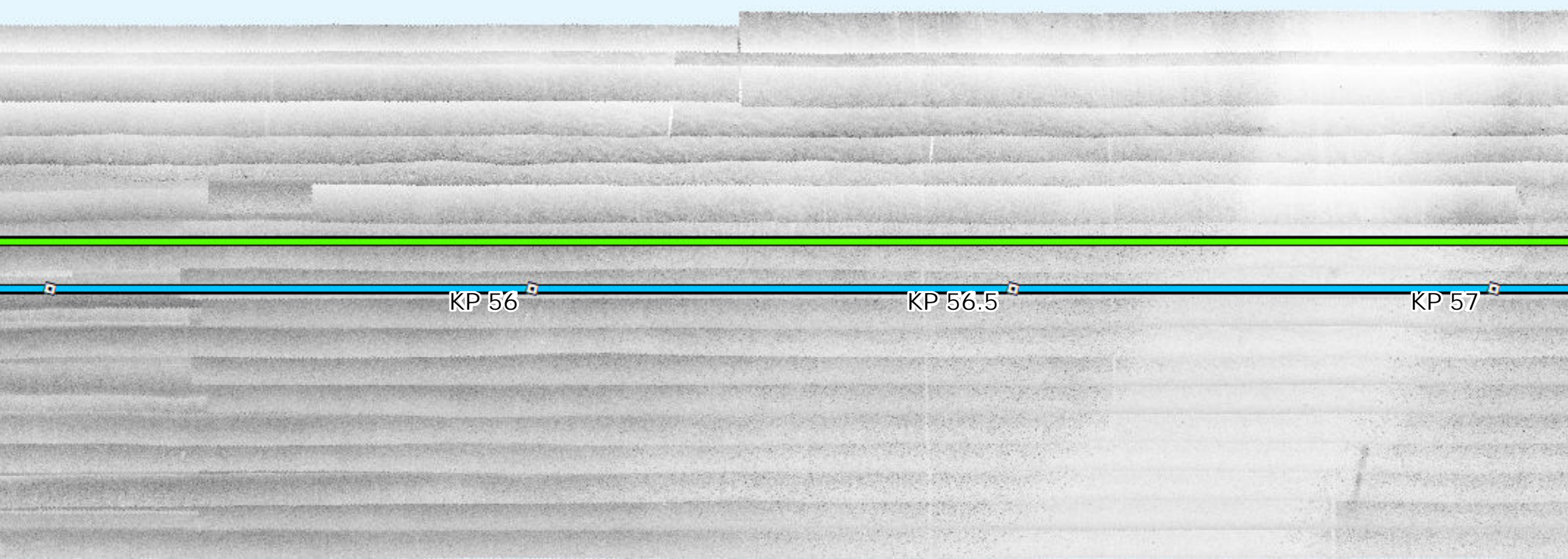
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



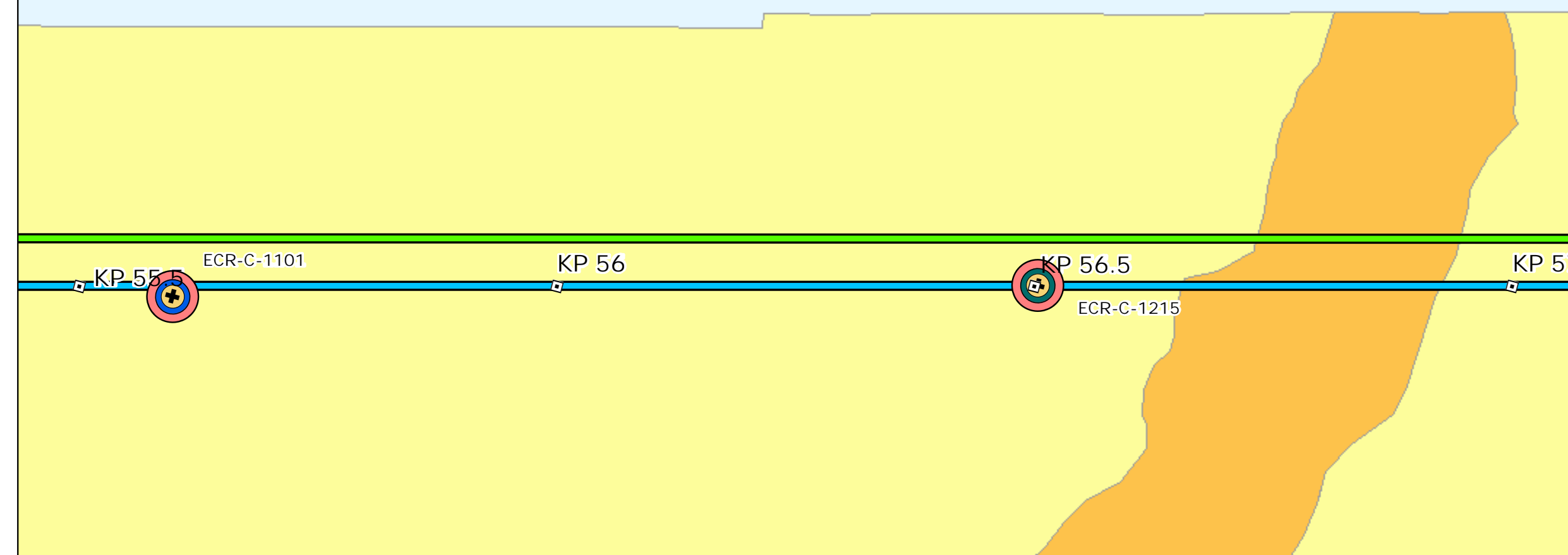
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/ NMFS Habitat Characterization

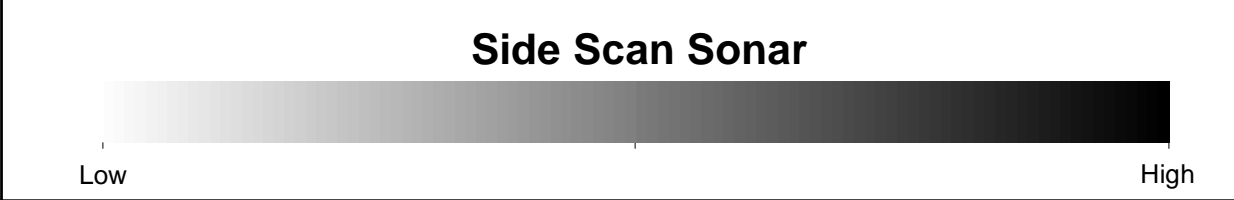
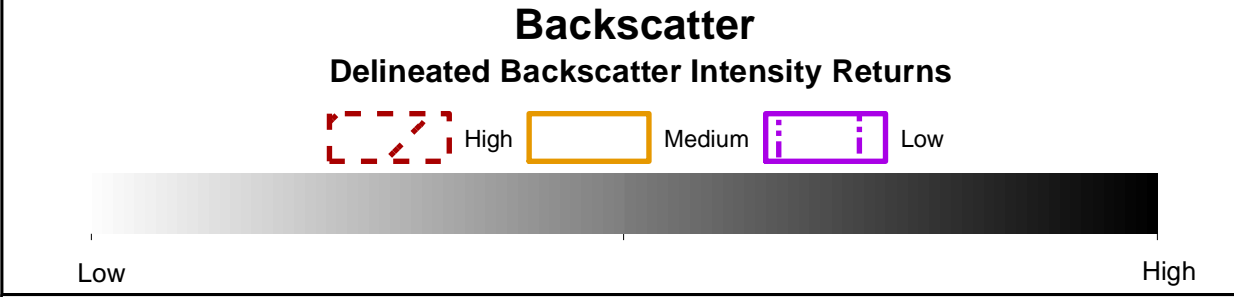
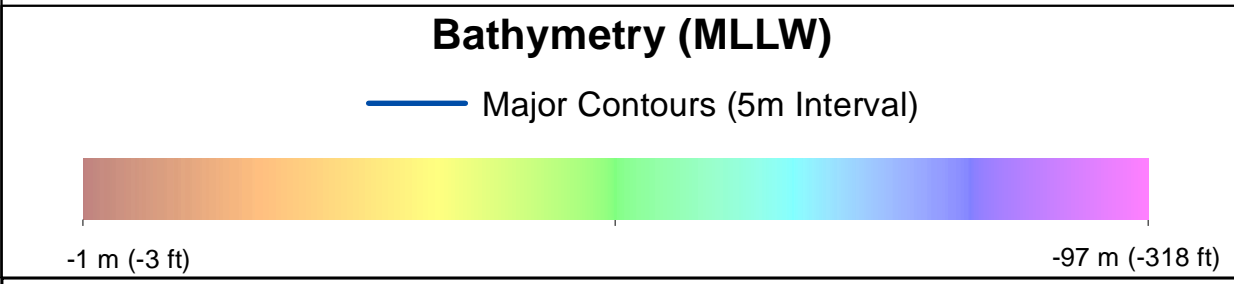
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



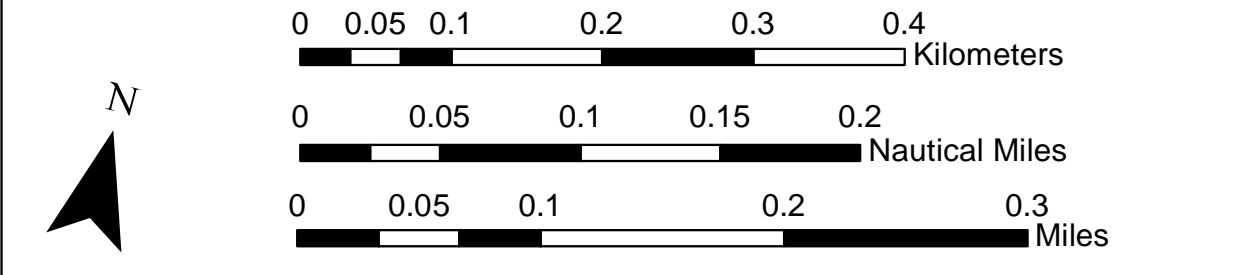
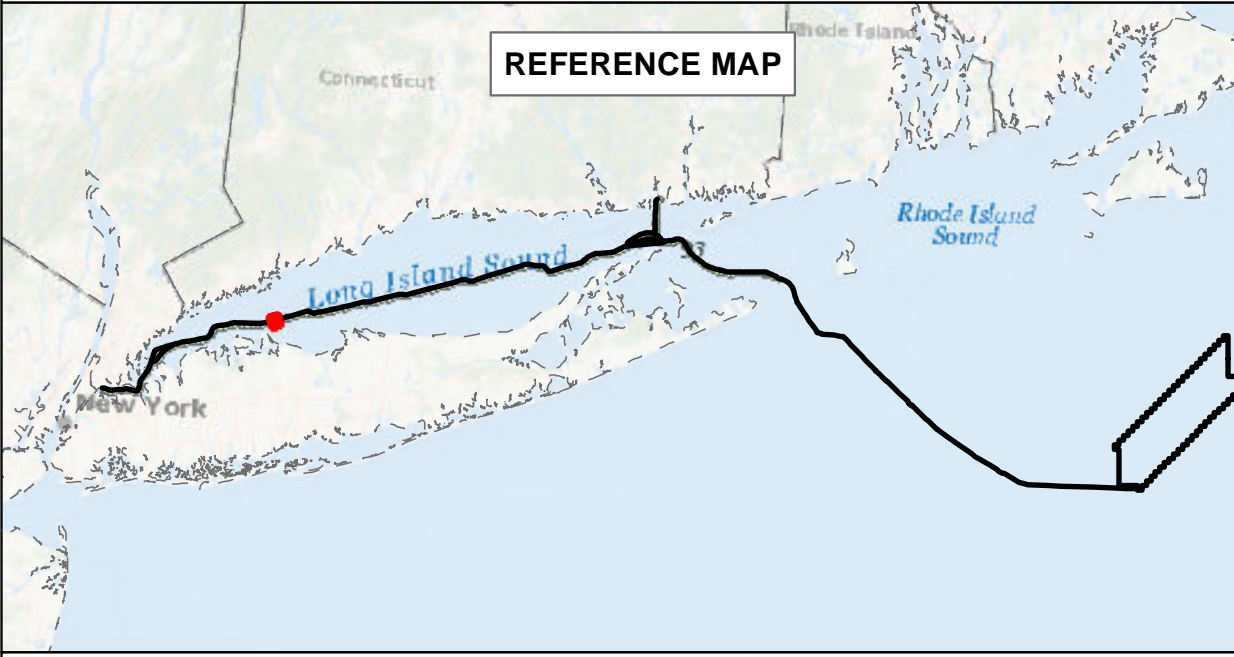
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- ✚ Grab and Video
  - Mixed Sediment/Complex Habitat
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Muddy Sand
  - Sandy Mud
- CMECS Geofom**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

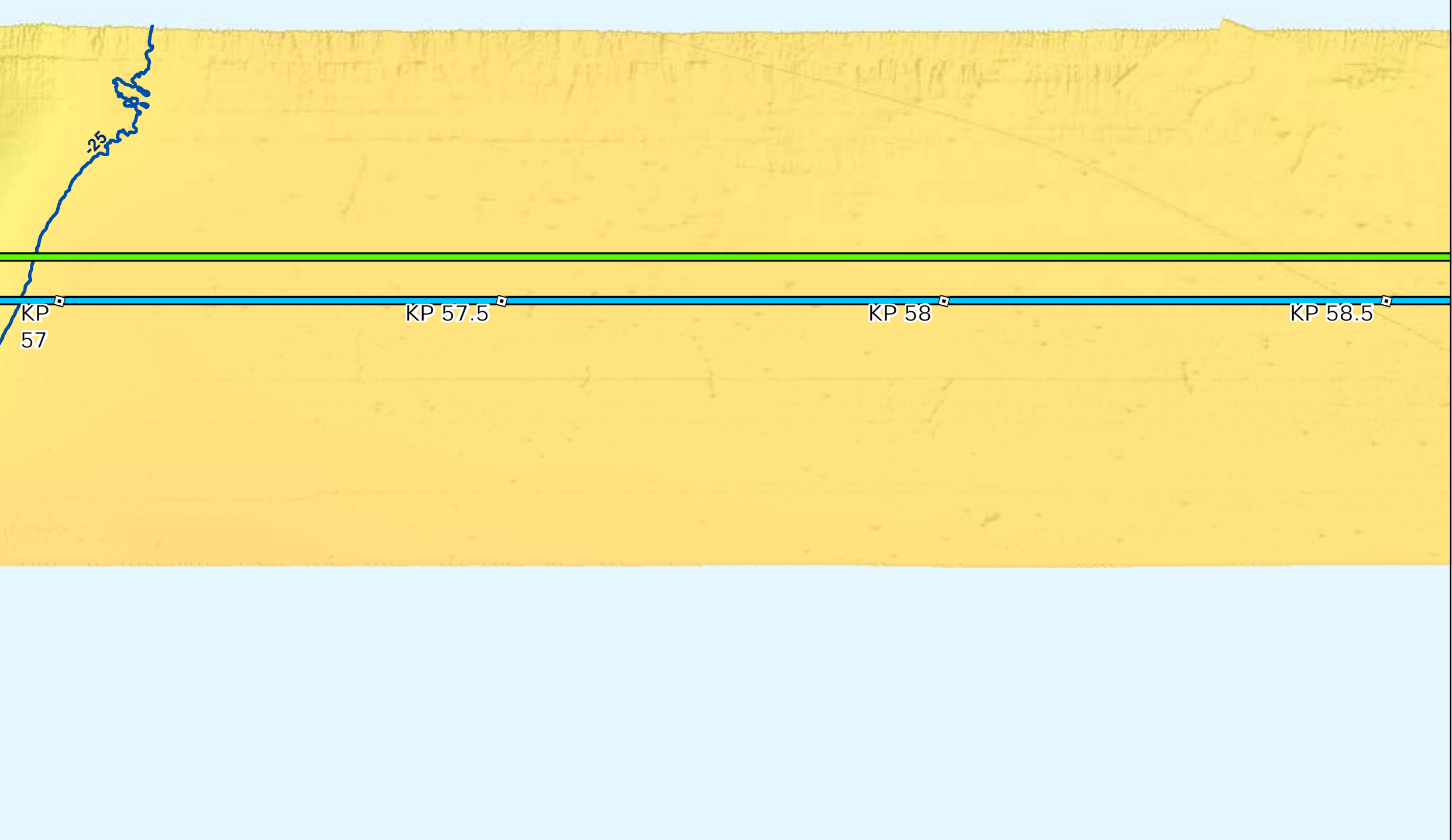
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 42

BW1 (NY) - KP 55.5 - KP 57  
BW2 (NY) - KP 55.5 - KP 57  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



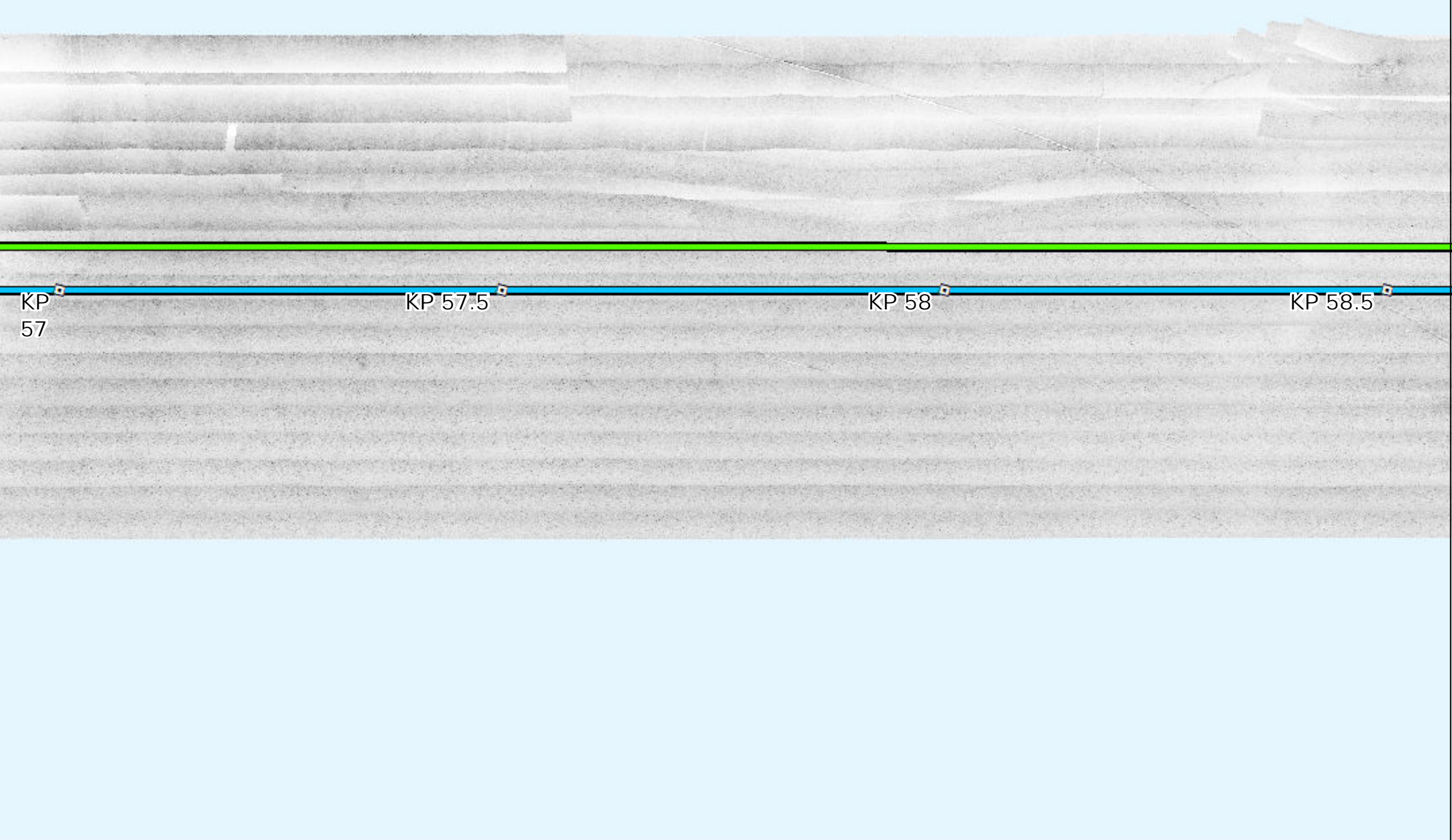
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



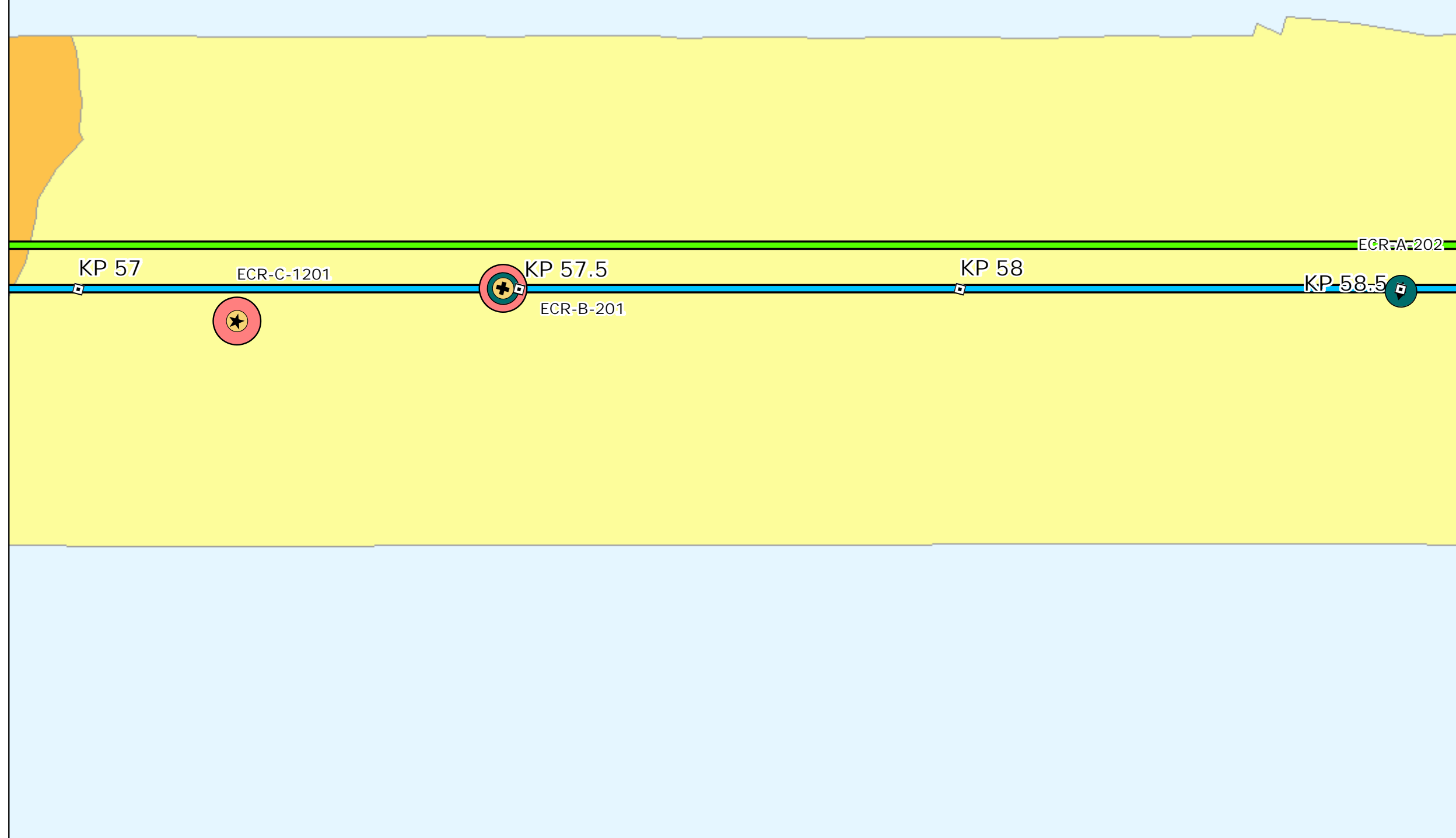
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

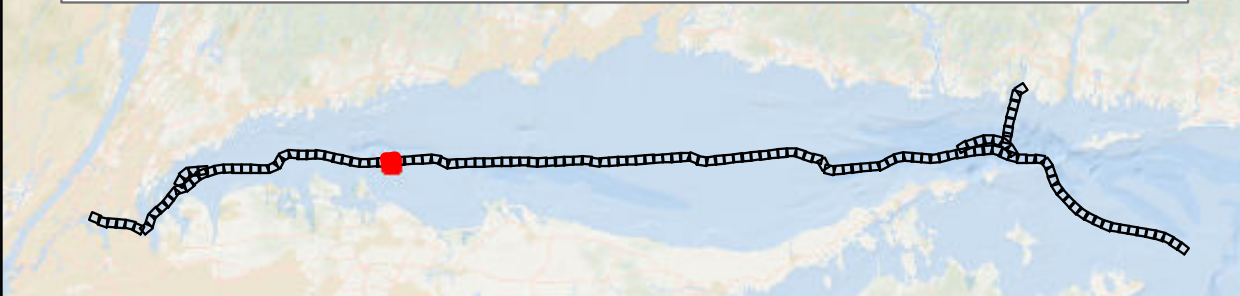


# Interpreted Seabed Sediment/NMFS Habitat Characterization

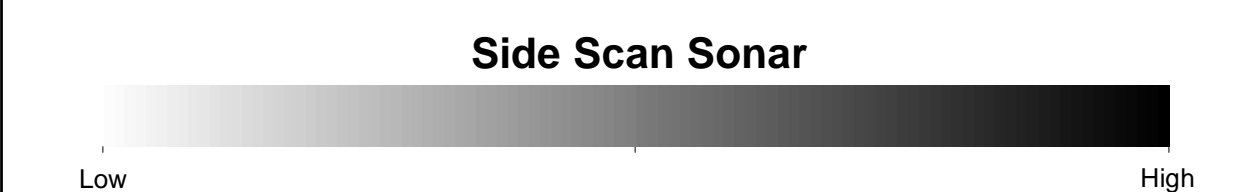
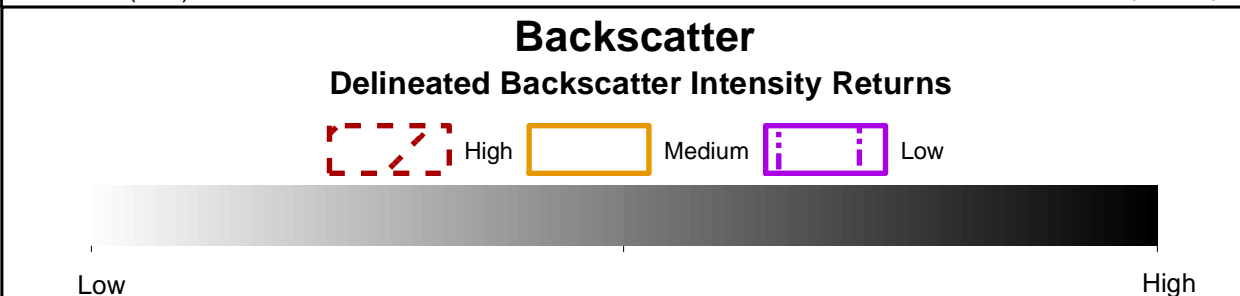
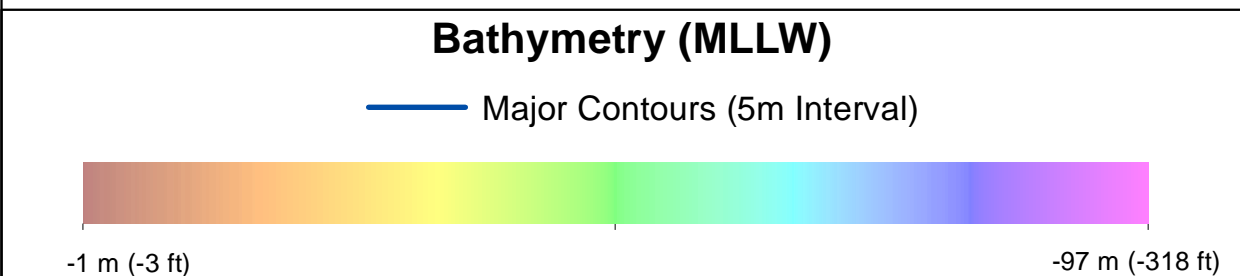
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

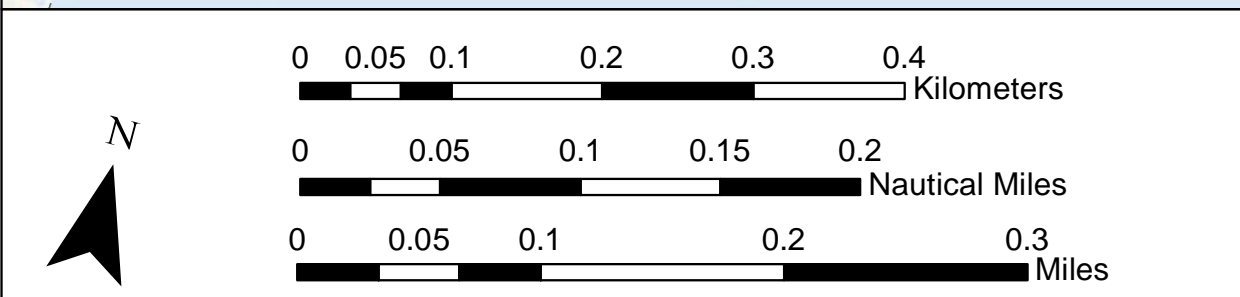
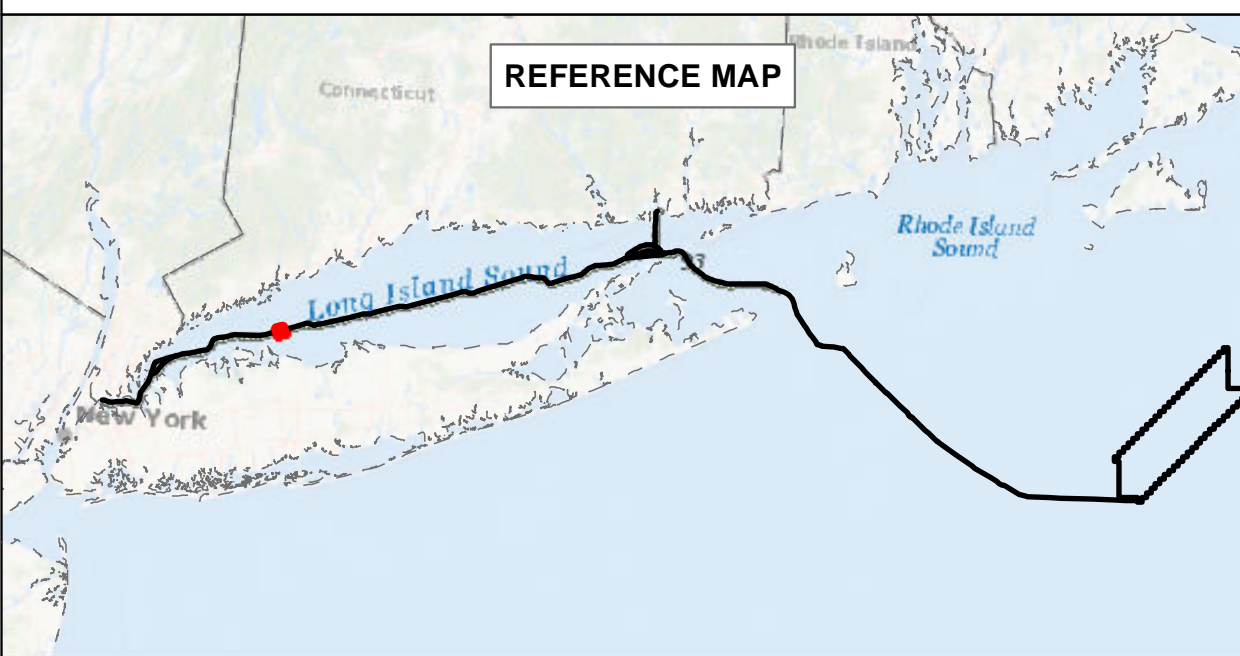


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - ✦ Grab and Video
    - ◆ SPI/PV
    - ★ Video
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Sandy Mud
  - CMECS Geofom**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

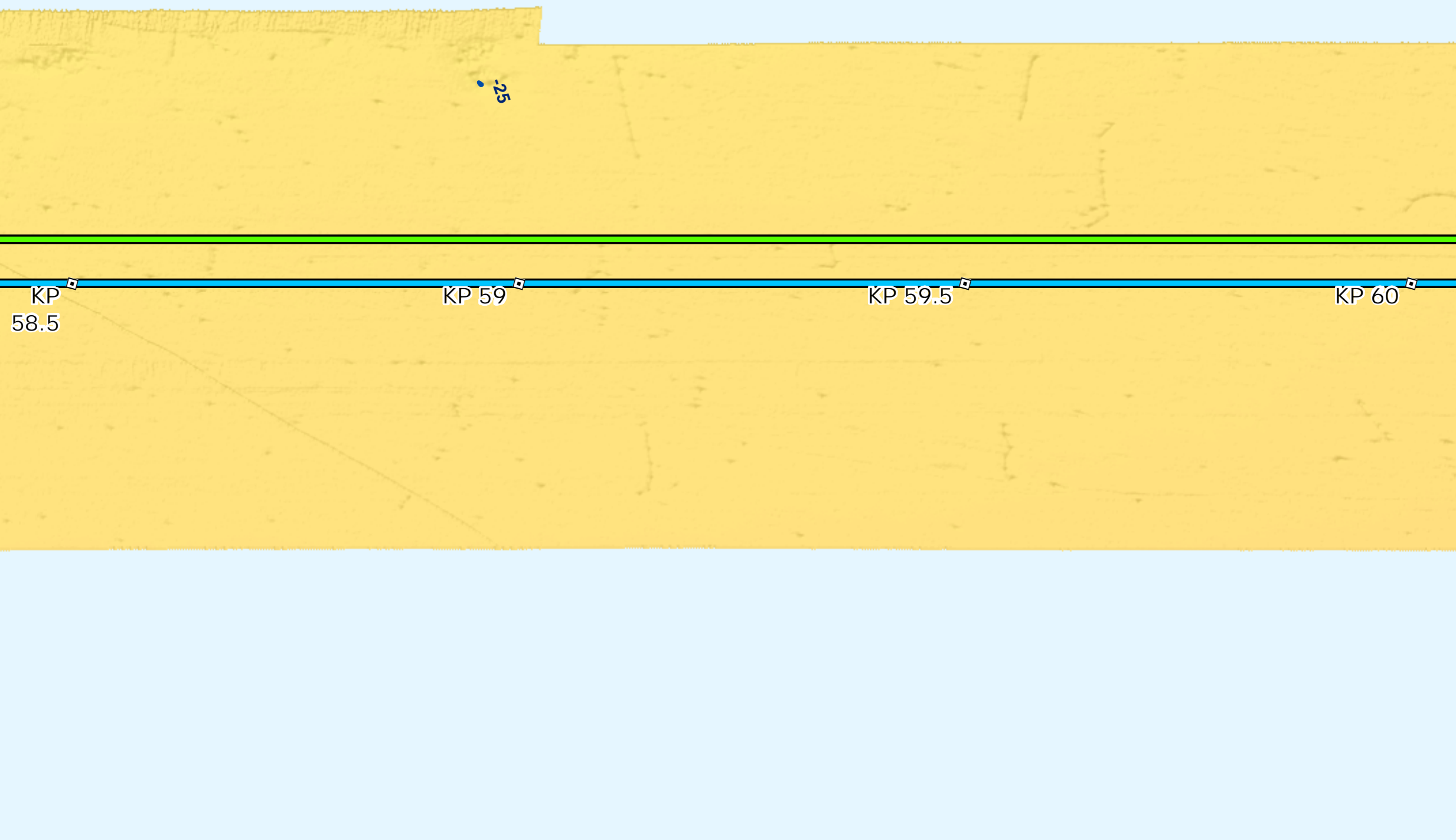
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 43

BW1 (NY) - KP 57 - KP 58.5  
BW2 (NY) - KP 57 - KP 58.5  
BW2 (CT) - N/A



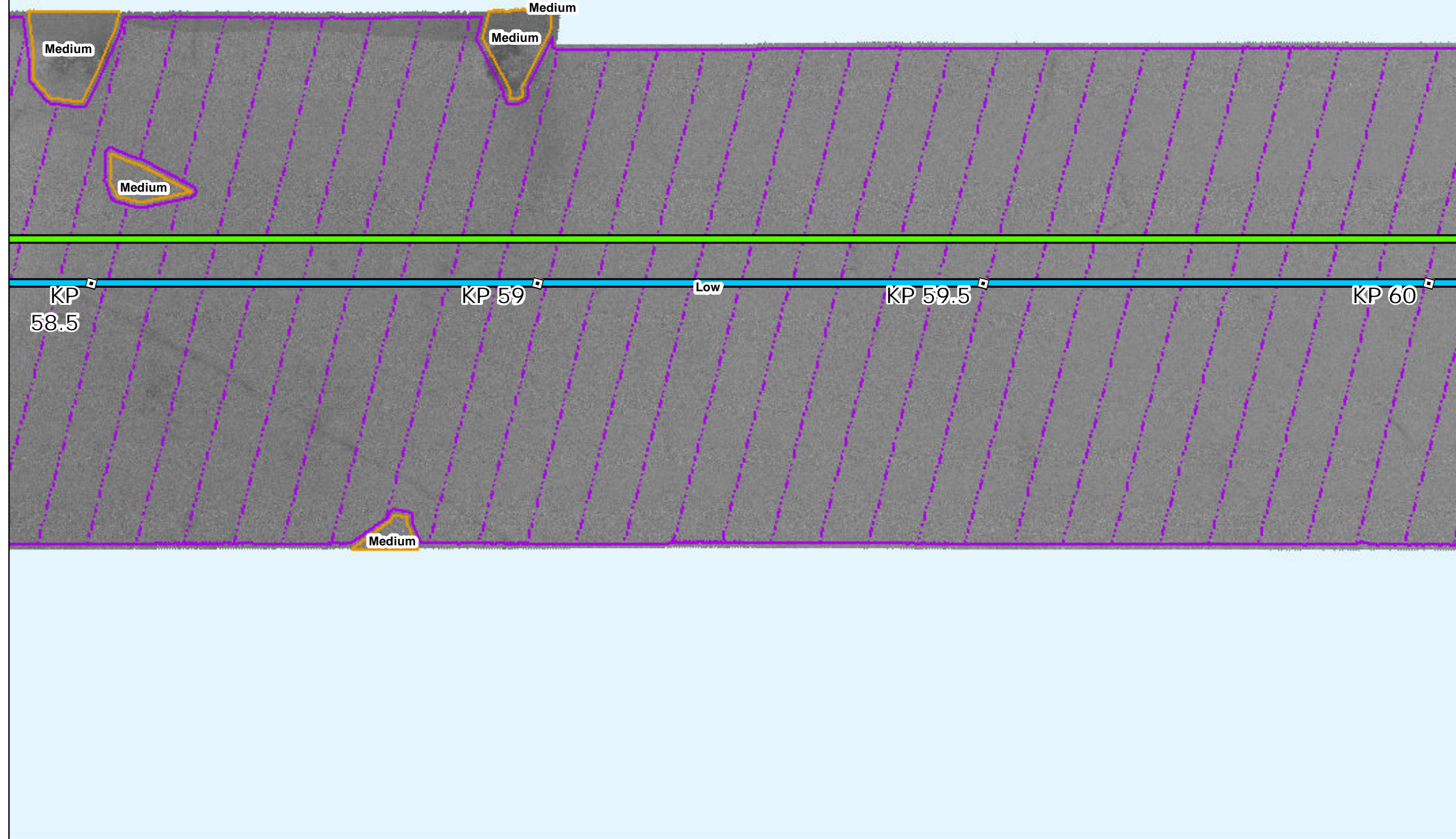
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



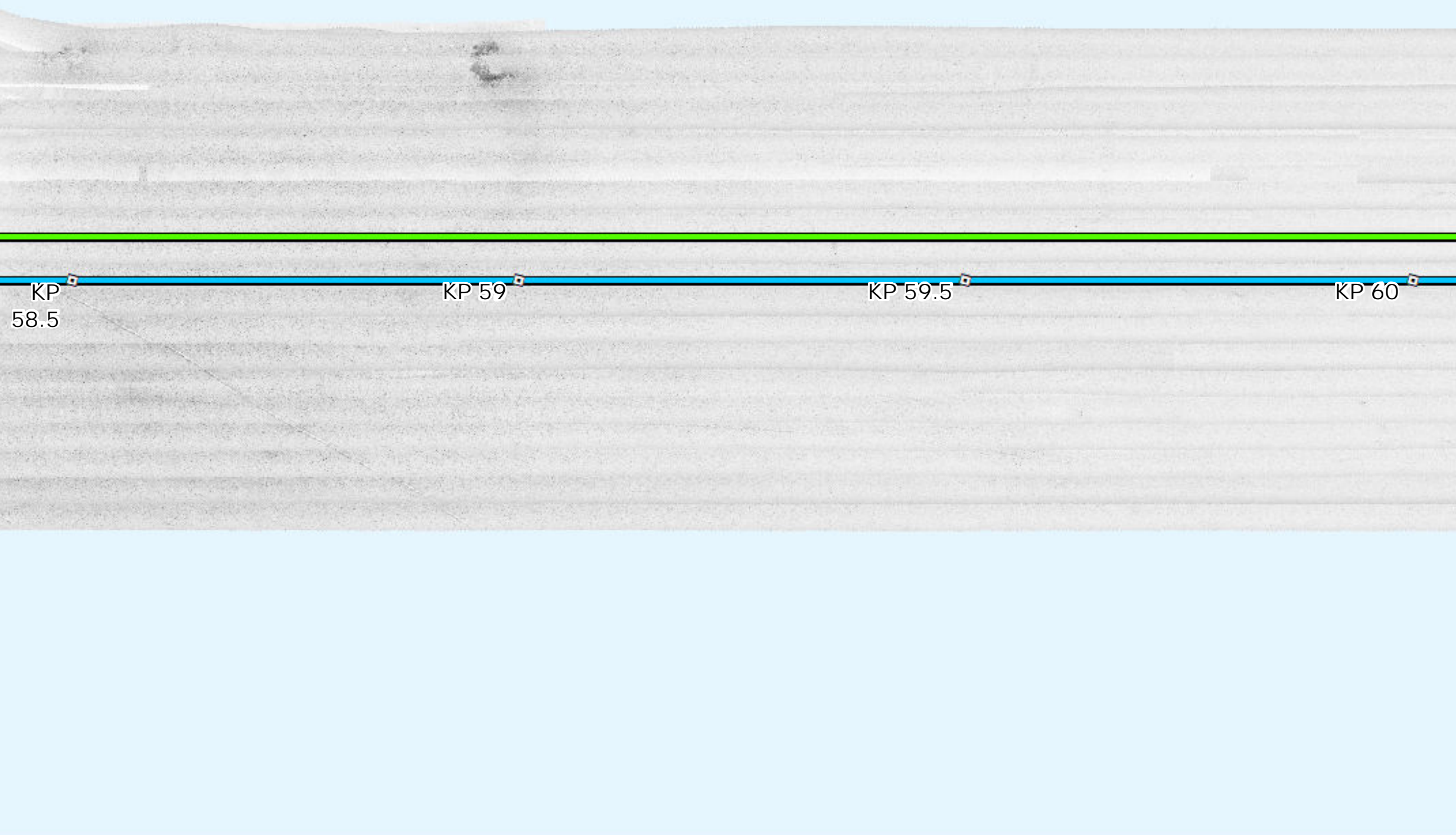
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



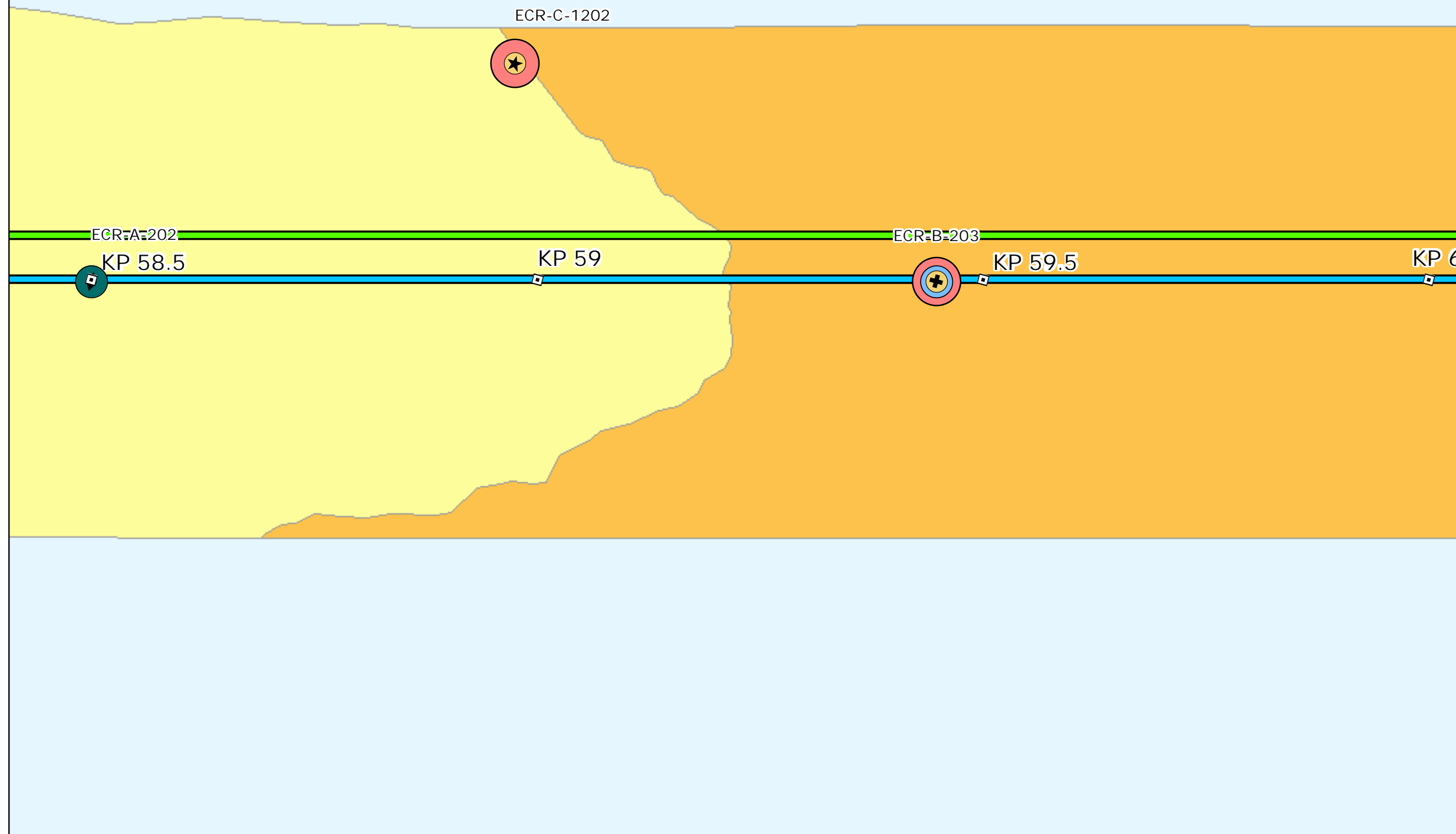
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/ NMFS Habitat Characterization

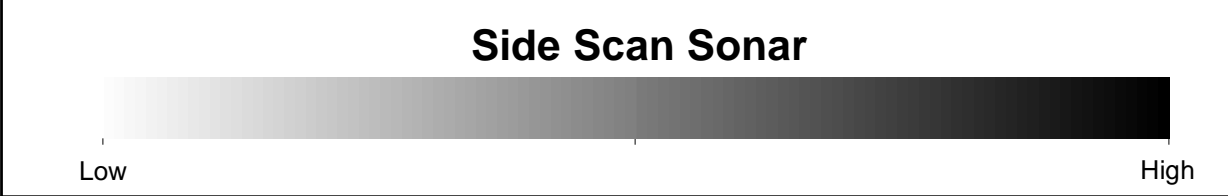
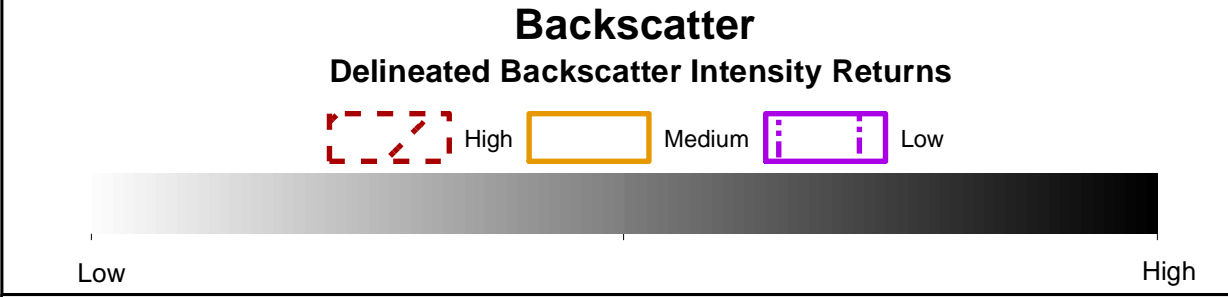
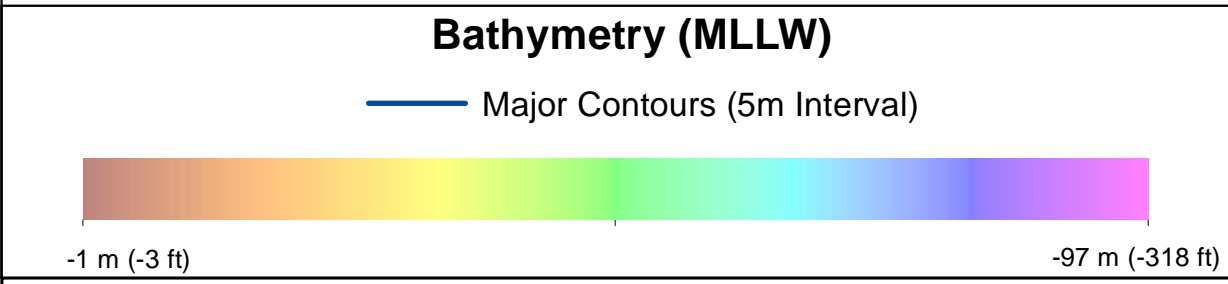
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

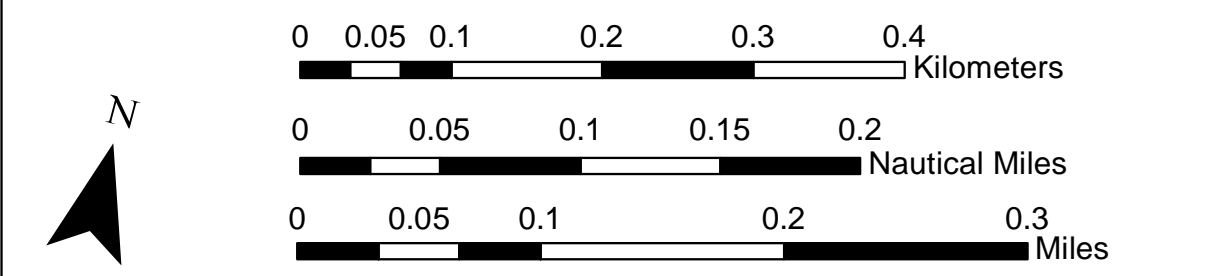
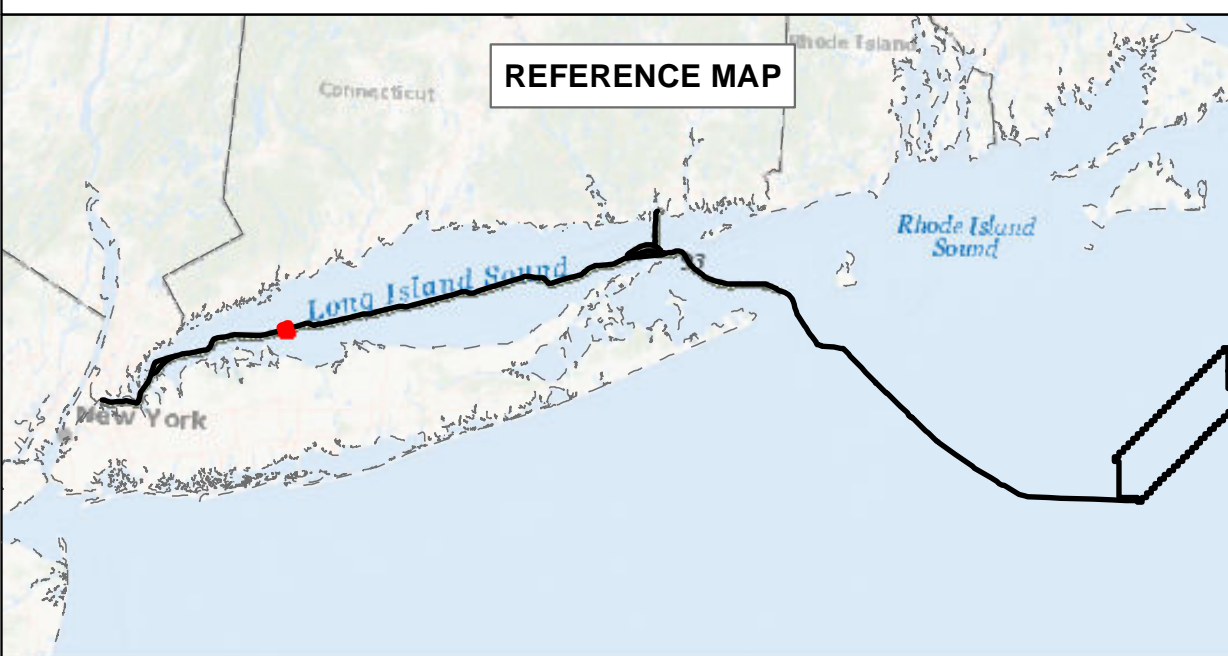


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | Yellow: Mud and Sandy Mud/Soft Bottom Habitat                    |
| ◆ SPI/PV               | Orange: Mixed Sediment/Complex Habitat                           |
| ★ Video                |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geofom</b>    |  |
| ● Burrows/Bioturbation |  |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

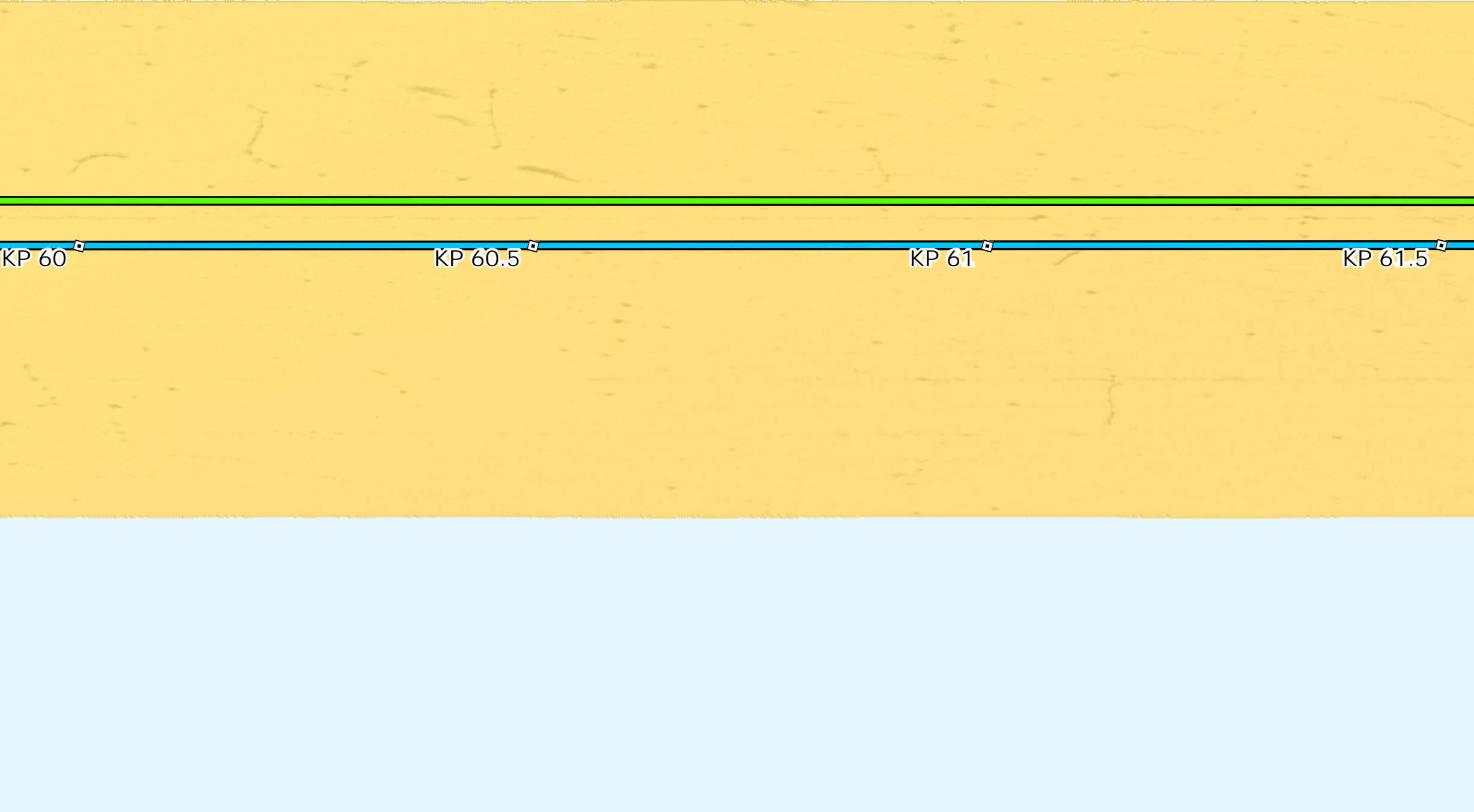
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 44

BW1 (NY) - KP 58.5 - KP 60  
BW2 (NY) - KP 58.5 - KP 60  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



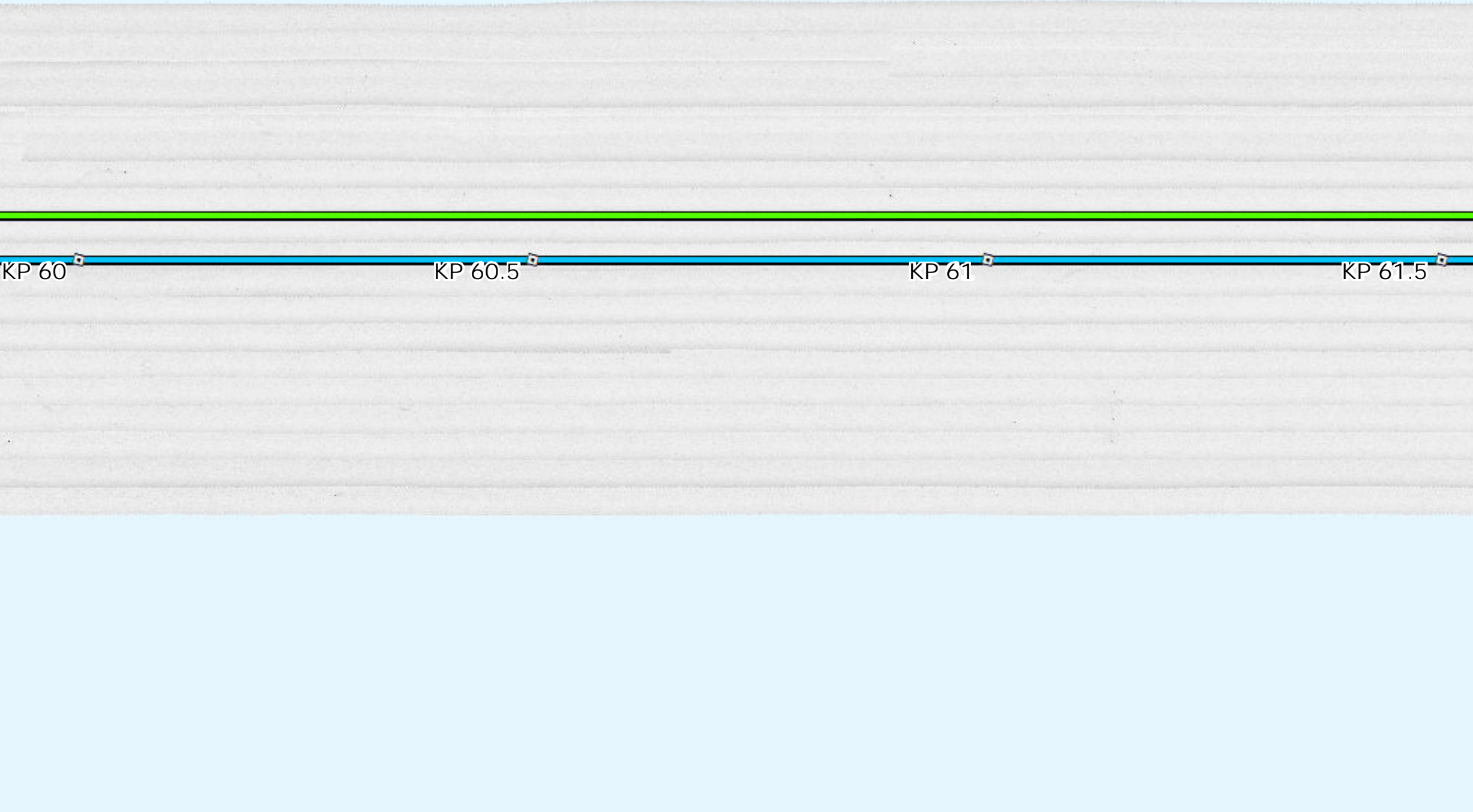
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



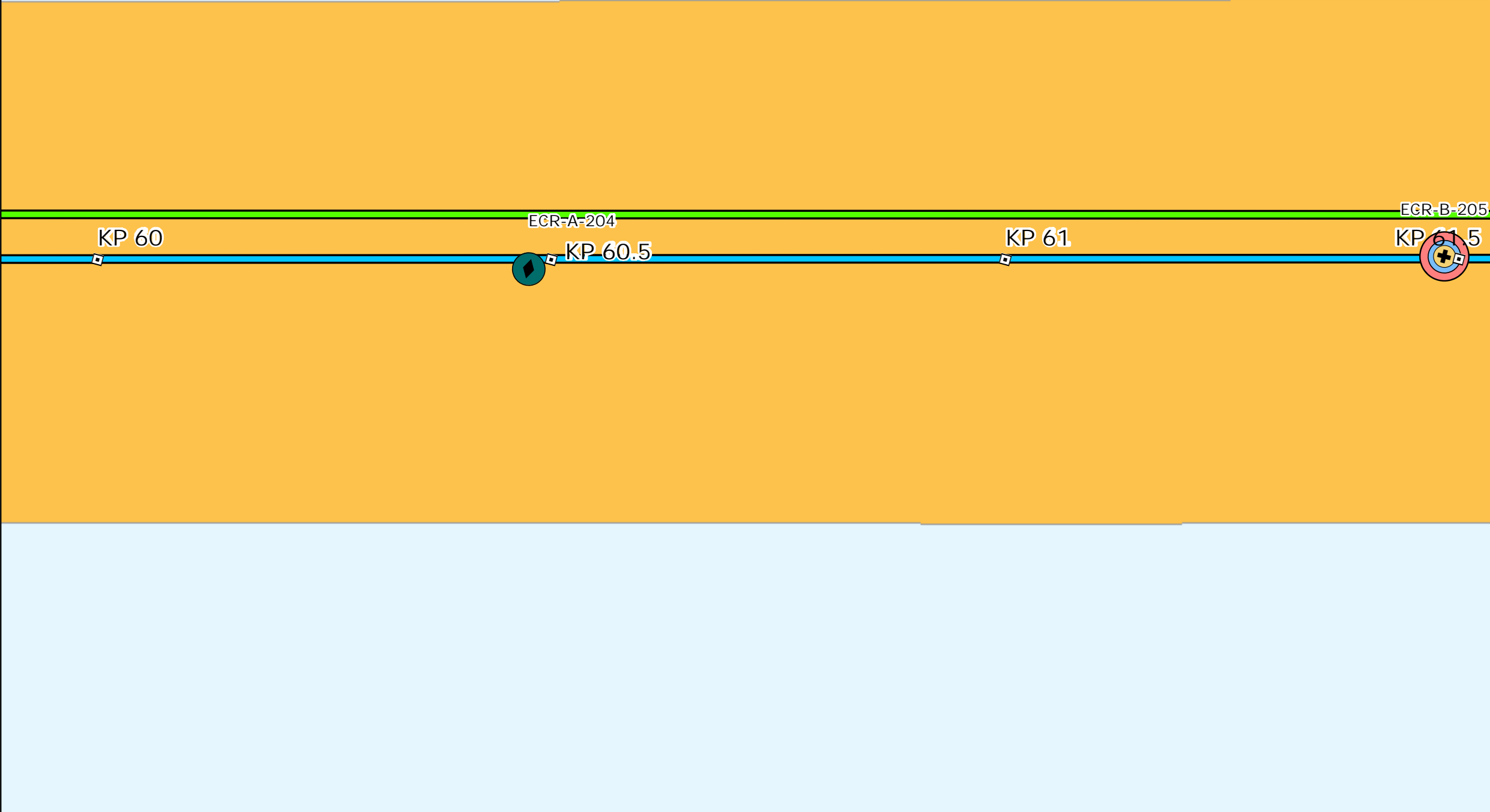
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

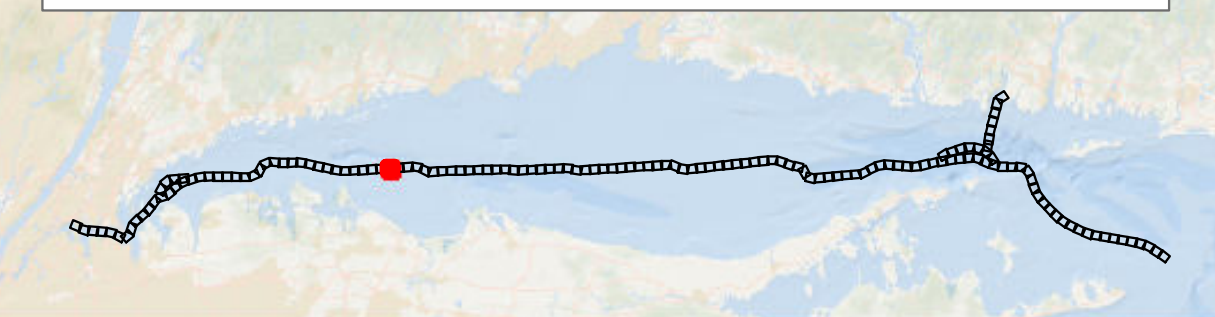


# Interpreted Seabed Sediment/NMFS Habitat Characterization

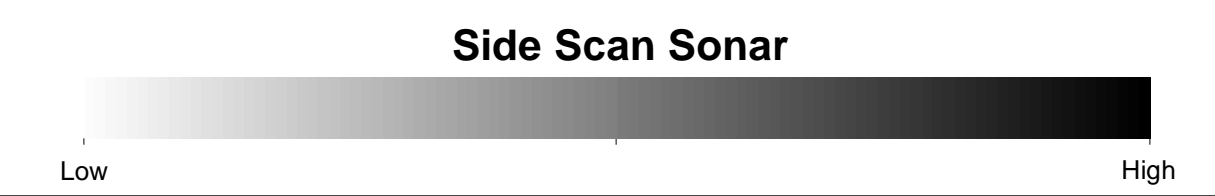
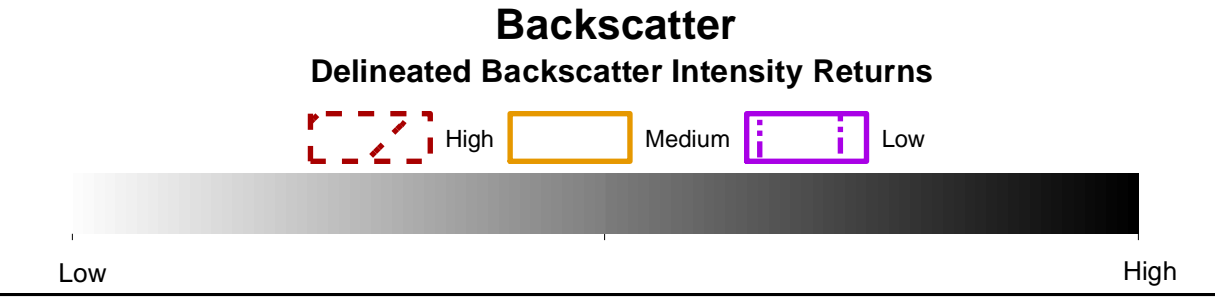
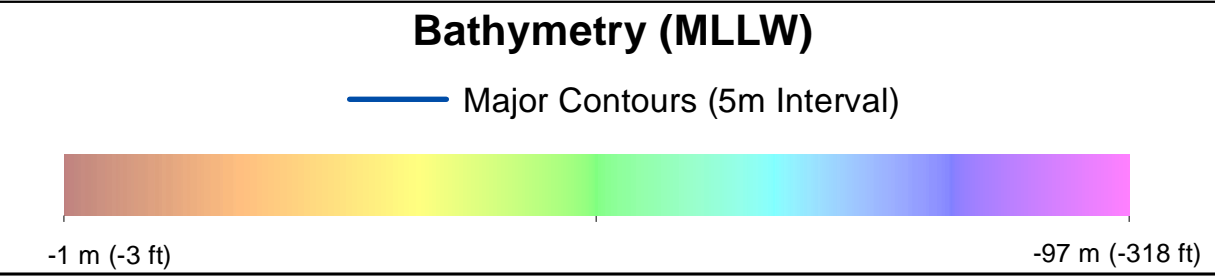
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



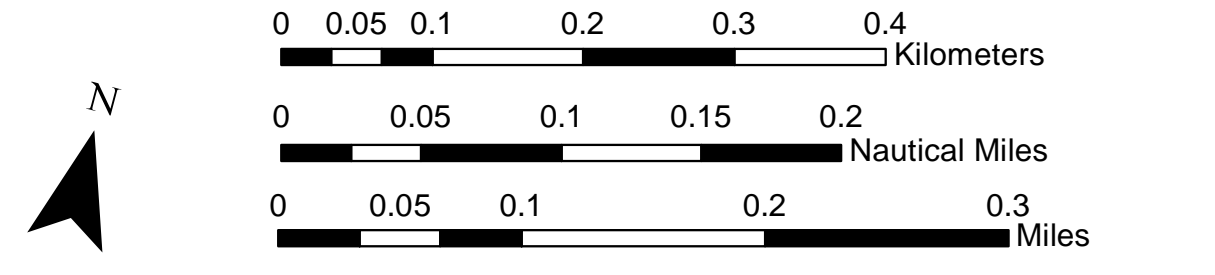
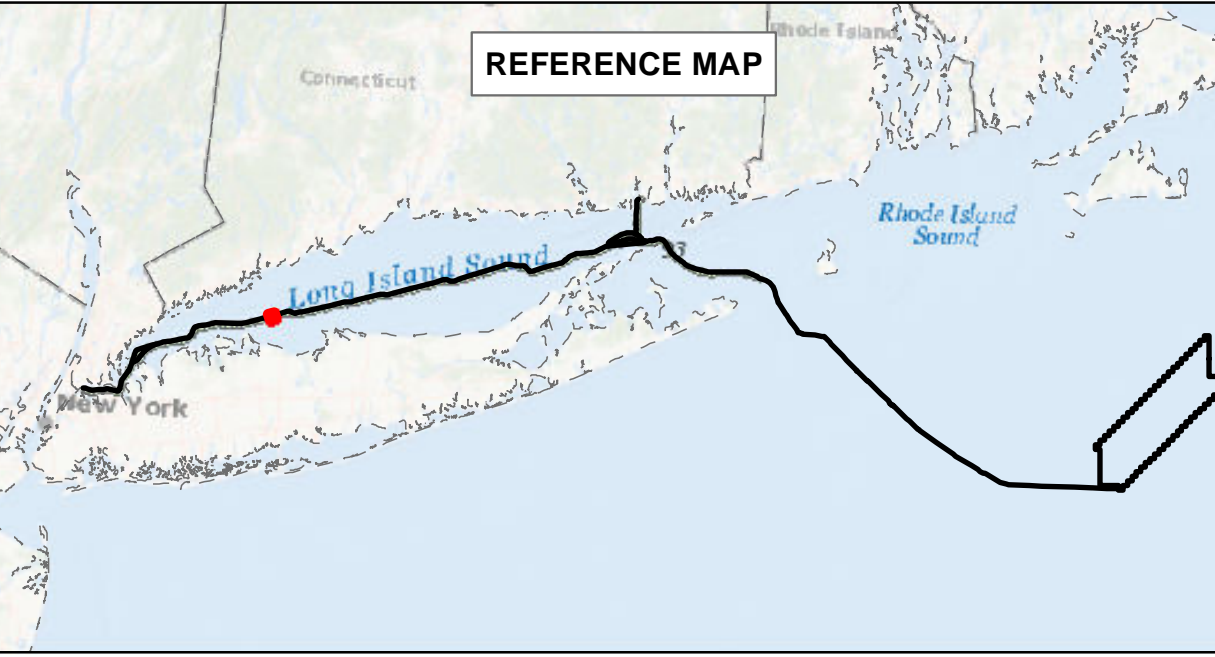
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               |  |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geofom</b>    |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

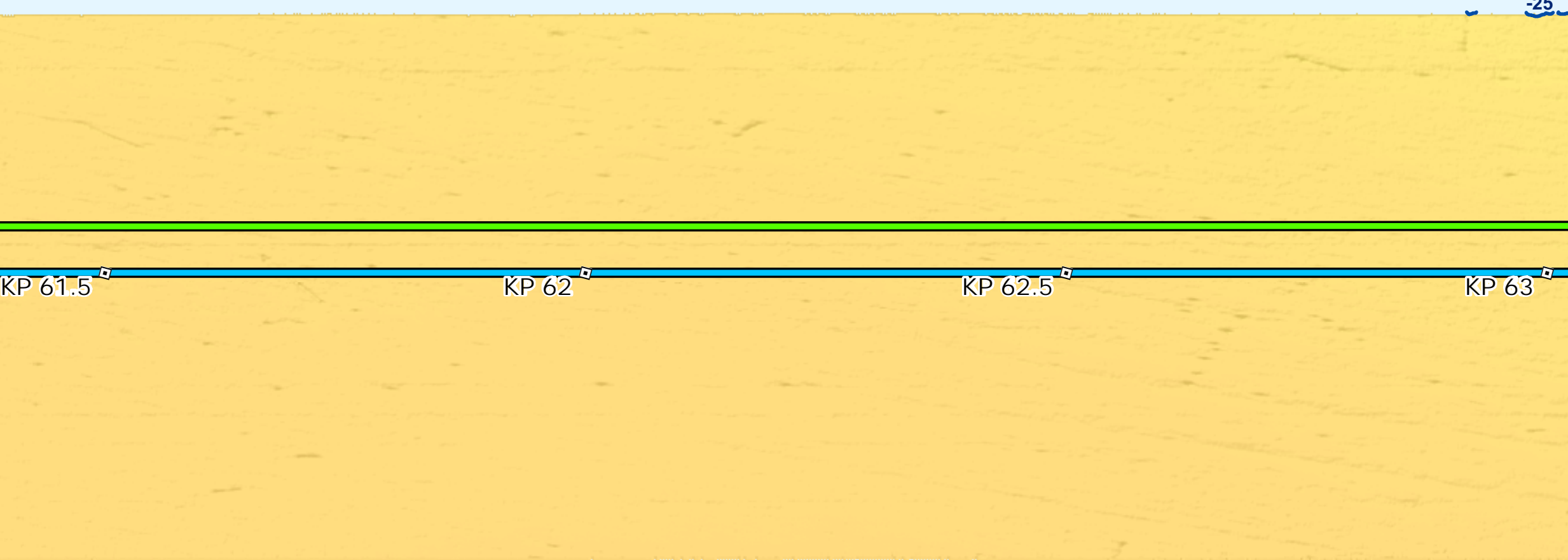
#### Tile 45

BW1 (NY) - KP 60 - KP 61.5  
BW2 (NY) - KP 60 - KP 61.5  
BW2 (CT) - N/A



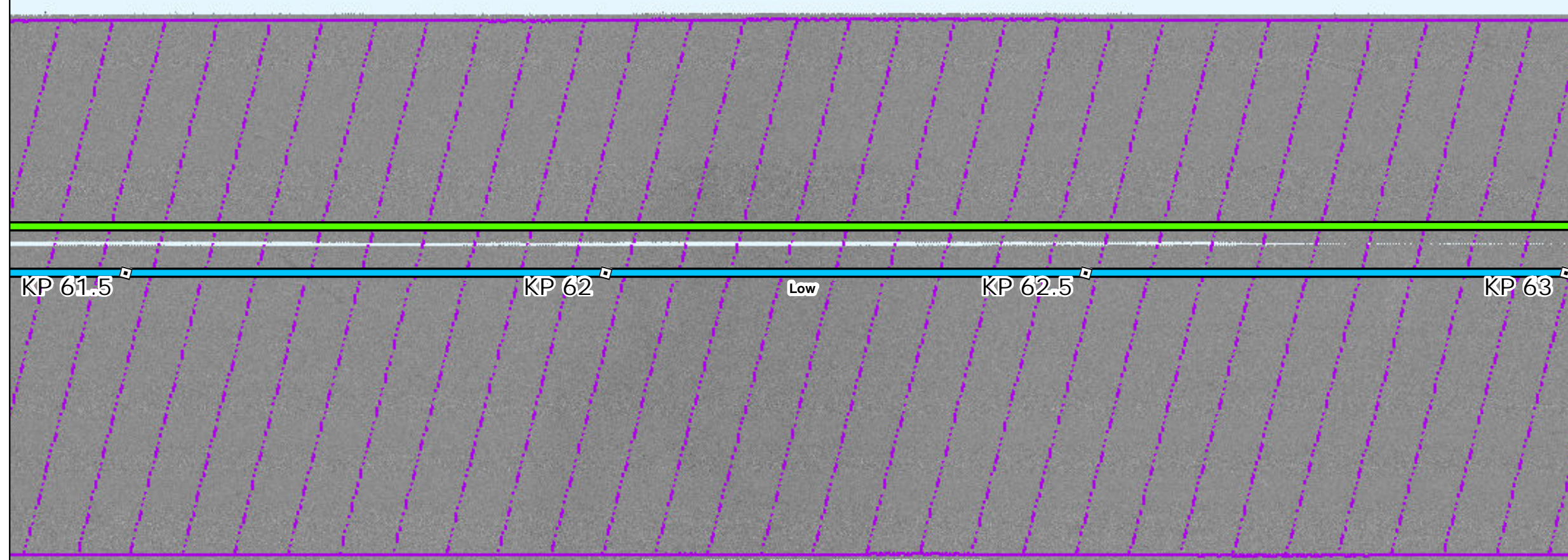
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



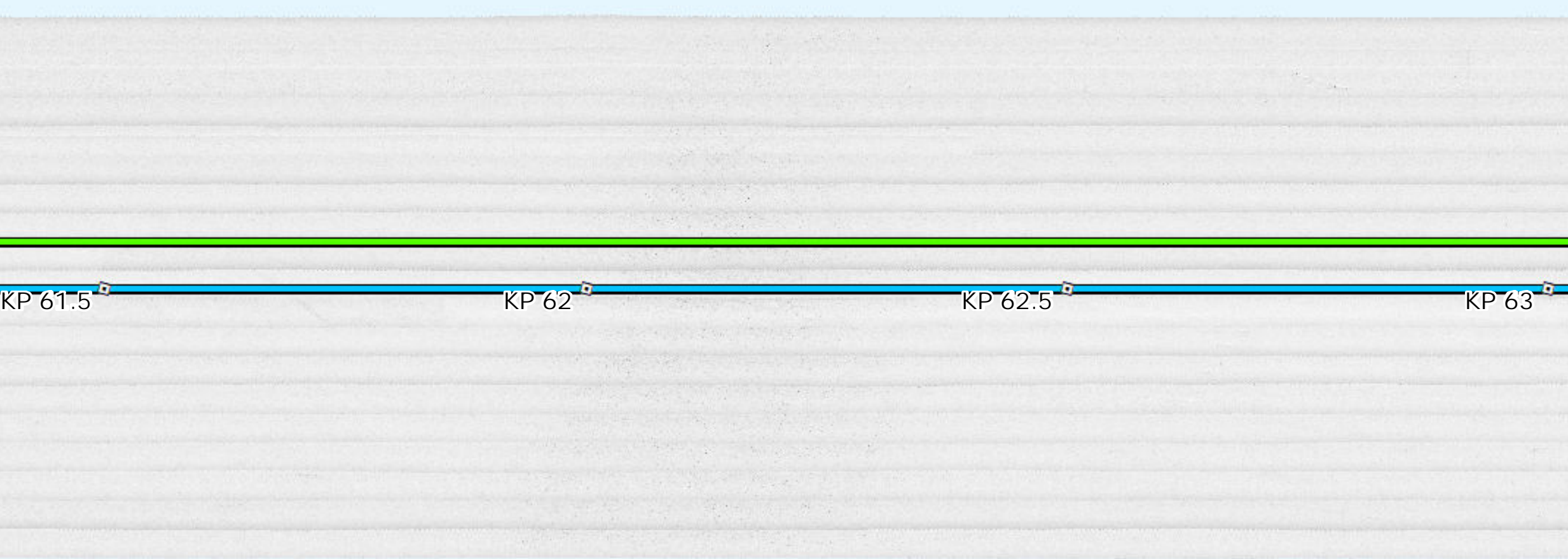
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



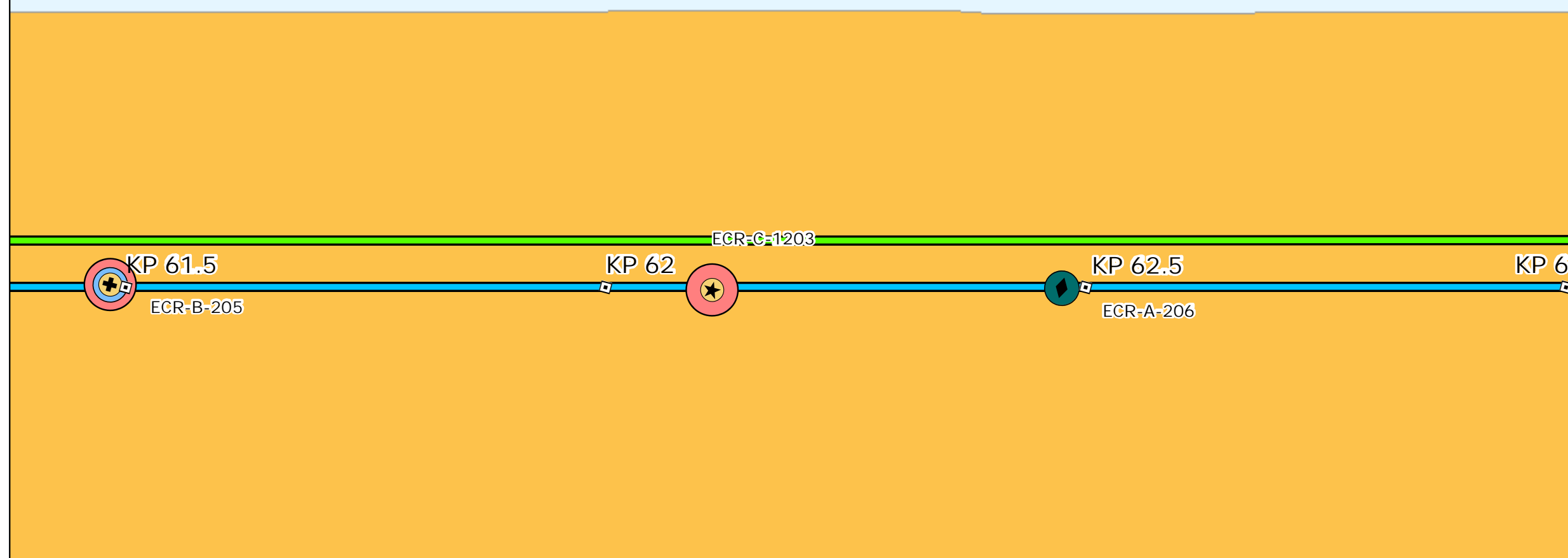
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

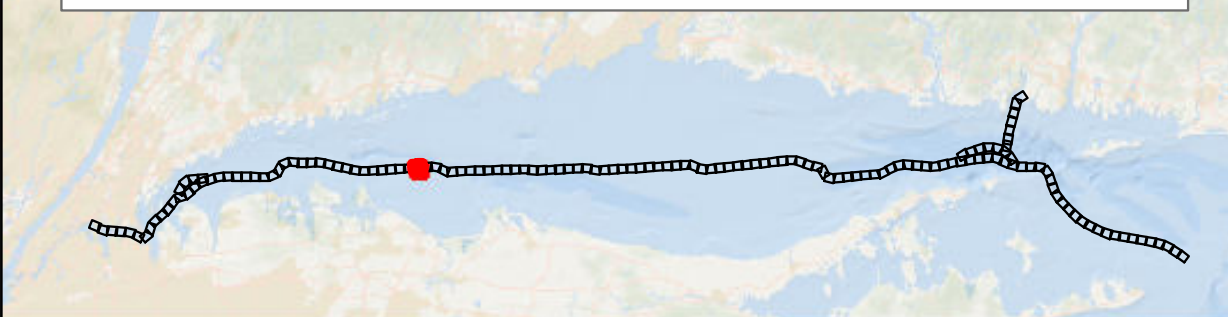


# Interpreted Seabed Sediment/NMFS Habitat Characterization

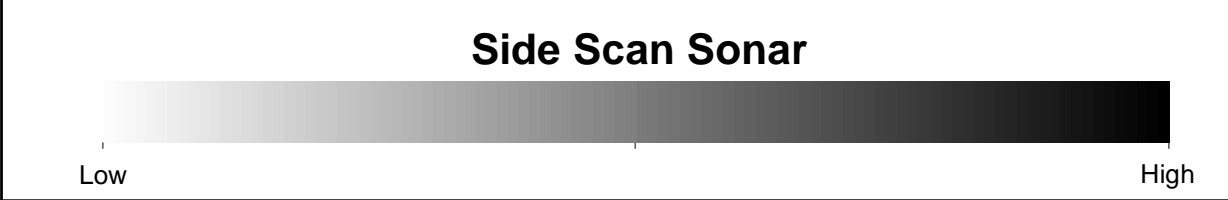
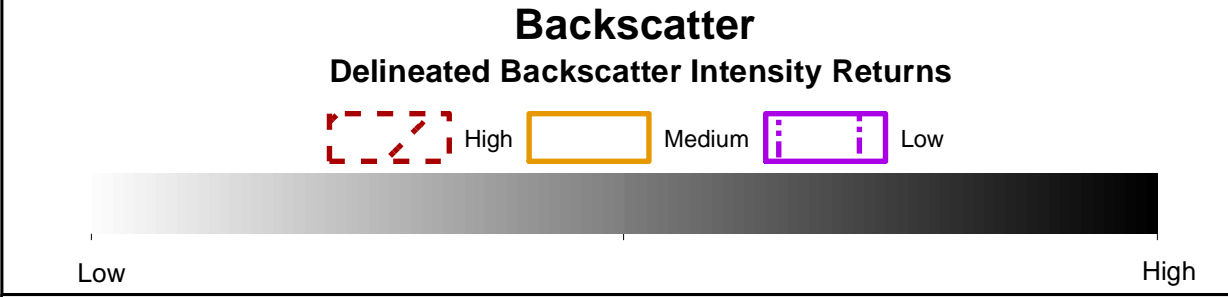
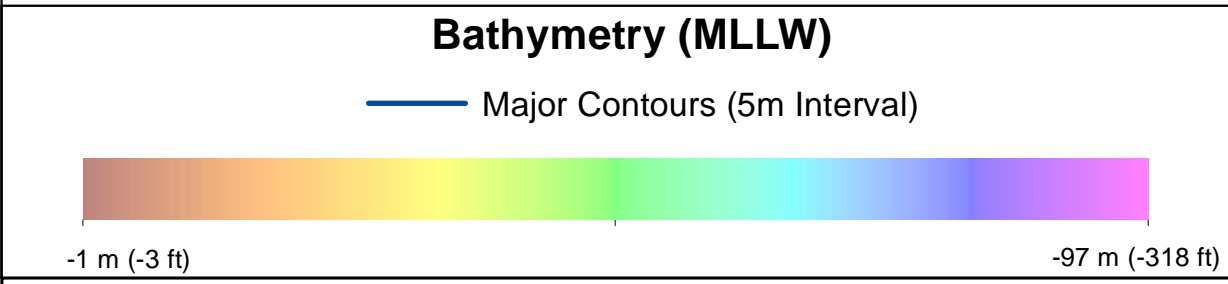
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



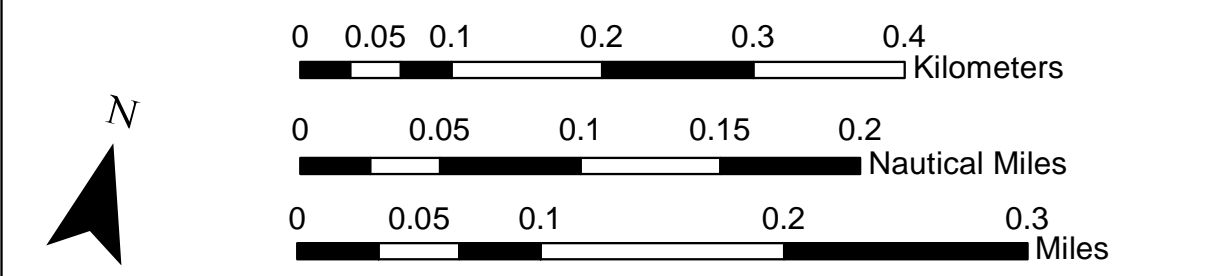
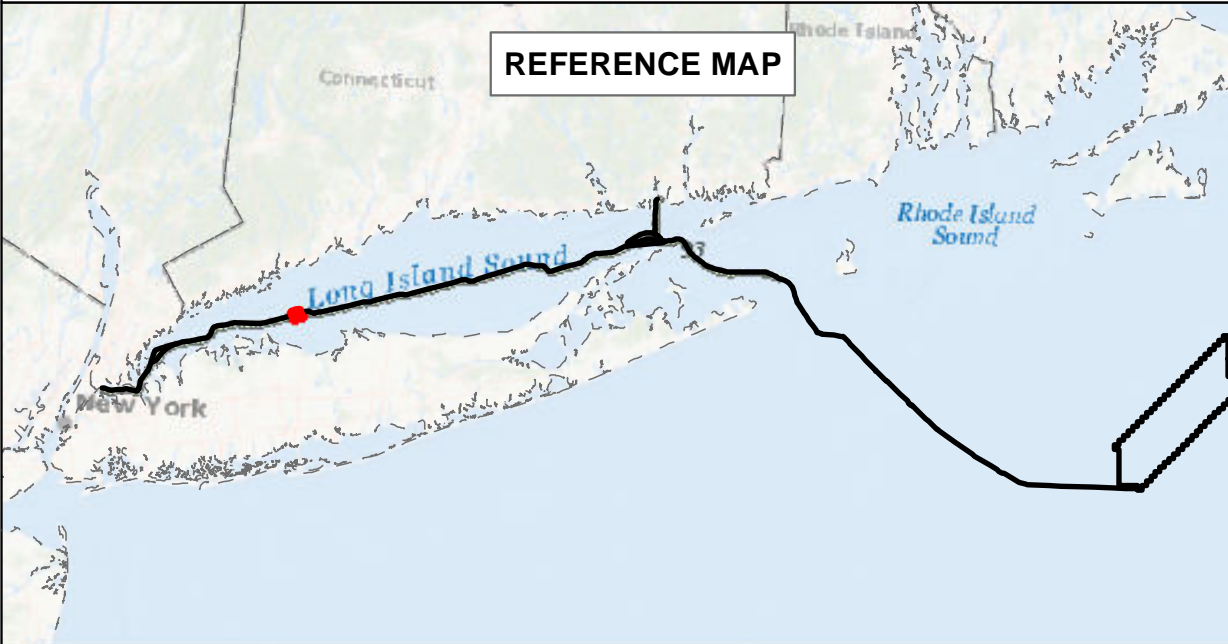
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |  |
|--|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>Mixed Sediment/Complex Habitat |
| <b>CMECS Biotic</b><br>● Soft Sediment Fauna                   |  |
| <b>CMECS Substrate</b><br>● Gravelly Mud<br>● Sandy Mud        |  |
| <b>CMECS Geofom</b><br>● Burrows/Bioturbation                  |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

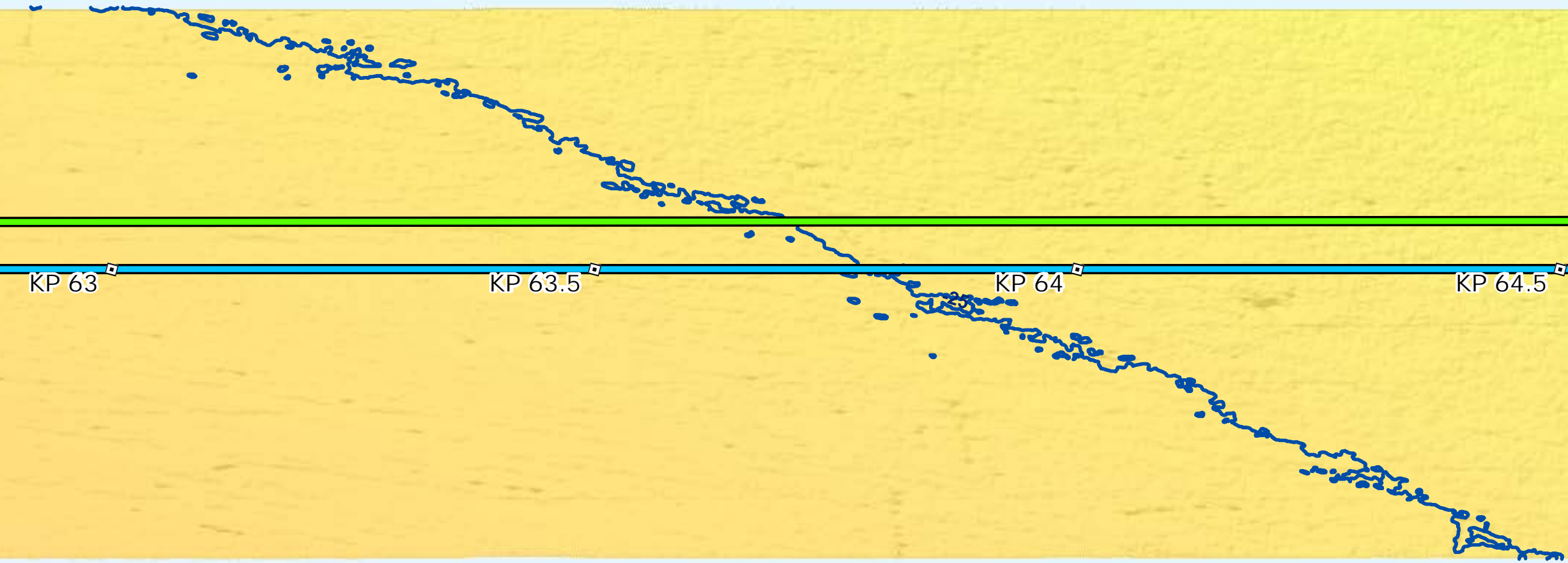
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 46

BW1 (NY) - KP 61.5 - KP 63  
 BW2 (NY) - KP 61.5 - KP 63  
 BW2 (CT) - N/A



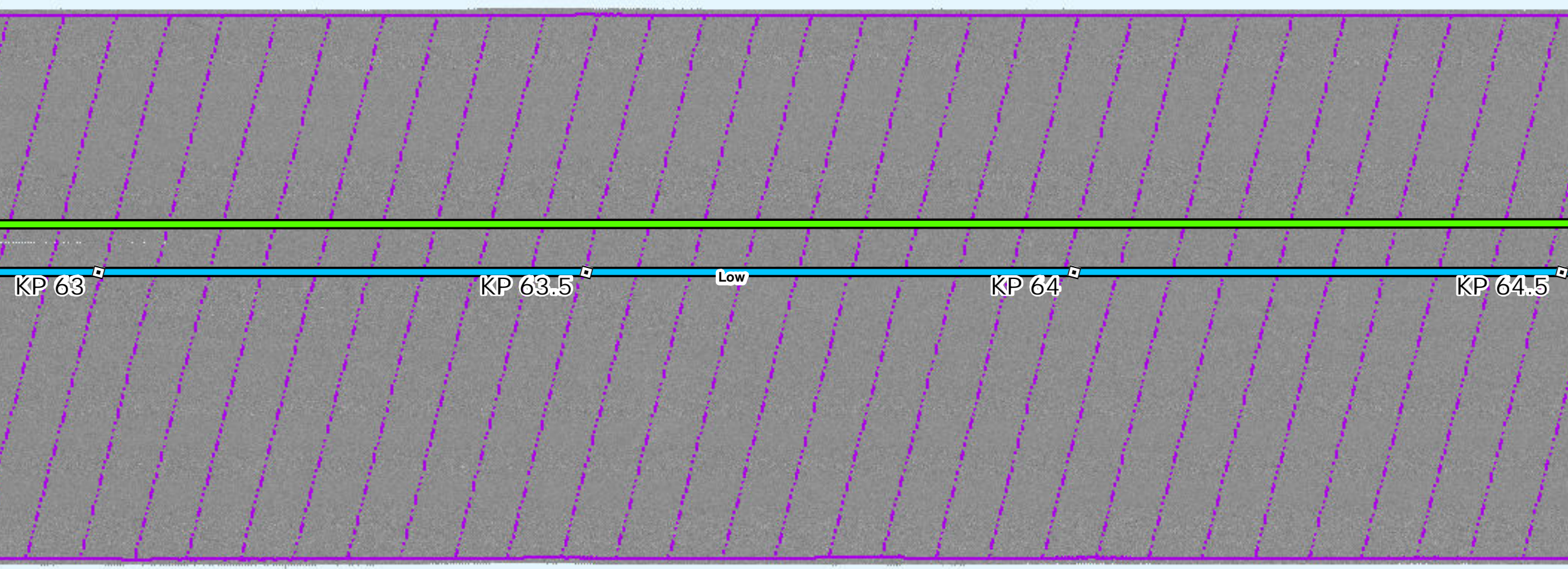
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



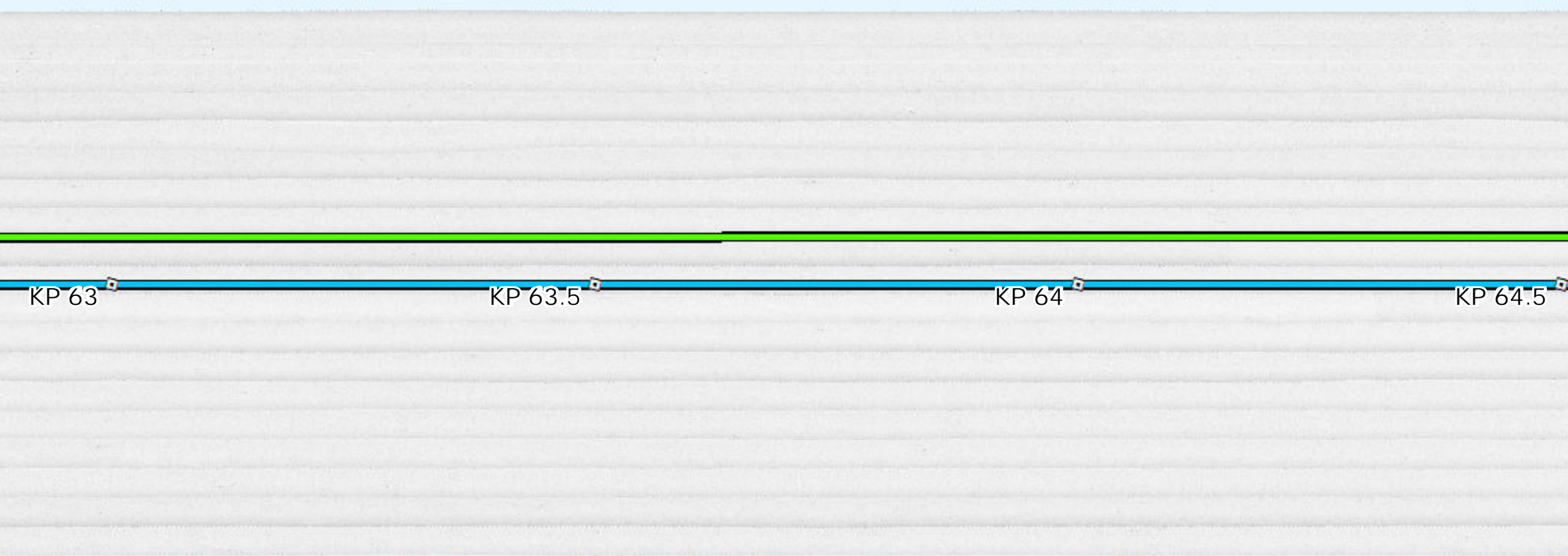
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



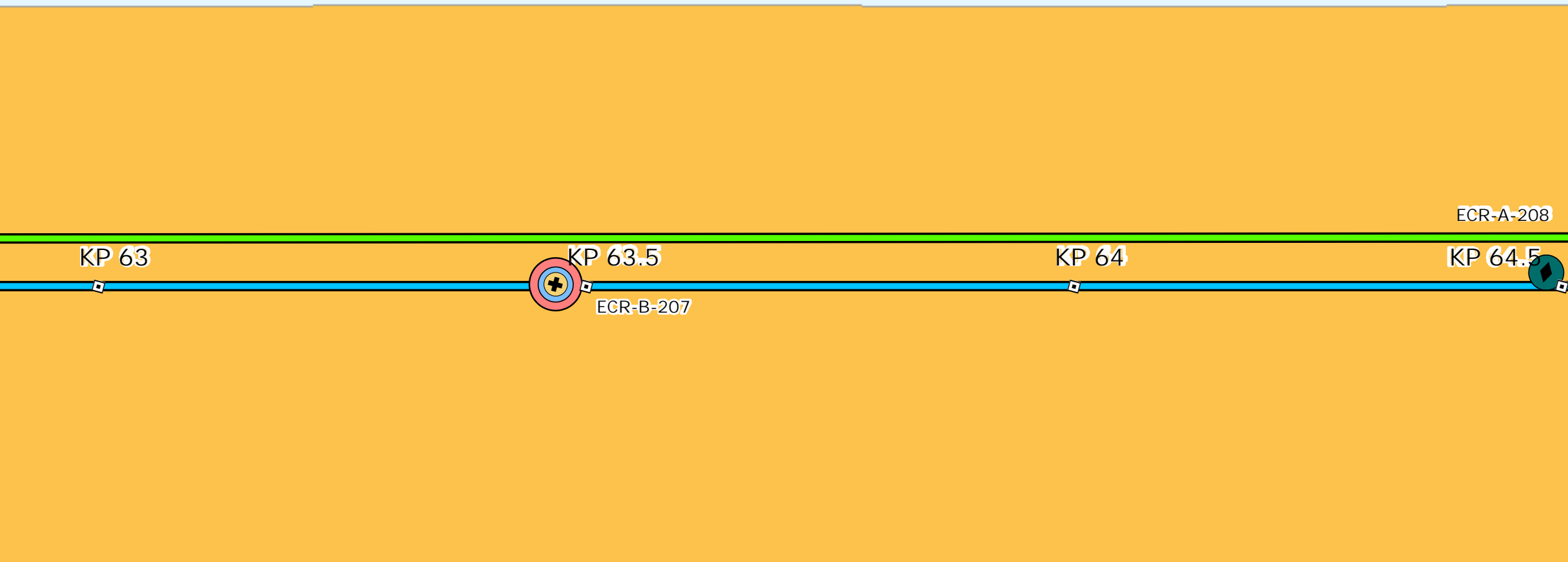
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

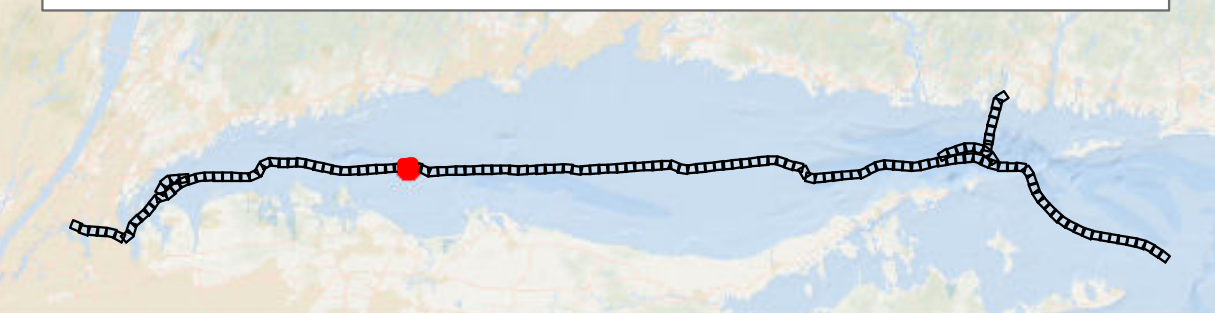


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

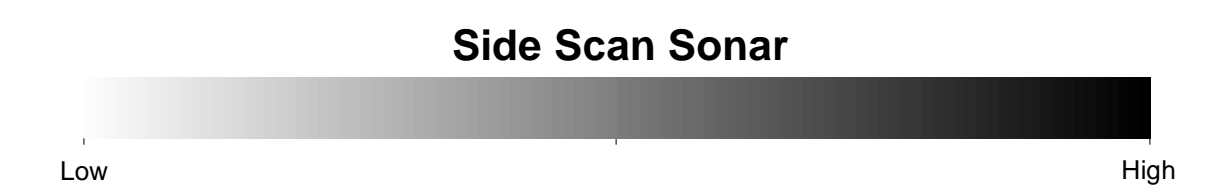
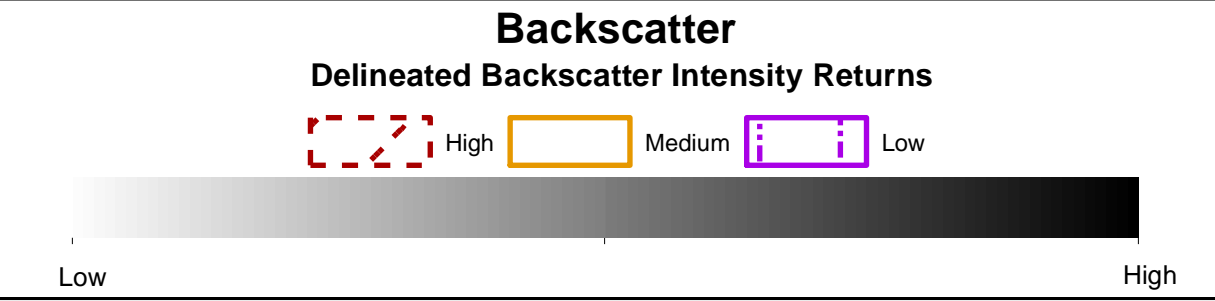
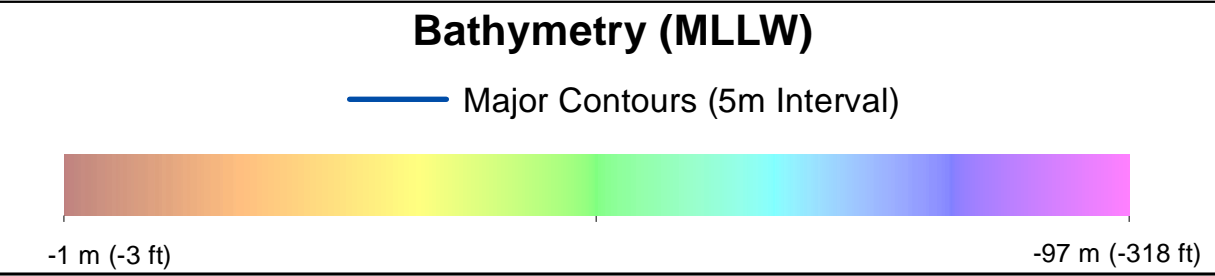
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



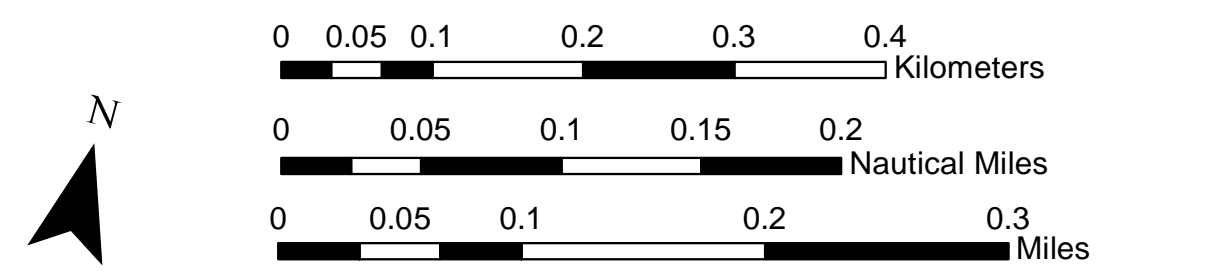
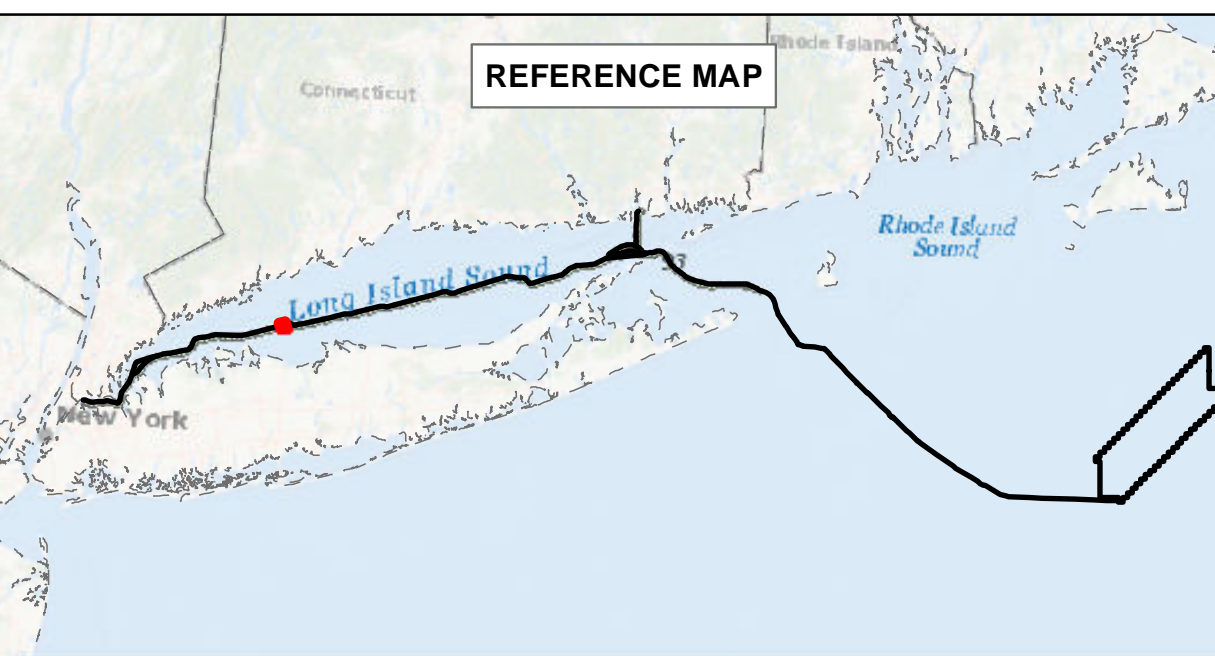
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               |  |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geoform</b>   |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

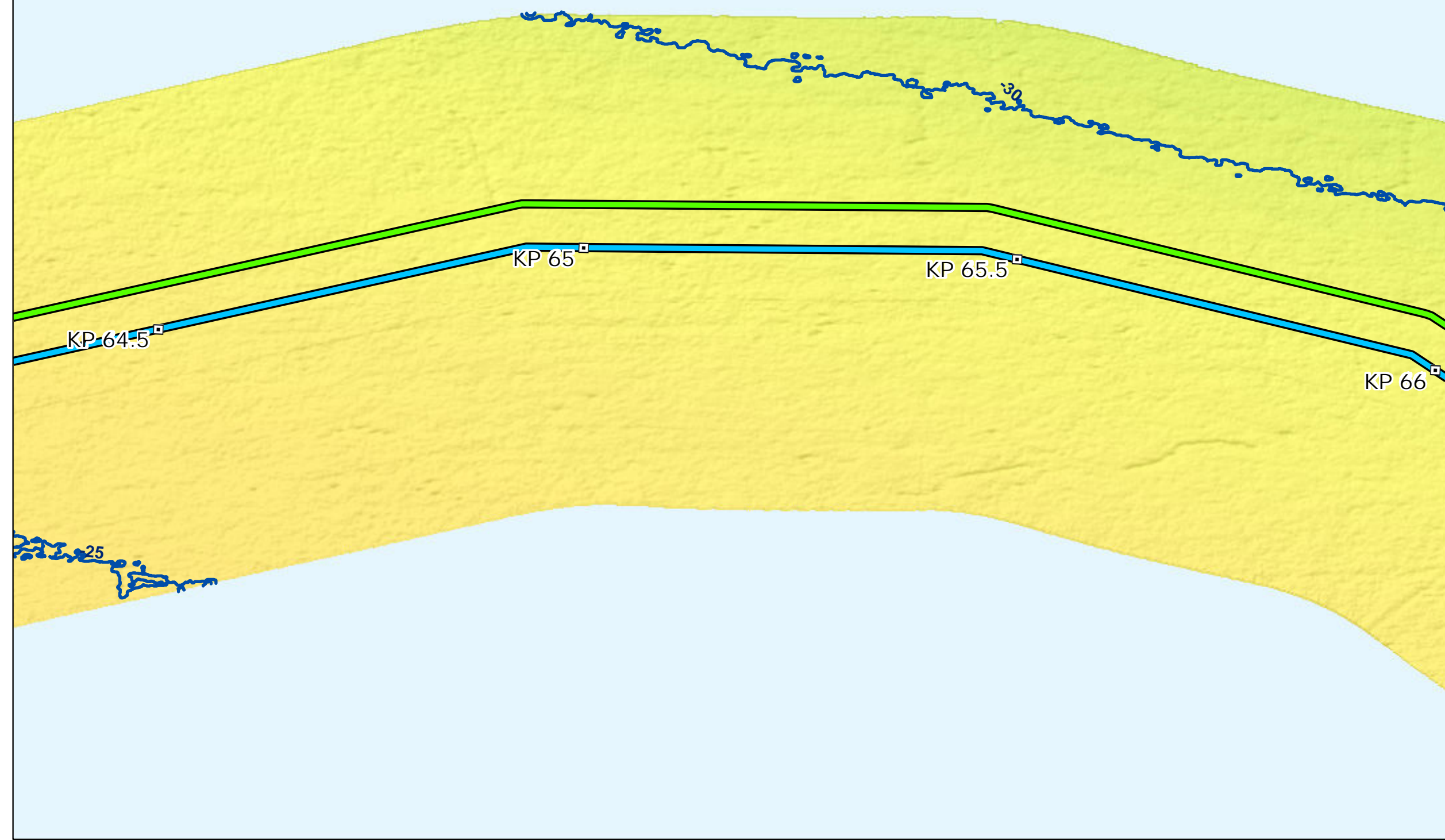
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 47

BW1 (NY) - KP 63 - KP 64.5  
BW2 (NY) - KP 63 - KP 64.5  
BW2 (CT) - N/A



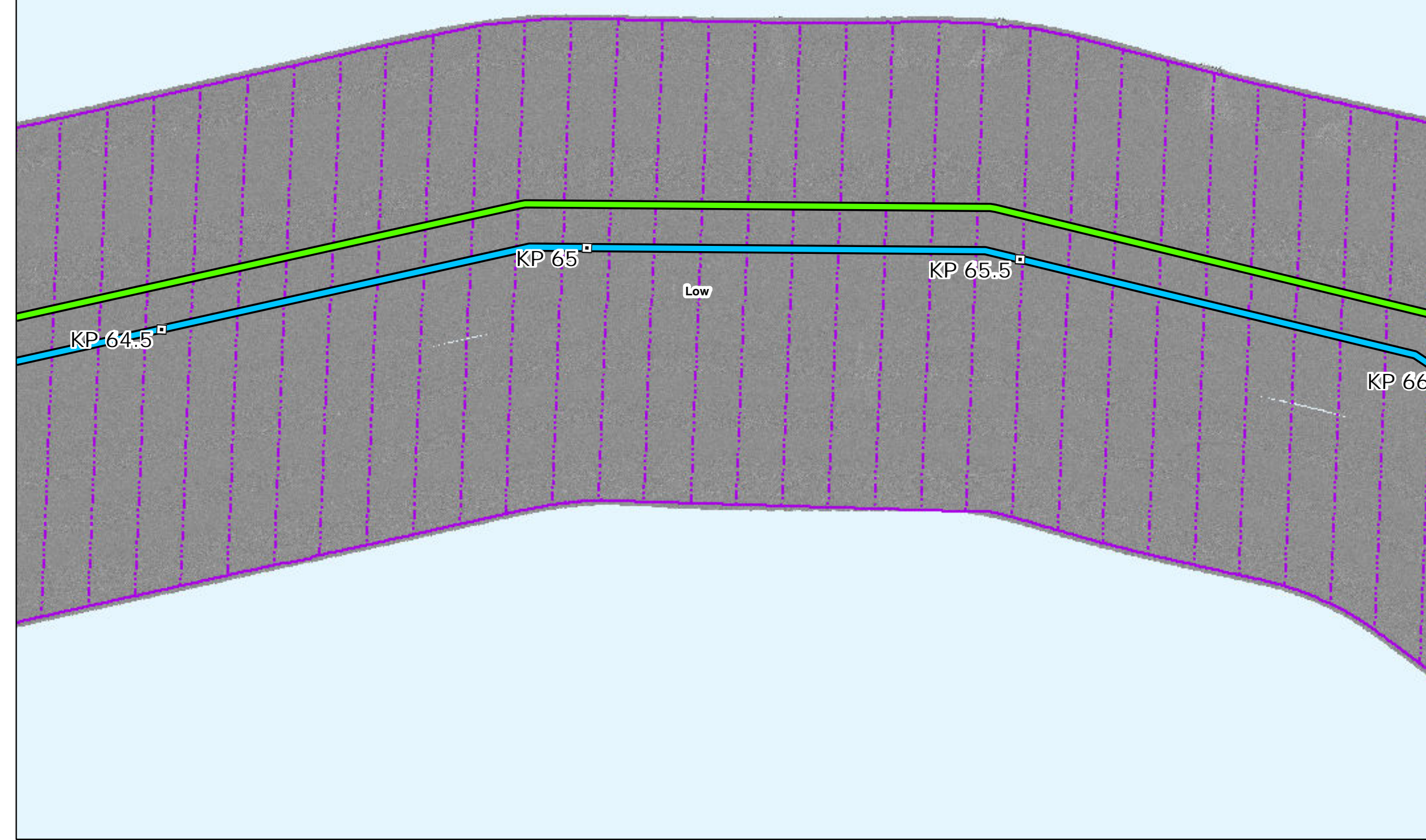
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



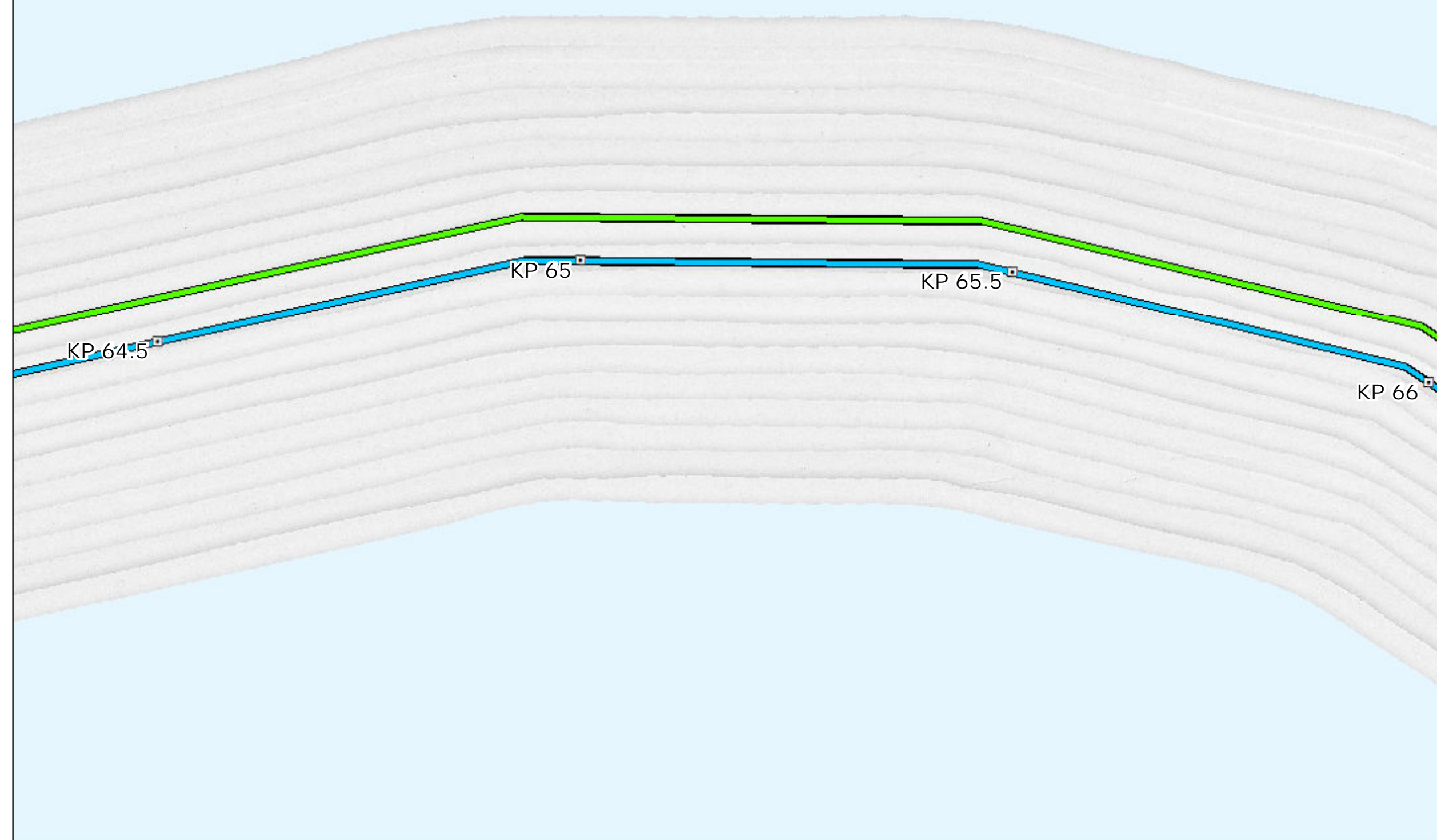
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



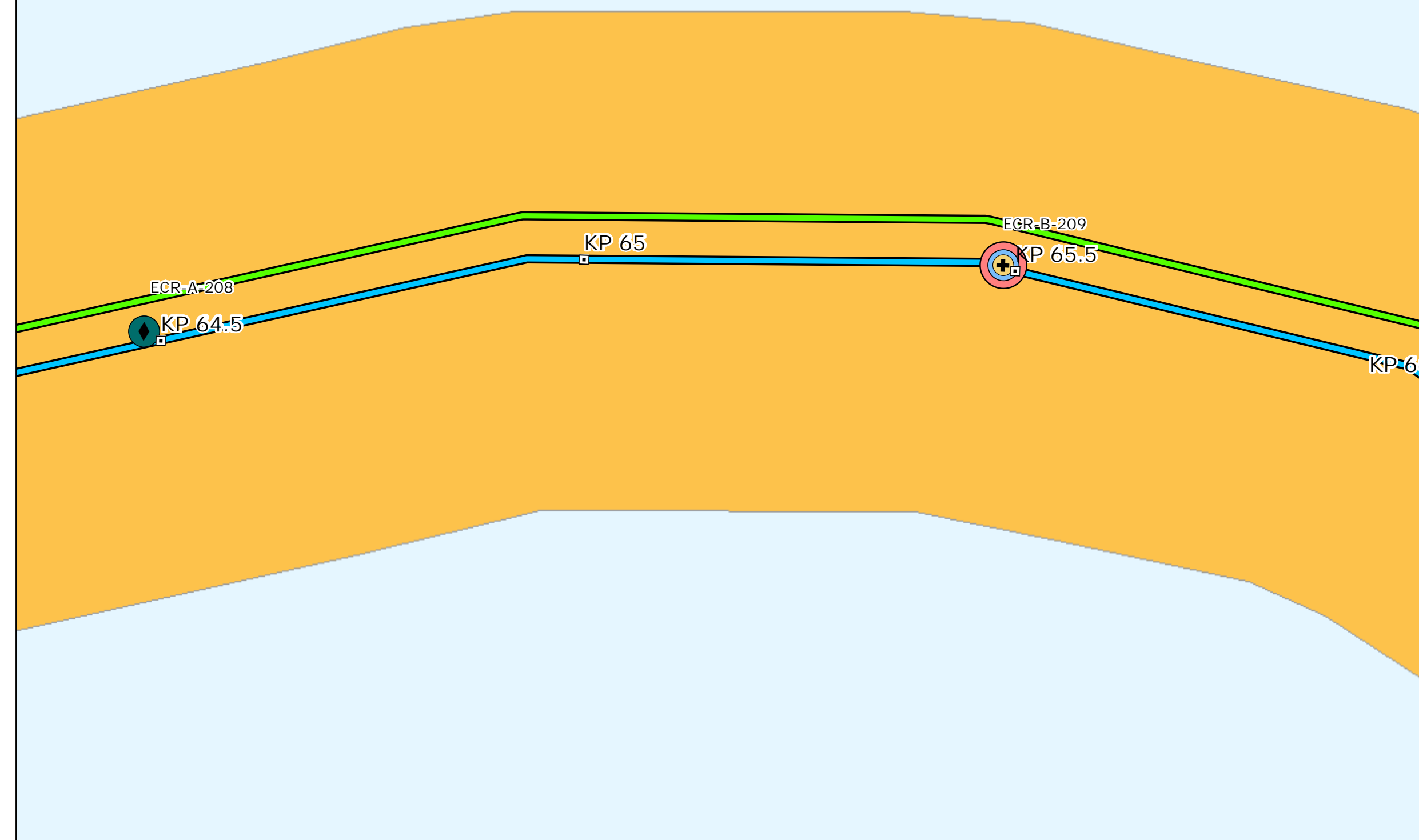
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

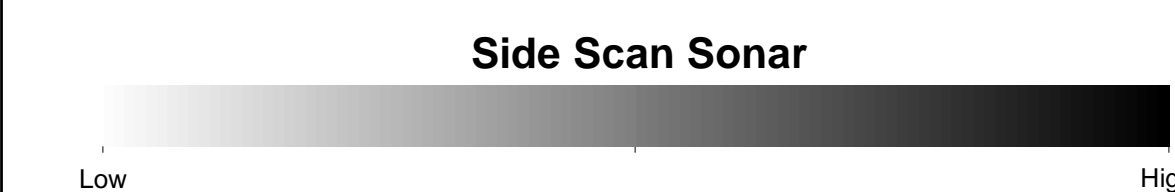
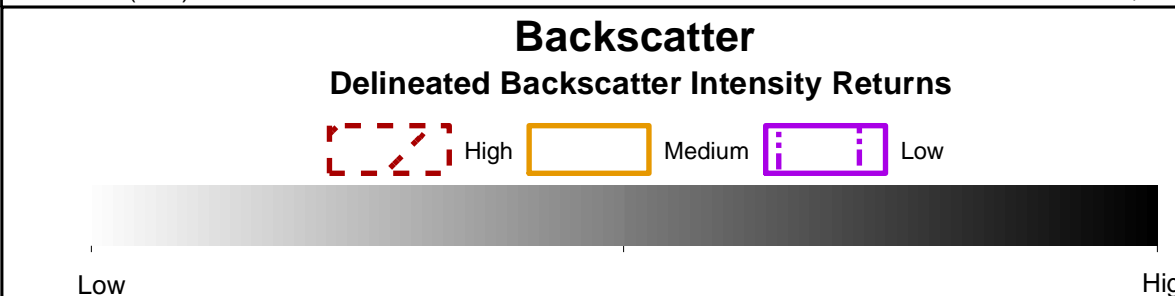
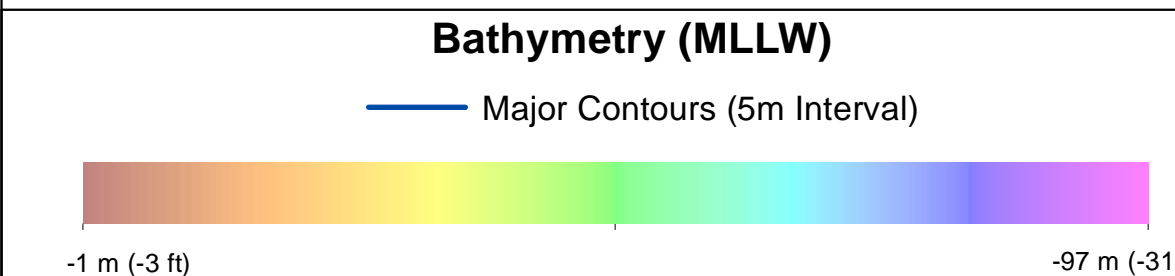
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



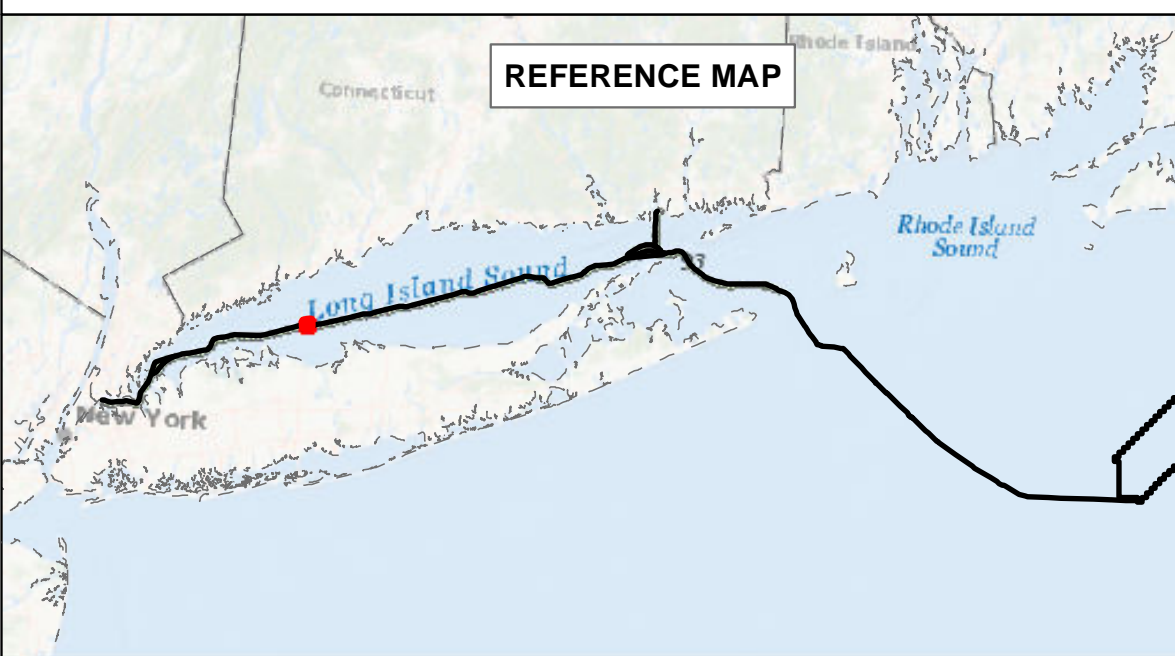
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                     |  |
|---------------------|--|
| <b>Station Type</b> | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video    | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV            | ■ Gravelly Mud   |
| ● CMECS Biotic      | ● Soft Sediment Fauna  |
| ● CMECS Substrate   | ● Gravelly Mud   |
| ● CMECS Geoform     | ● Sandy Mud  |
|                     | ● Burrows/Bioturbation   |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

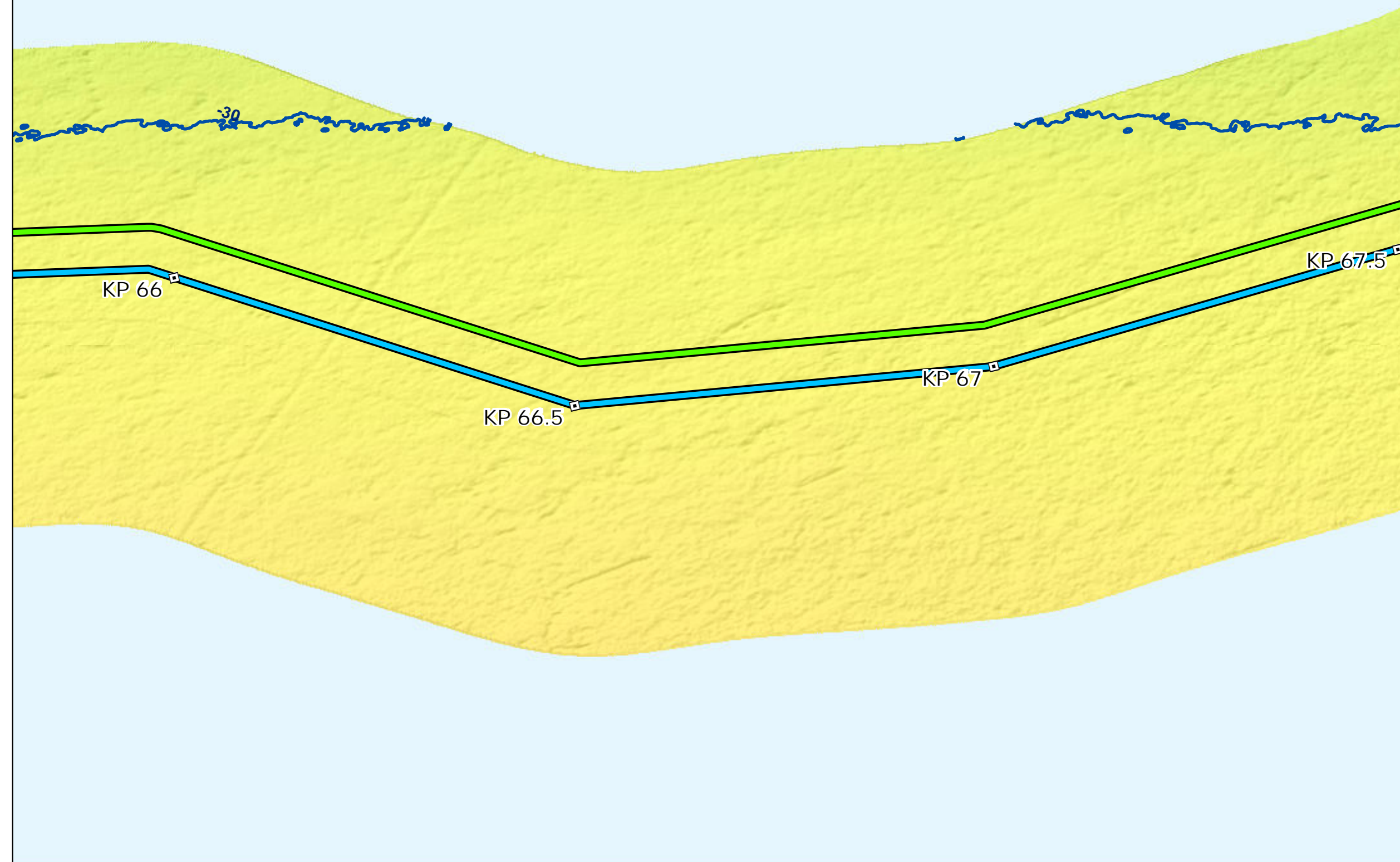
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 48

BW1 (NY) - KP 64.5 - KP 66  
BW2 (NY) - KP 64.5 - KP 66  
BW2 (CT) - N/A



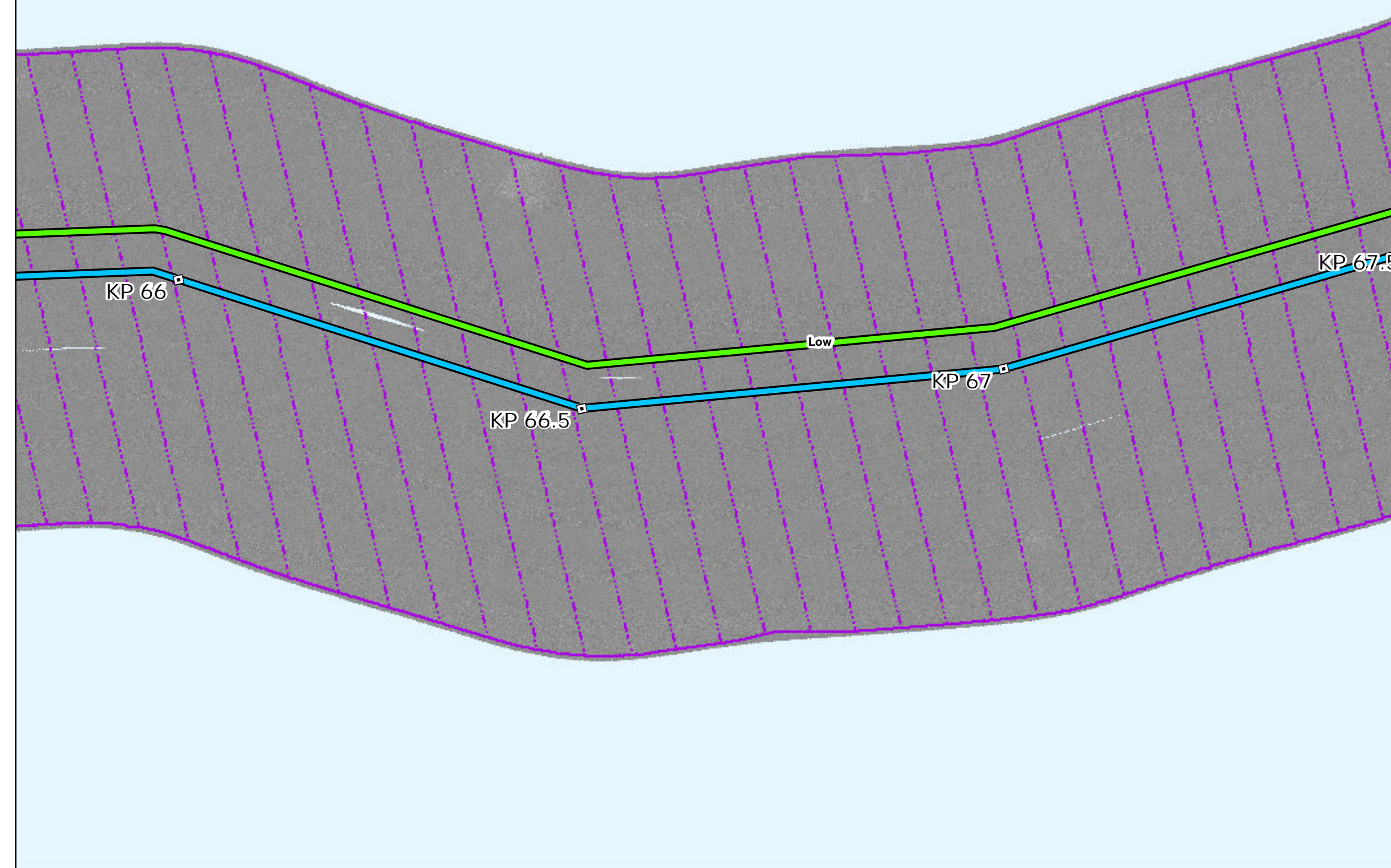
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



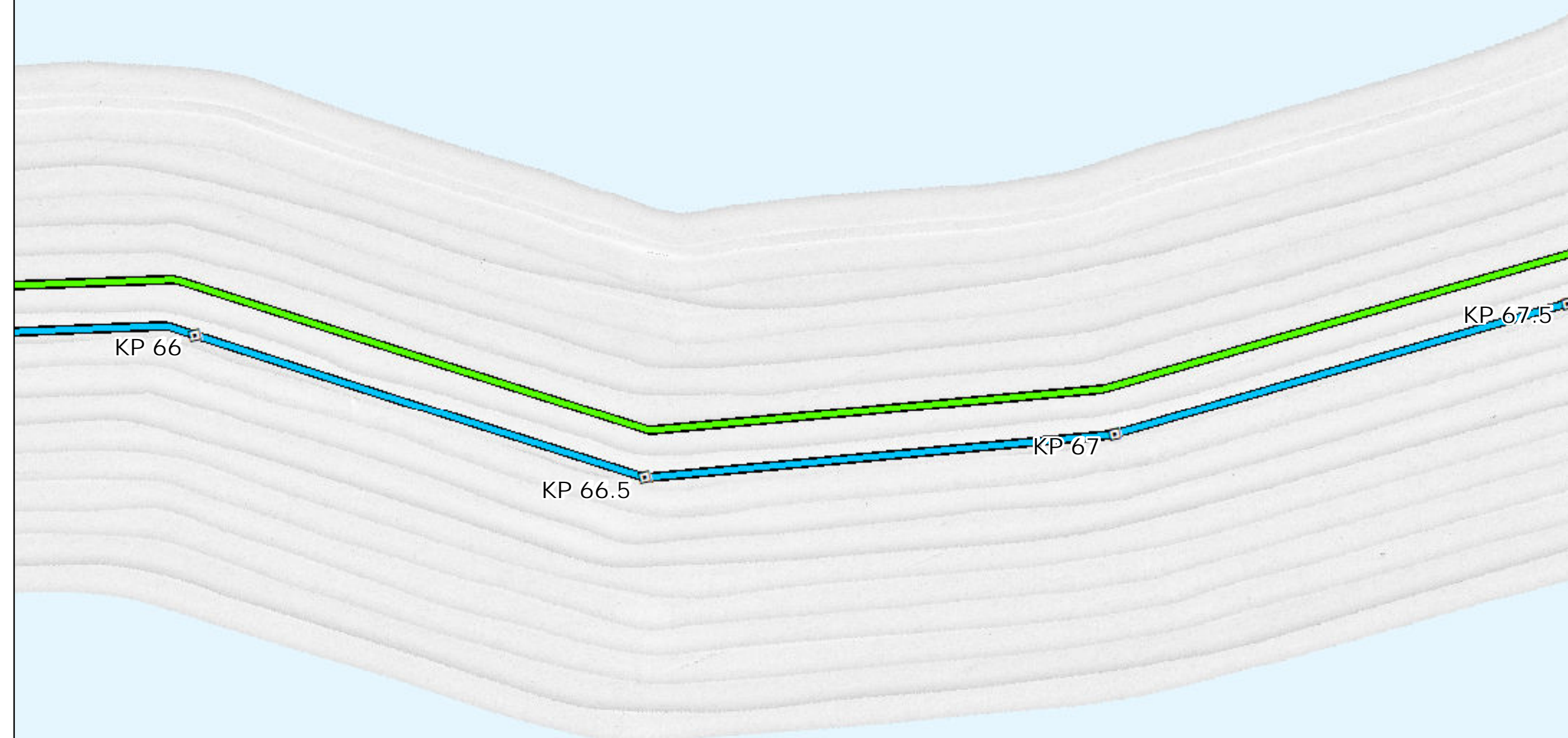
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



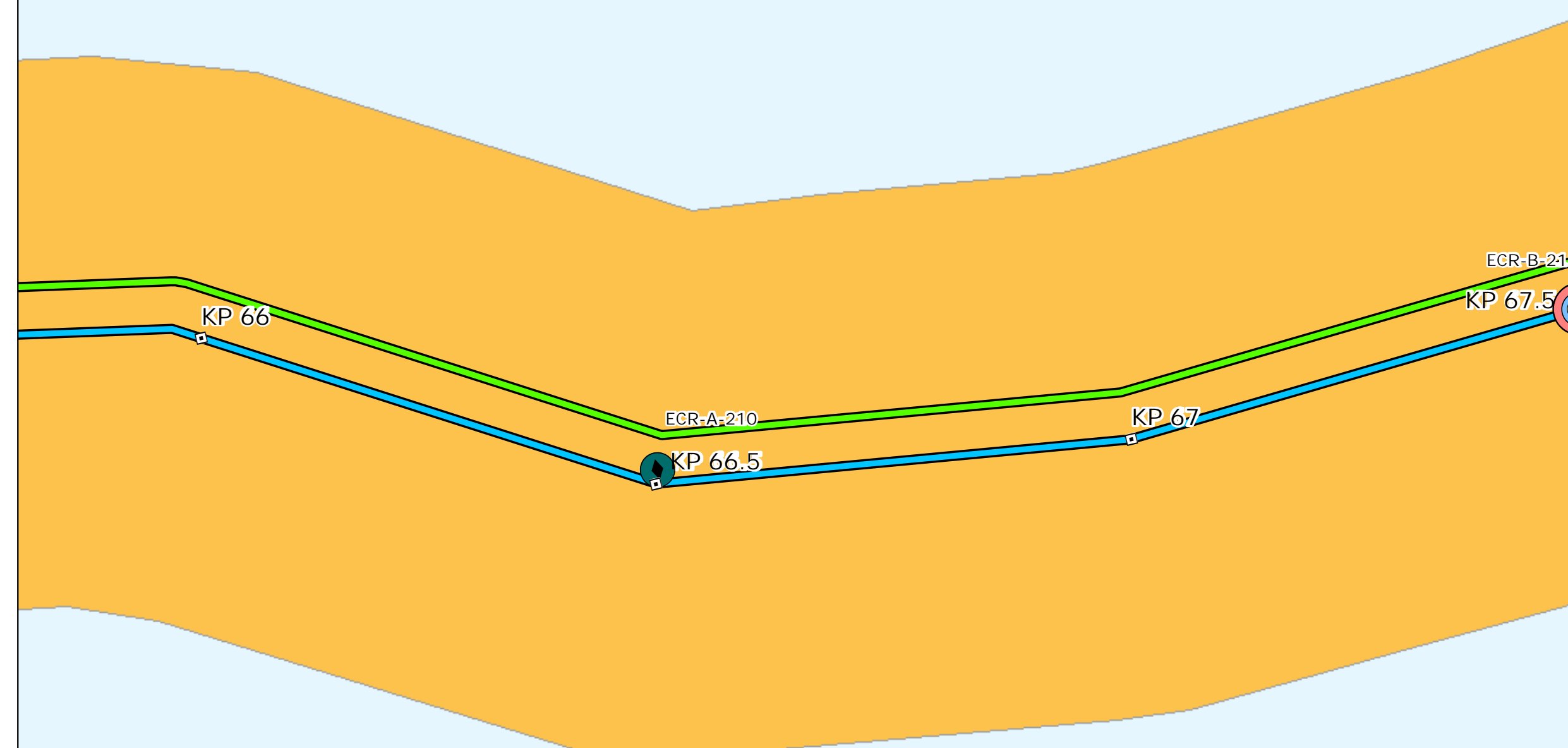
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

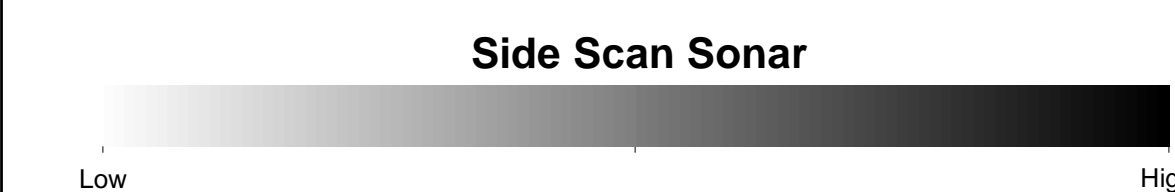
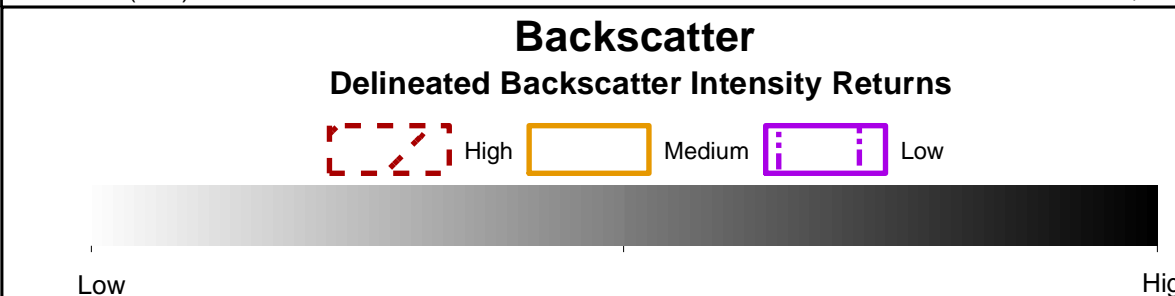
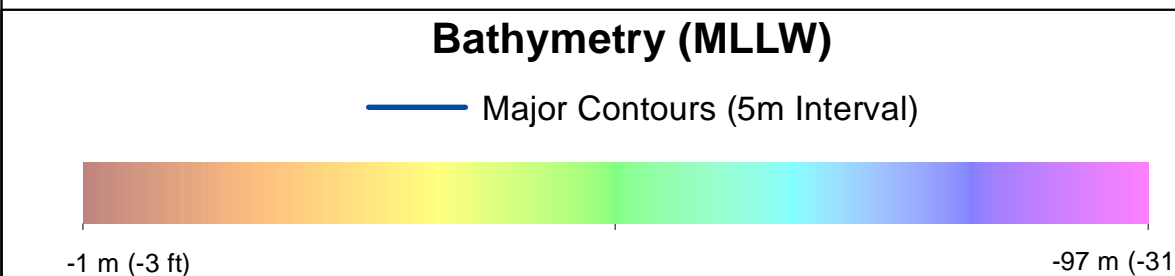
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



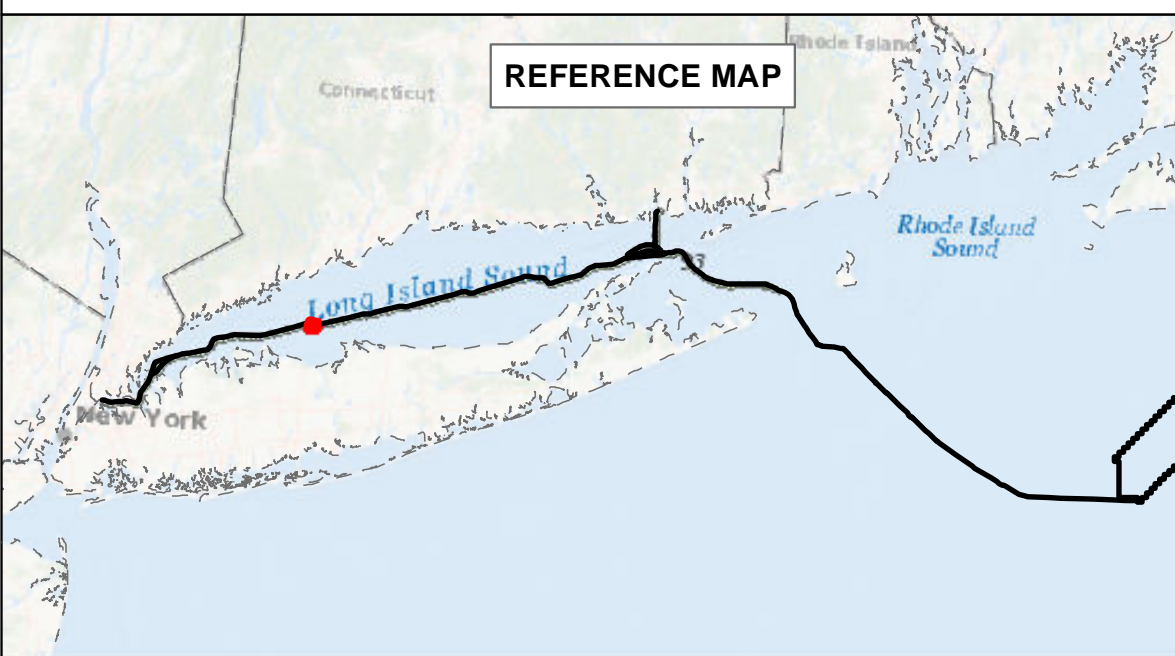
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               |  |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geoform</b>   |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

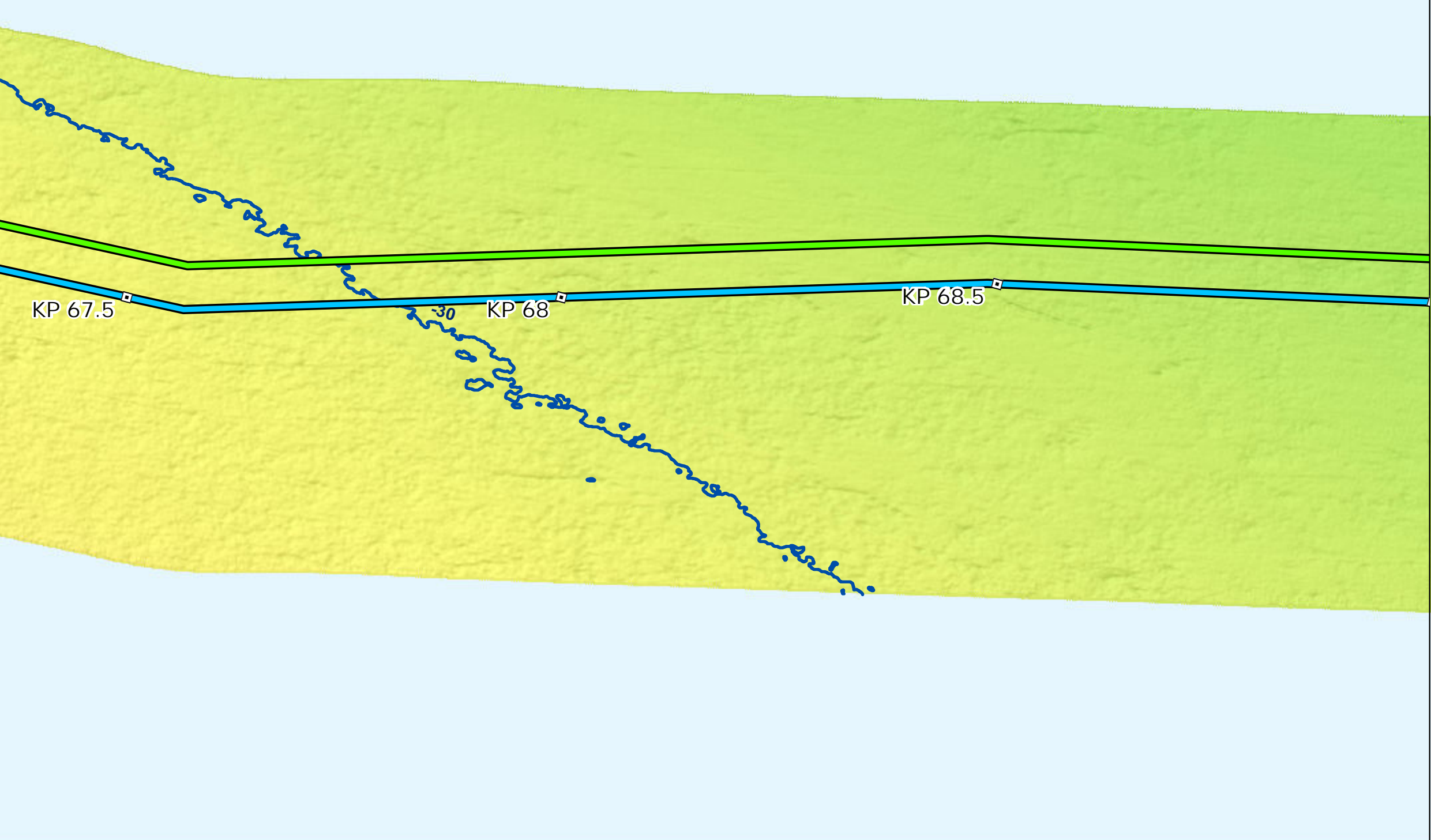
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 49

BW1 (NY) - KP 66 - KP 67.5  
BW2 (NY) - KP 66 - KP 67.5  
BW2 (CT) - N/A



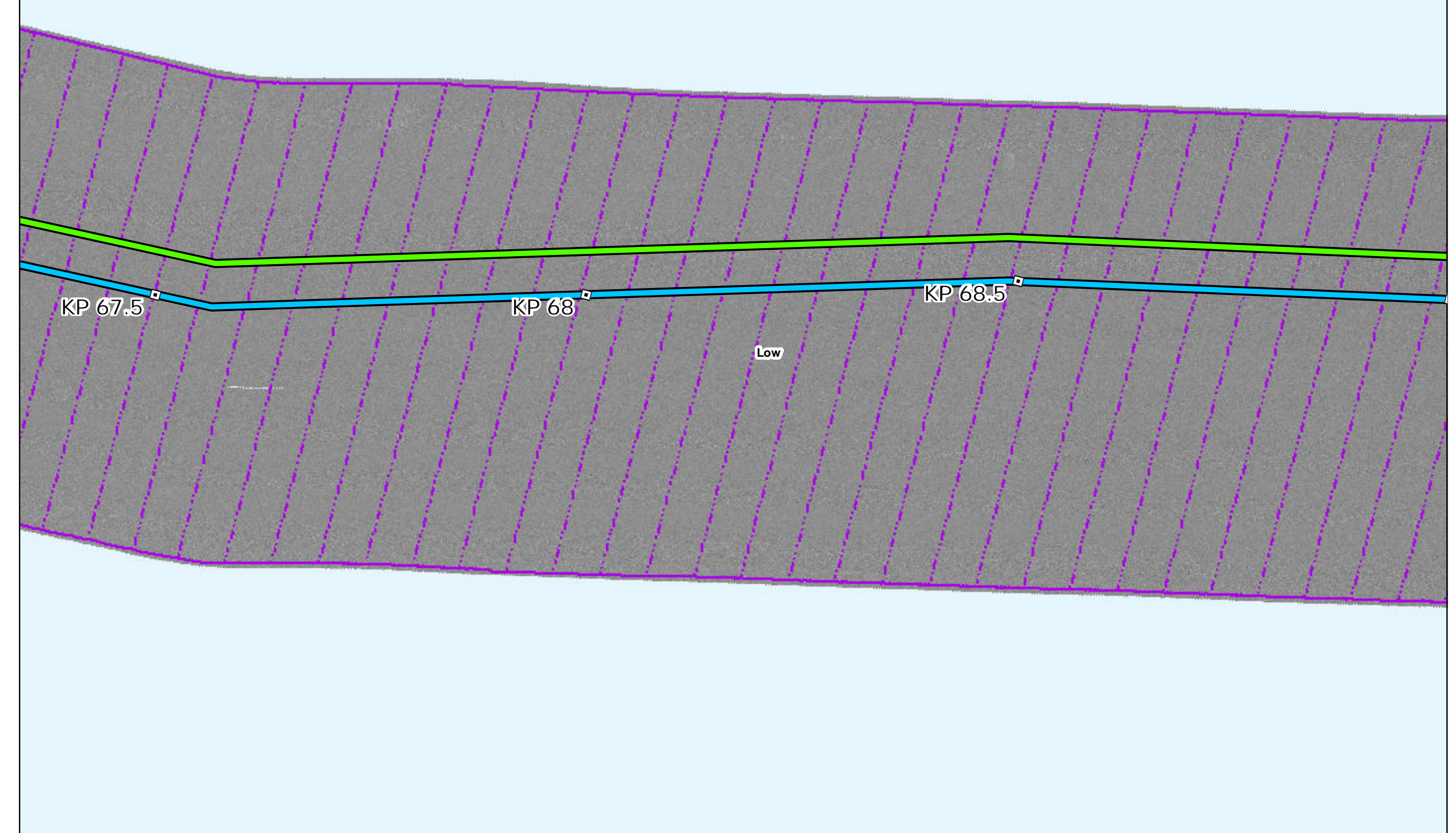
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



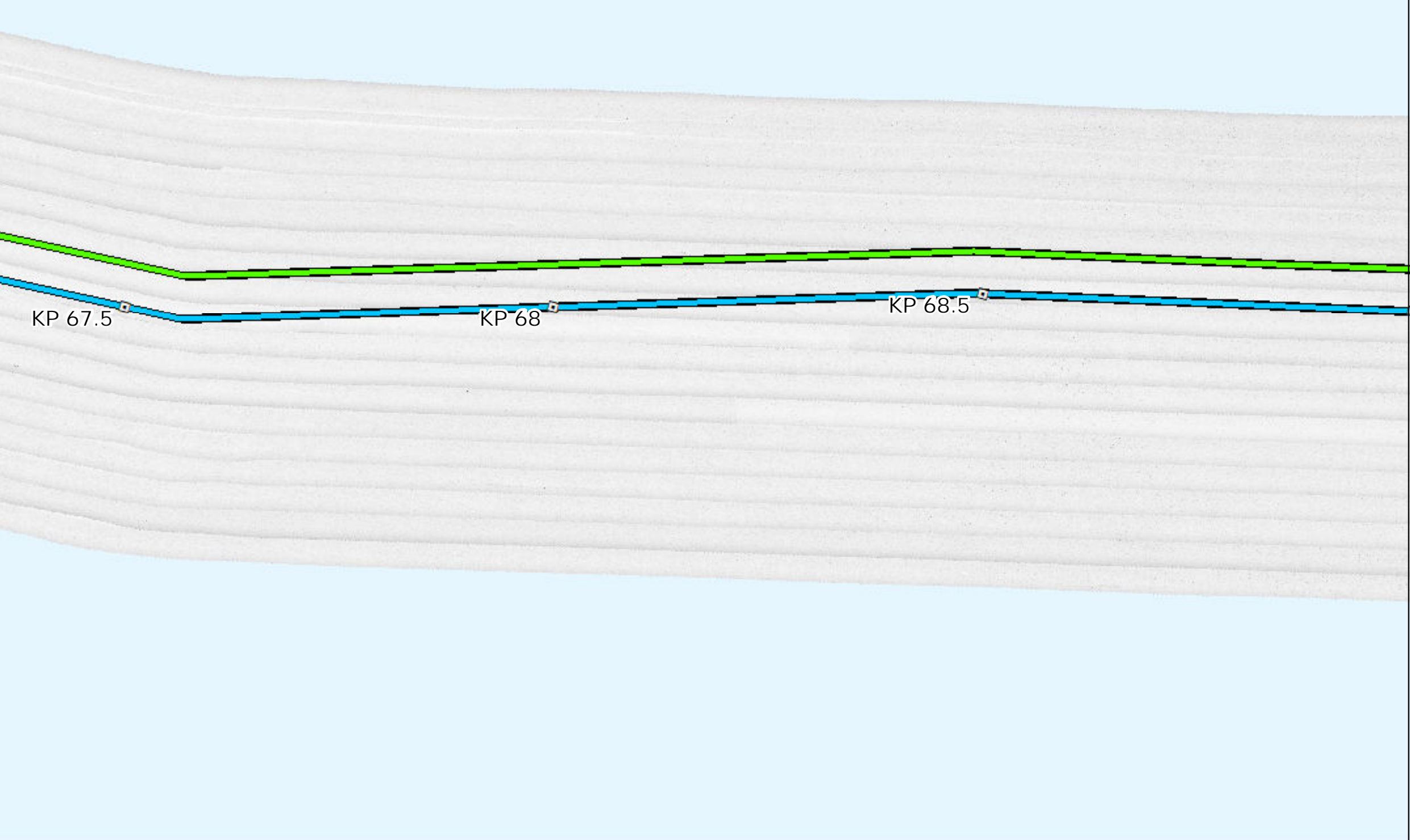
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



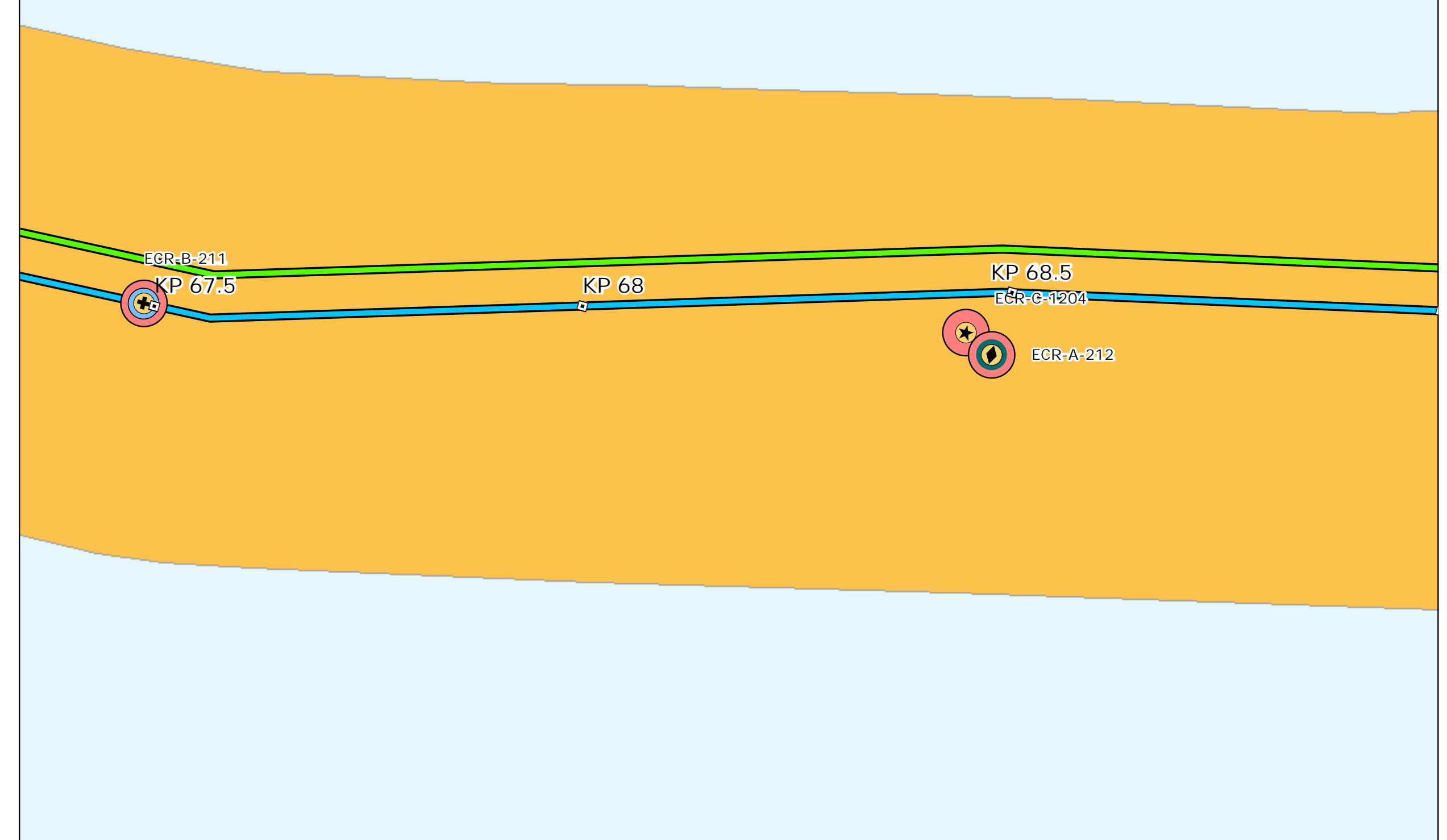
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

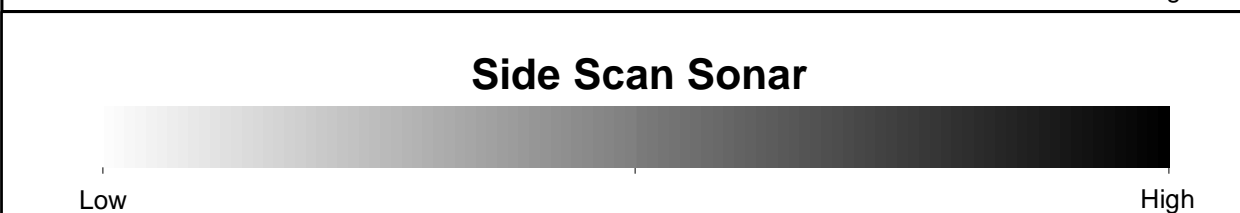
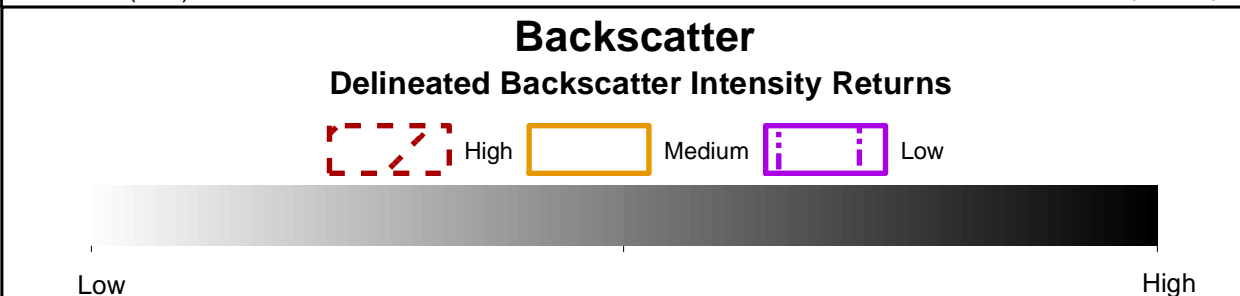
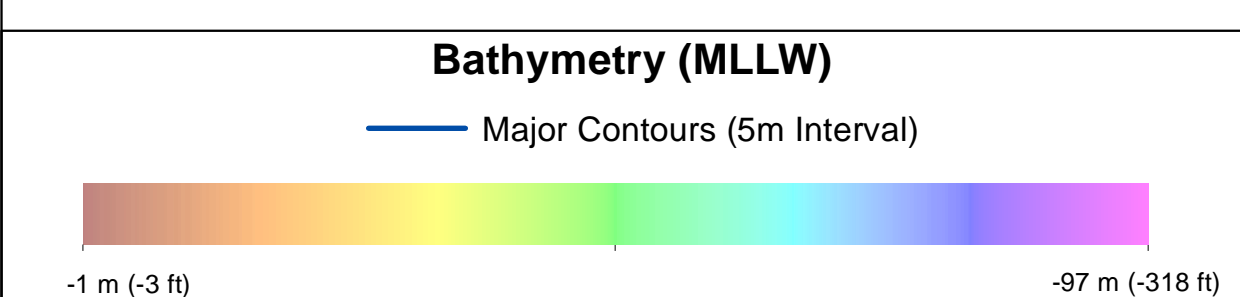
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

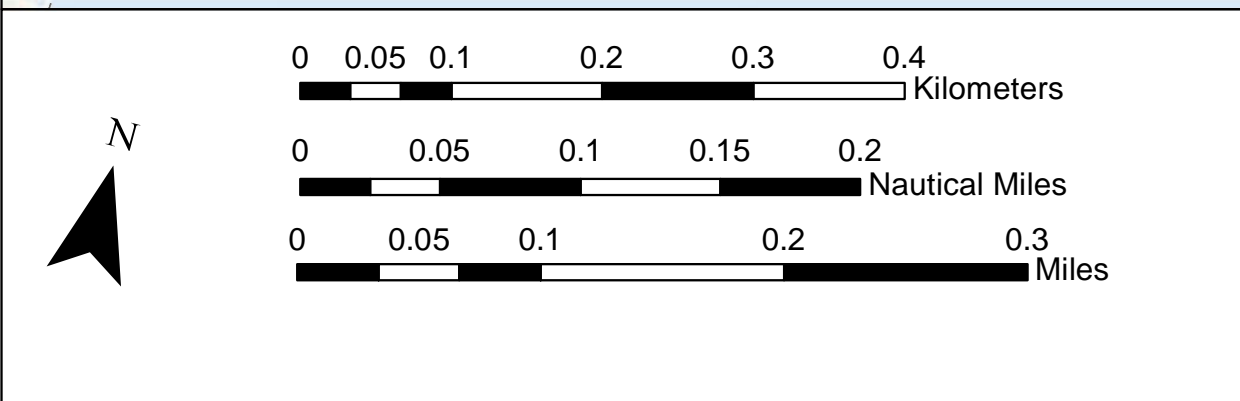
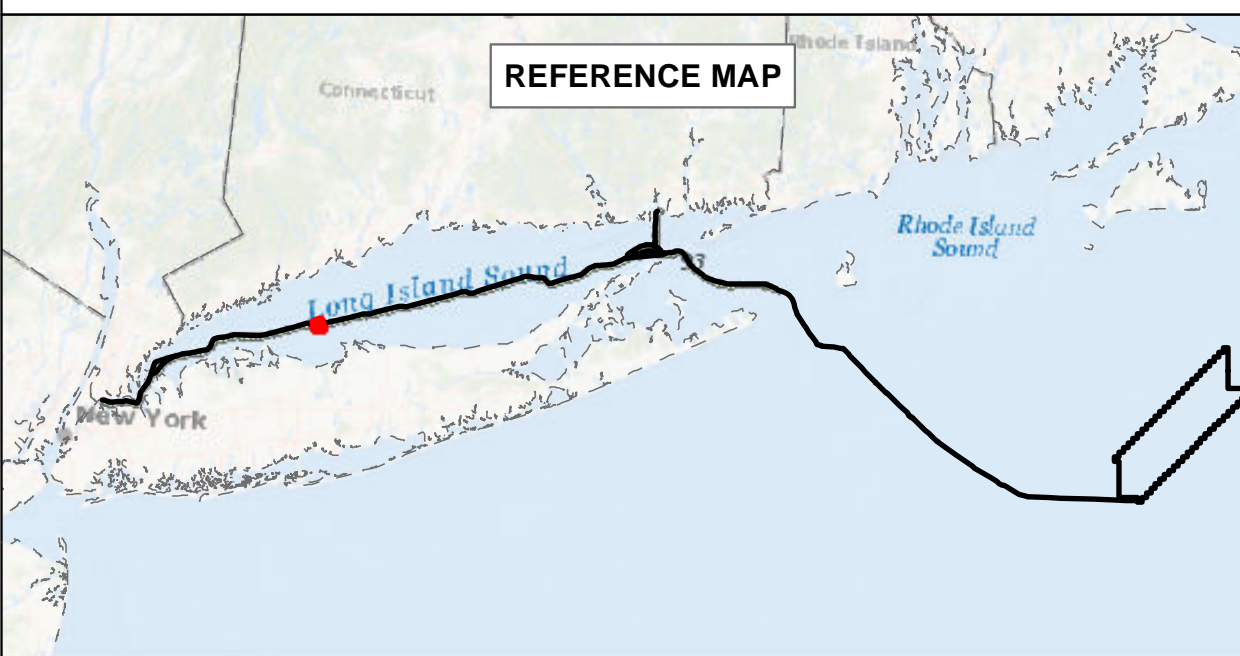


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |  |
|---|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video<br><b>CMECS Biotic</b><br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Gravelly Mud<br>● Sandy Mud<br><b>CMECS Geoform</b><br>● Burrows/Bioturbation | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>● Mixed Sediment/Complex Habitat |
|---|--|
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

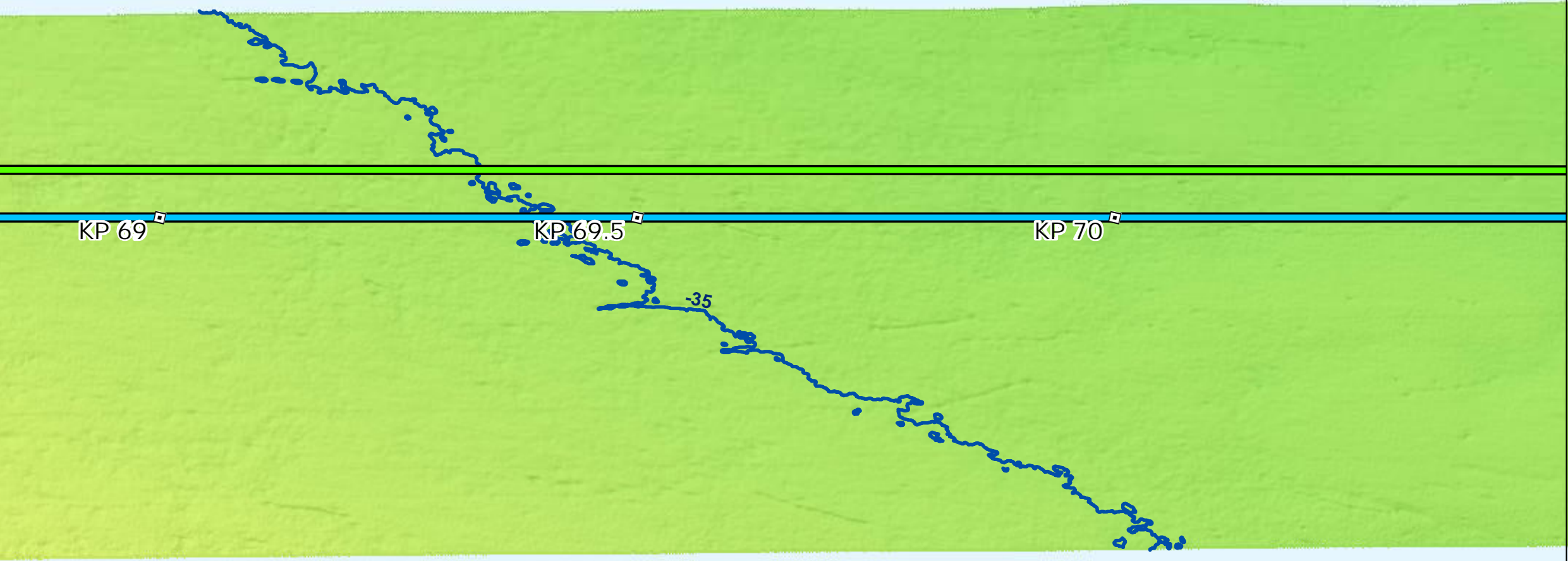
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 50

BW1 (NY) - KP 67.5 - KP 68.5  
BW2 (NY) - KP 67.5 - KP 68.5  
BW2 (CT) - N/A



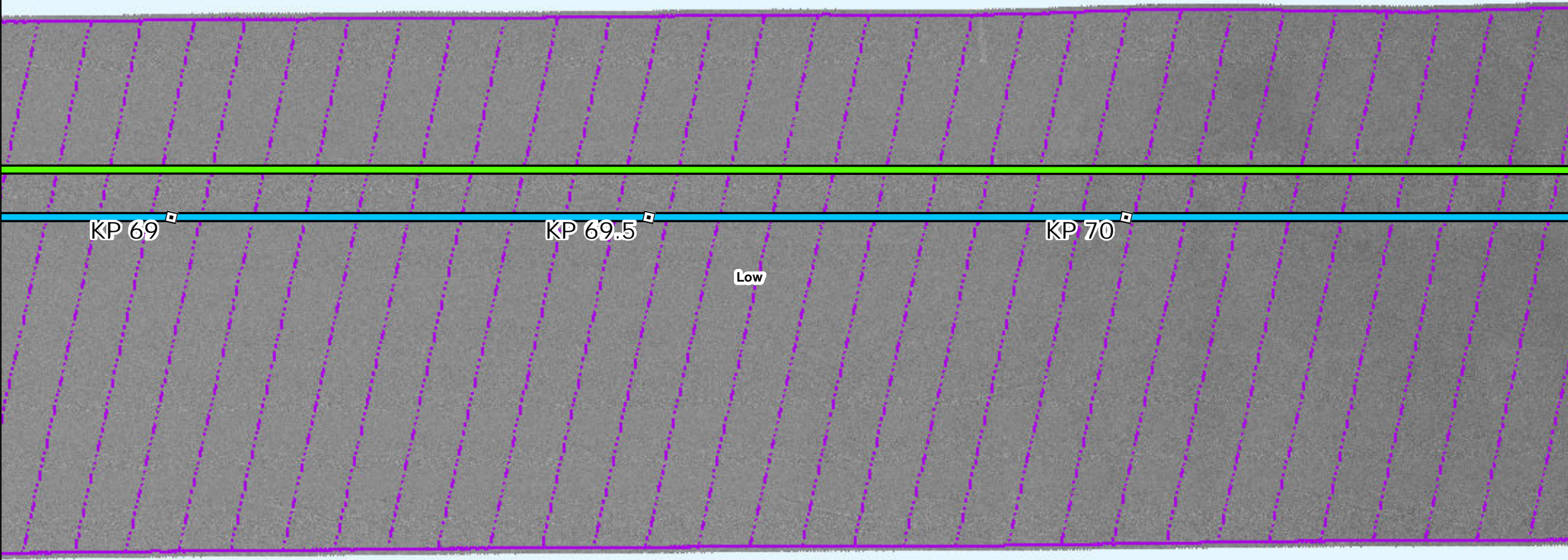
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



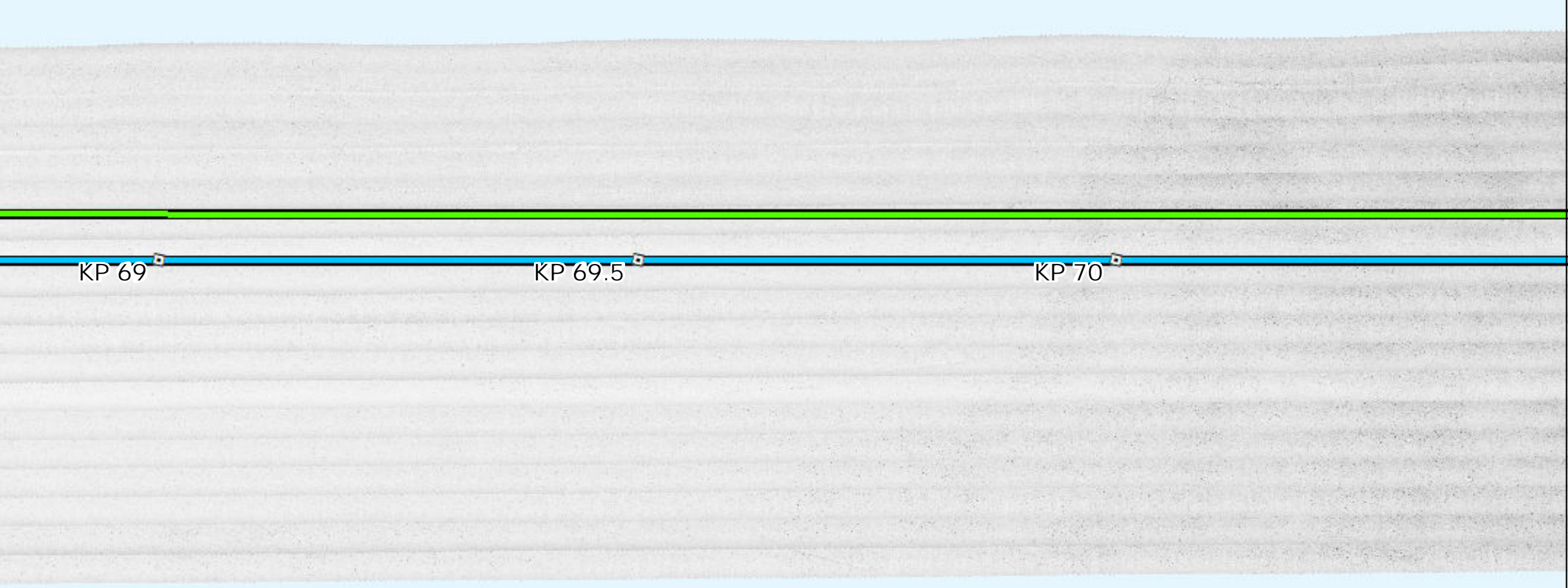
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



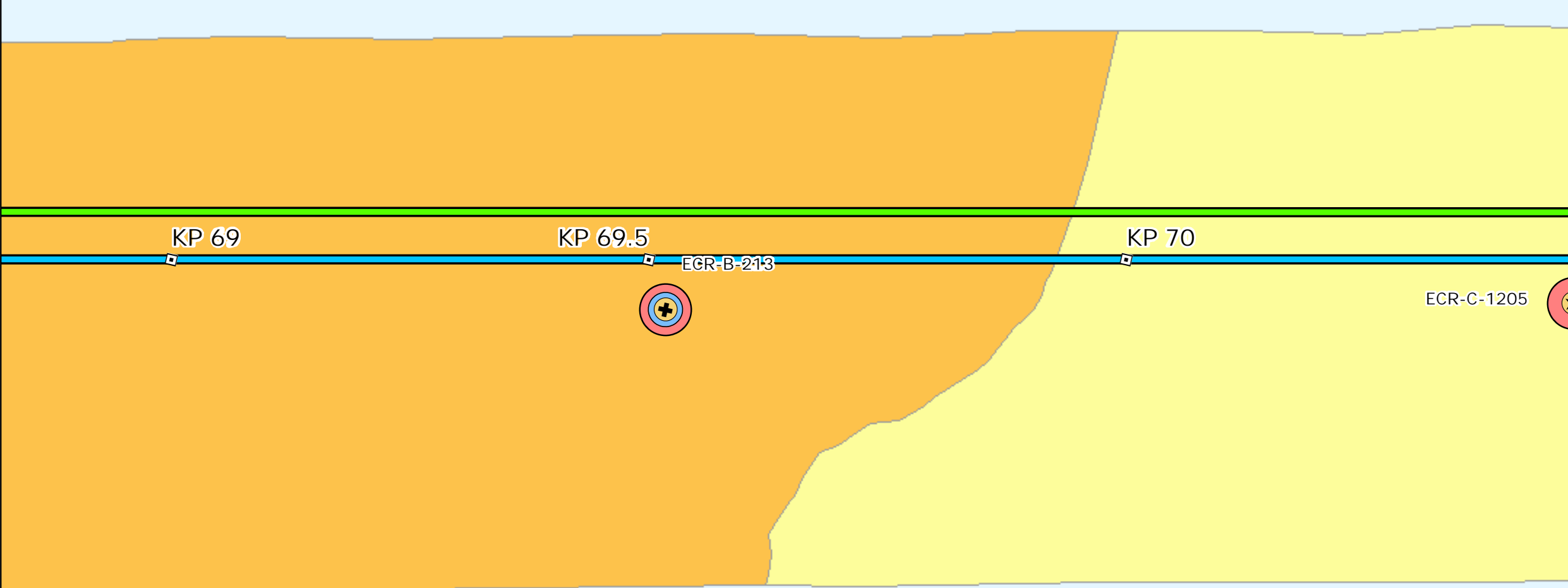
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

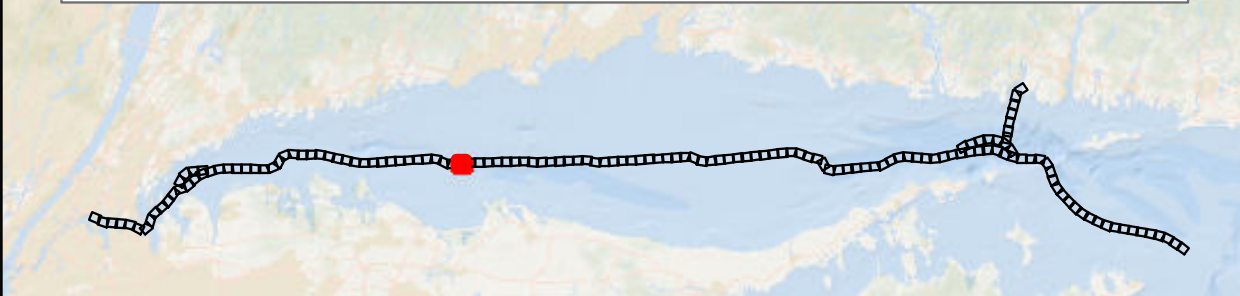


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

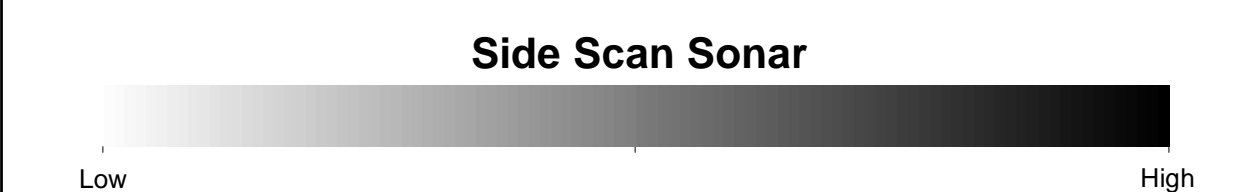
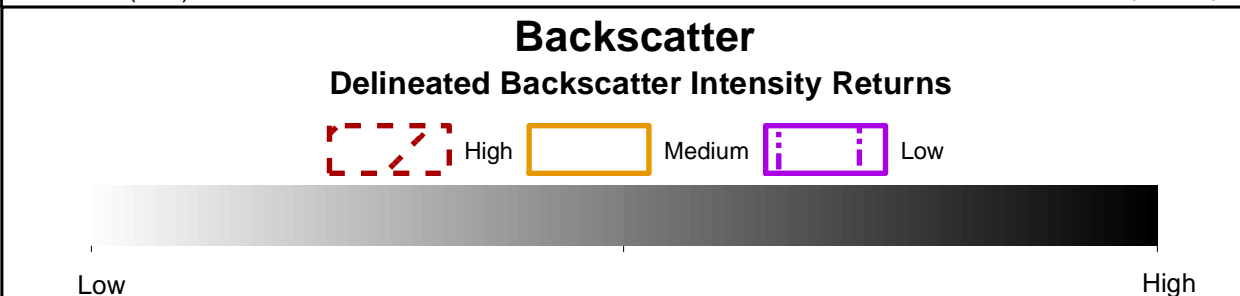
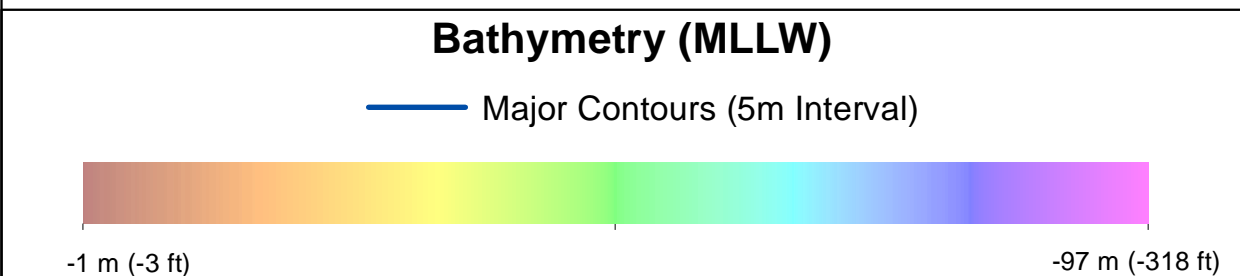
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

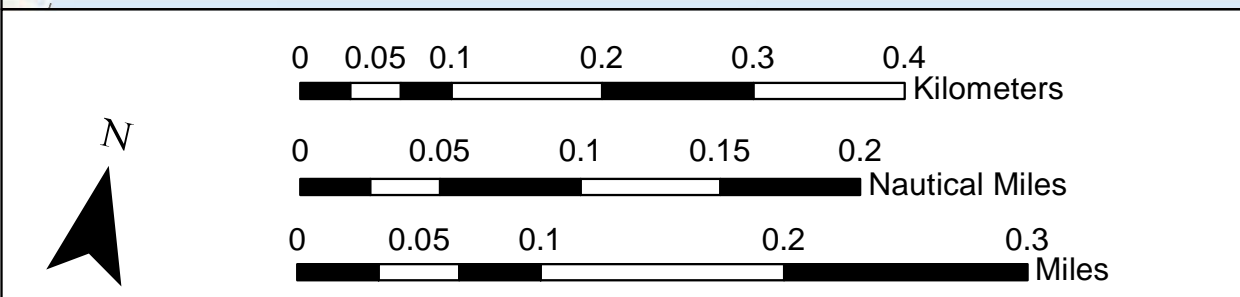
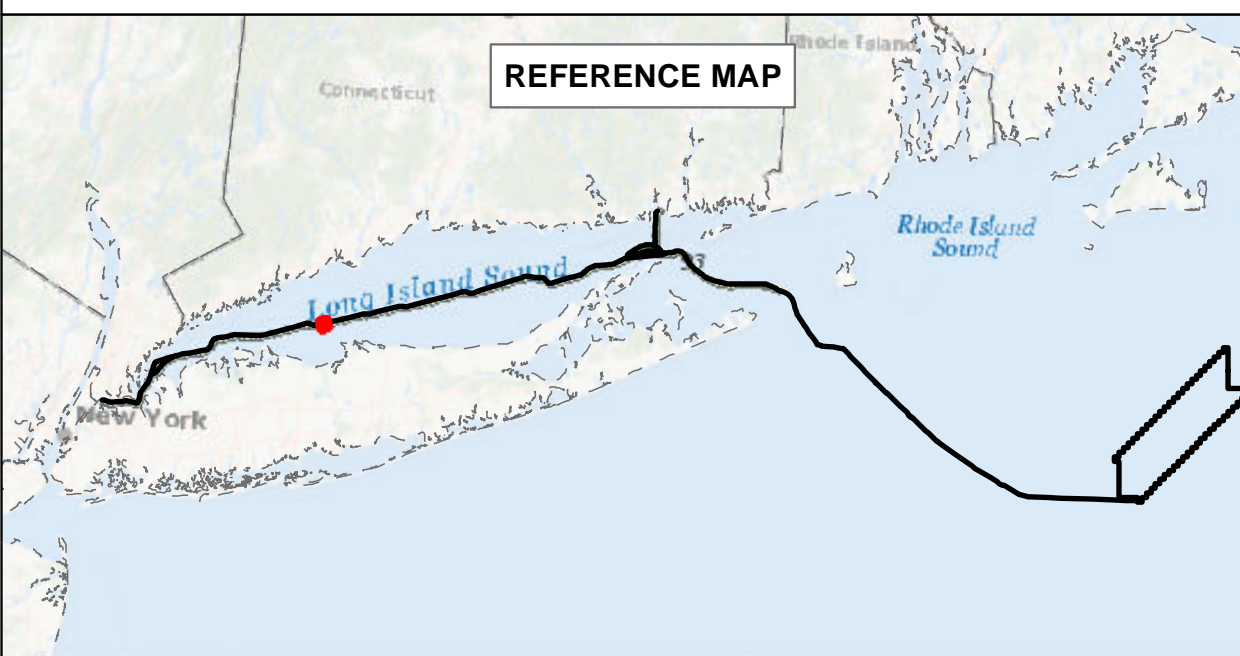


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ✦ Grab and Video
  - ★ Video
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Mud
  - Sandy Mud
- CMECS Geofom**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

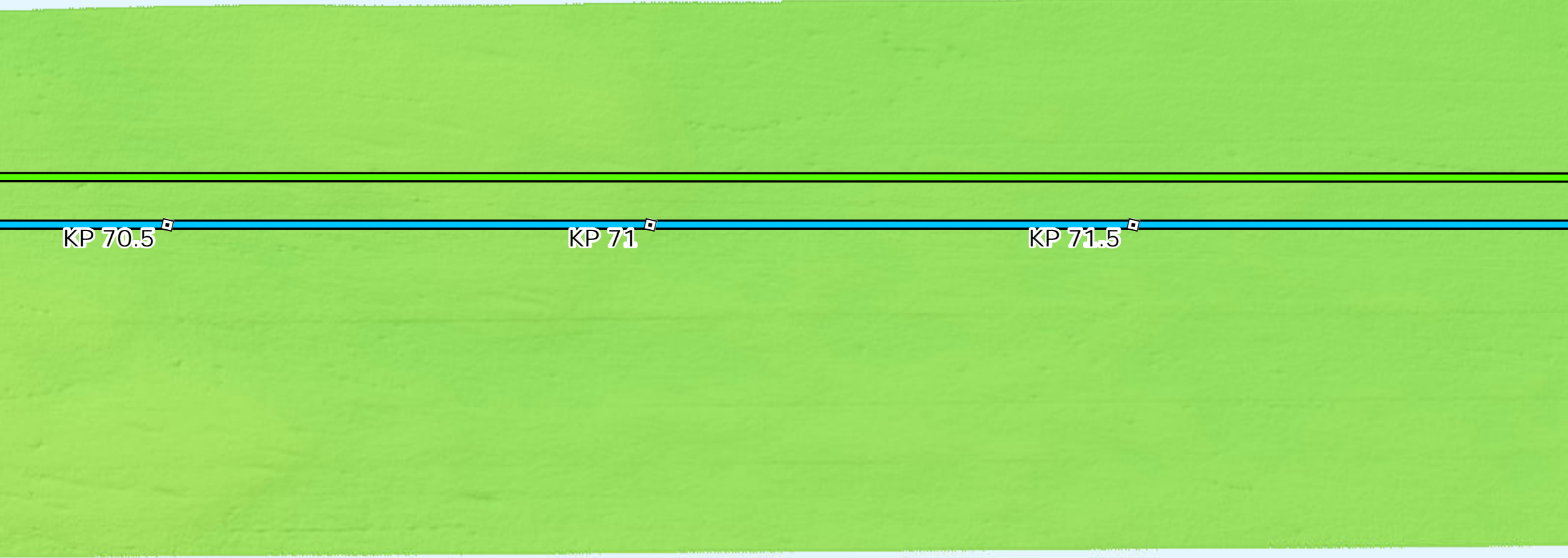
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 51

BW1 (NY) - KP 69 - KP 70  
BW2 (NY) - KP 69 - KP 70  
BW2 (CT) - N/A



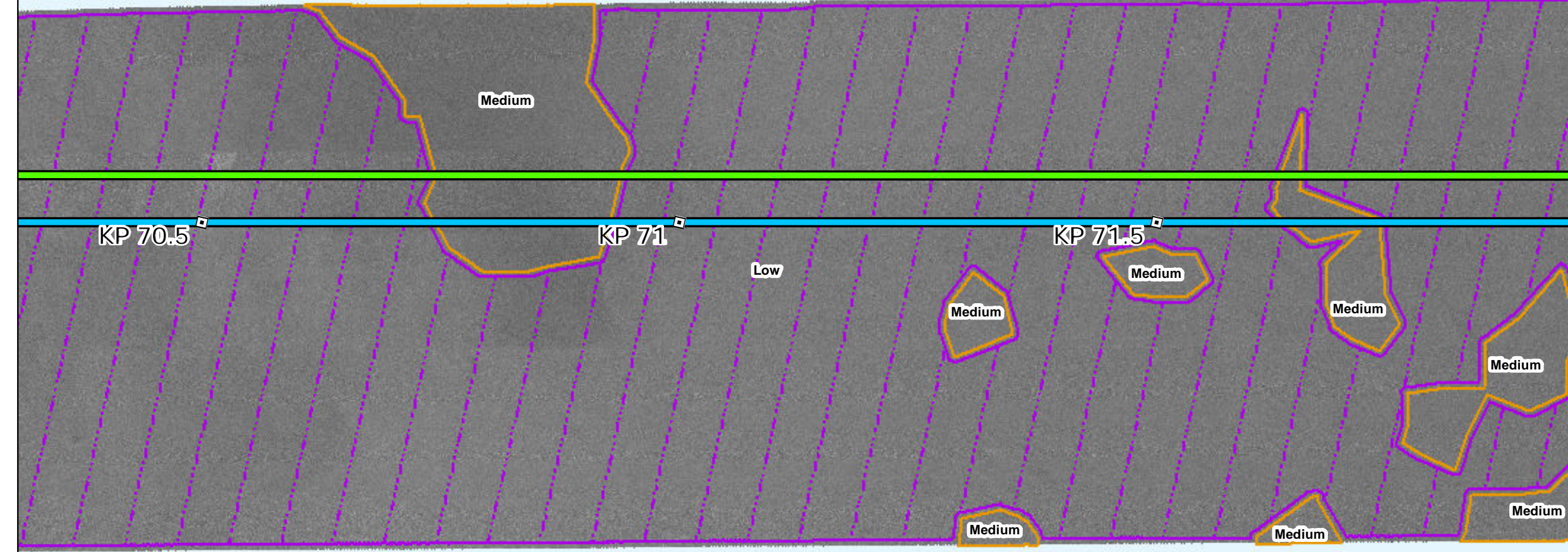
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



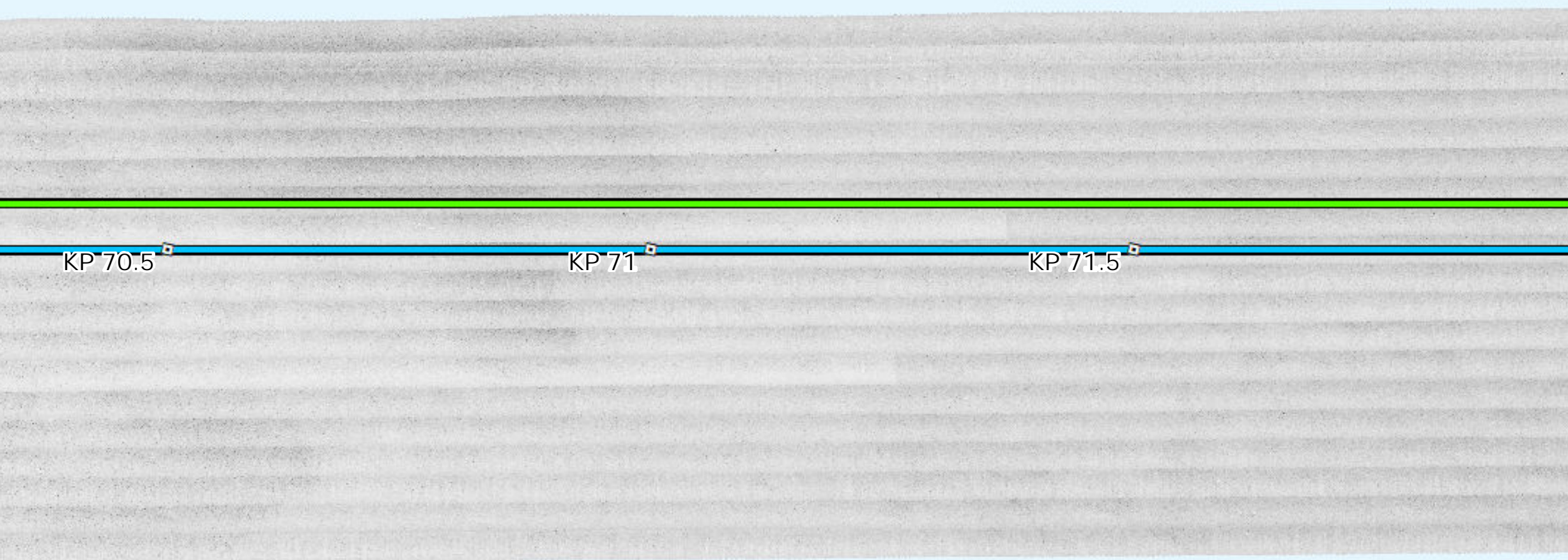
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



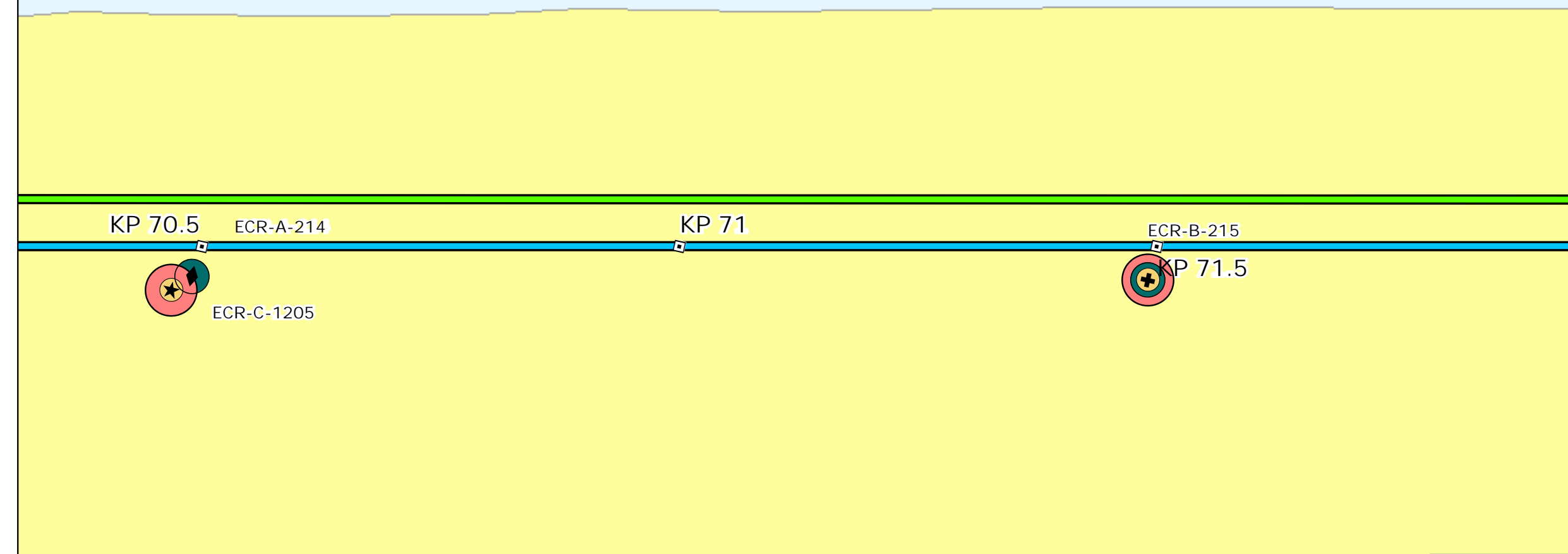
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

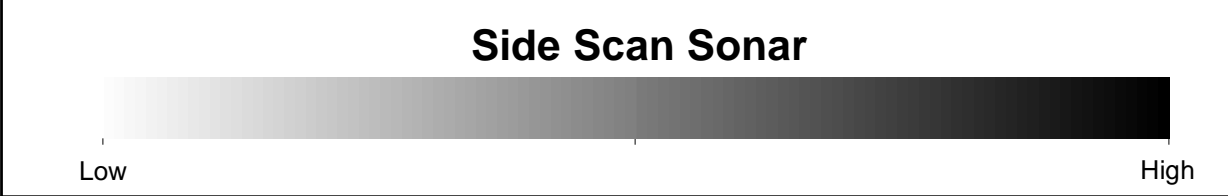
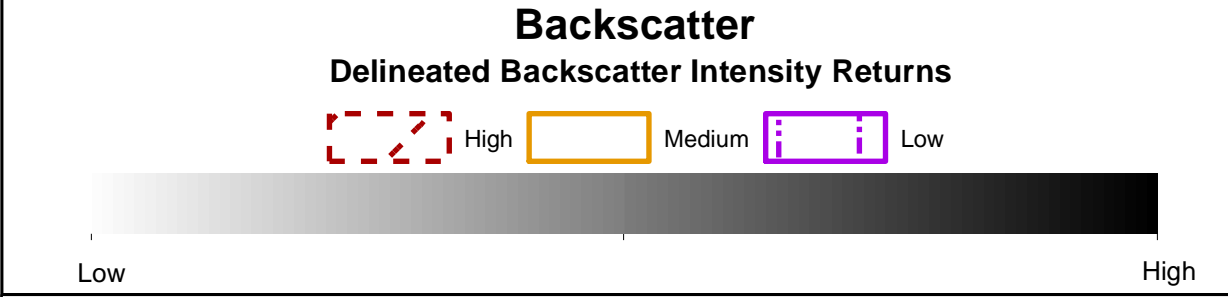
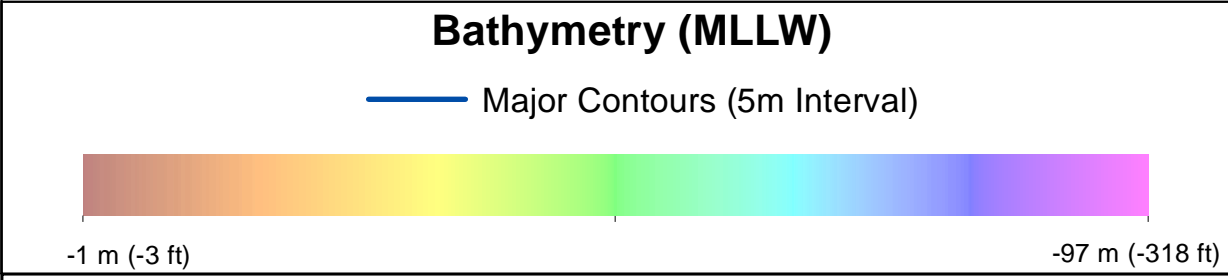
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



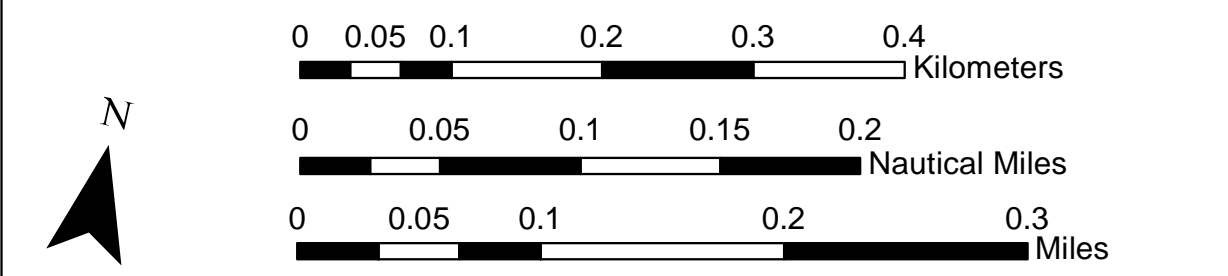
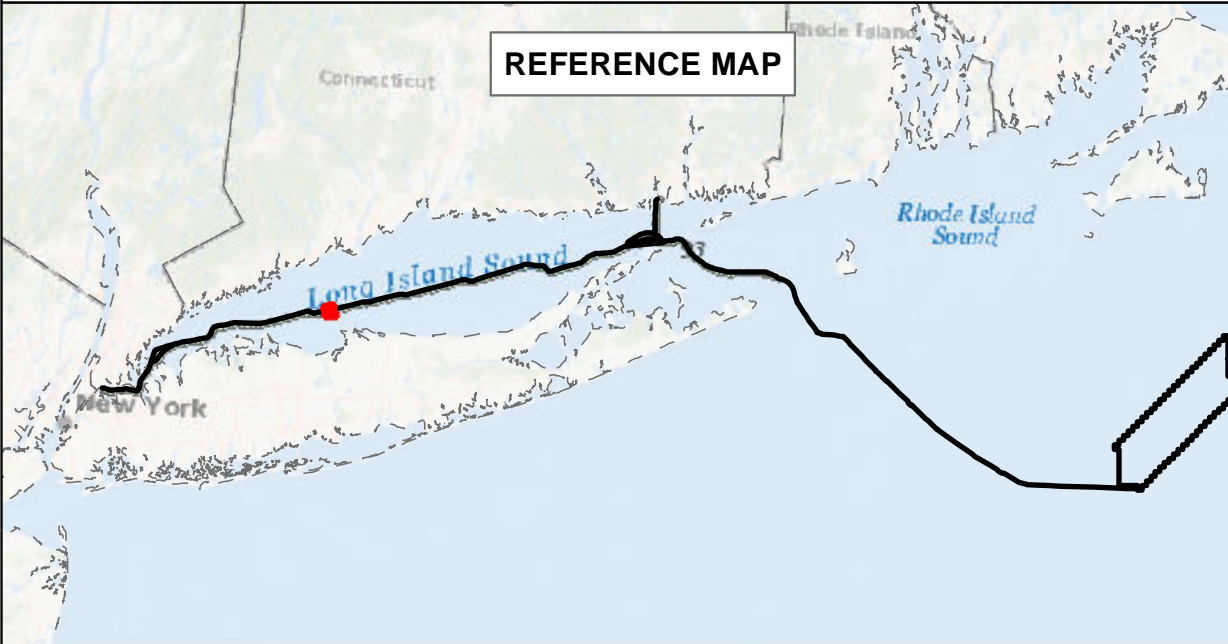
### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- #### Station Type
- ✦ Grab and Video
  - ◆ SPI/PV
  - ★ Video
- #### CMECS Biotic
- Soft Sediment Fauna
- #### CMECS Substrate
- Sandy Mud
- #### CMECS Geoform
- Burrows/Bioturbation

- #### Interpreted Seabed Sediment/NMFS Habitat Characterization
- Mud and Sandy Mud/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

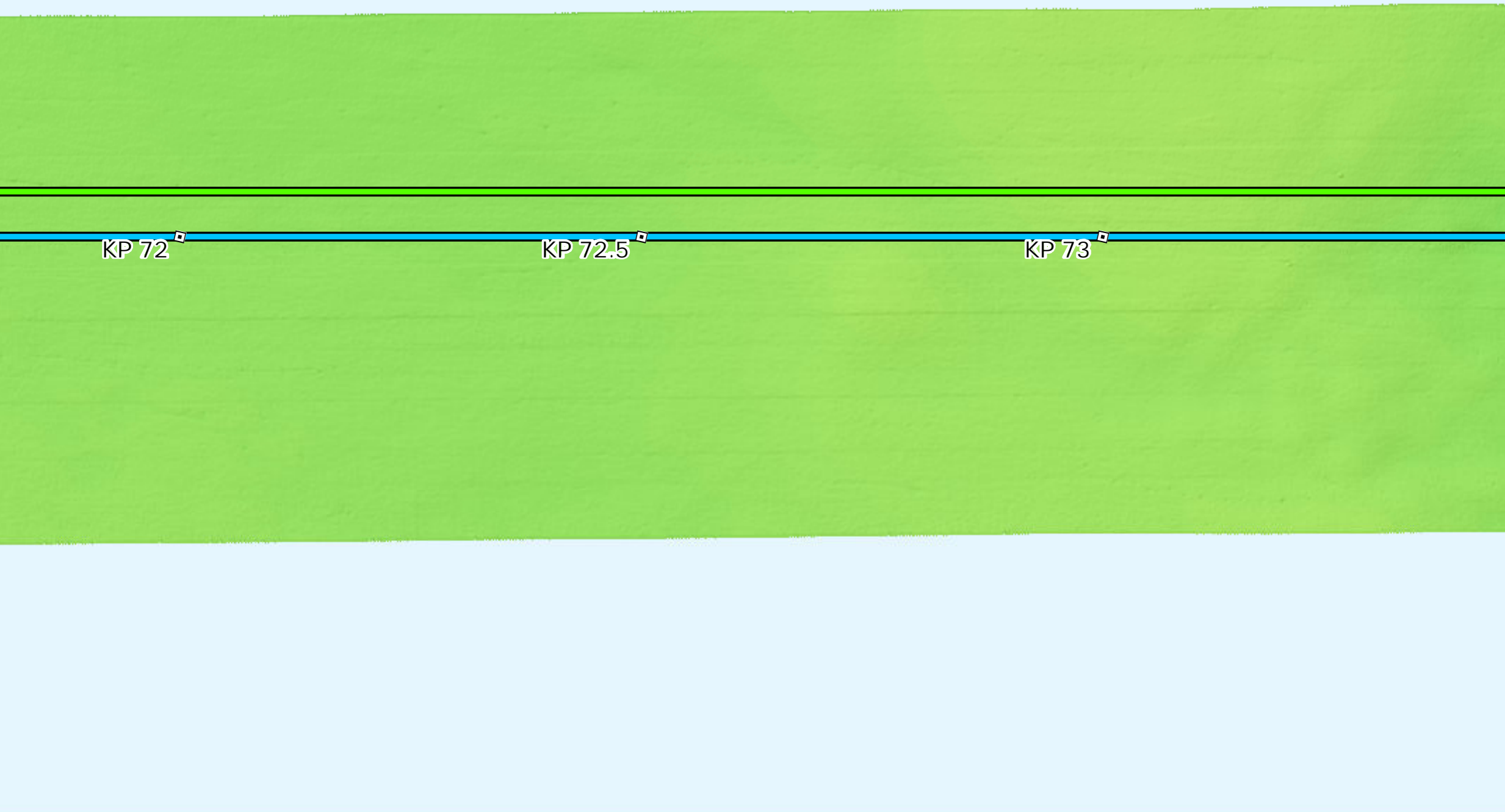
#### Tile 52

BW1 (NY) - KP 70.5 - KP 71.5  
BW2 (NY) - KP 70.5 - KP 71.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



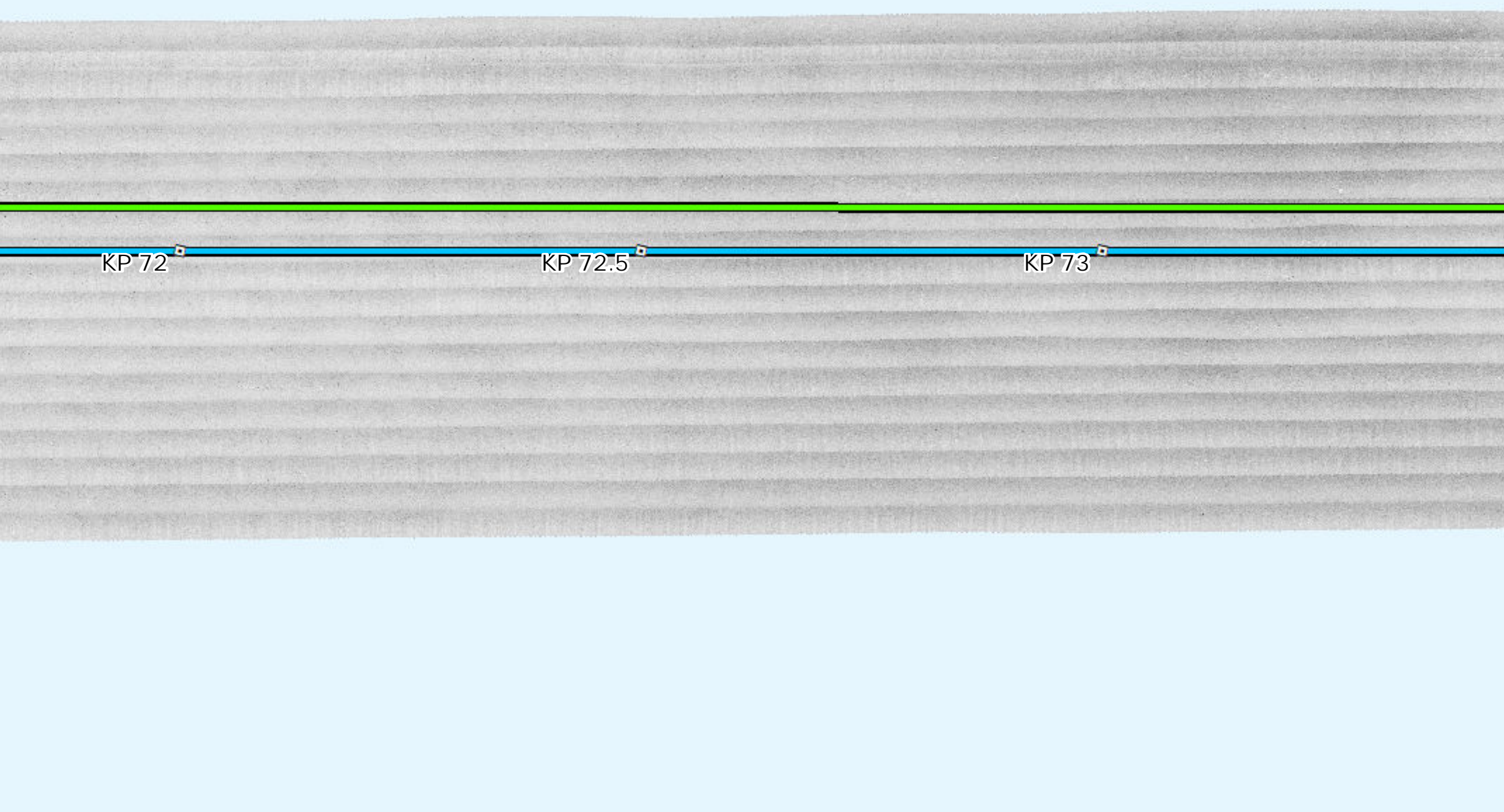
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



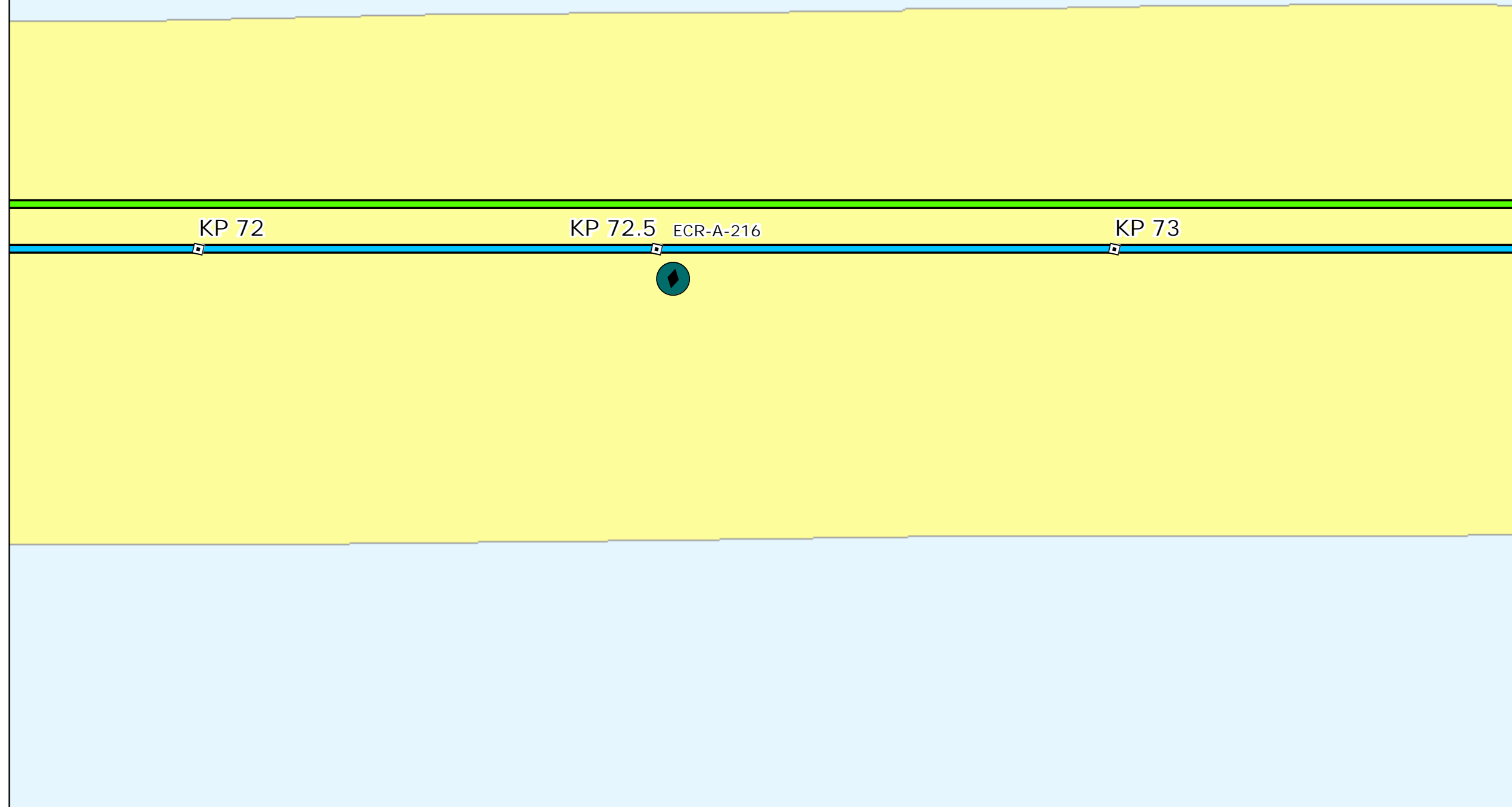
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

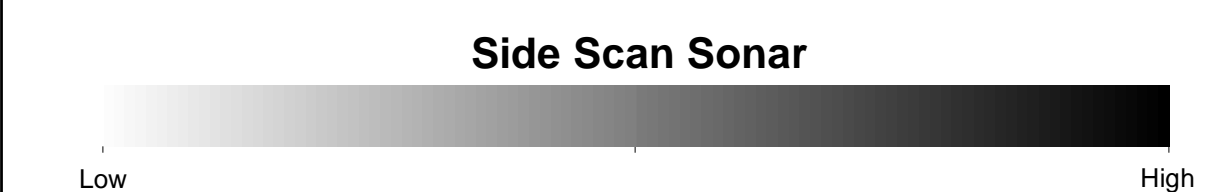
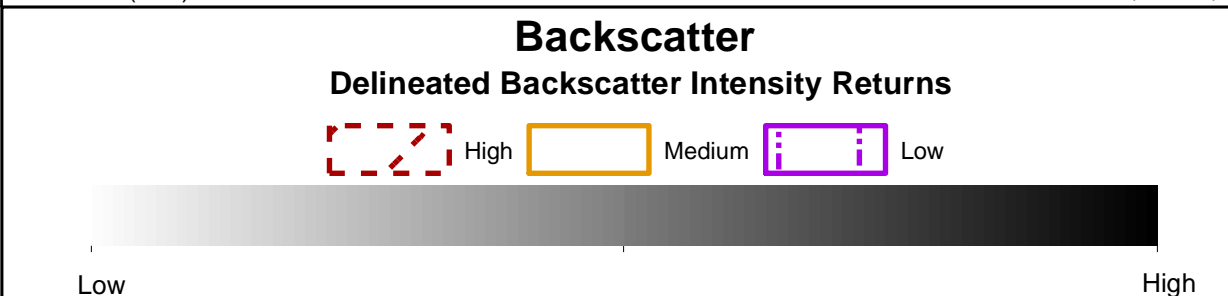
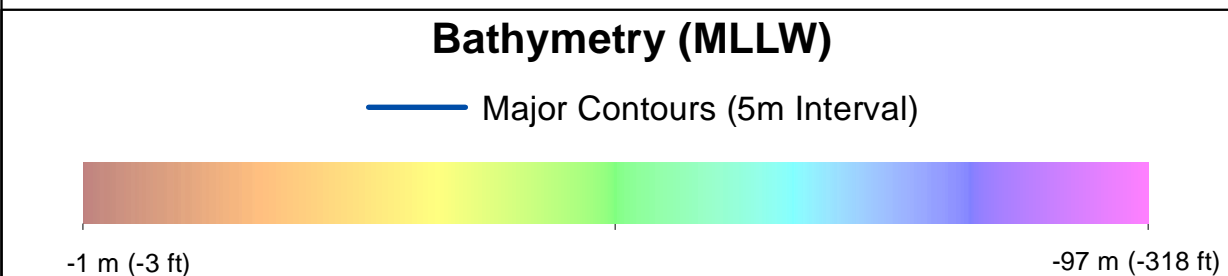
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



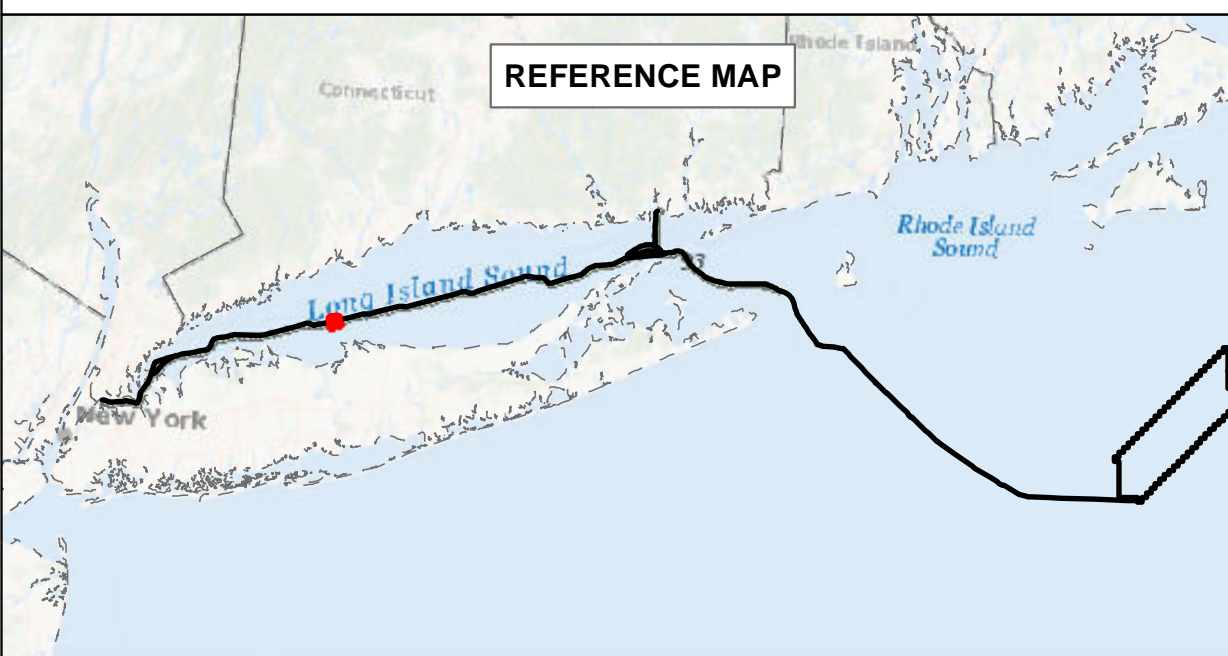
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - ◆ SPI/PV
  - CMECS Substrate**
    - Sandy Mud
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

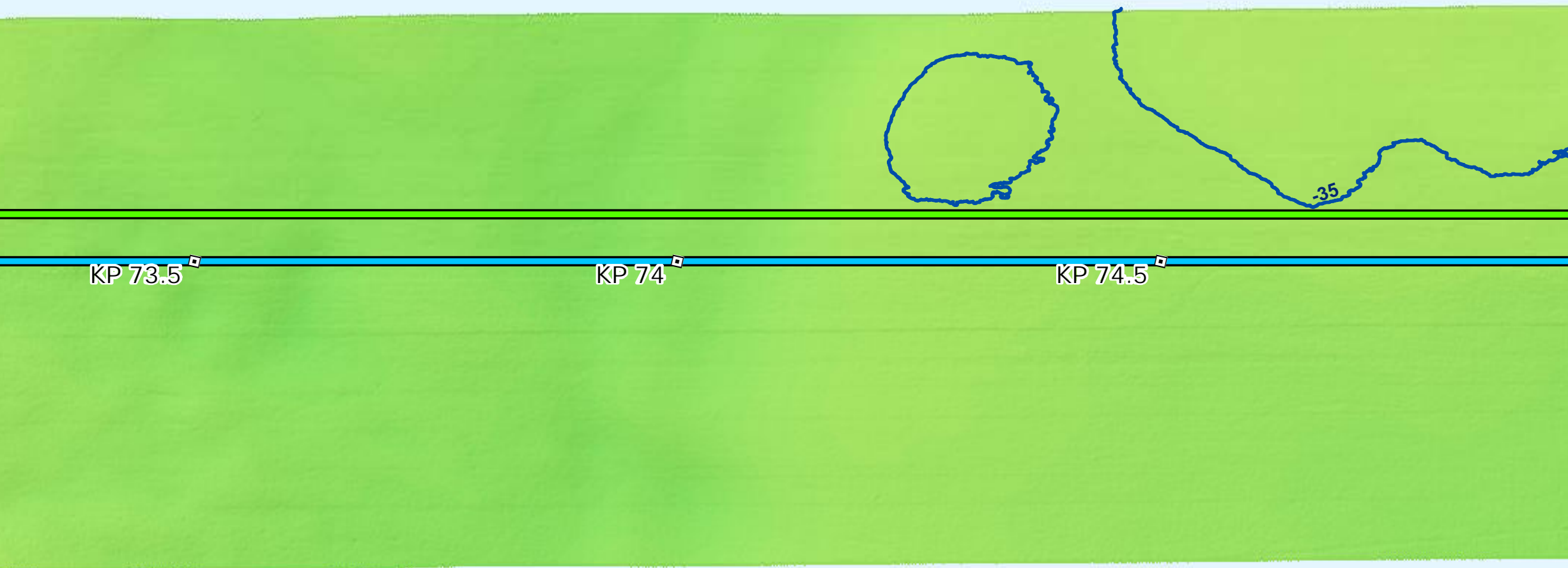
#### Tile 53

BW1 (NY) - KP 72 - KP 73  
 BW2 (NY) - KP 72 - KP 73  
 BW2 (CT) - N/A



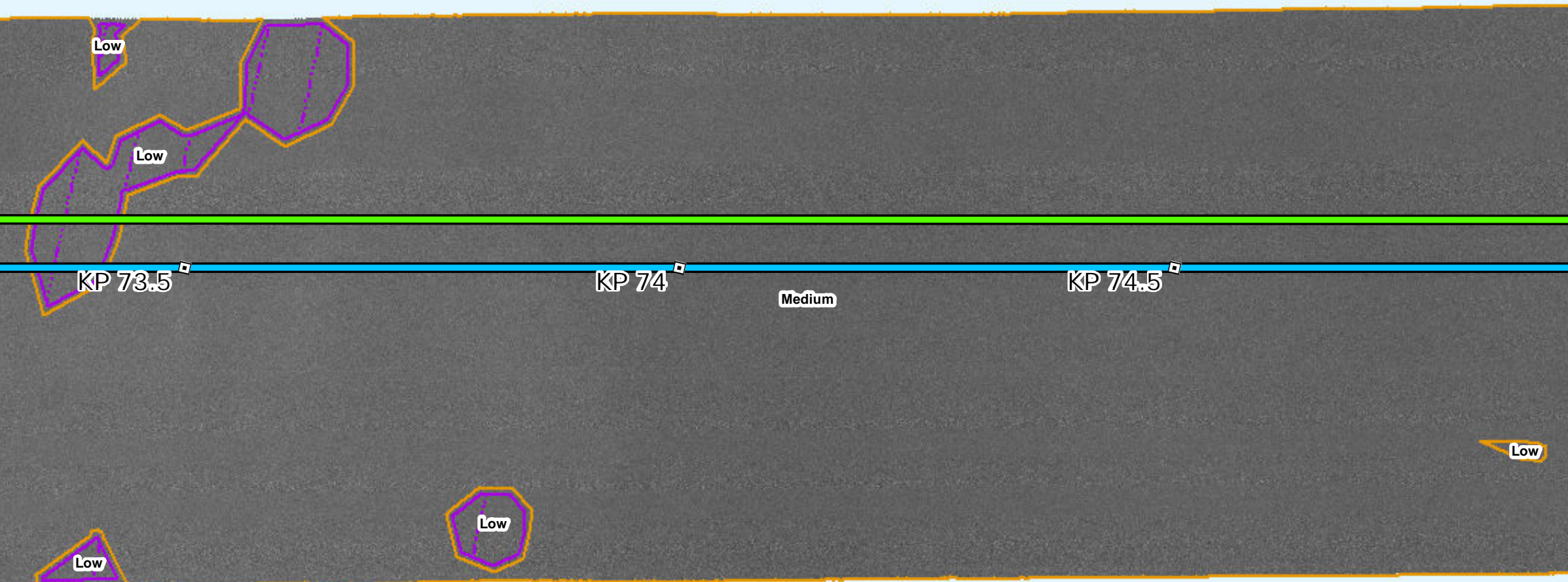
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



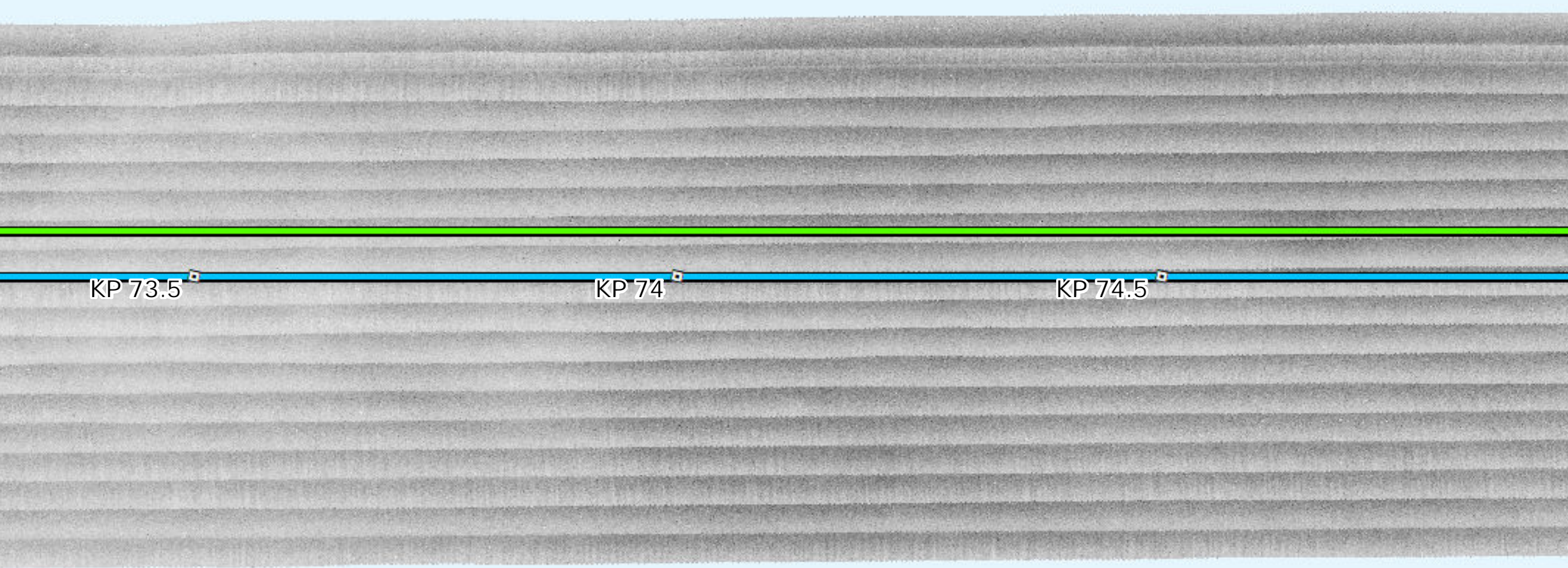
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



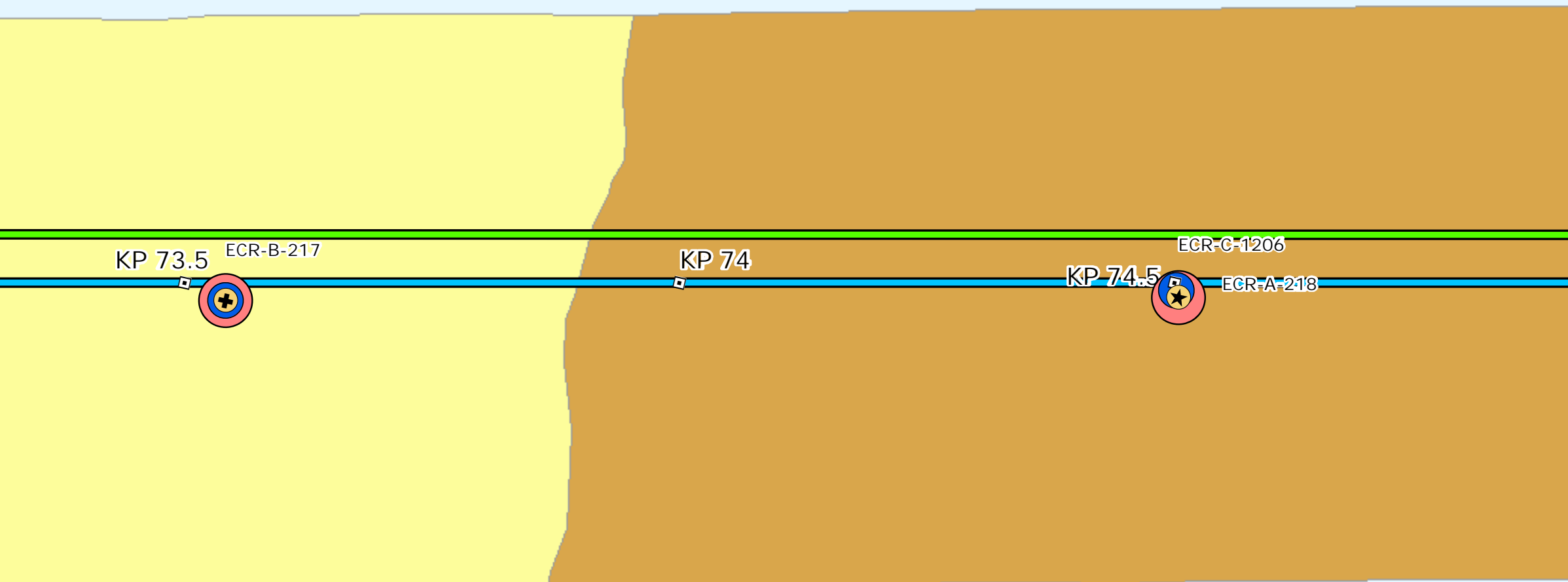
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/ NMFS Habitat Characterization

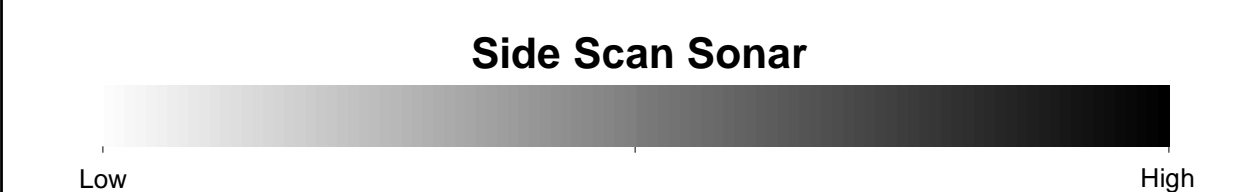
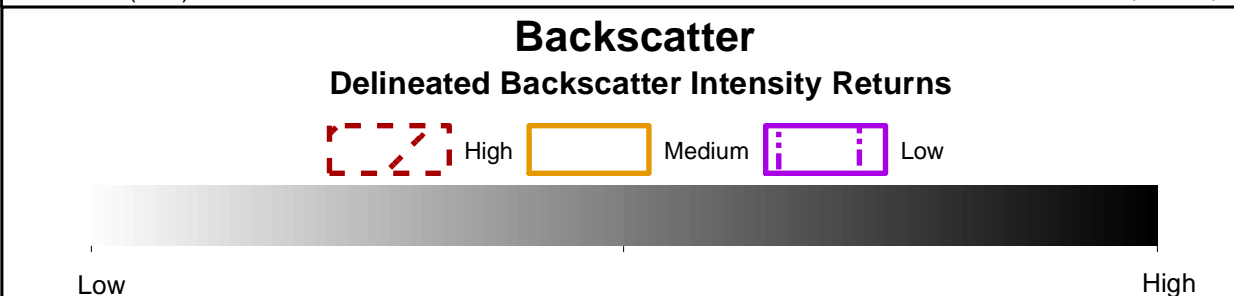
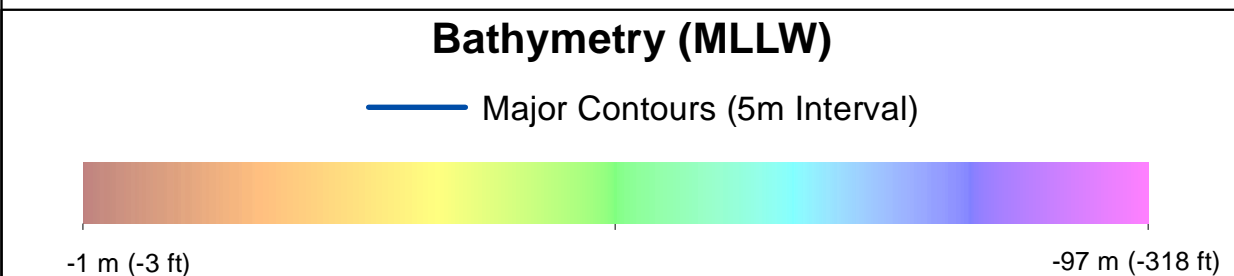
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



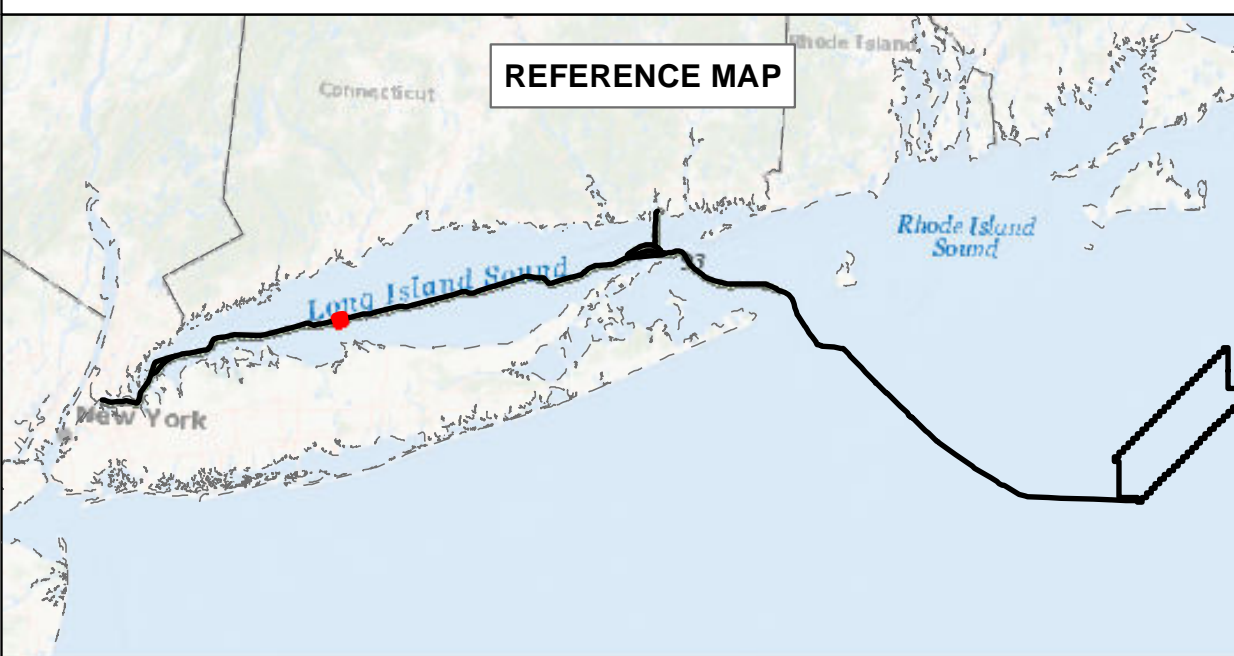
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
  - ★ Video
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Muddy Sand
- CMECS Geofom**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Sand and Muddy Sand/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

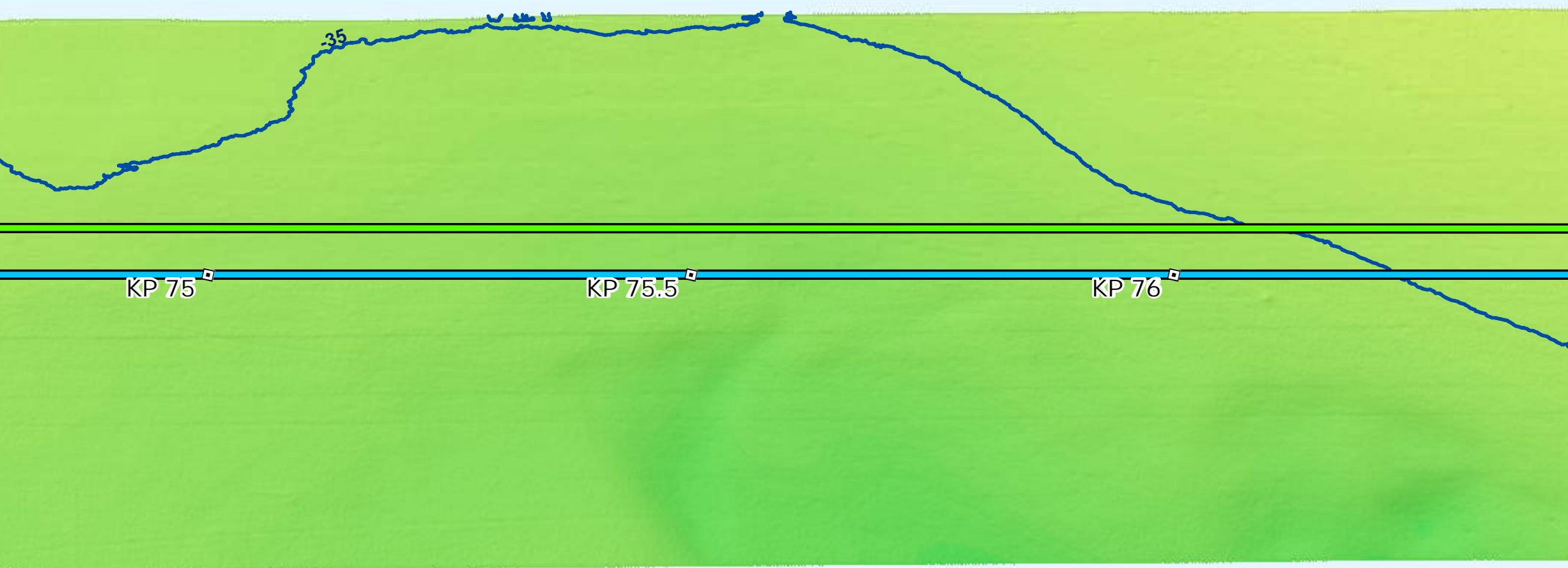
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 54

BW1 (NY) - KP 73.5 - KP 74.5  
BW2 (NY) - KP 73.5 - KP 74.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



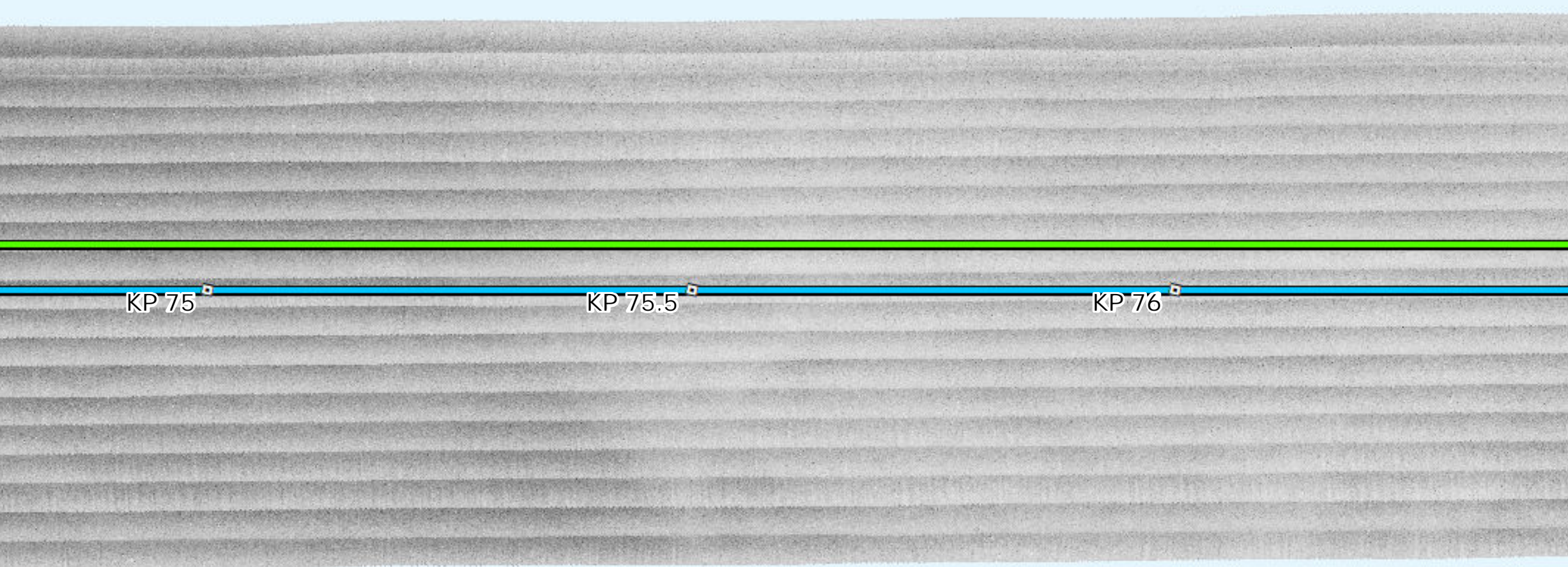
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



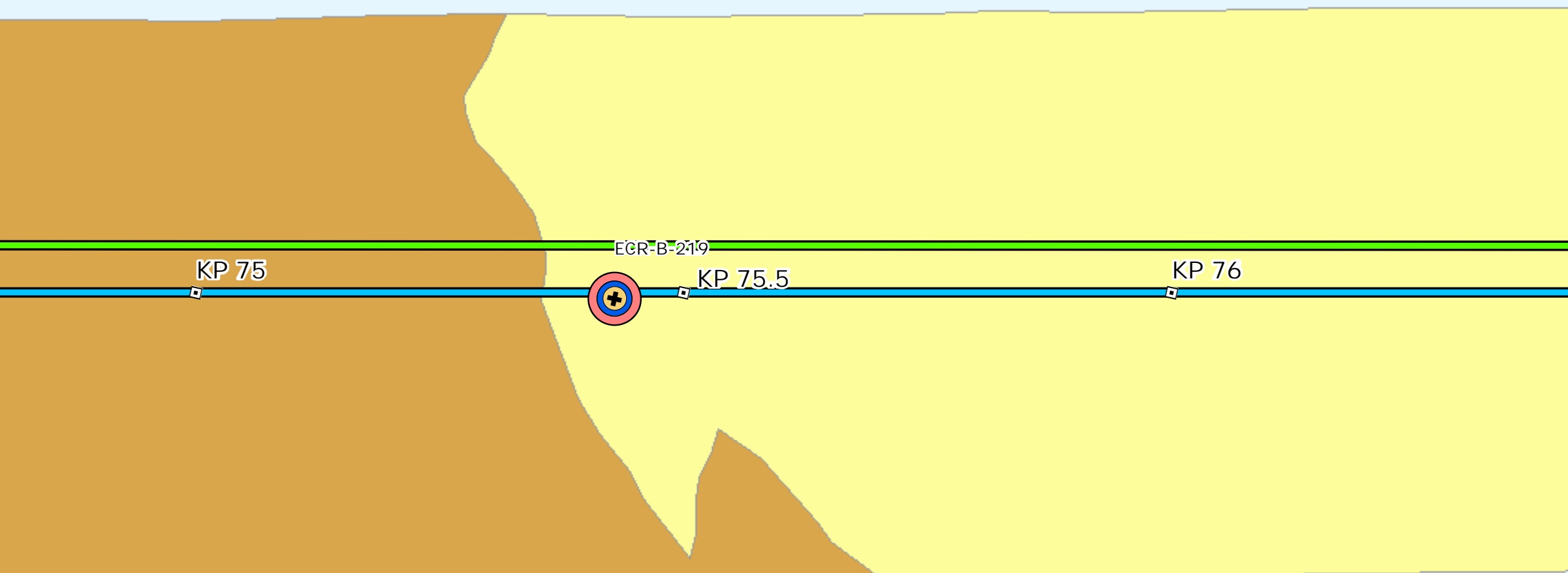
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

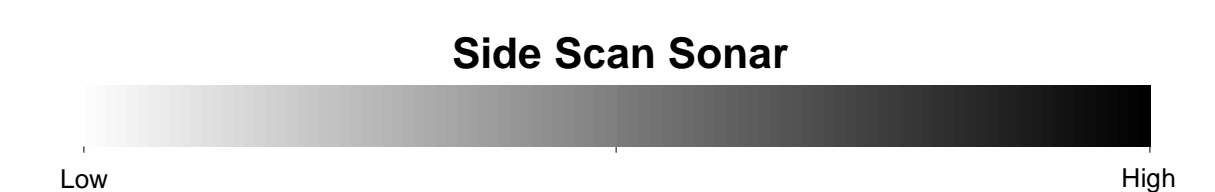
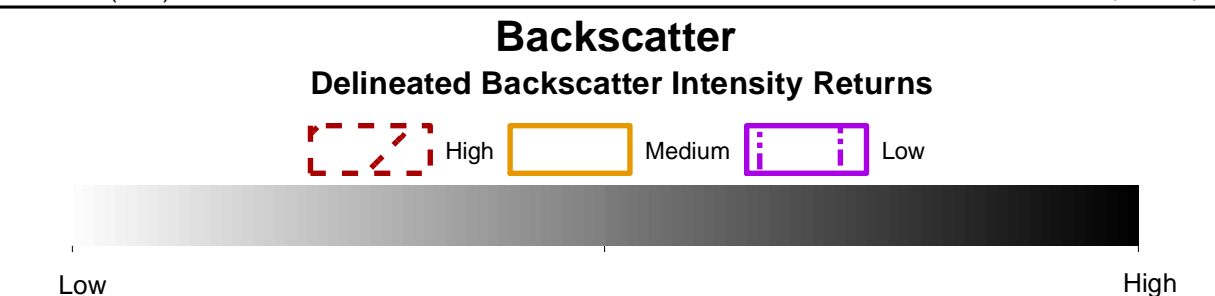
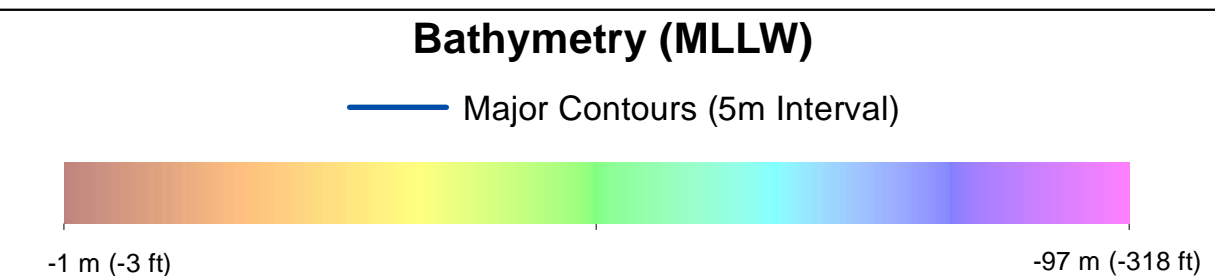
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



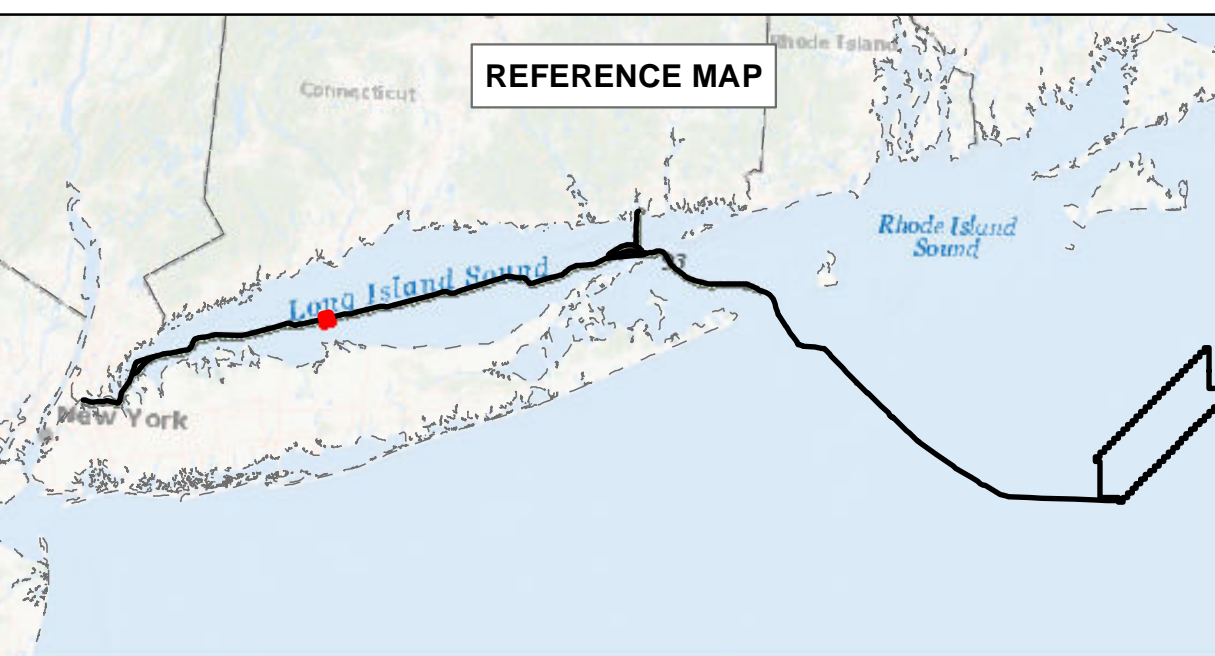
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - + Grab and Video
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Muddy Sand
  - CMECS Geofom**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Sand and Muddy Sand/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

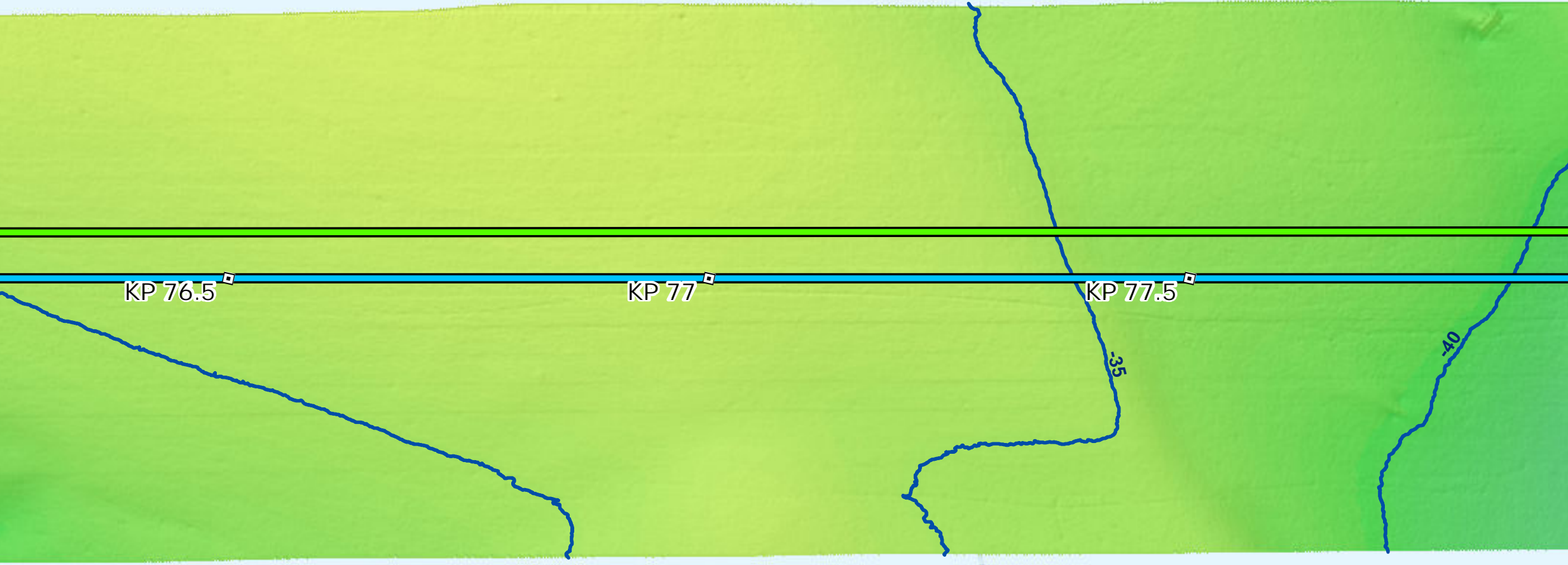
#### Tile 55

BW1 (NY) - KP 75 - KP 76  
BW2 (NY) - KP 75 - KP 76  
BW2 (CT) - N/A



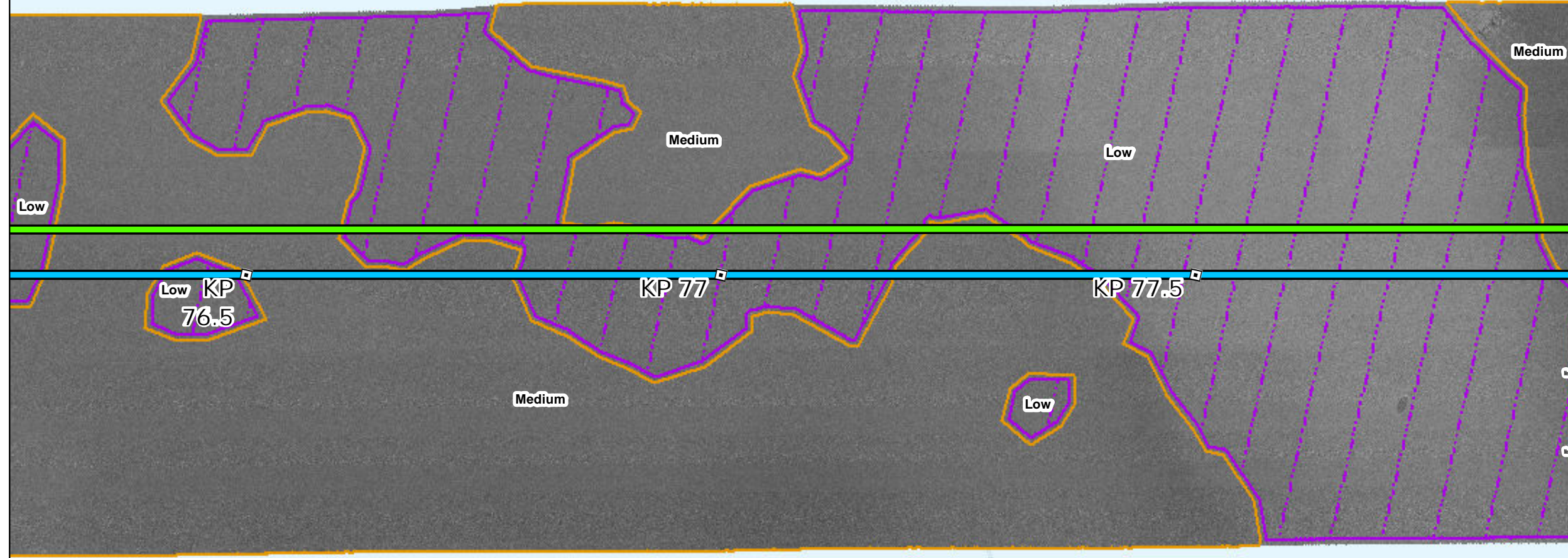
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



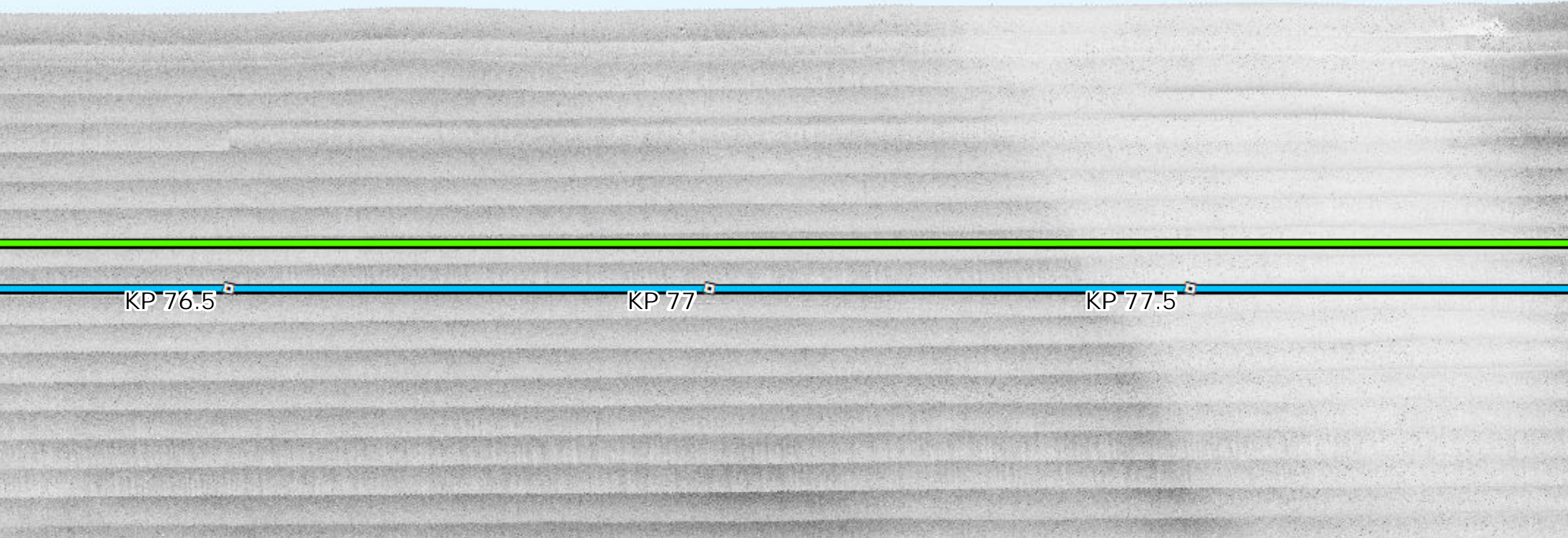
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



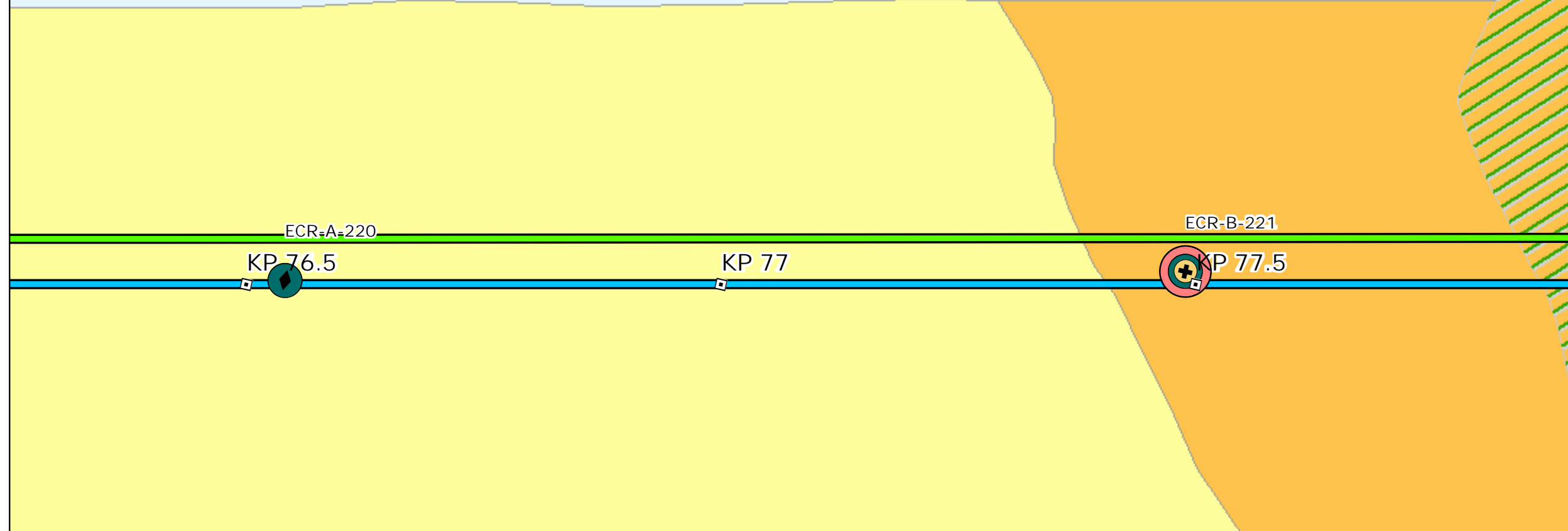
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

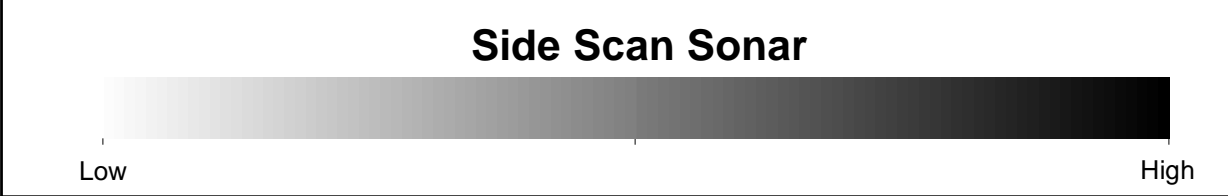
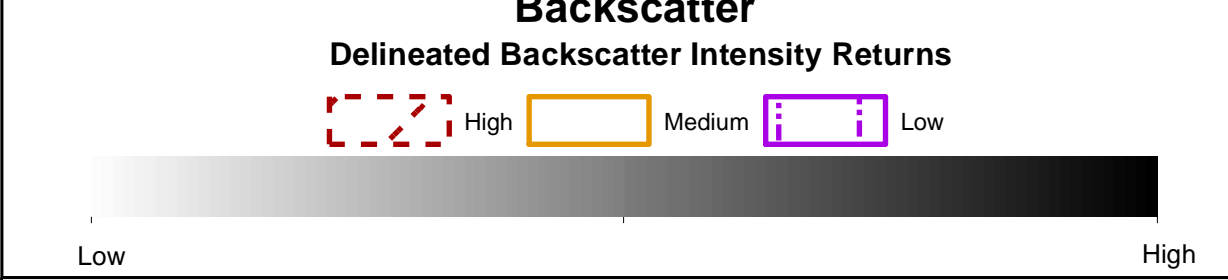
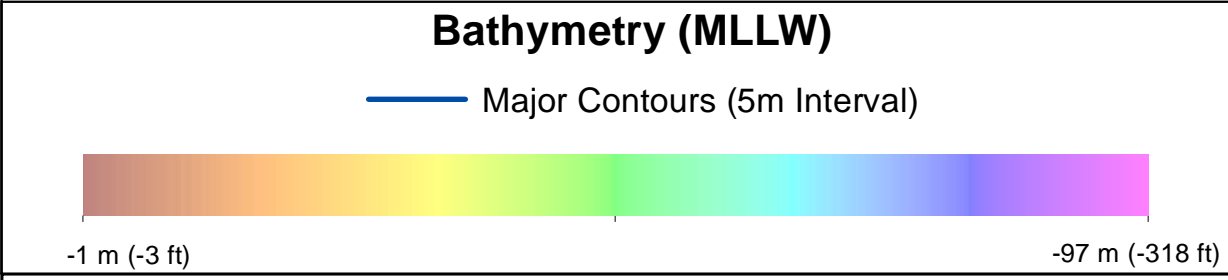
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



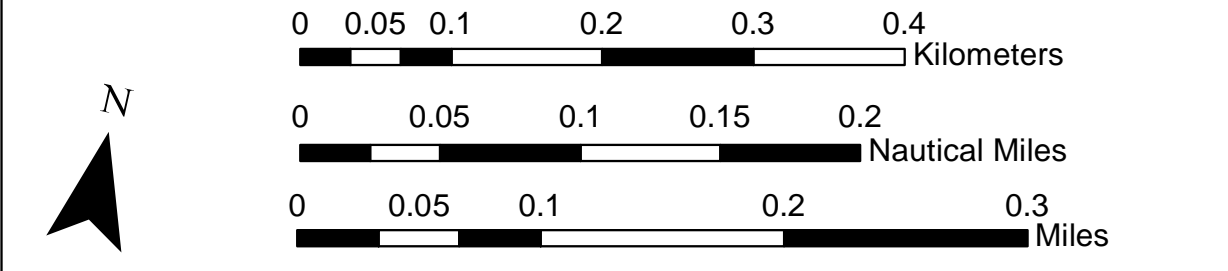
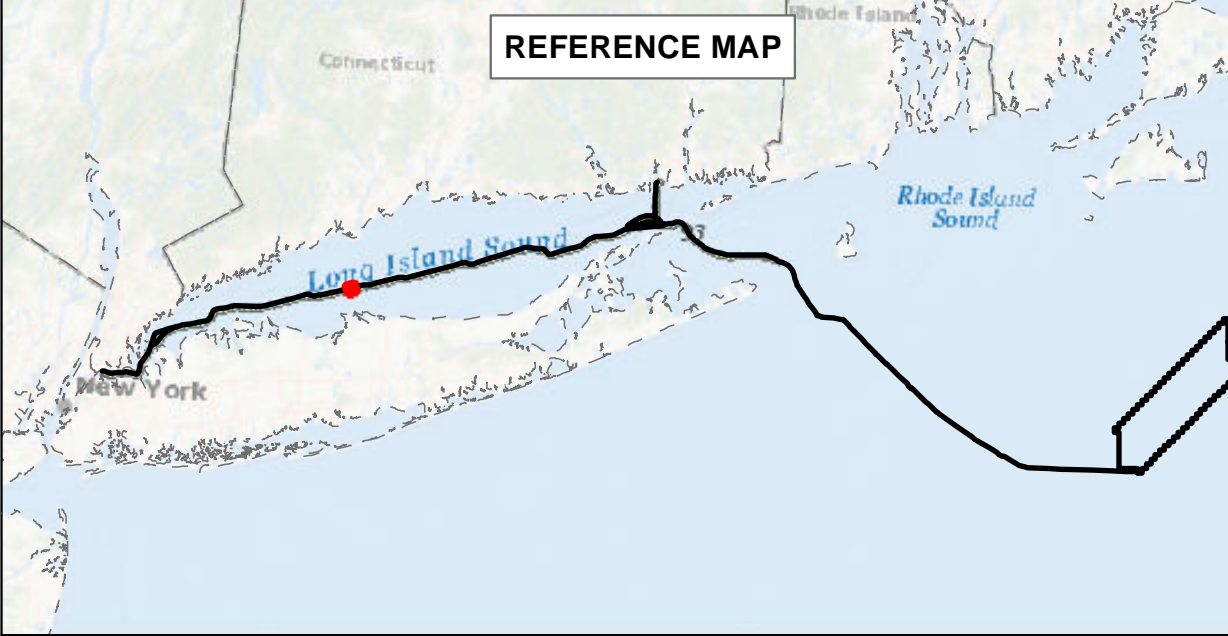
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
    - SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Sandy Mud
  - CMECS Geoform**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat**
  - Occasional Boulders/Large Grained Complex Habitat**

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

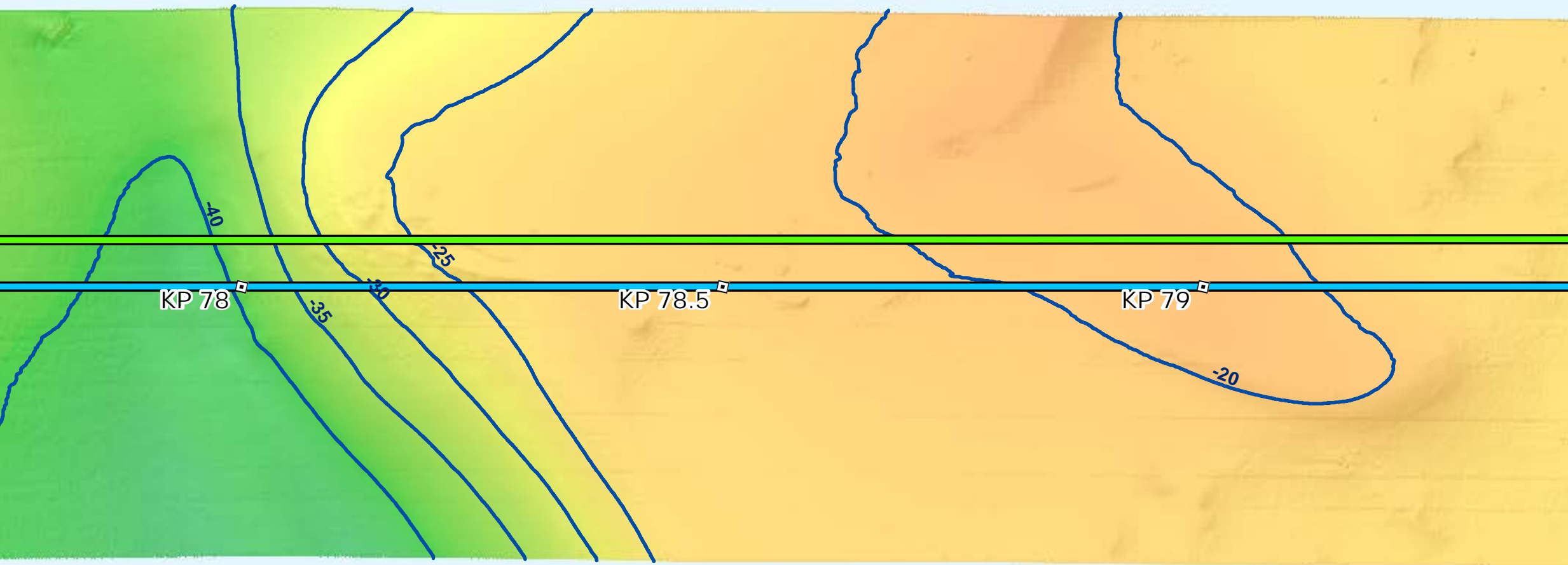
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 56

BW1 (NY) - KP 76.5 - KP 77.5  
BW2 (NY) - KP 76.5 - KP 77.5  
BW2 (CT) - N/A



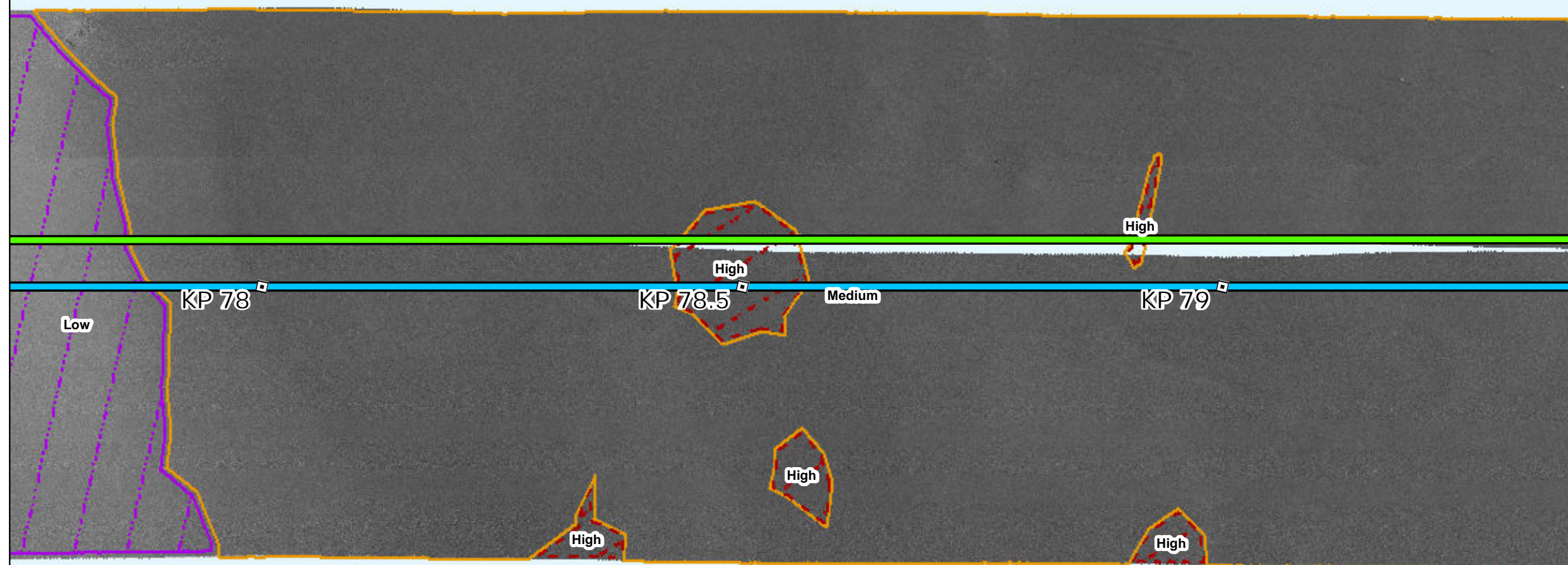
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



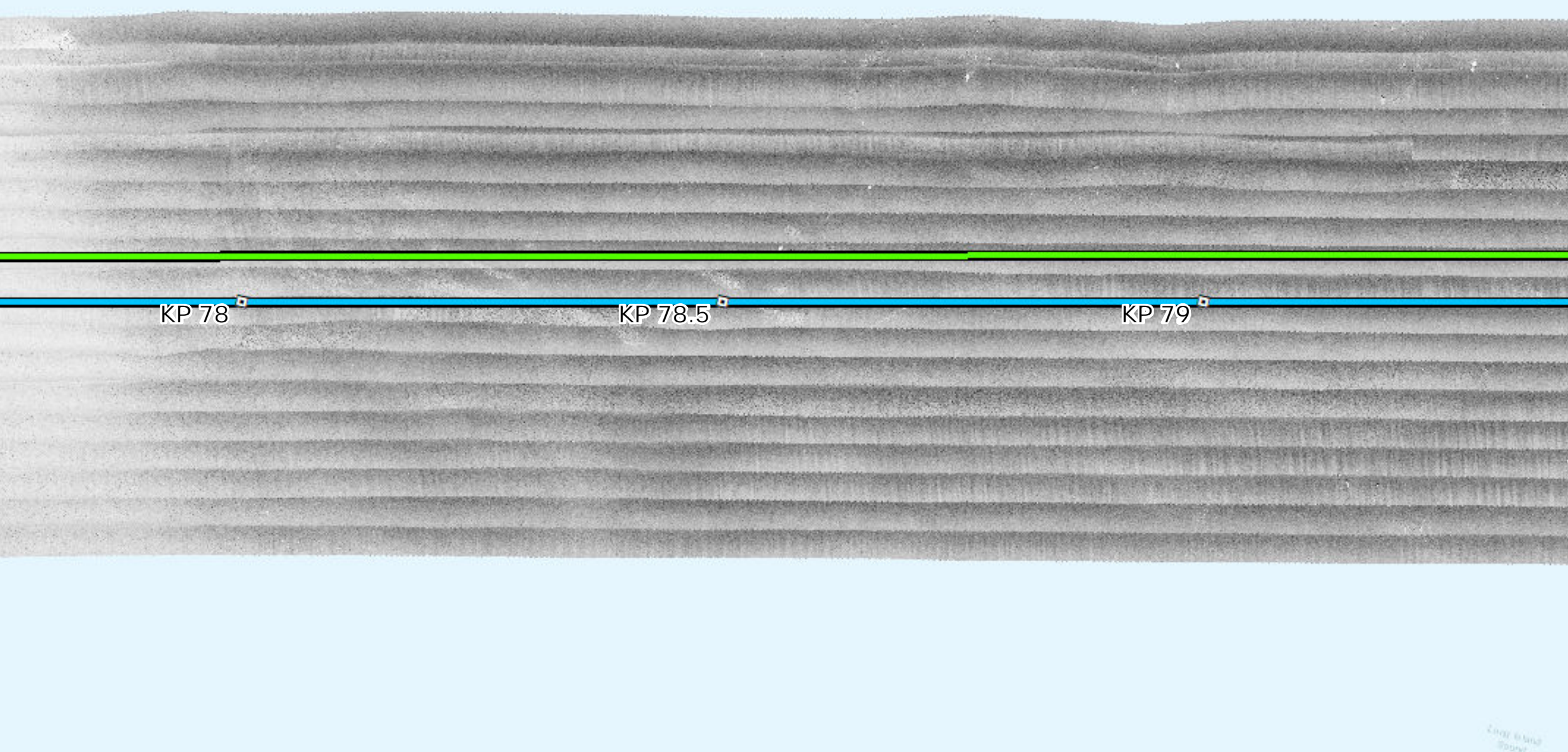
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



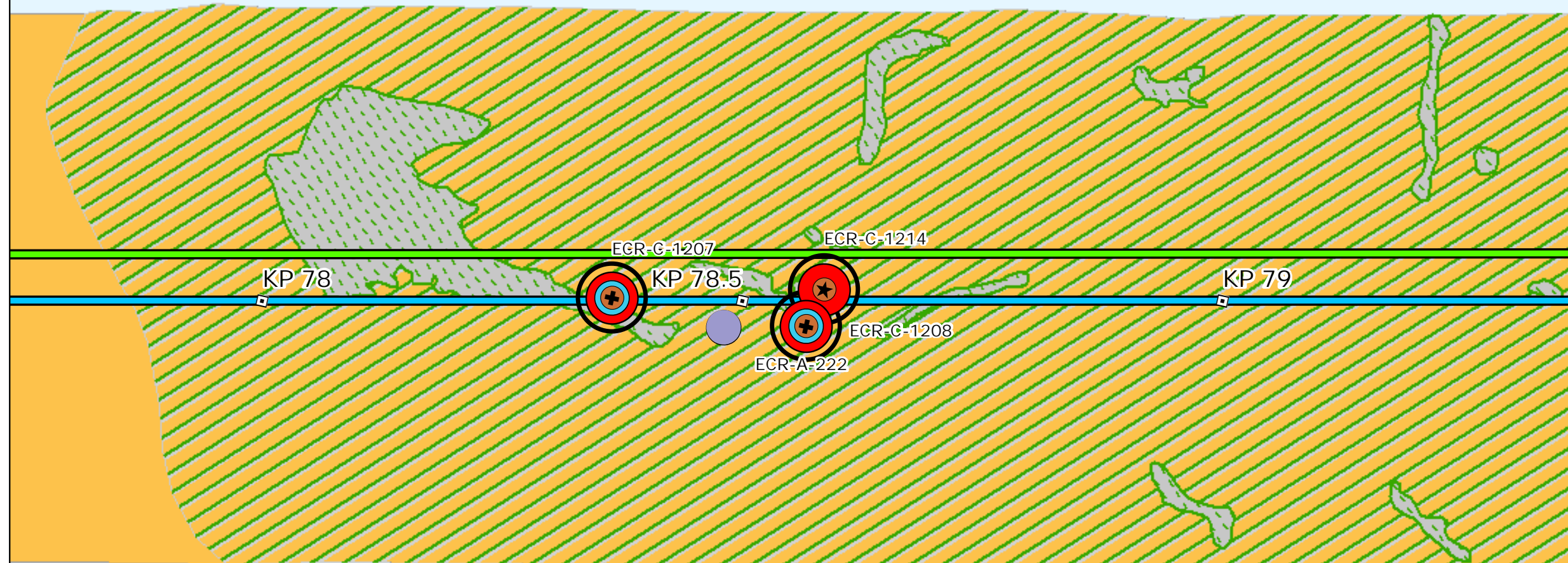
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

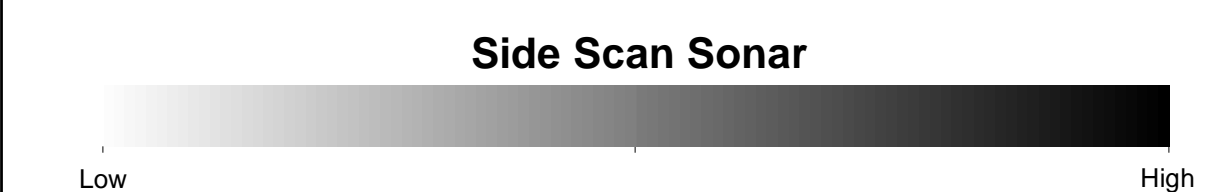
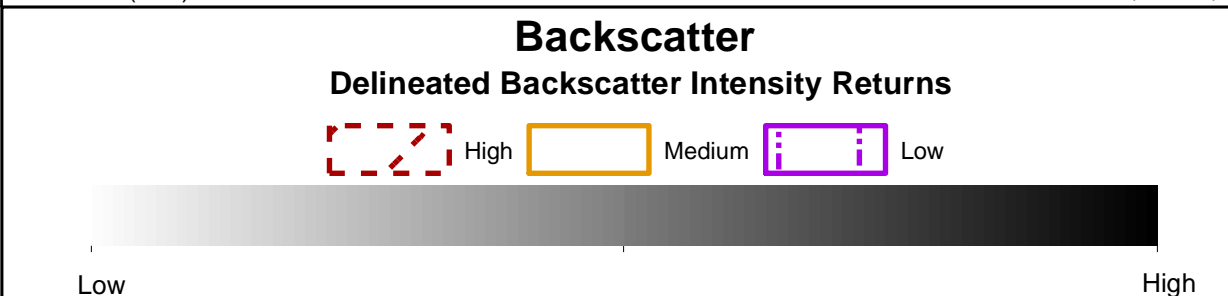
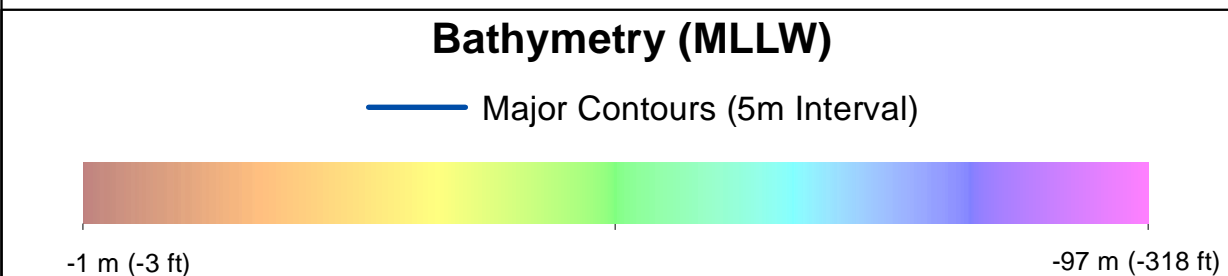
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



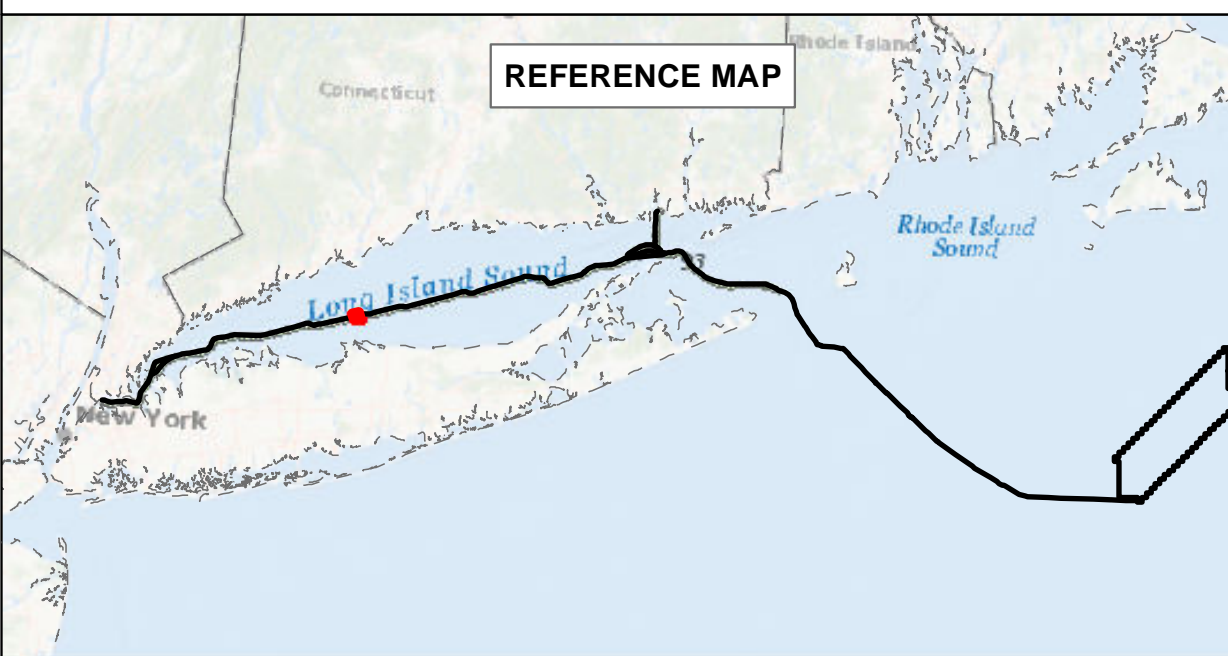
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | Mixed Sediment/Complex Habitat                                   |
| ◆ SPI/PV               | Till/Complex Habitat   |
| ★ Video                | Numerous Boulders/Large Grained Complex Habitat                  |
| <b>CMECS Biotic</b>    | Occasional Boulders/Large Grained Complex Habitat                |
| ● Large Macrofauna     |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly             |  |
| ● Gravelly Muddy Sand  |  |
| <b>CMECS Geofom</b>    |  |
| ● Boulder Field        |  |
| ○ Northern Star Coral  |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

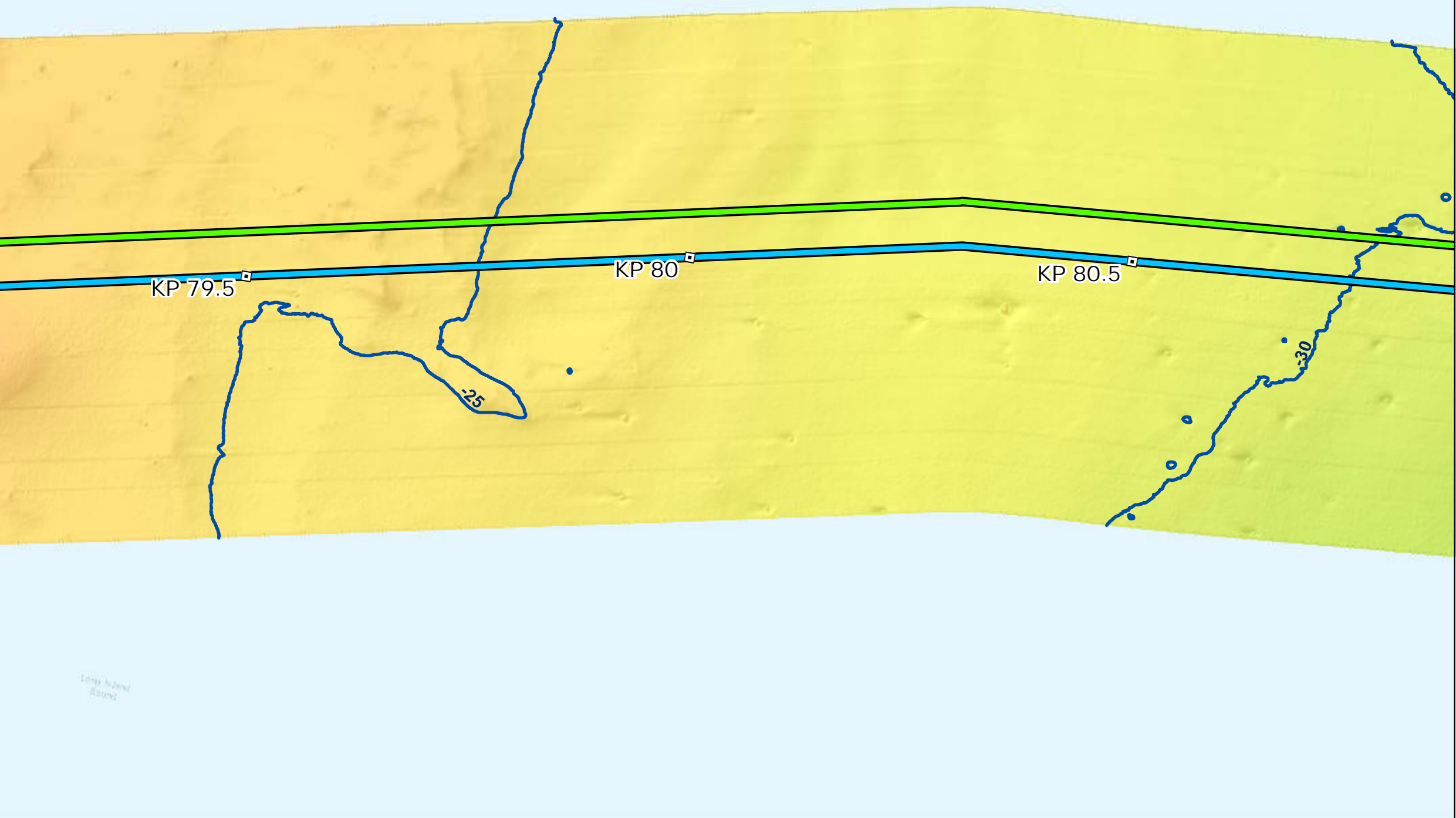
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 57

BW1 (NY) - KP 78 - KP 79  
BW2 (NY) - KP 78 - KP 79  
BW2 (CT) - N/A



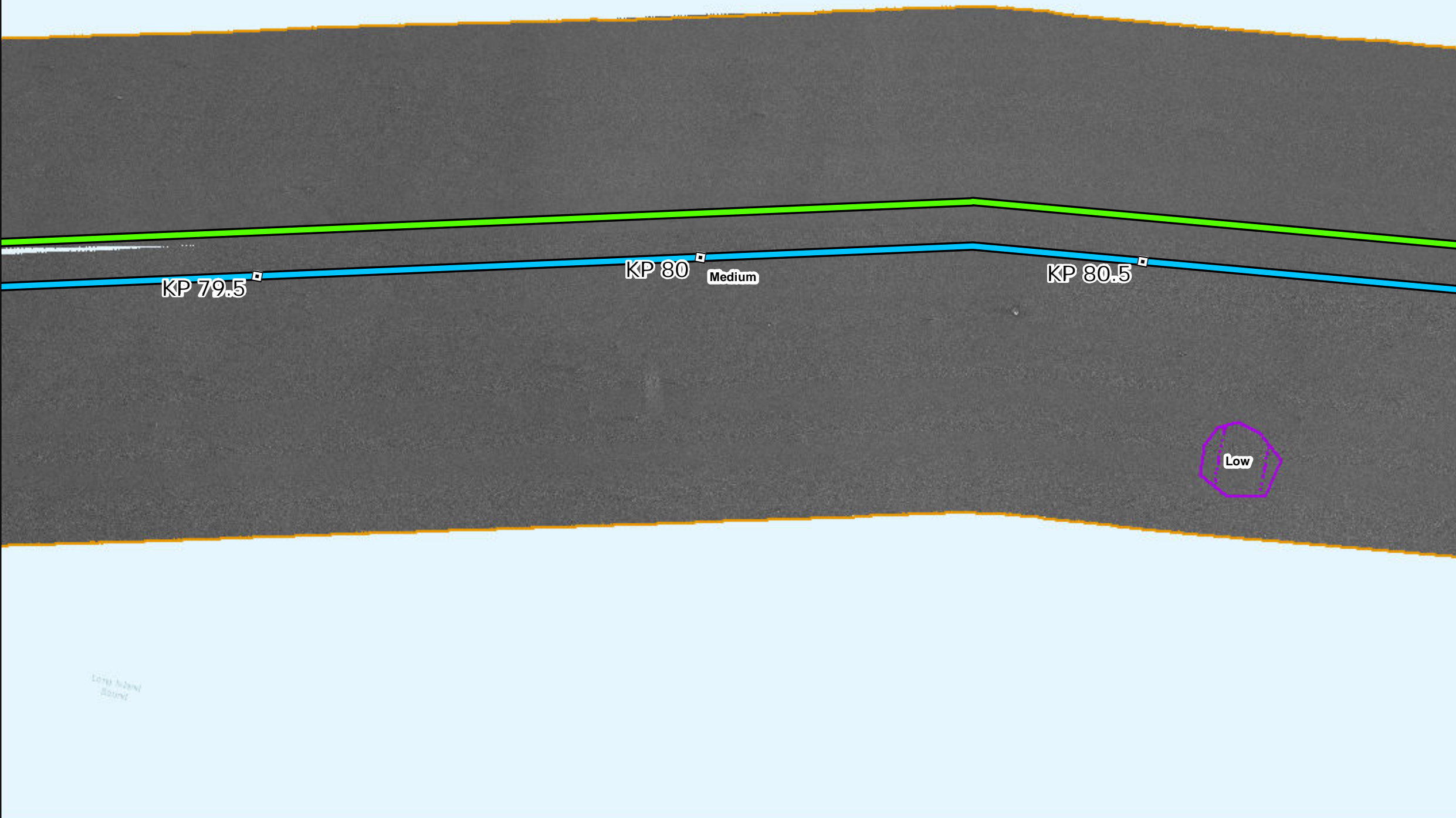
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



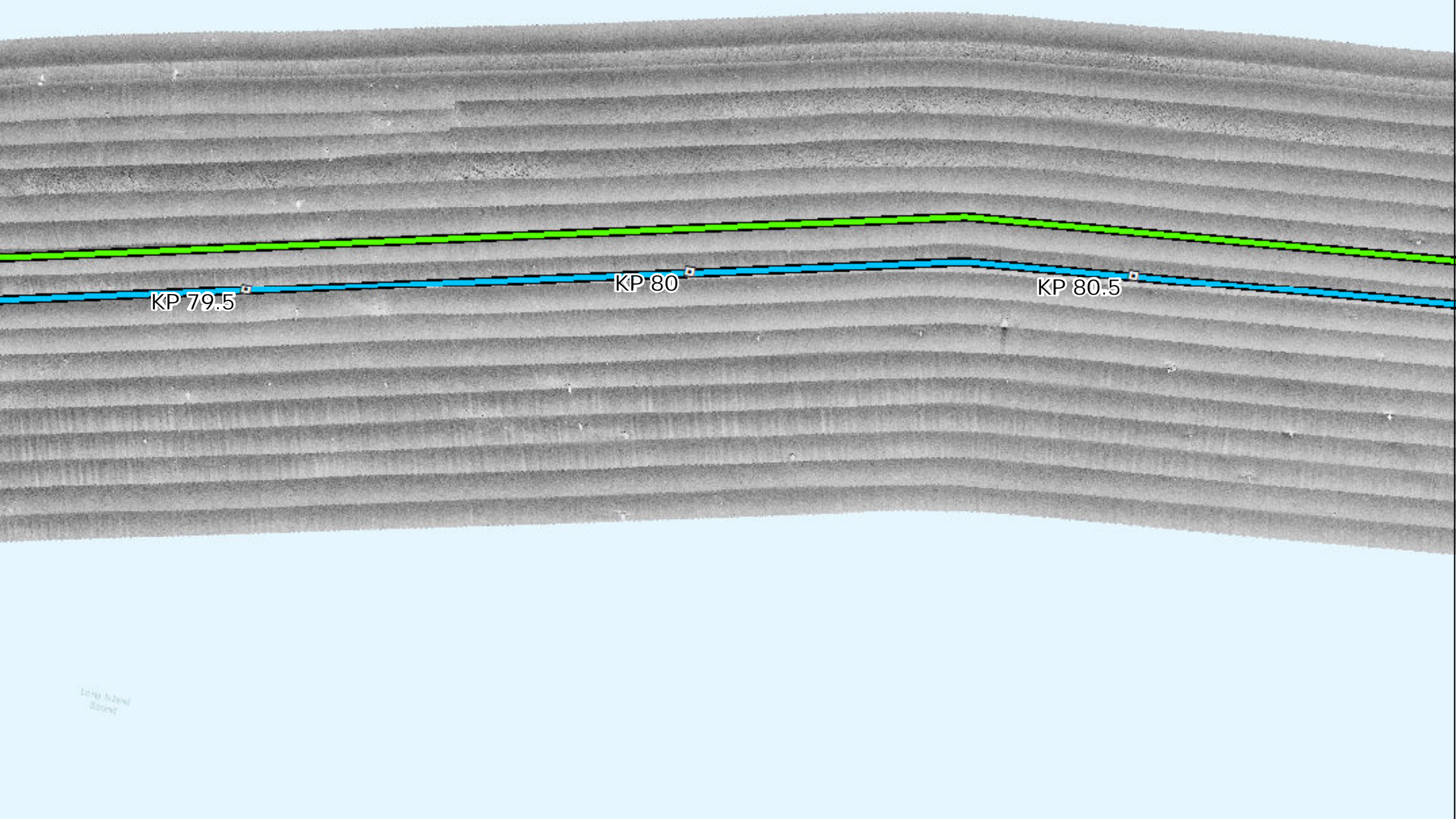
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



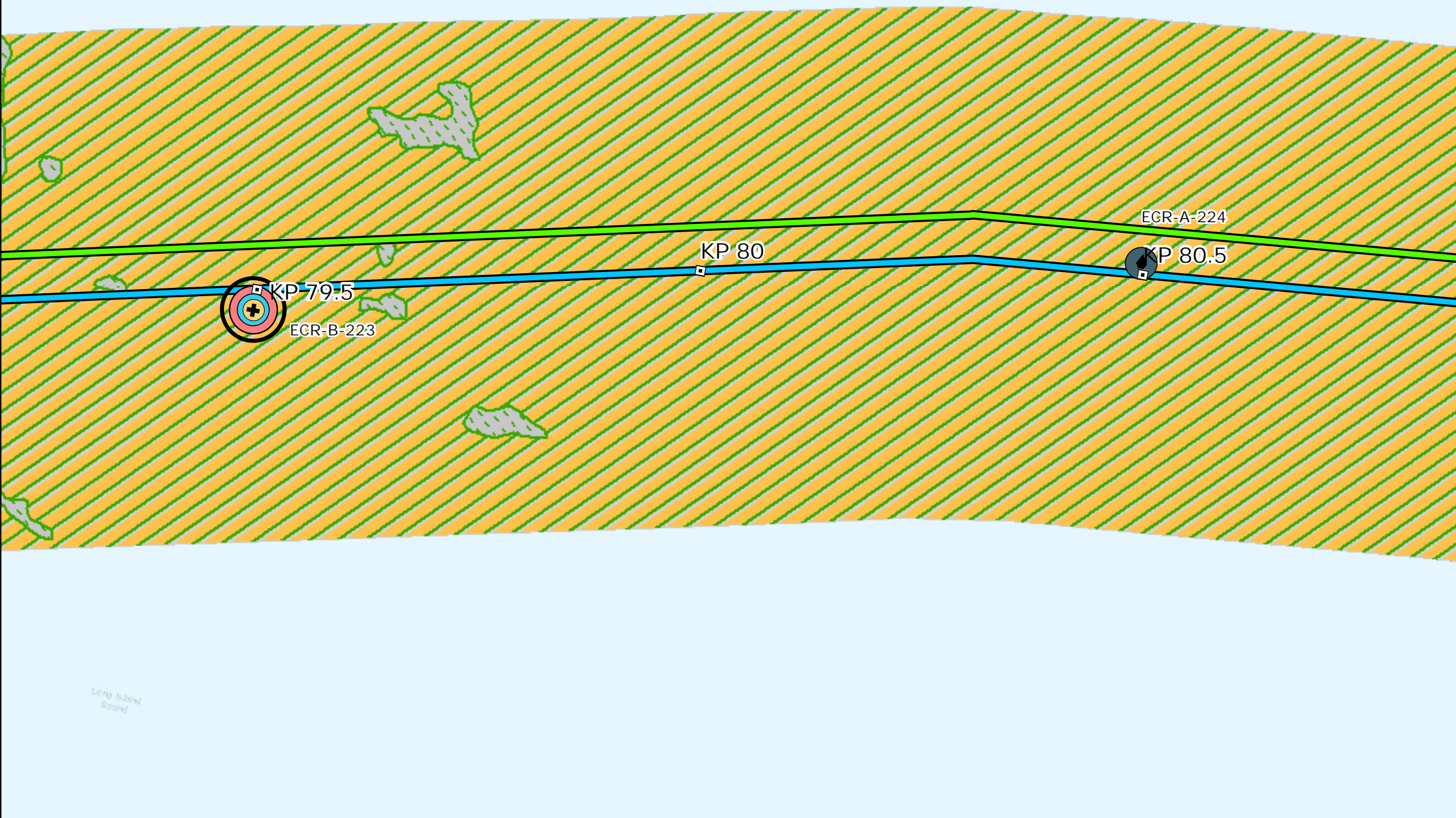
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

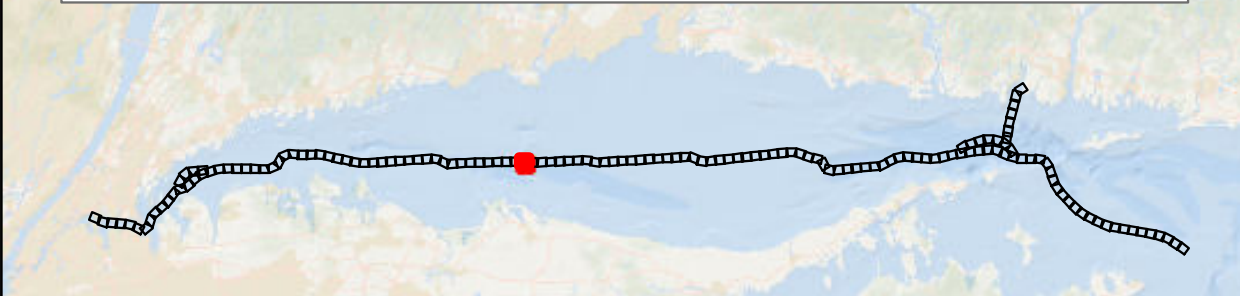


### Interpreted Seabed Sediment/NMFS Habitat Characterization

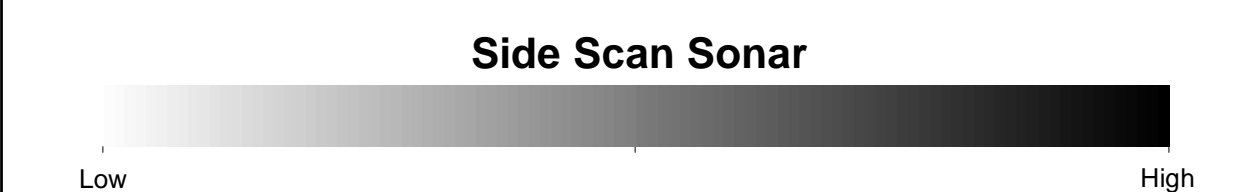
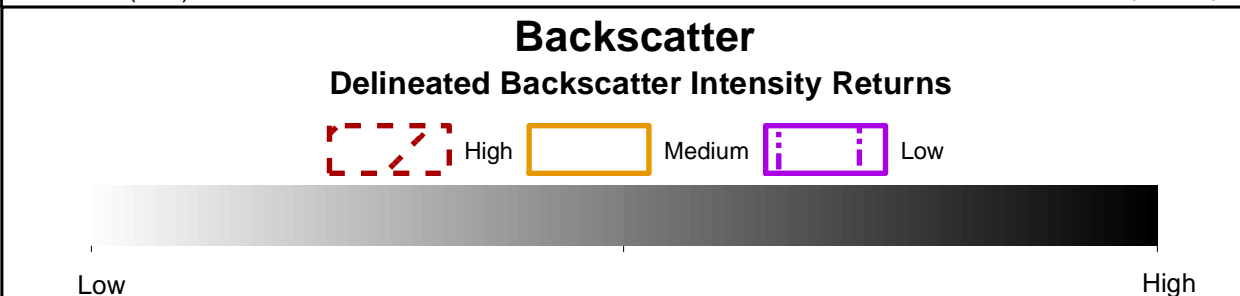
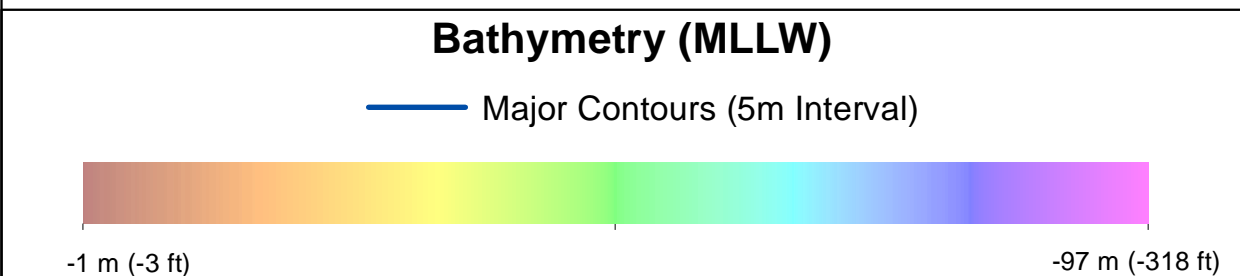
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



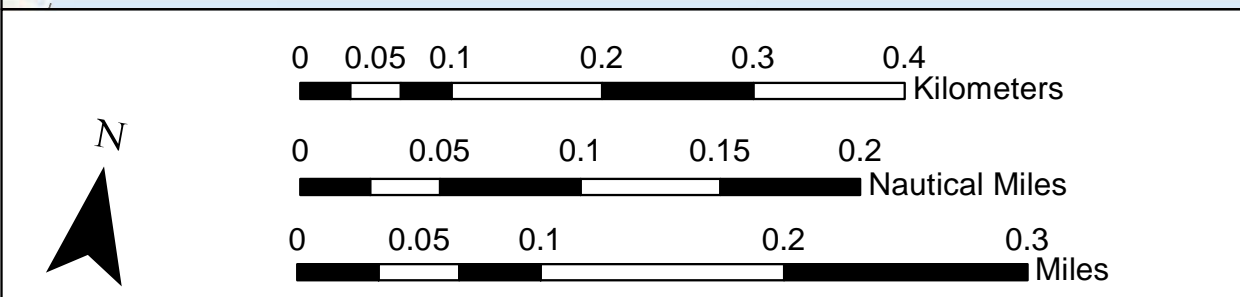
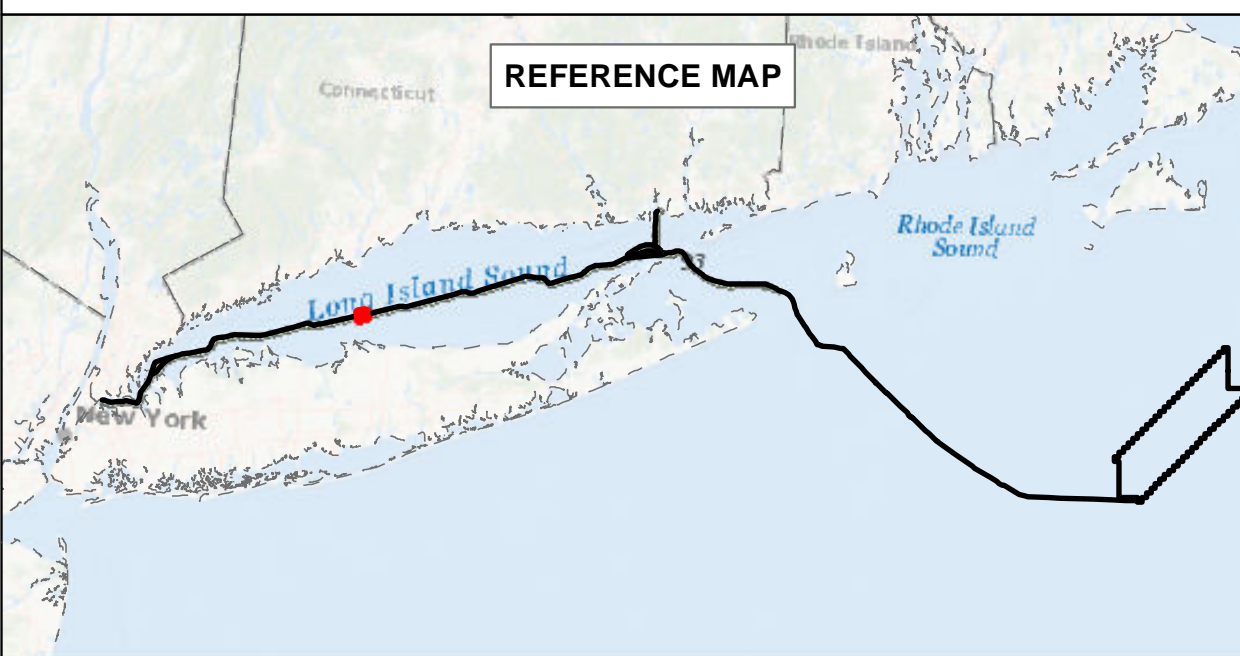
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               | ■ Till/Complex Habitat   |
| <b>CMECS Biotic</b>    | ■ Numerous Boulders/Large Grained Complex Habitat                |
| ● Soft Sediment Fauna  | ■ Occasional Boulders/Large Grained Complex Habitat              |
| <b>CMECS Substrate</b> | ■ Occasional Boulders/Large Grained Complex Habitat              |
| ● Gravelly Muddy Sand  |  |
| ● Sand                 |  |
| <b>CMECS Geoform</b>   |  |
| ● Burrows/Bioturbation |  |
| ○ Northern Star Coral  |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

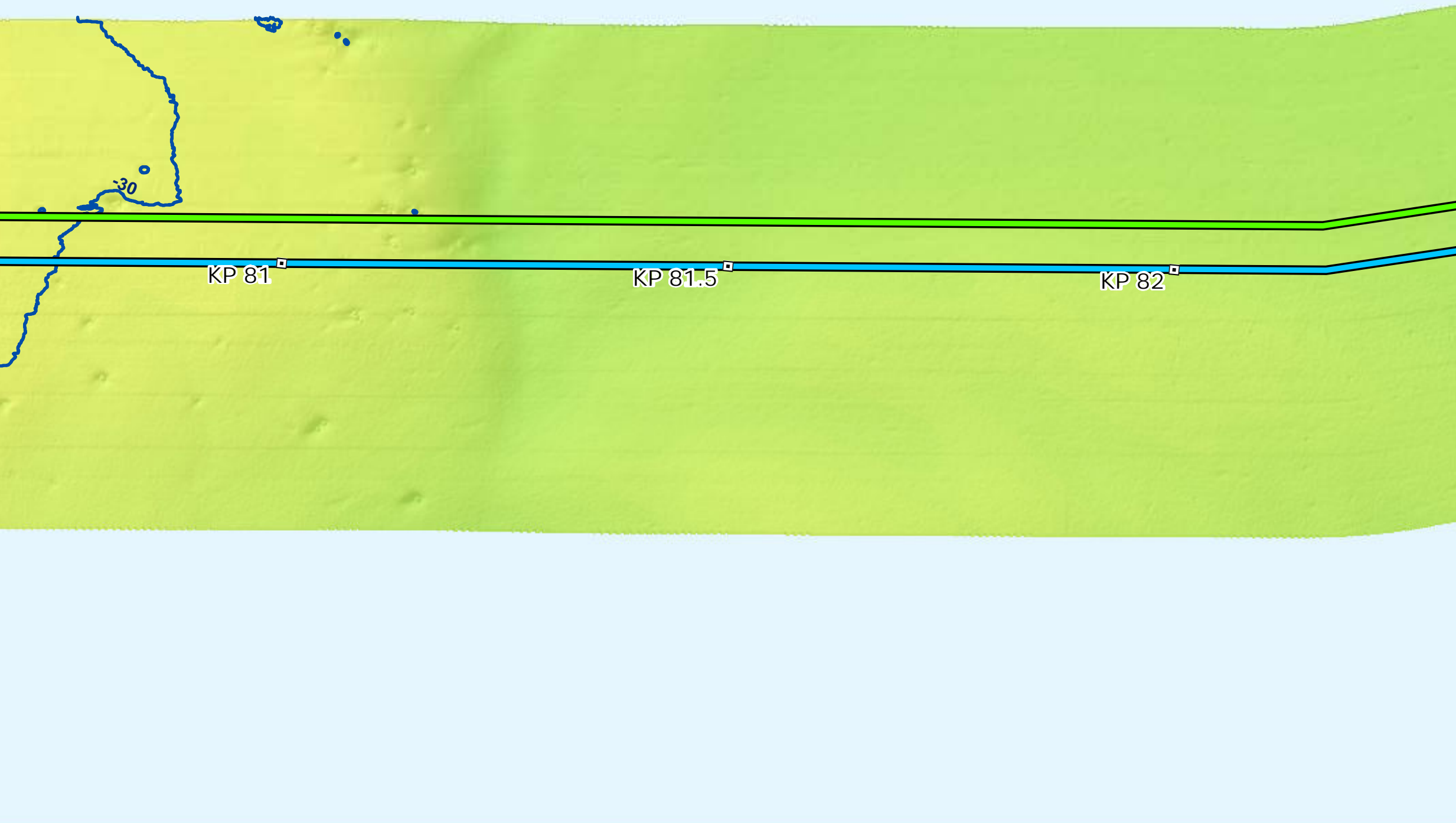
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 58

BW1 (NY) - KP 79.5 - KP 80.5  
BW2 (NY) - KP 79.5 - KP 80.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



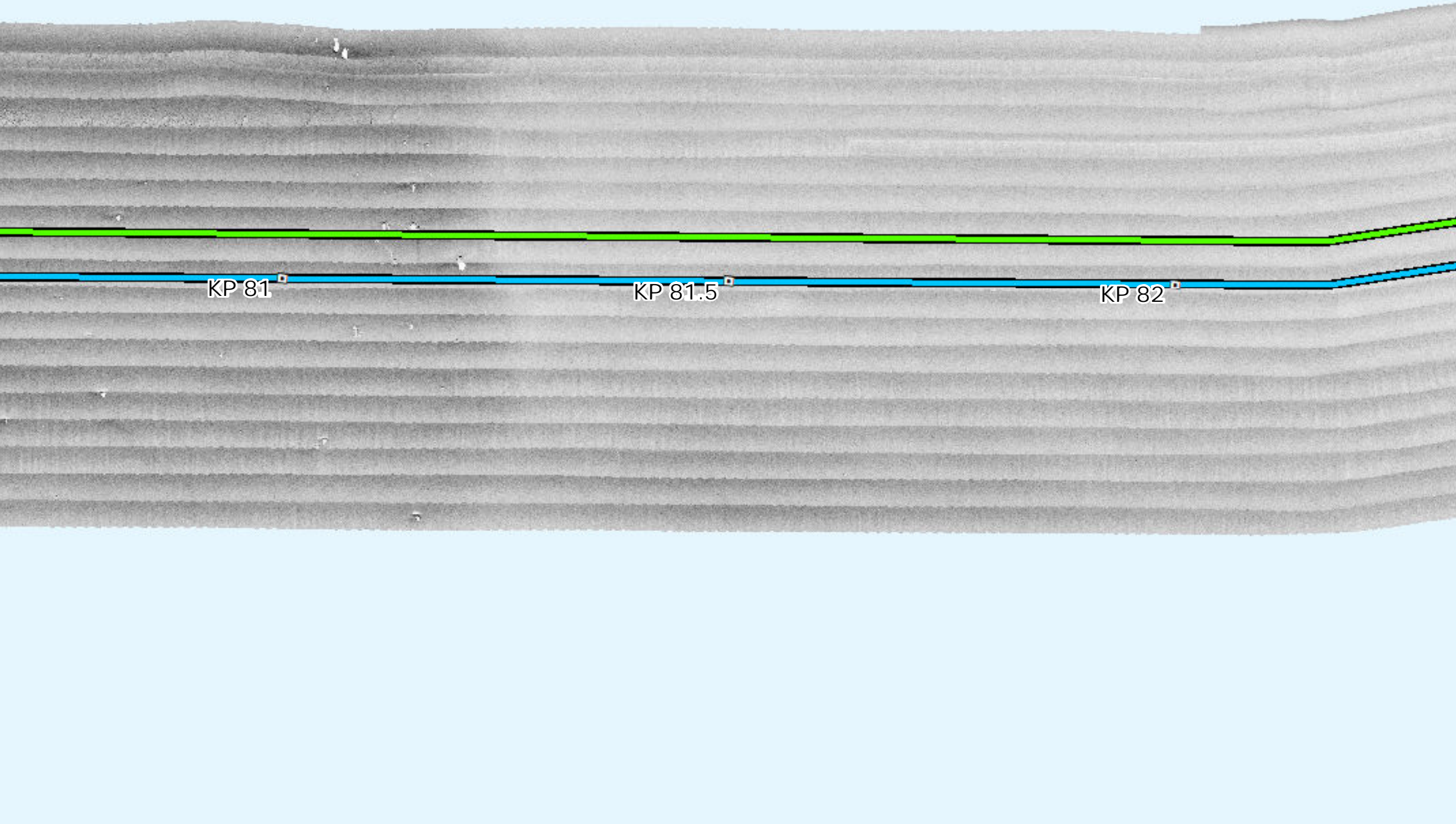
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



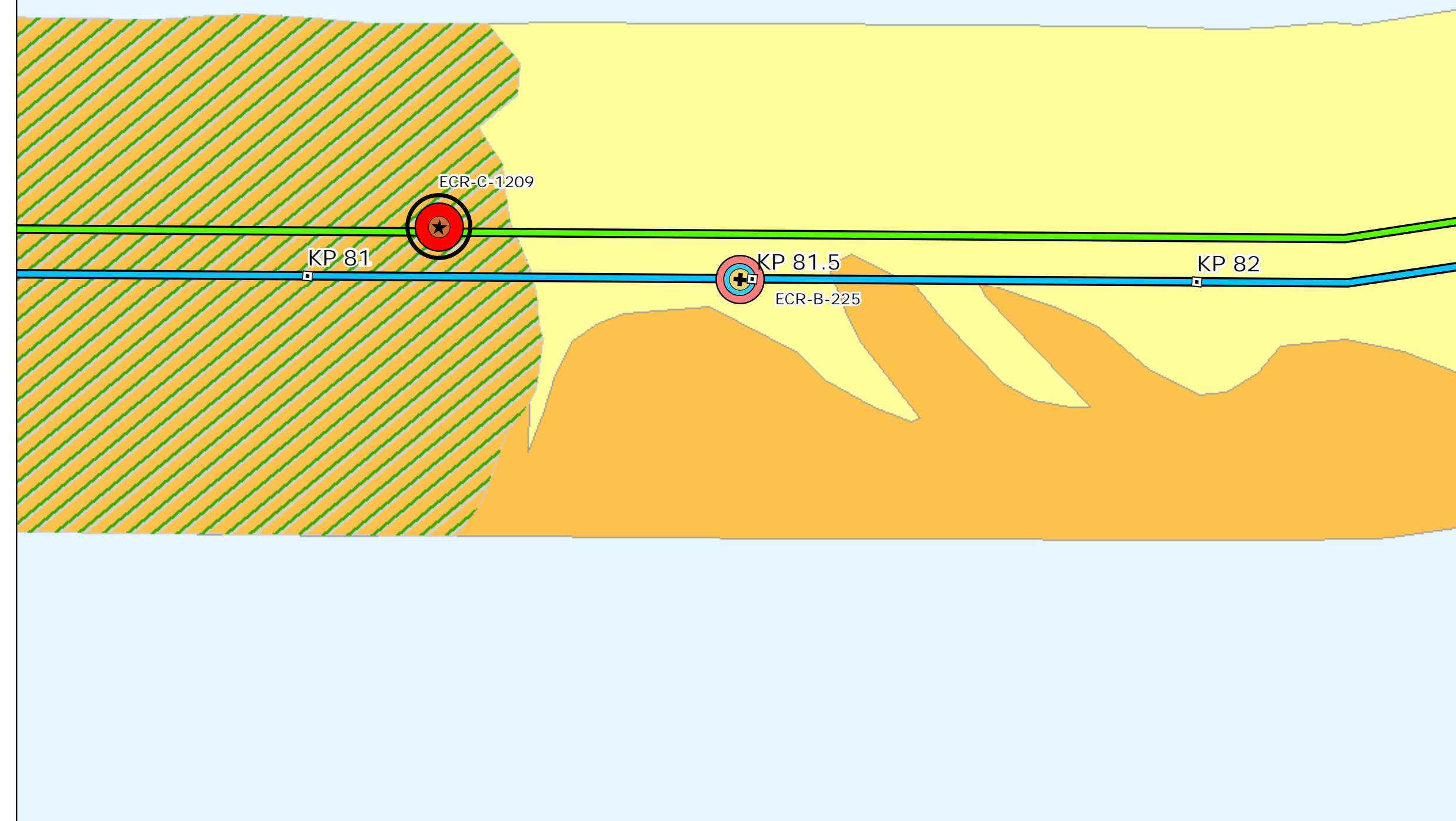
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

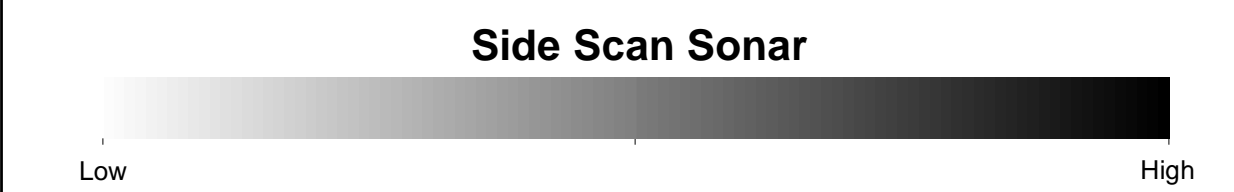
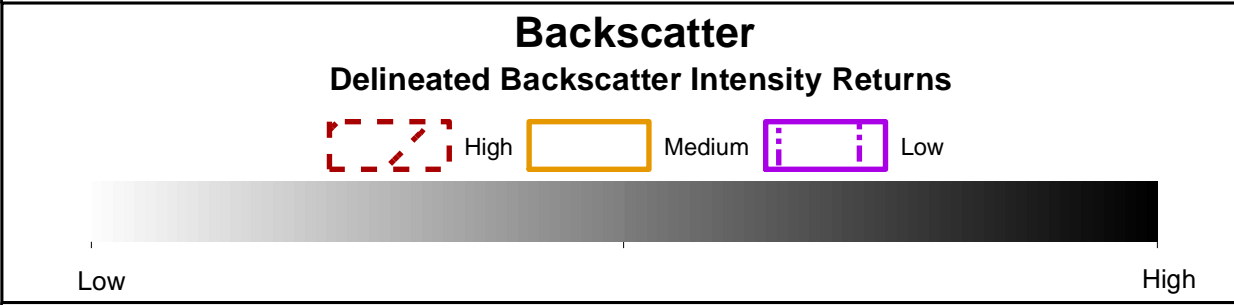
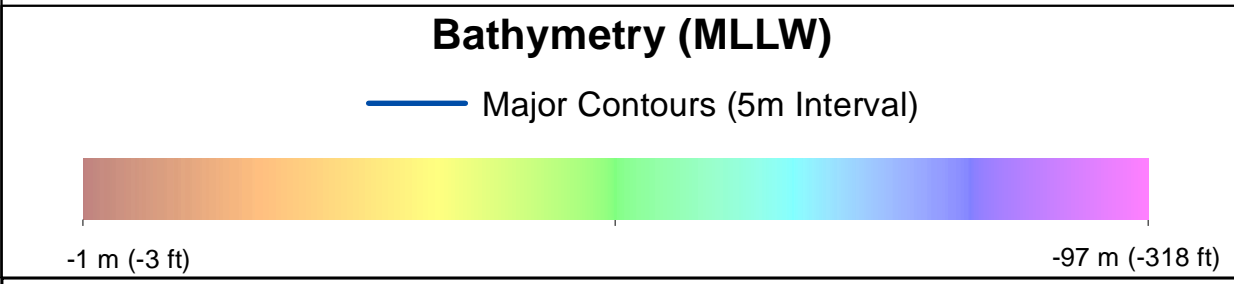
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



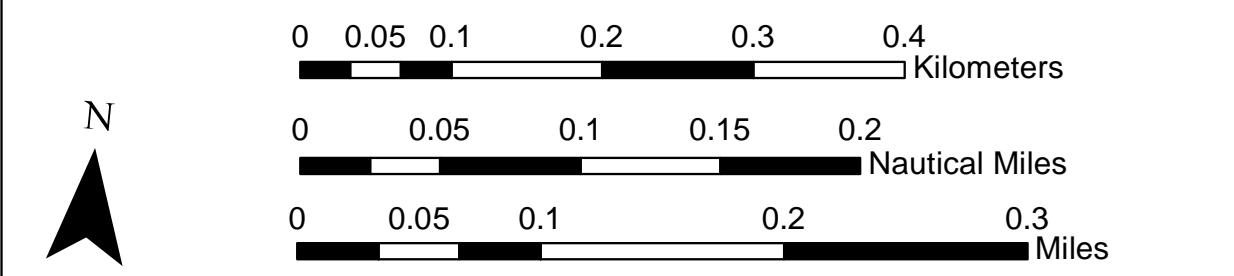
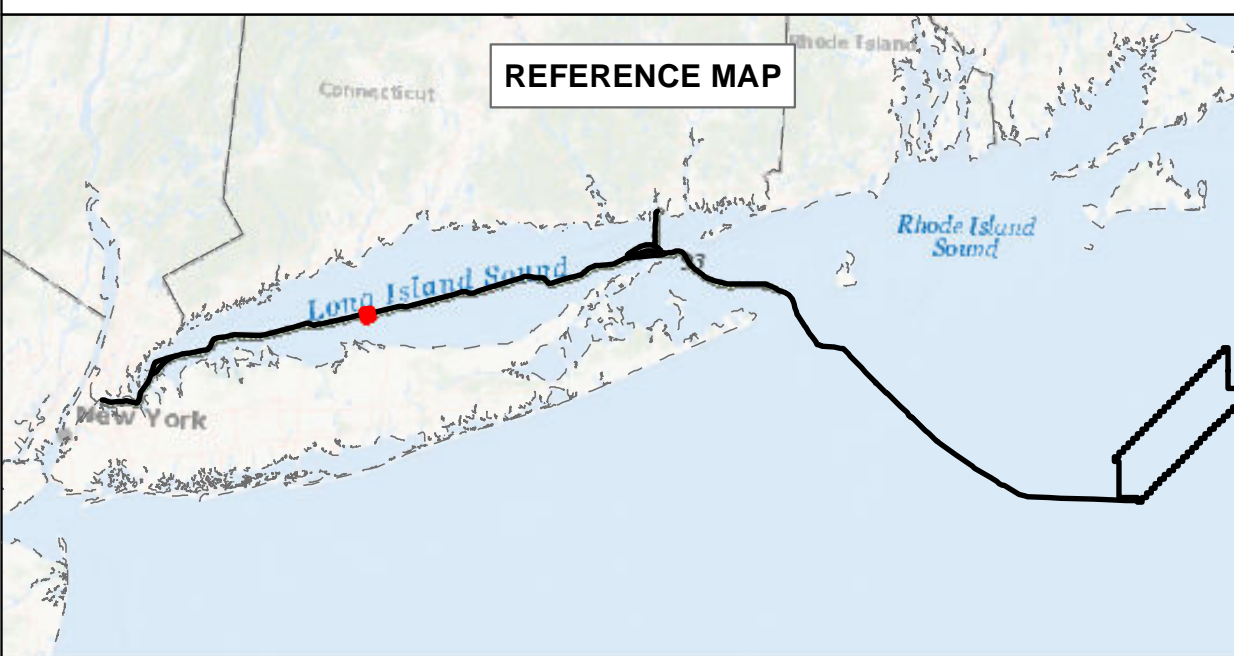
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ✚ Grab and Video
  - ★ Video
  - Northern Star Coral
- CMECS Biotic**
- Large Macrofauna
  - Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Muddy Sand
- CMECS Geofom**
- Boulder Field
  - Burrows/Bioturbation
  - Occasional Boulders/Large Grained Complex Habitat
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

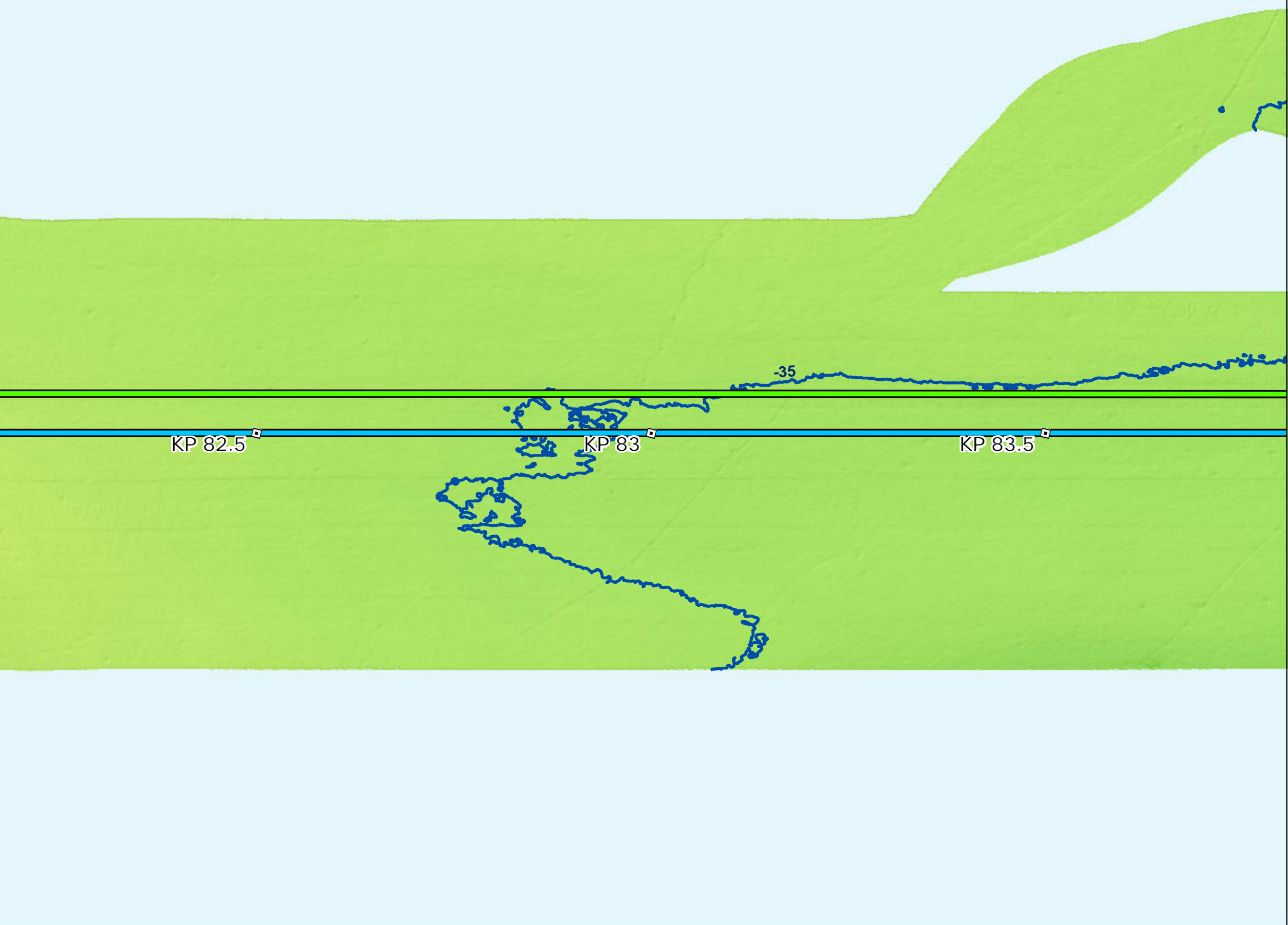
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 59

BW1 (NY) - KP 81 - KP 82  
BW2 (NY) - KP 81 - KP 82  
BW2 (CT) - N/A



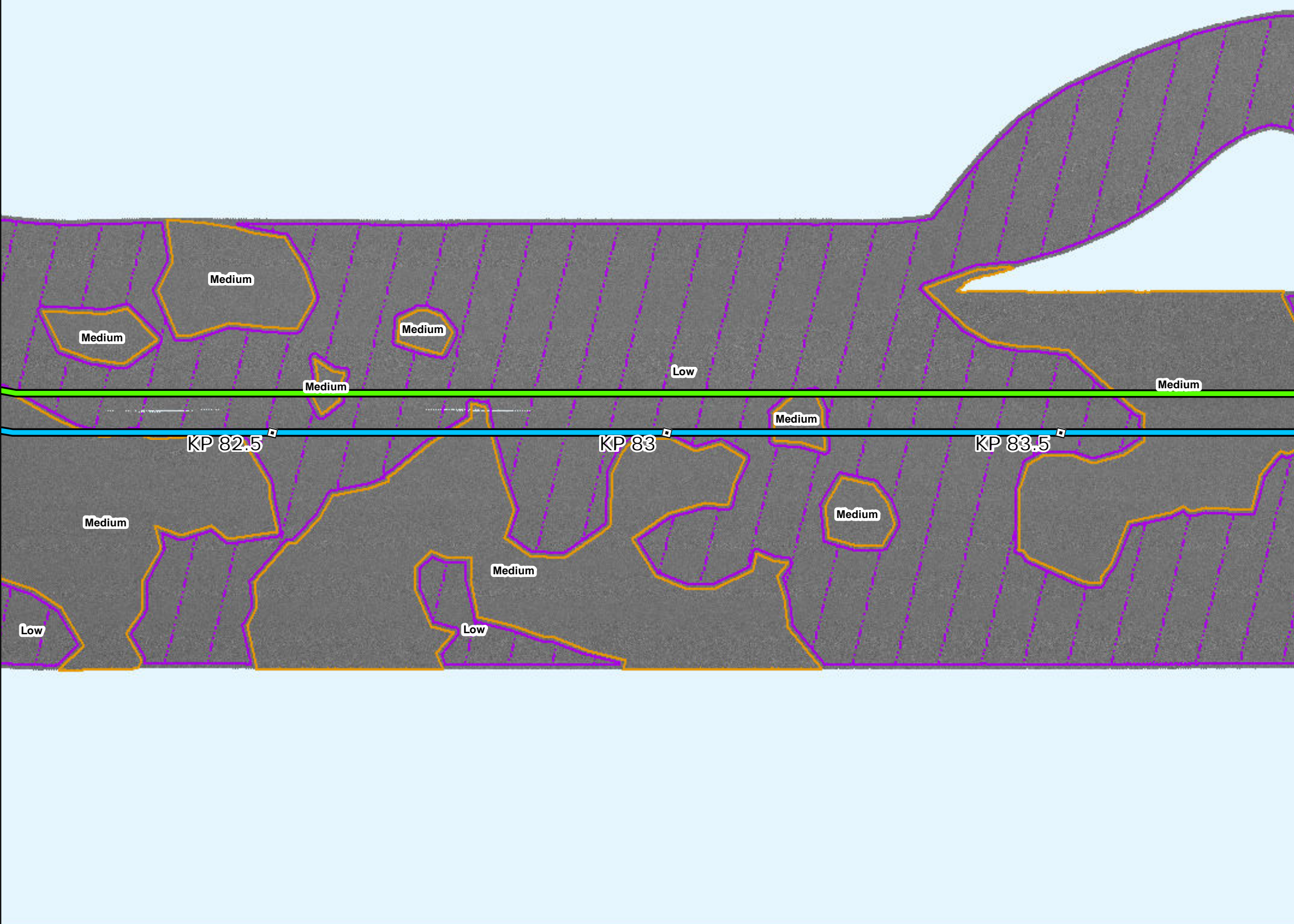
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



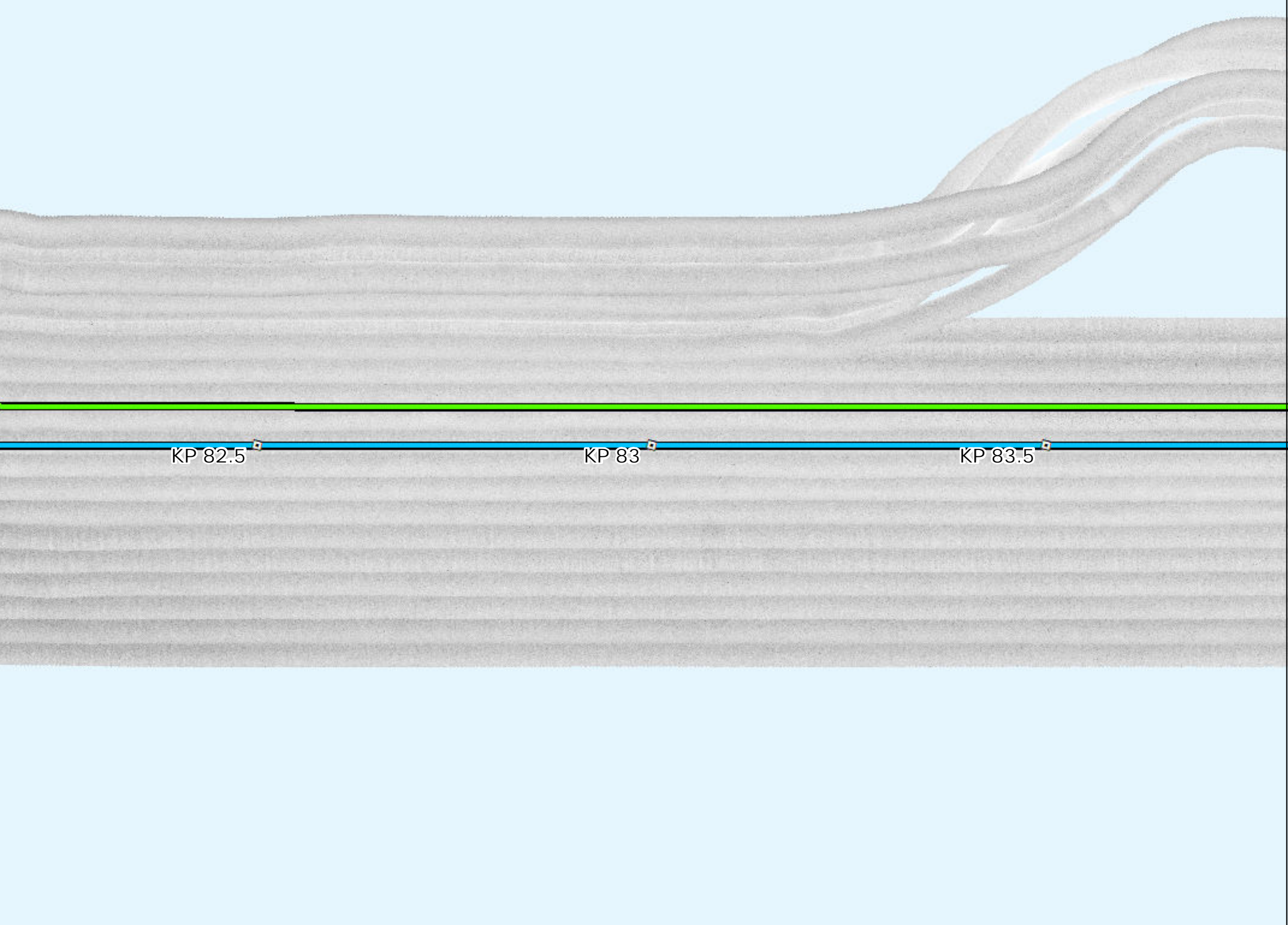
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



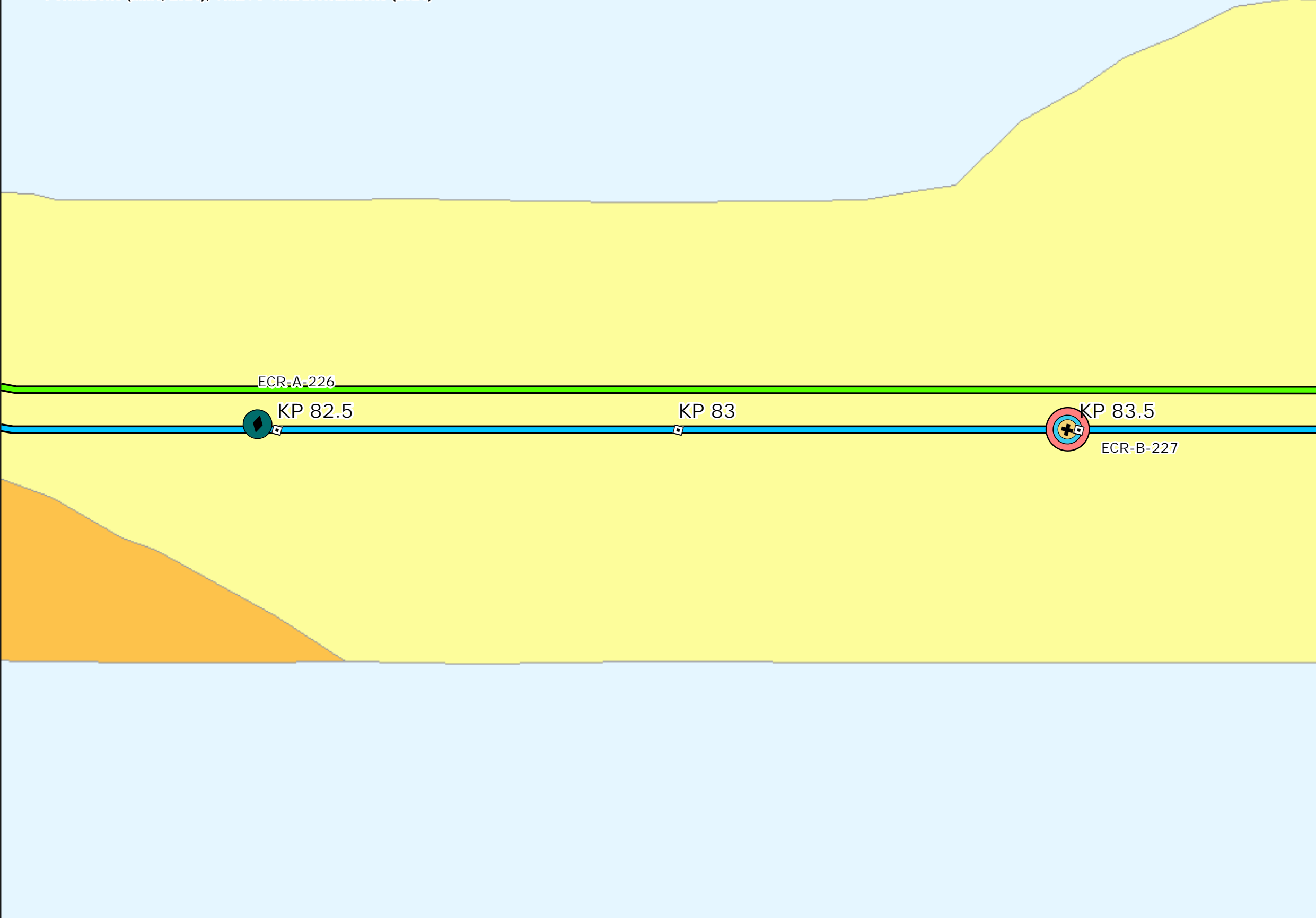
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

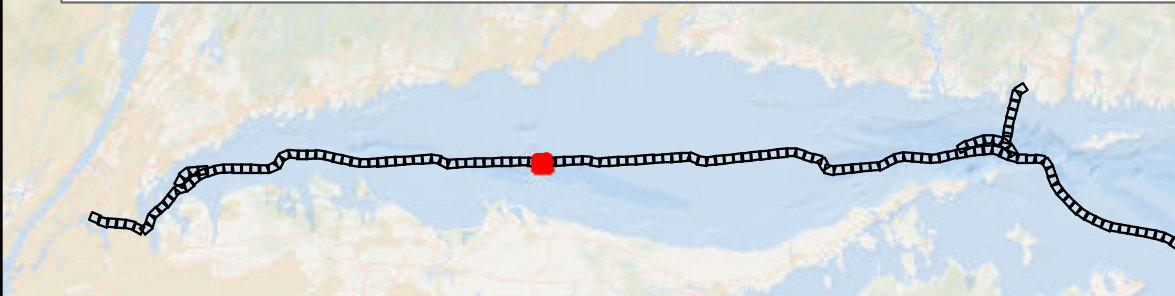


# Interpreted Seabed Sediment/NMFS Habitat Characterization

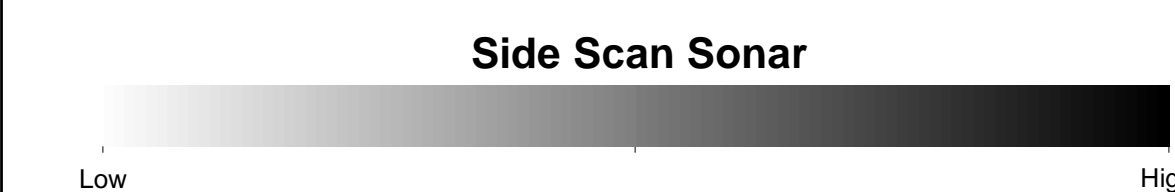
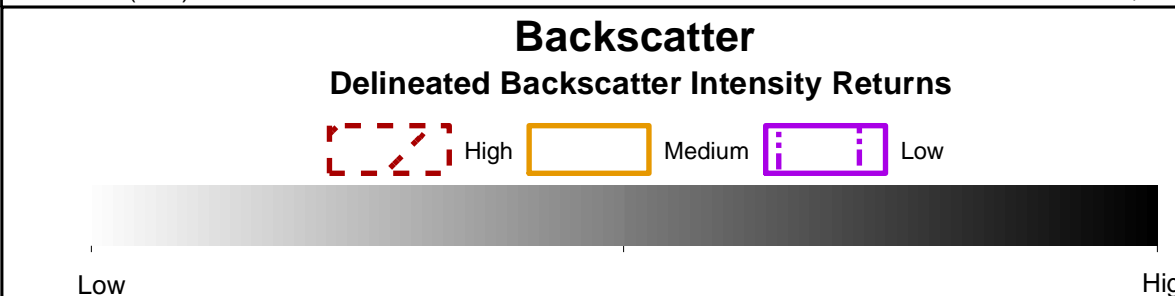
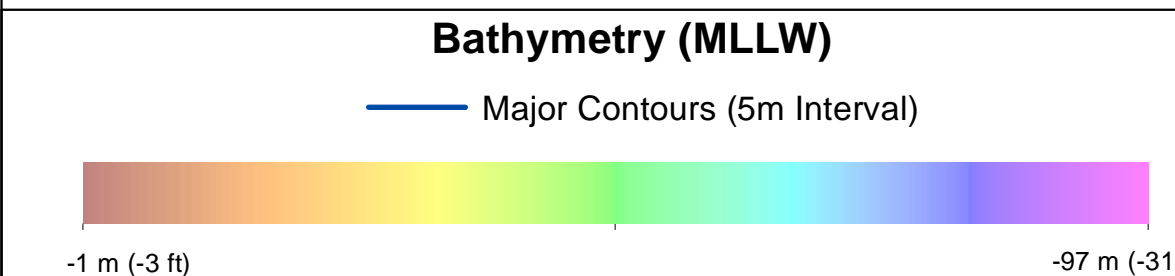
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

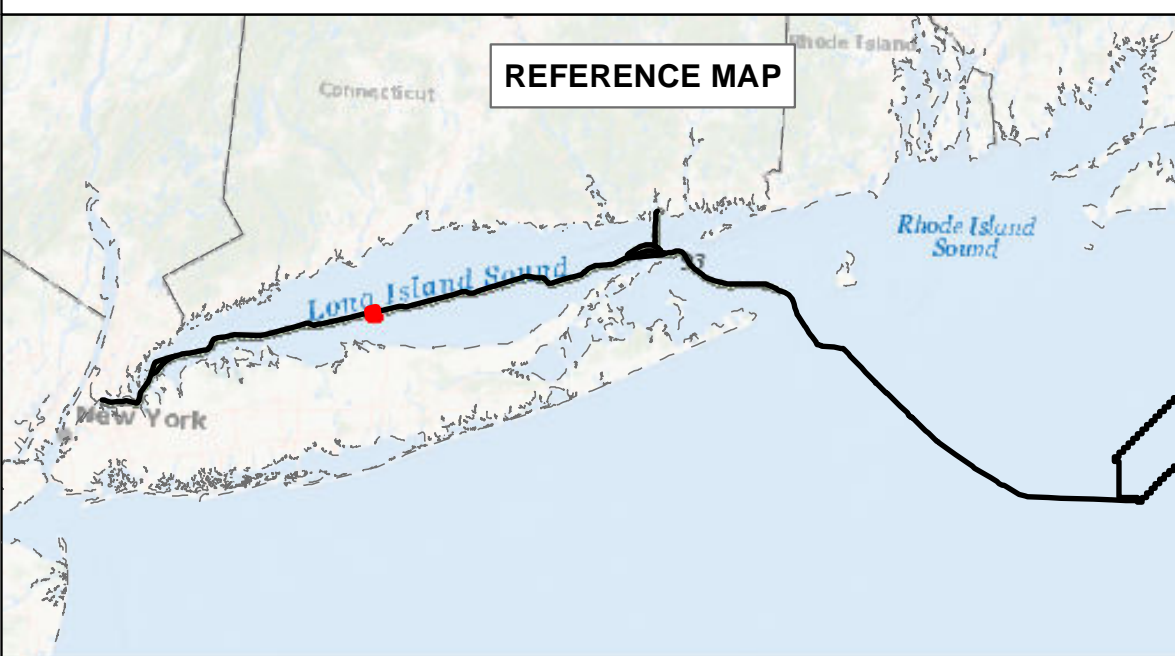


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
  - Mixed Sediment/Complex Habitat
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Muddy Sand
  - Sandy Mud
- CMECS Geform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

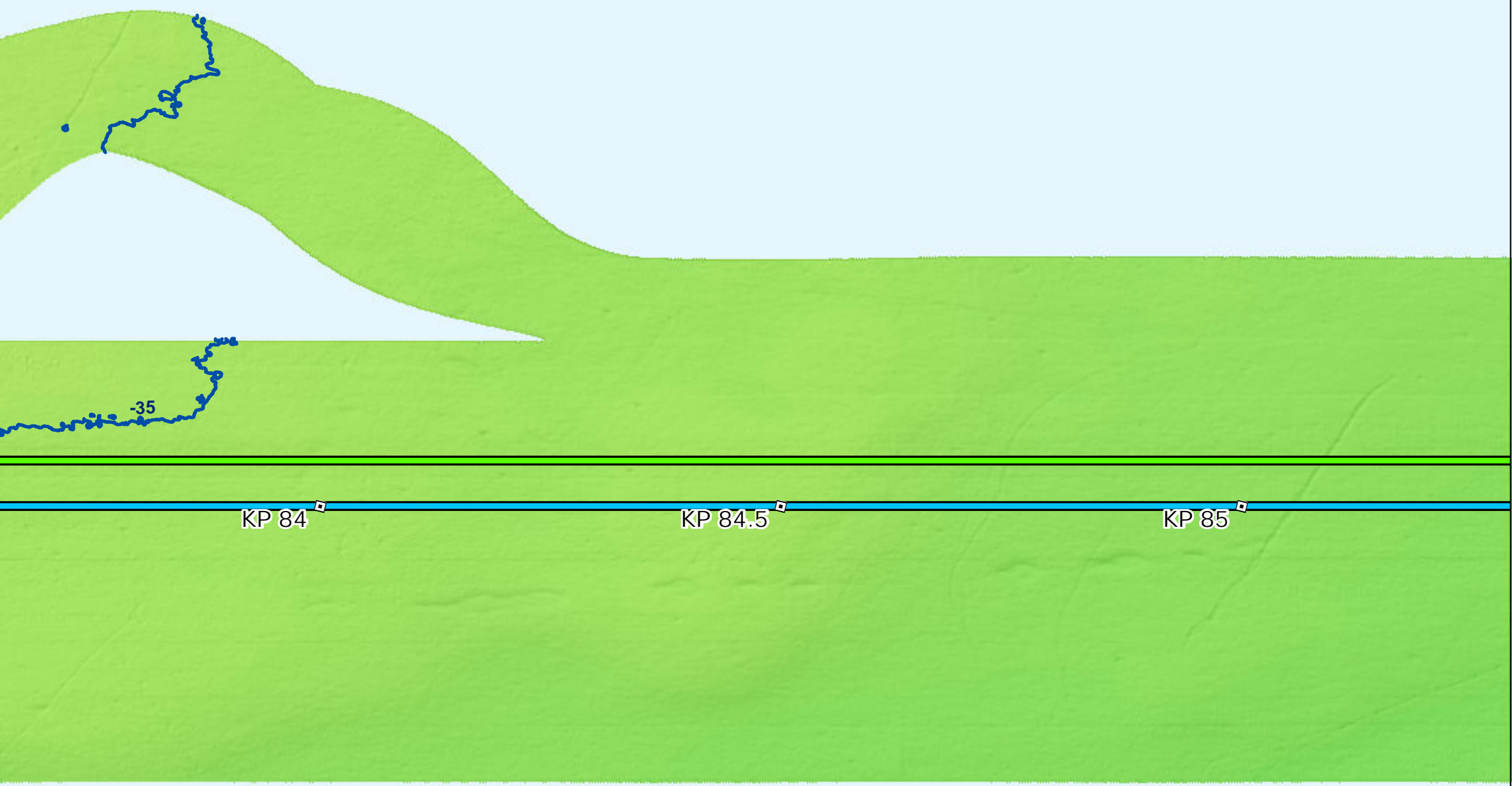
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 60

BW1 (NY) - KP 82.5 - KP 83.5  
BW2 (NY) - KP 82.5 - KP 83.5  
BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



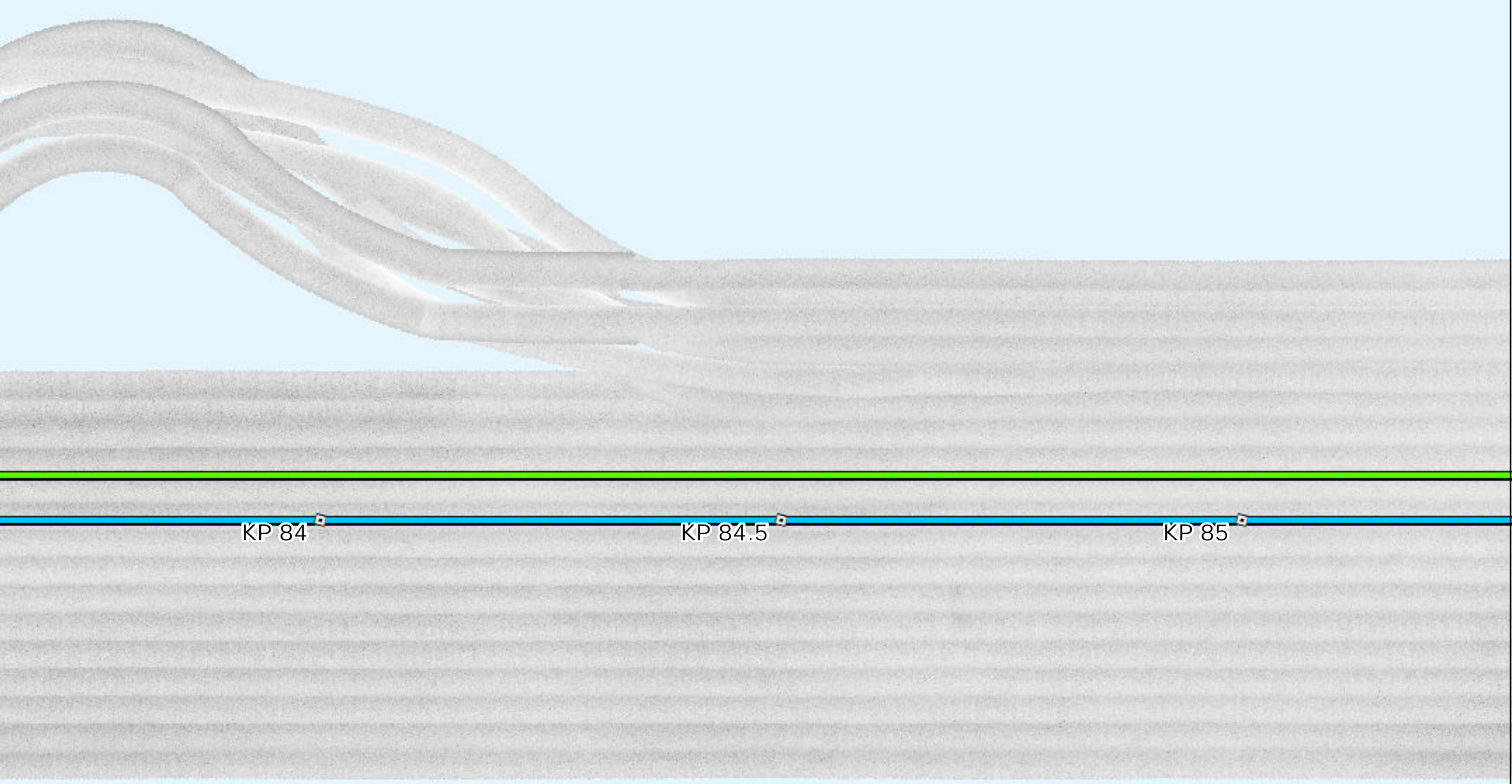
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



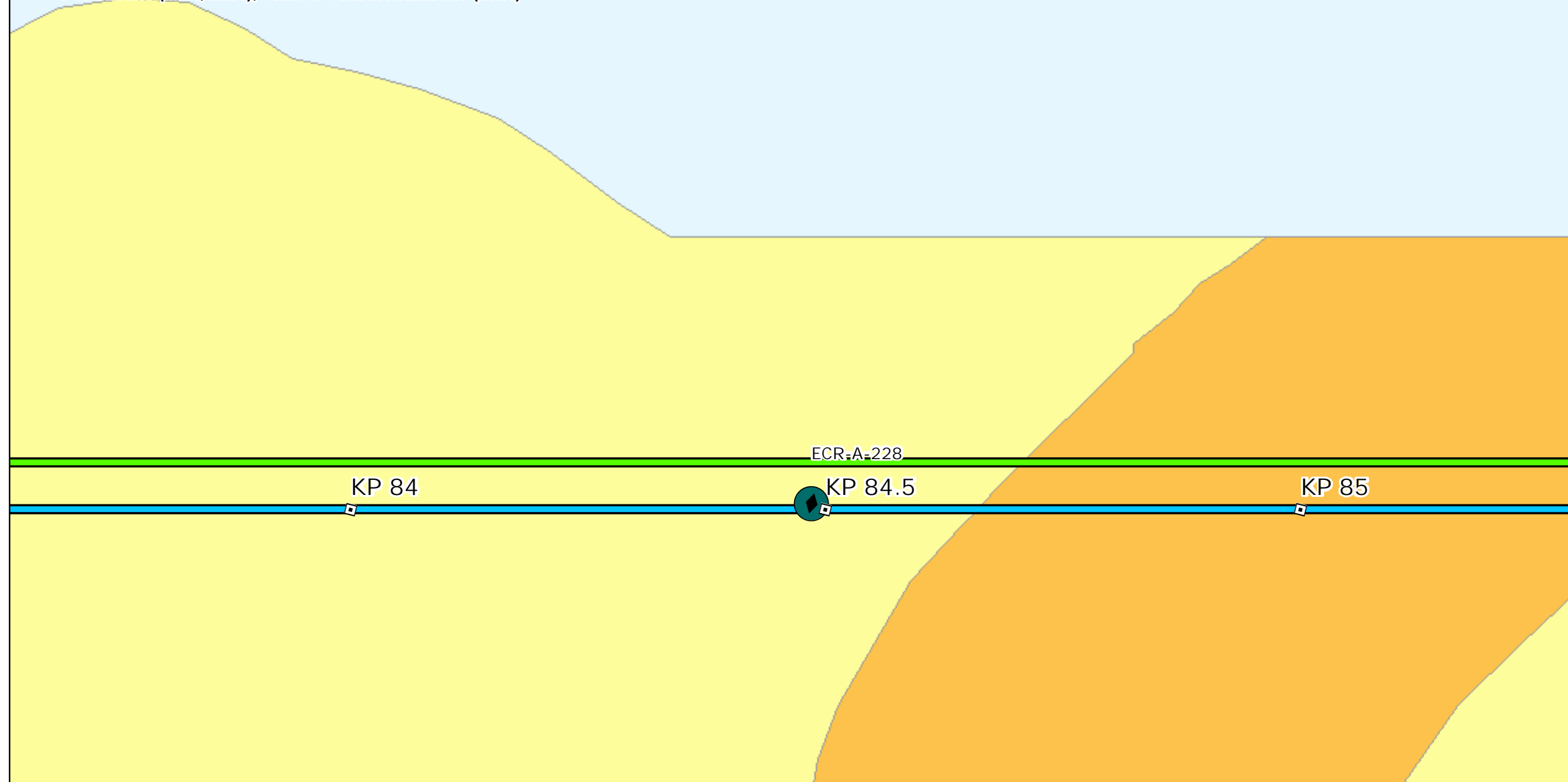
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

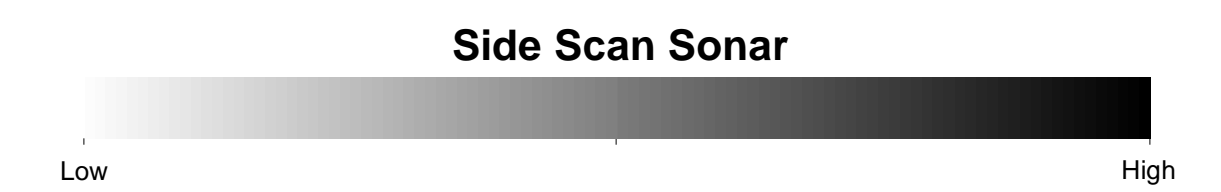
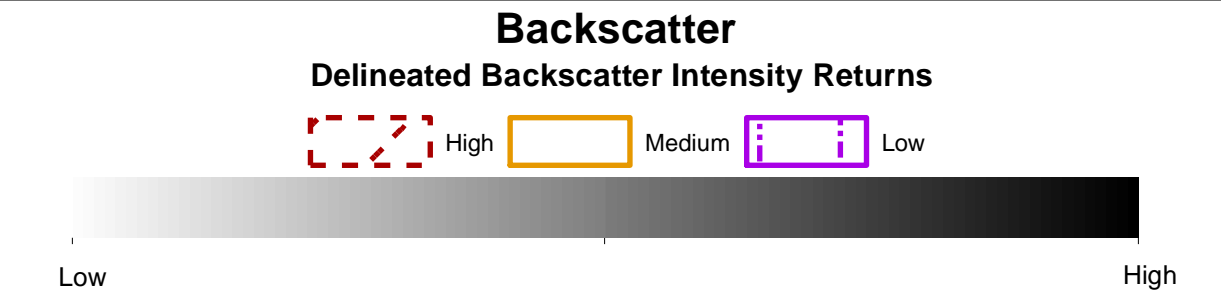
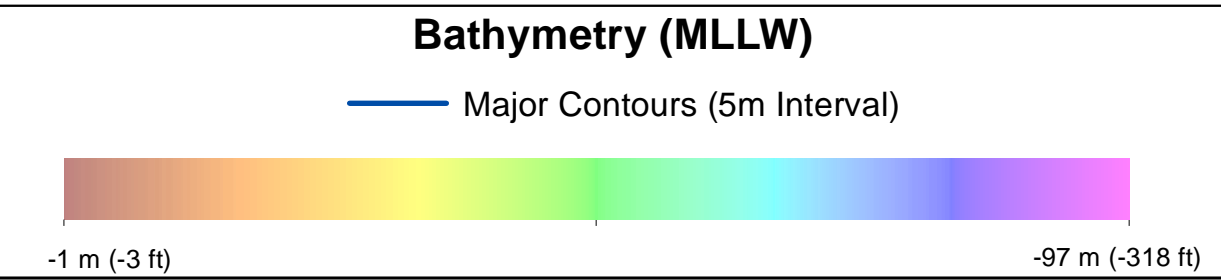
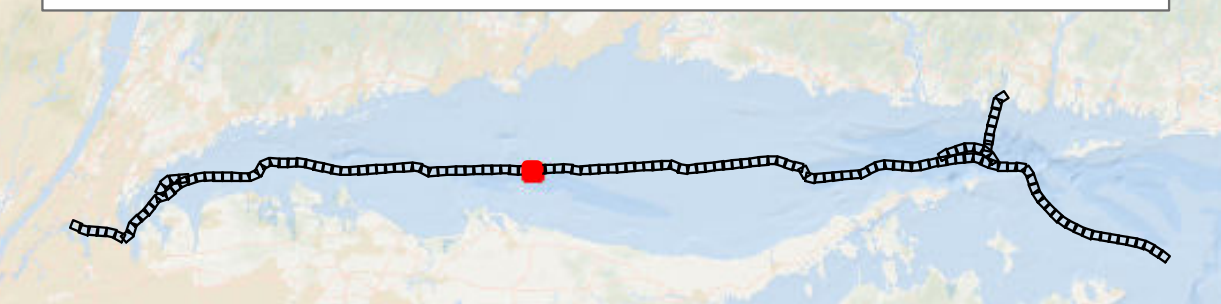


### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters

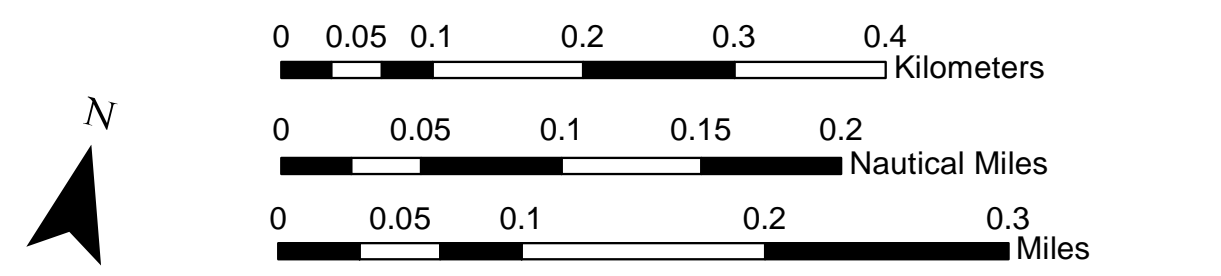
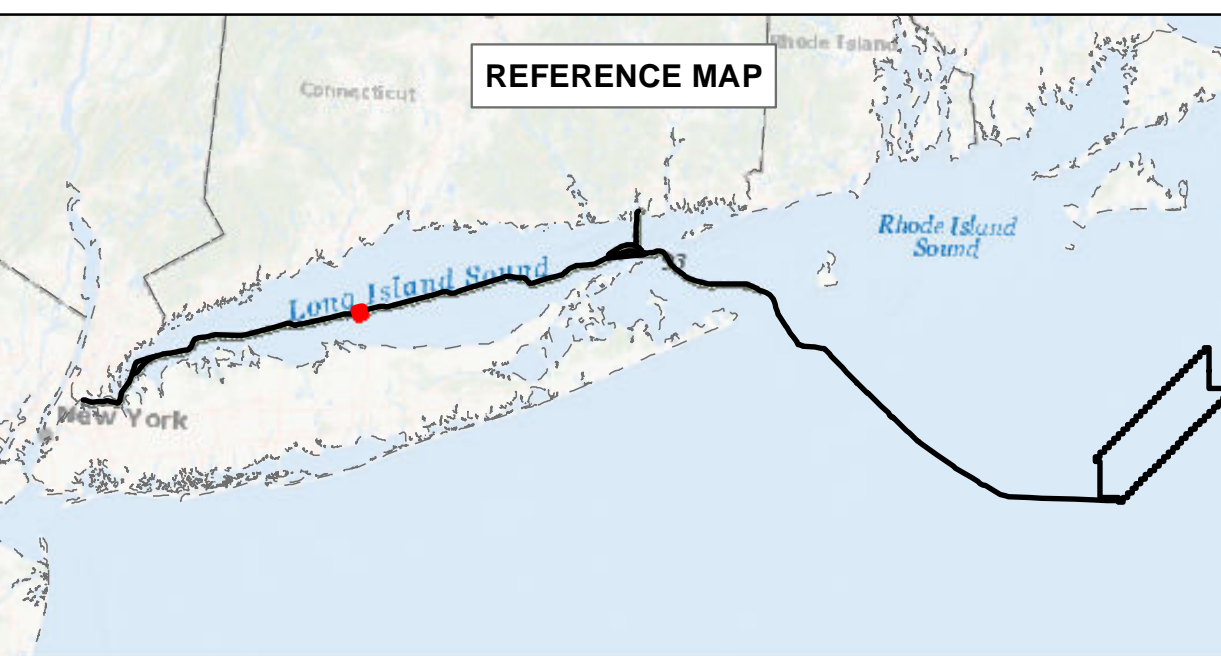


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**  
 ◆ SPI/PV
- CMECS Substrate**  
 ● Sandy Mud
- Interpreted Seabed Sediment/NMFS Habitat Characterization**  
 ■ Mud and Sandy Mud/Soft Bottom Habitat  
 ■ Mixed Sediment/Complex Habitat

Note:  
 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
 Date: 3/1/2023  
 Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

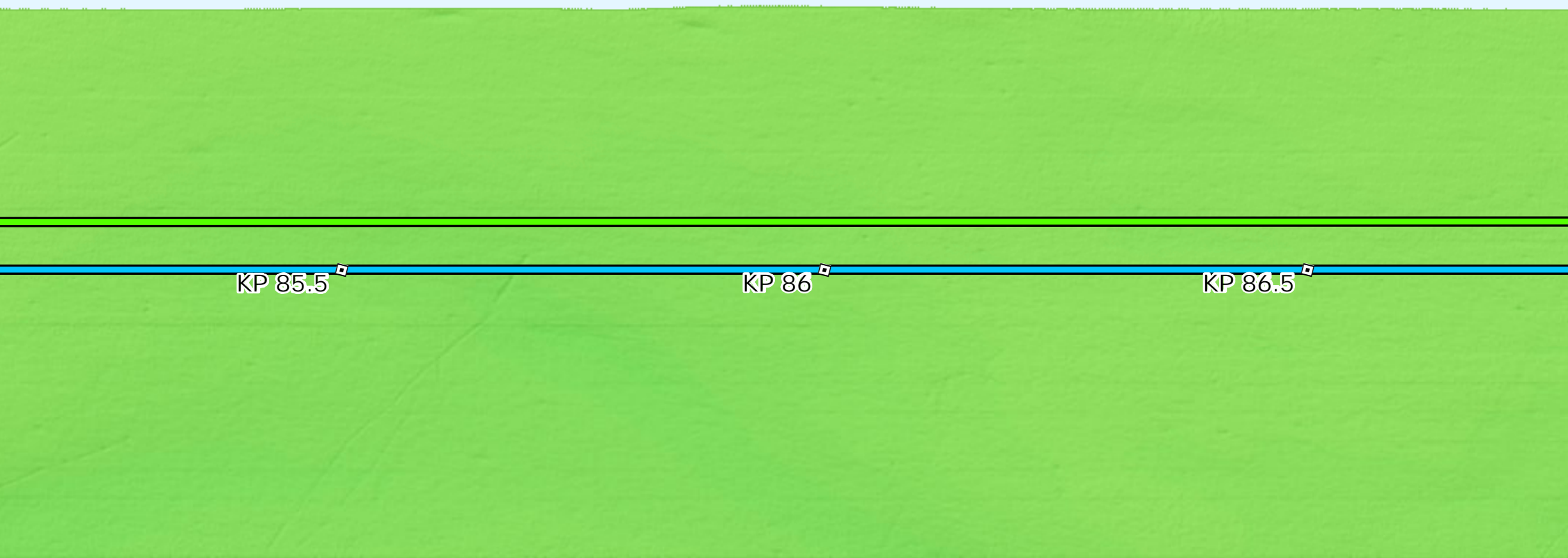
Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 61

BW1 (NY) - KP 84 - KP 85  
 BW2 (NY) - KP 84 - KP 85  
 BW2 (CT) - N/A



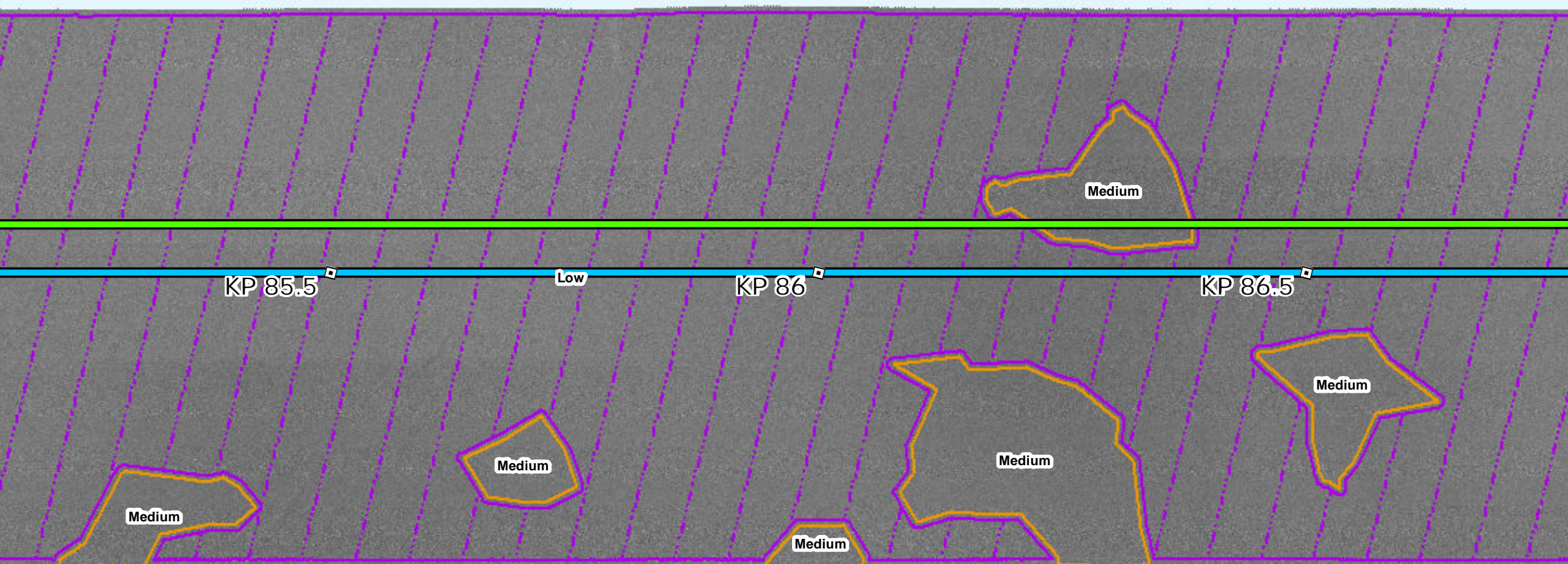
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



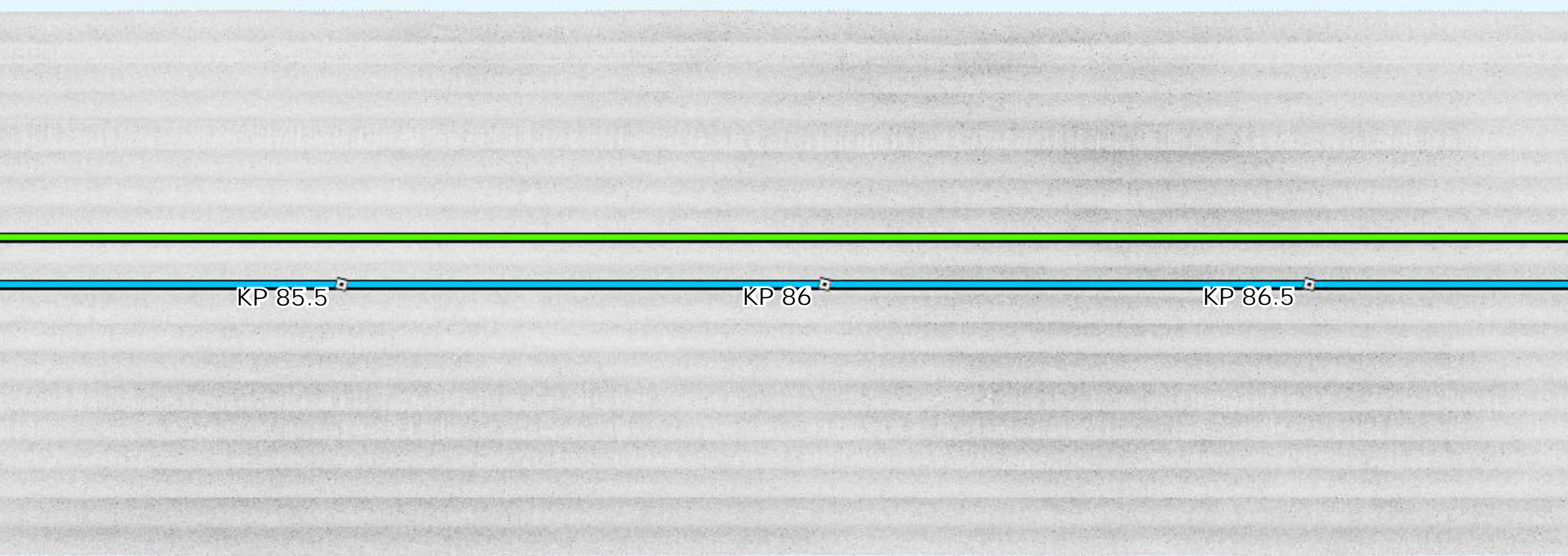
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



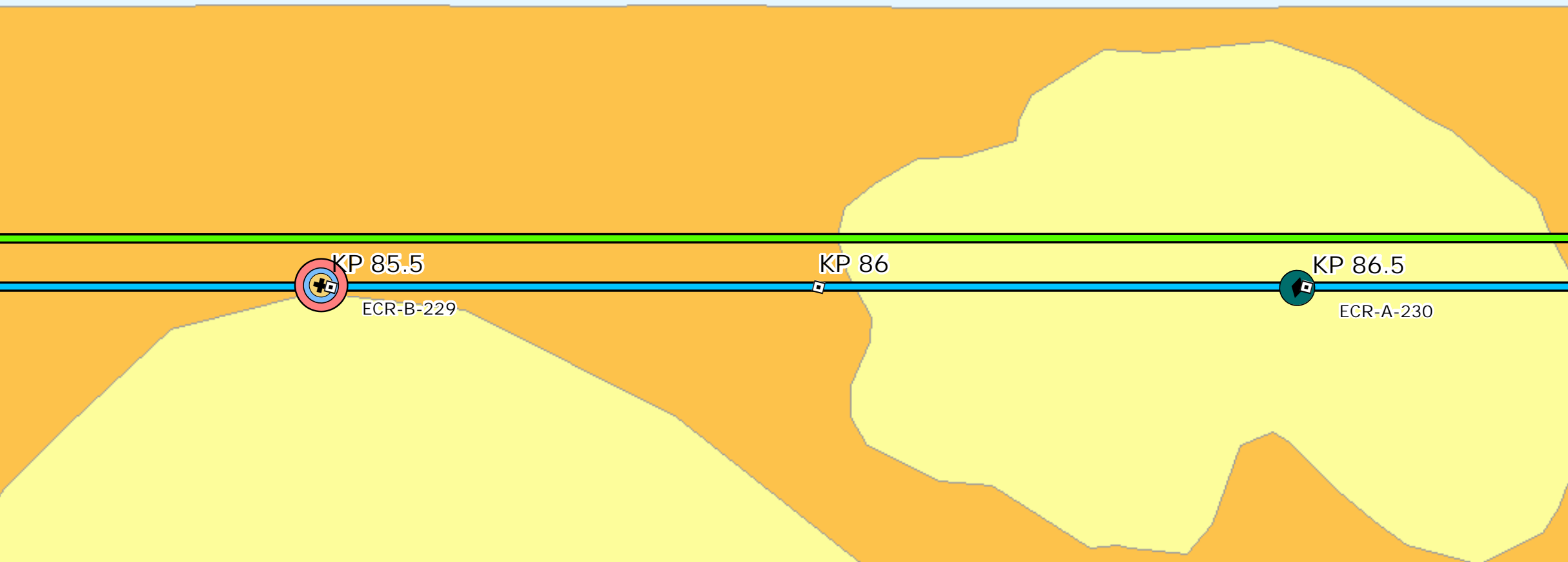
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

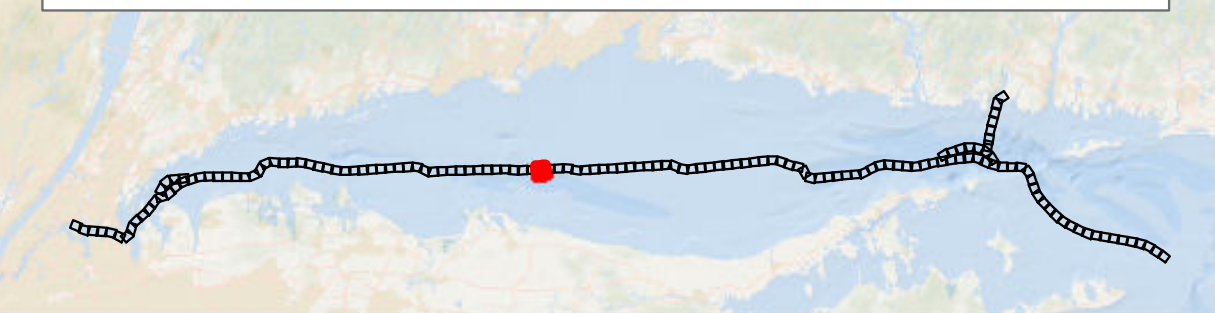


# Interpreted Seabed Sediment/NMFS Habitat Characterization

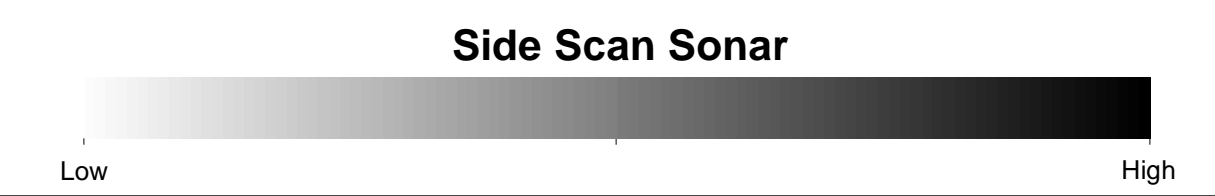
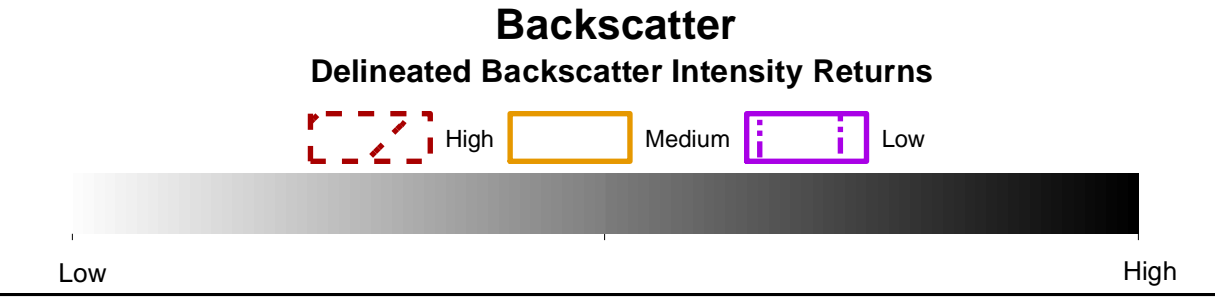
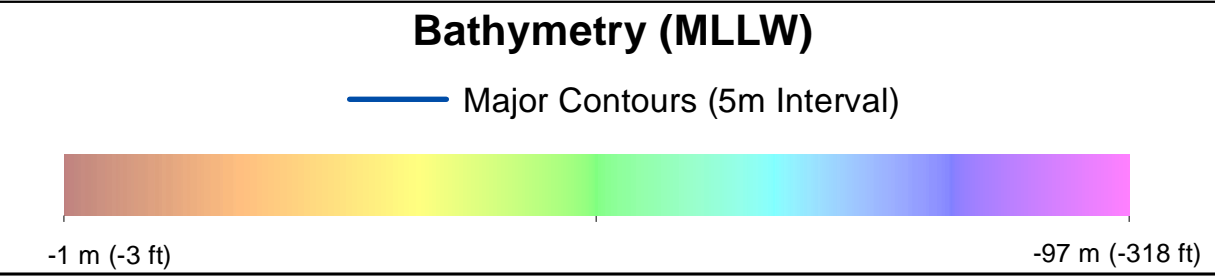
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

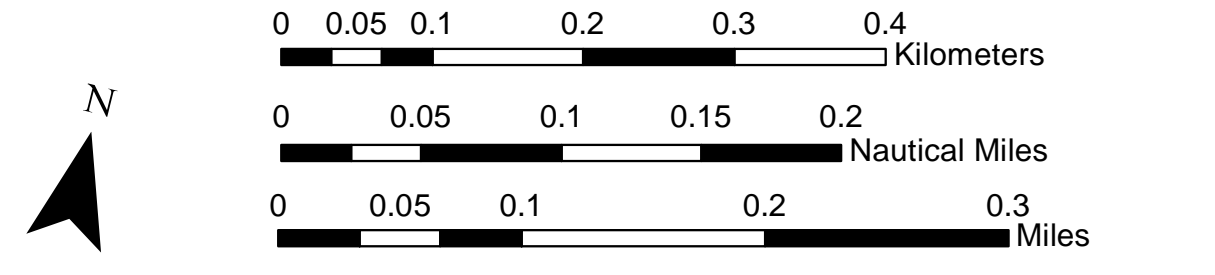
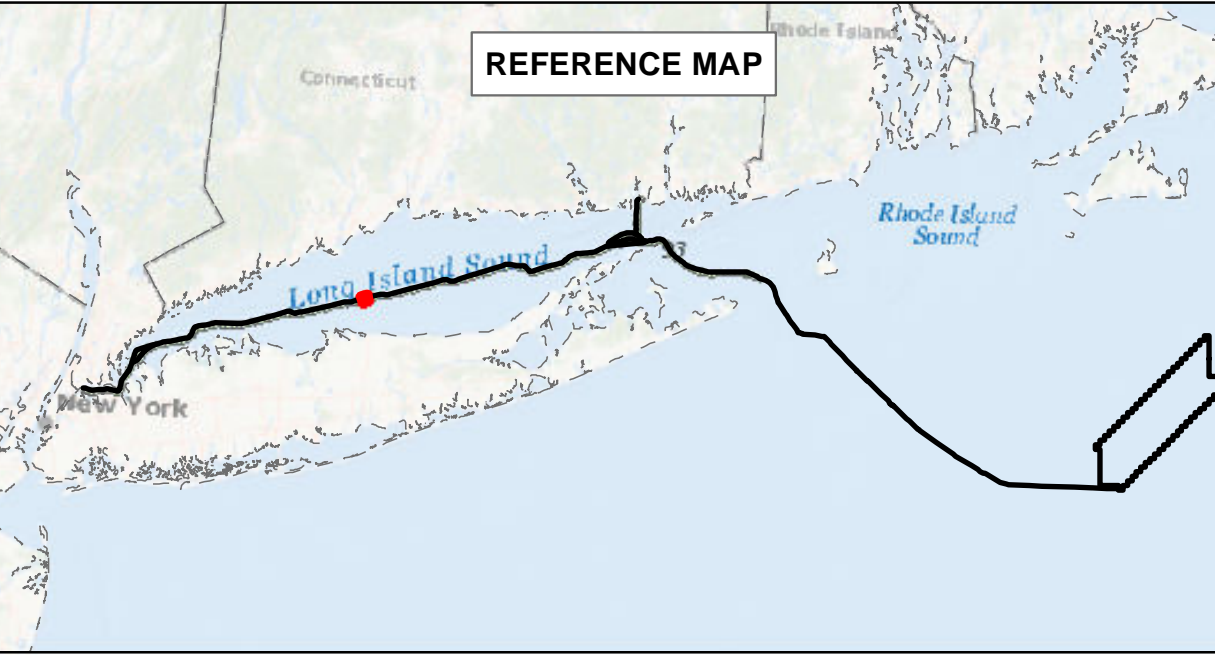


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
    - SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Gravelly Mud
    - Sandy Mud
  - CMECS Geofom**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

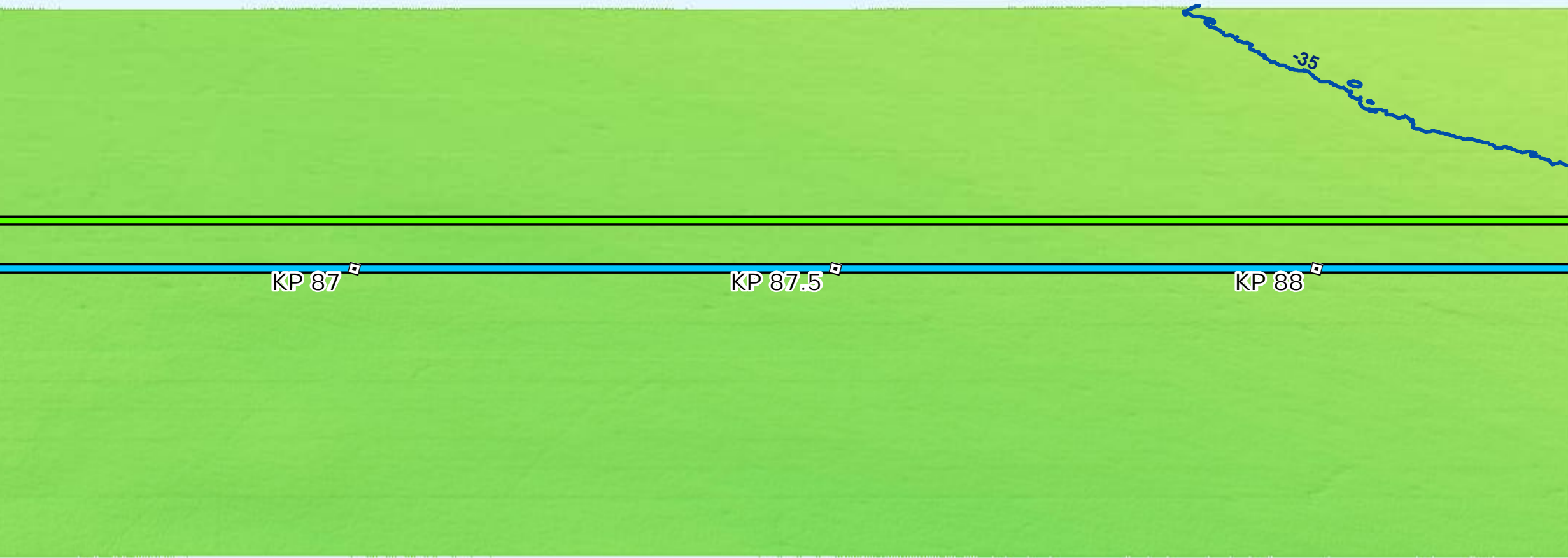
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 62

BW1 (NY) - KP 85.5 - KP 86.5  
BW2 (NY) - KP 85.5 - KP 86.5  
BW2 (CT) - N/A



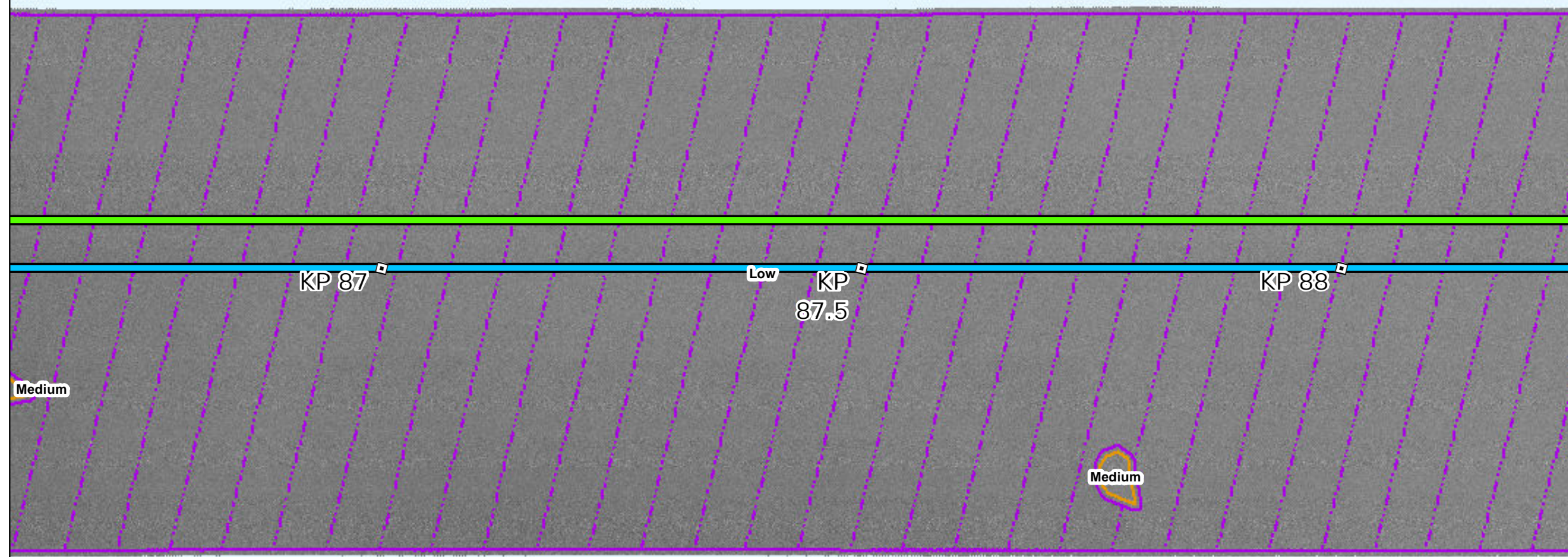
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



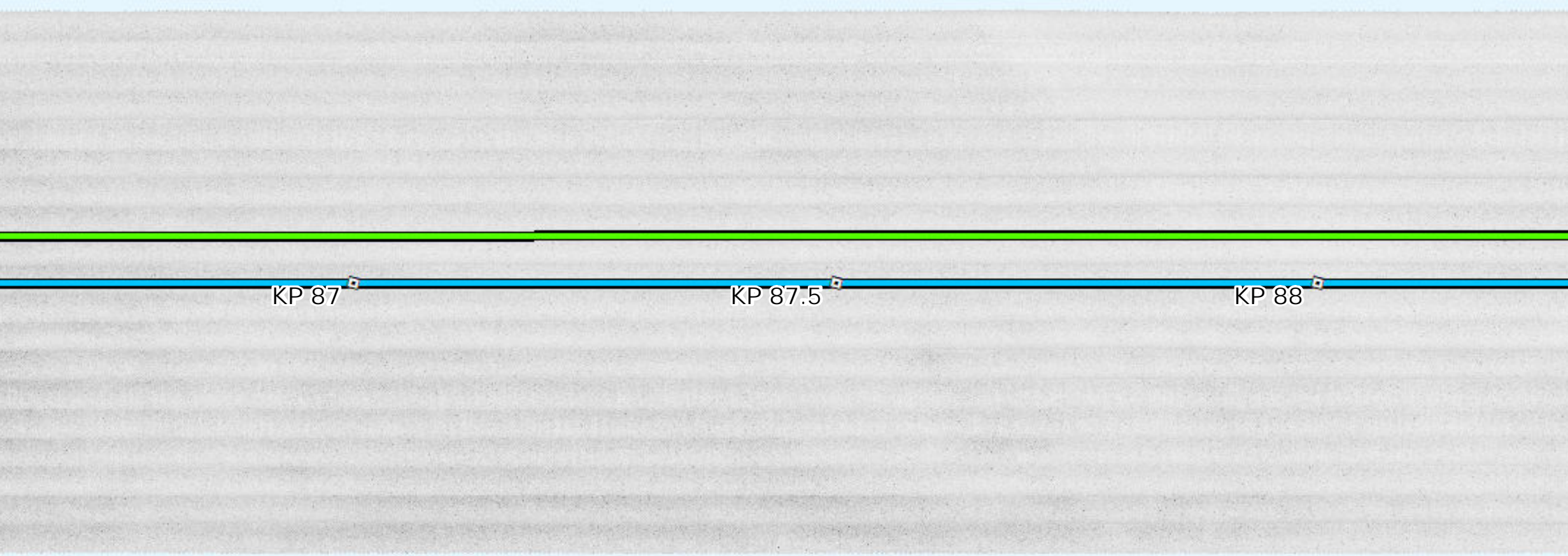
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



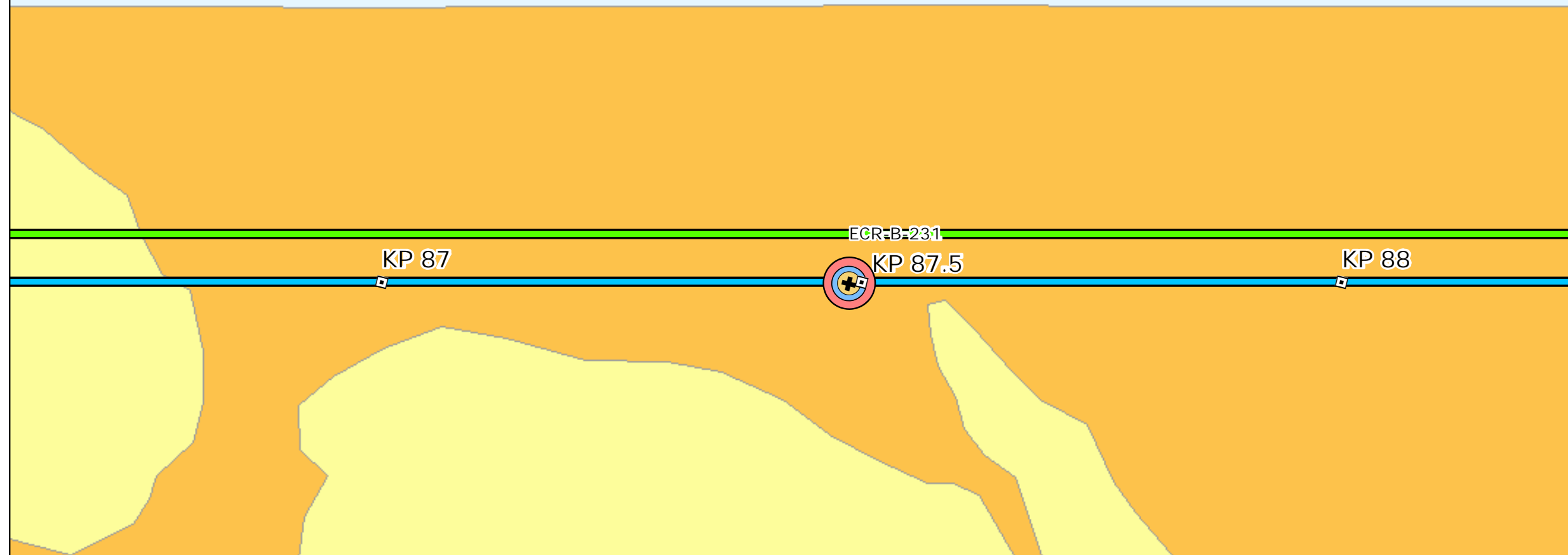
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

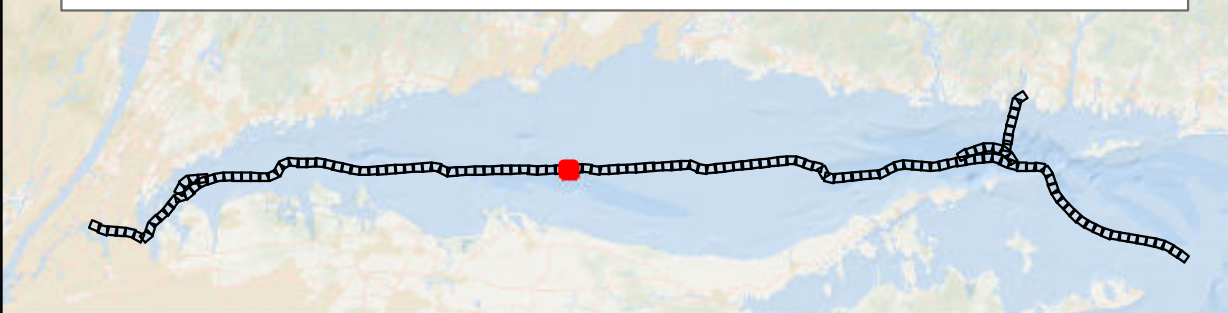


# Interpreted Seabed Sediment/NMFS Habitat Characterization

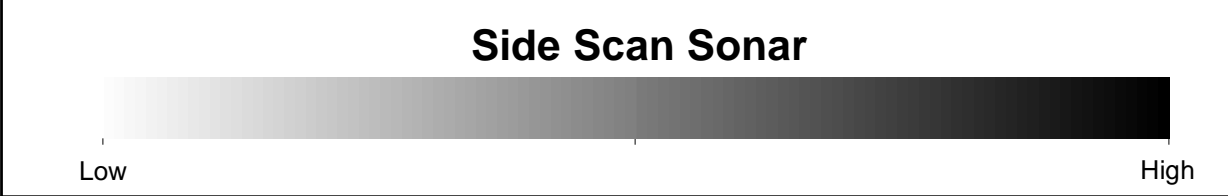
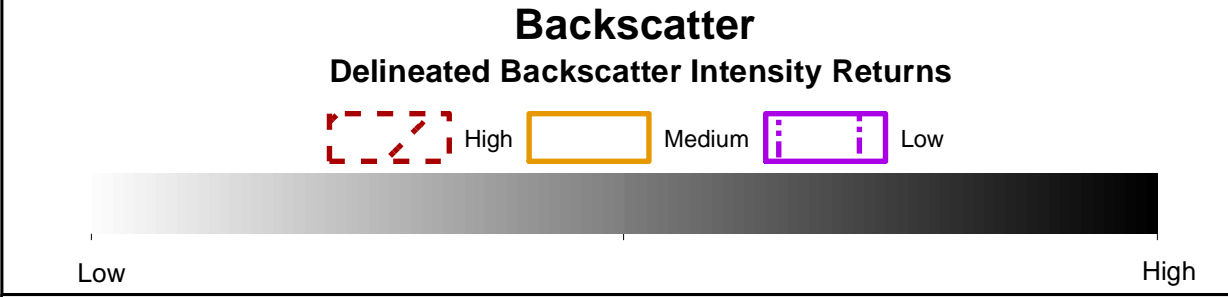
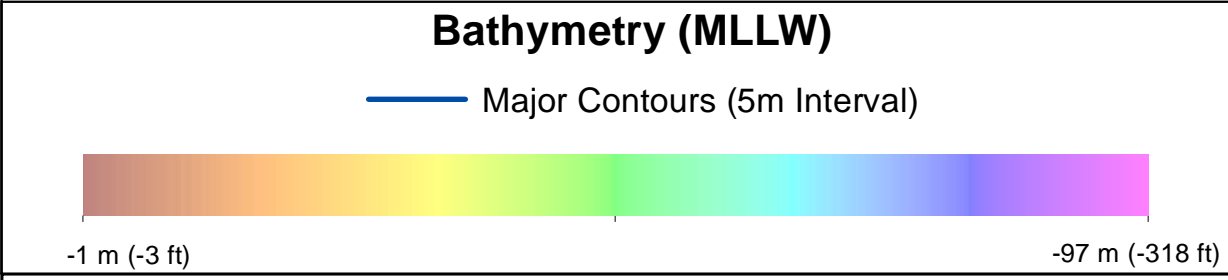
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

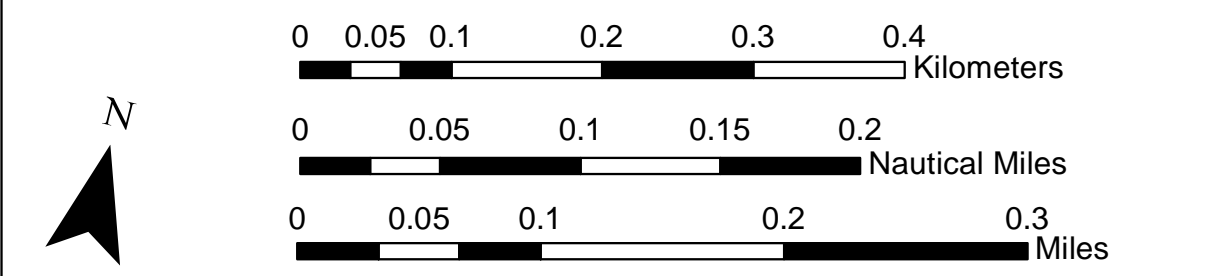
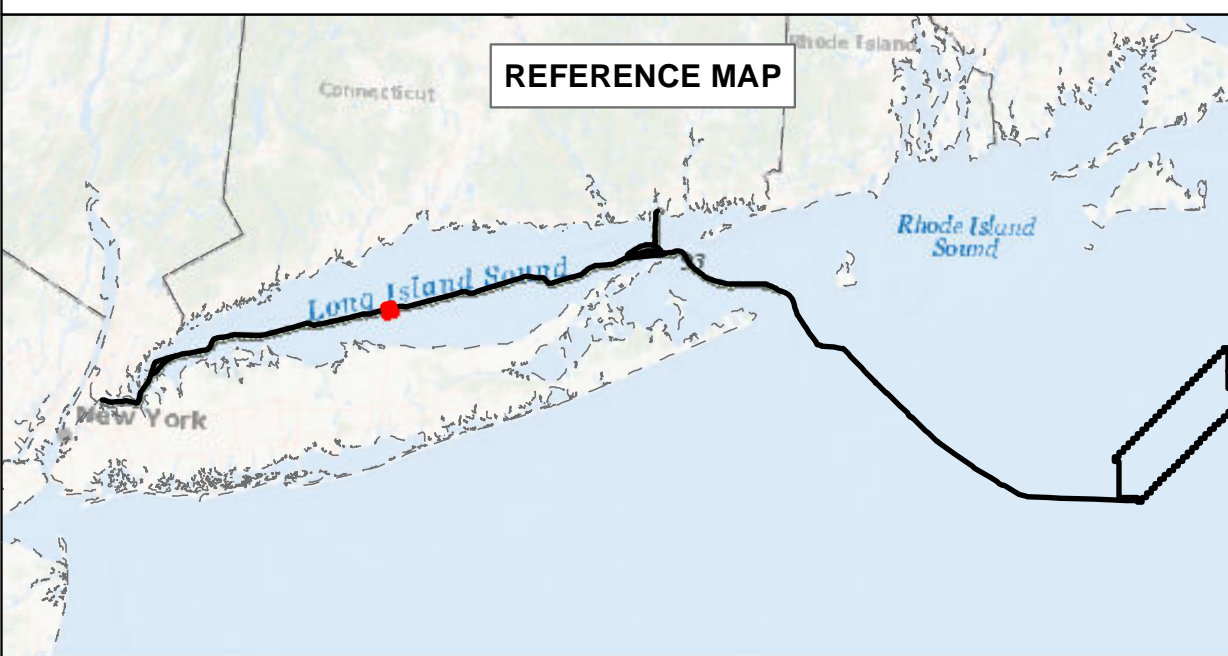


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- Grab and Video
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Mud
- CMECS Geofom**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

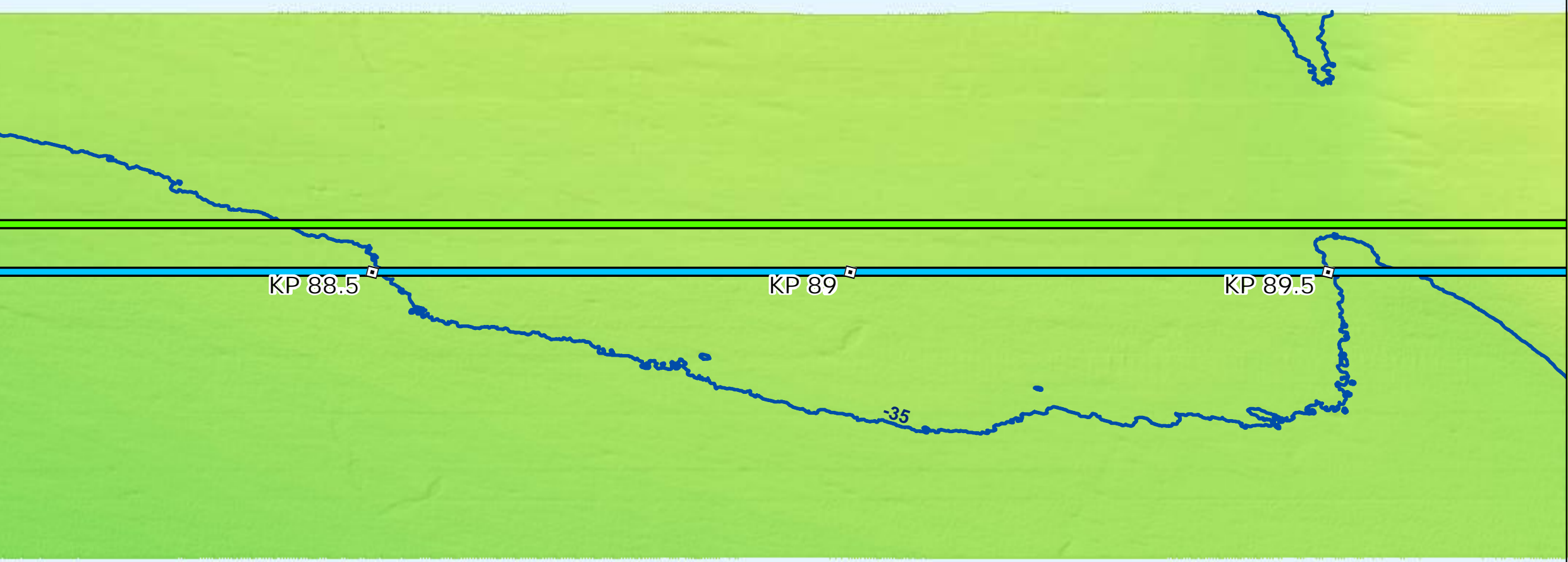
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 63

BW1 (NY) - KP 87 - KP 88  
BW2 (NY) - KP 87 - KP 88  
BW2 (CT) - N/A



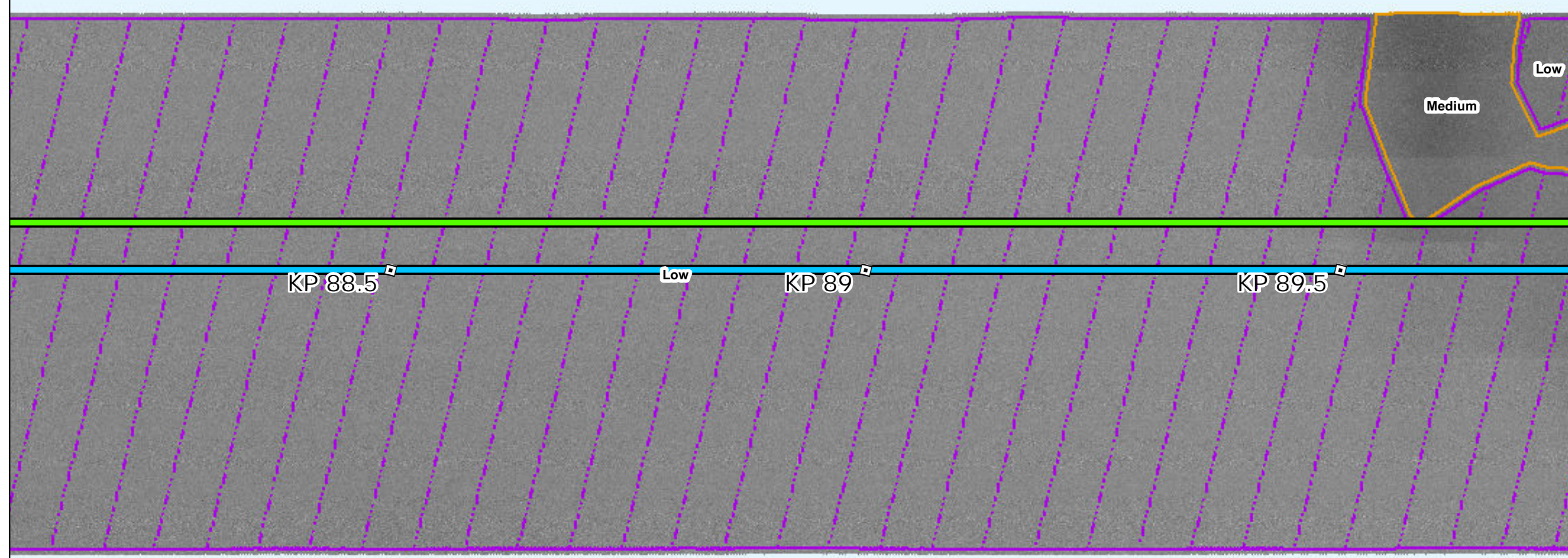
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



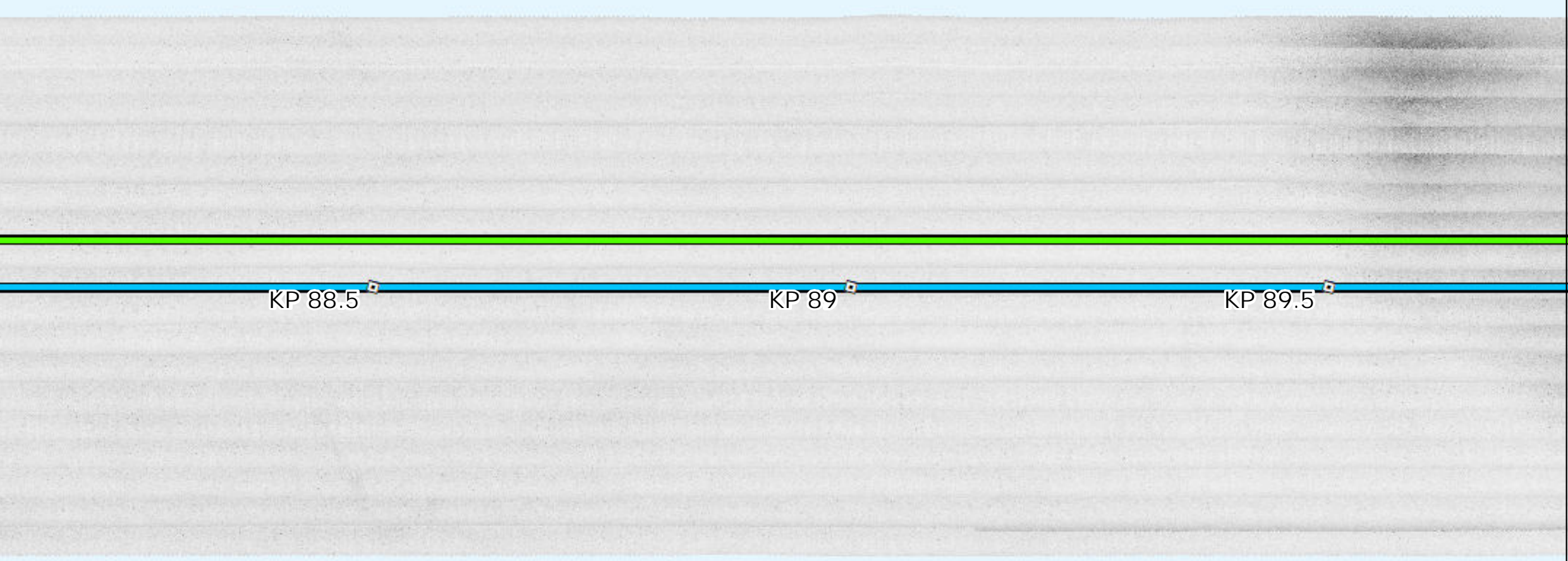
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



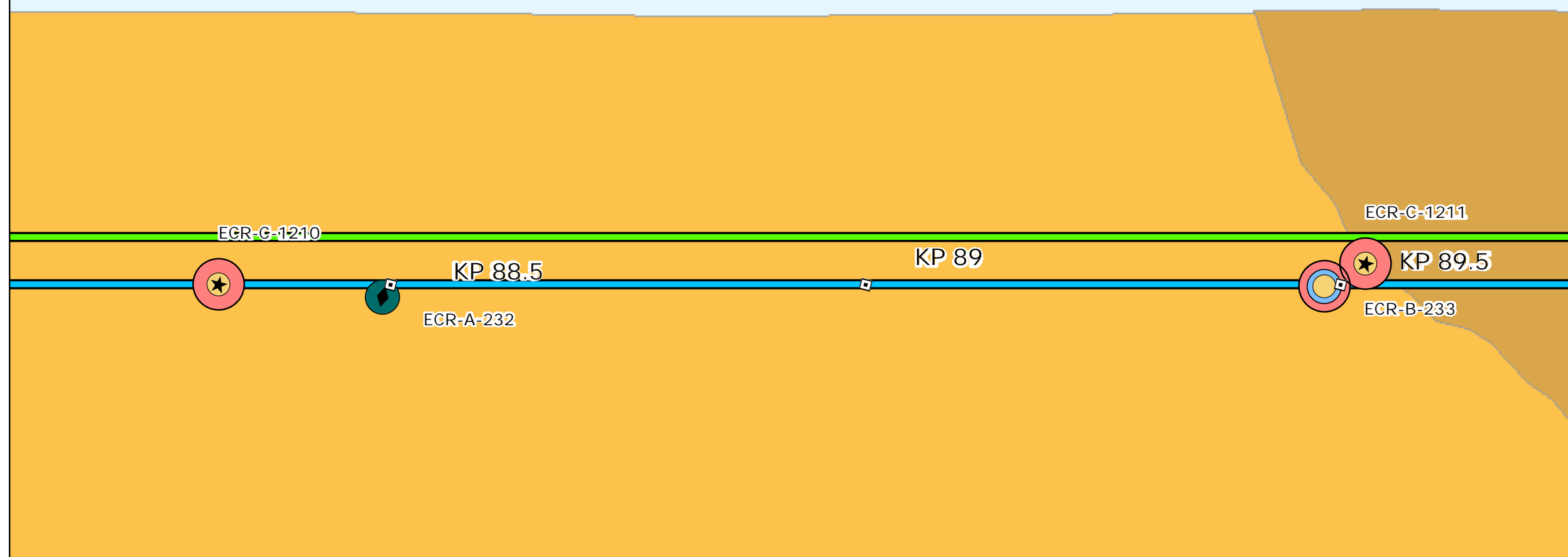
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

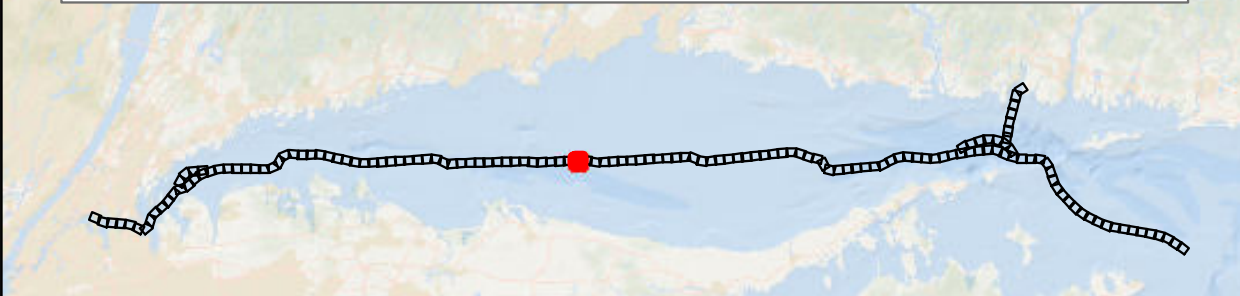


# Interpreted Seabed Sediment/NMFS Habitat Characterization

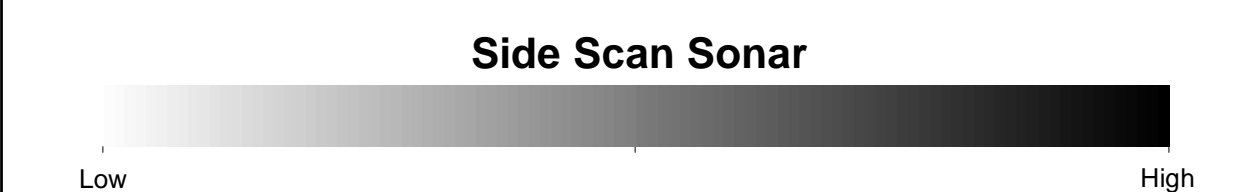
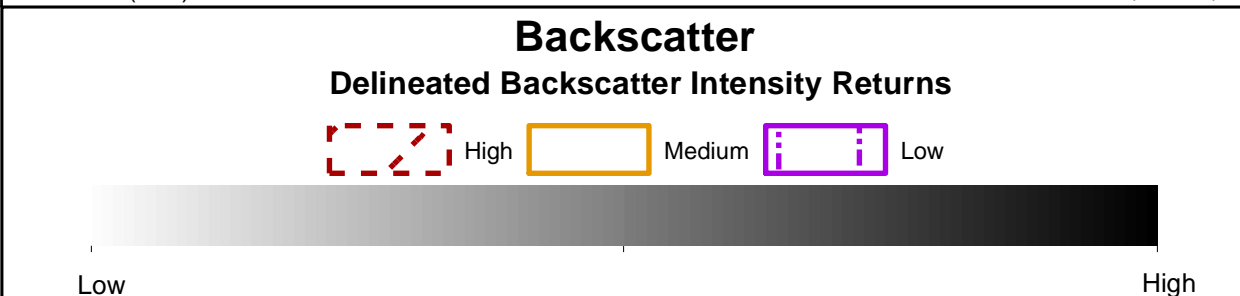
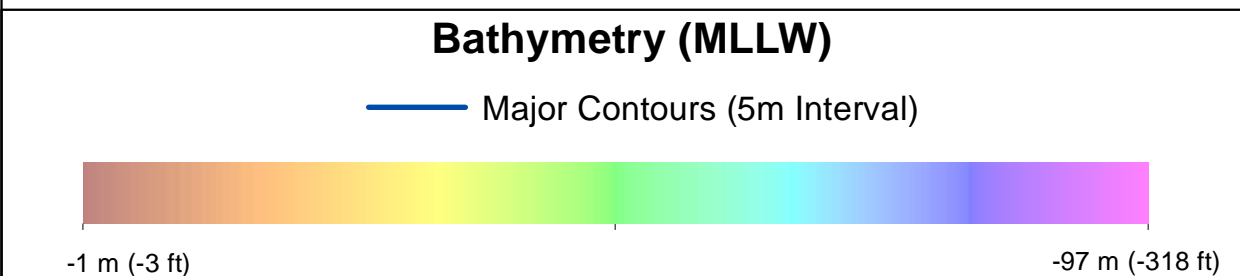
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



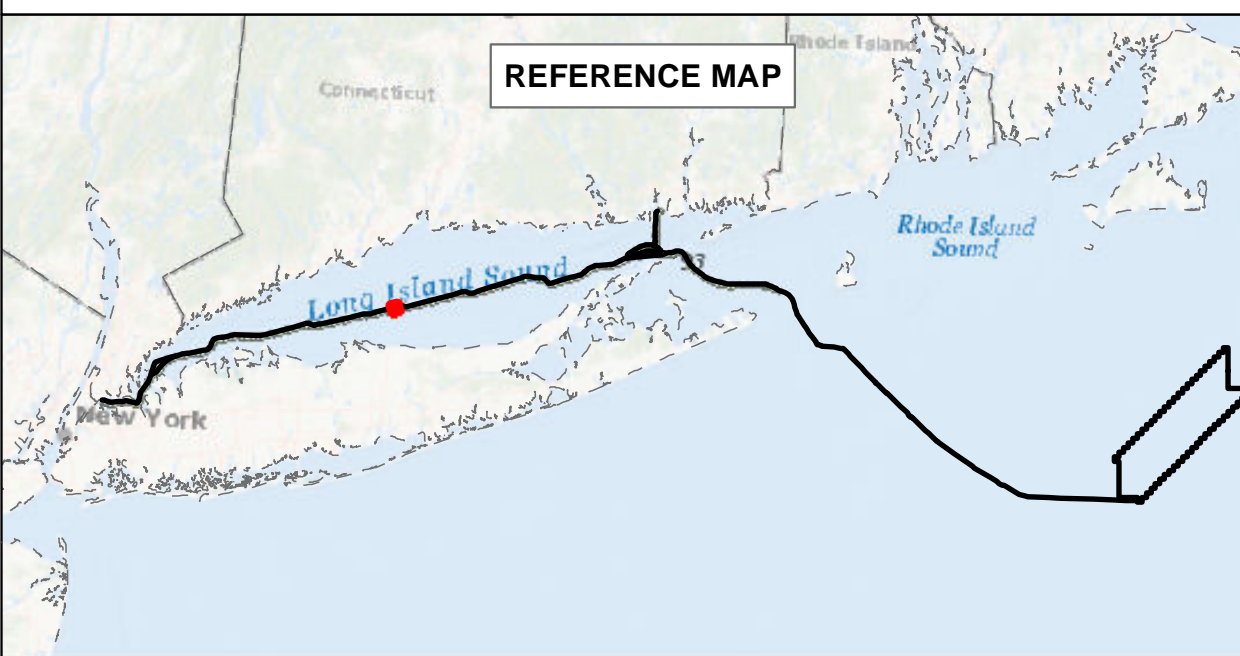
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ◆ SPI/PV               | ■ Sand/Soft Bottom Habitat                                       |
| ★ Video                | ■ Mixed Sediment/Complex Habitat                                 |
| ● Soft Sediment Fauna  | ■ Burrows/Bioturbation   |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geofom</b>    |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 64

BW1 (NY) - KP 88.5 - KP 89.5  
BW2 (NY) - KP 88.5 - KP 89.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



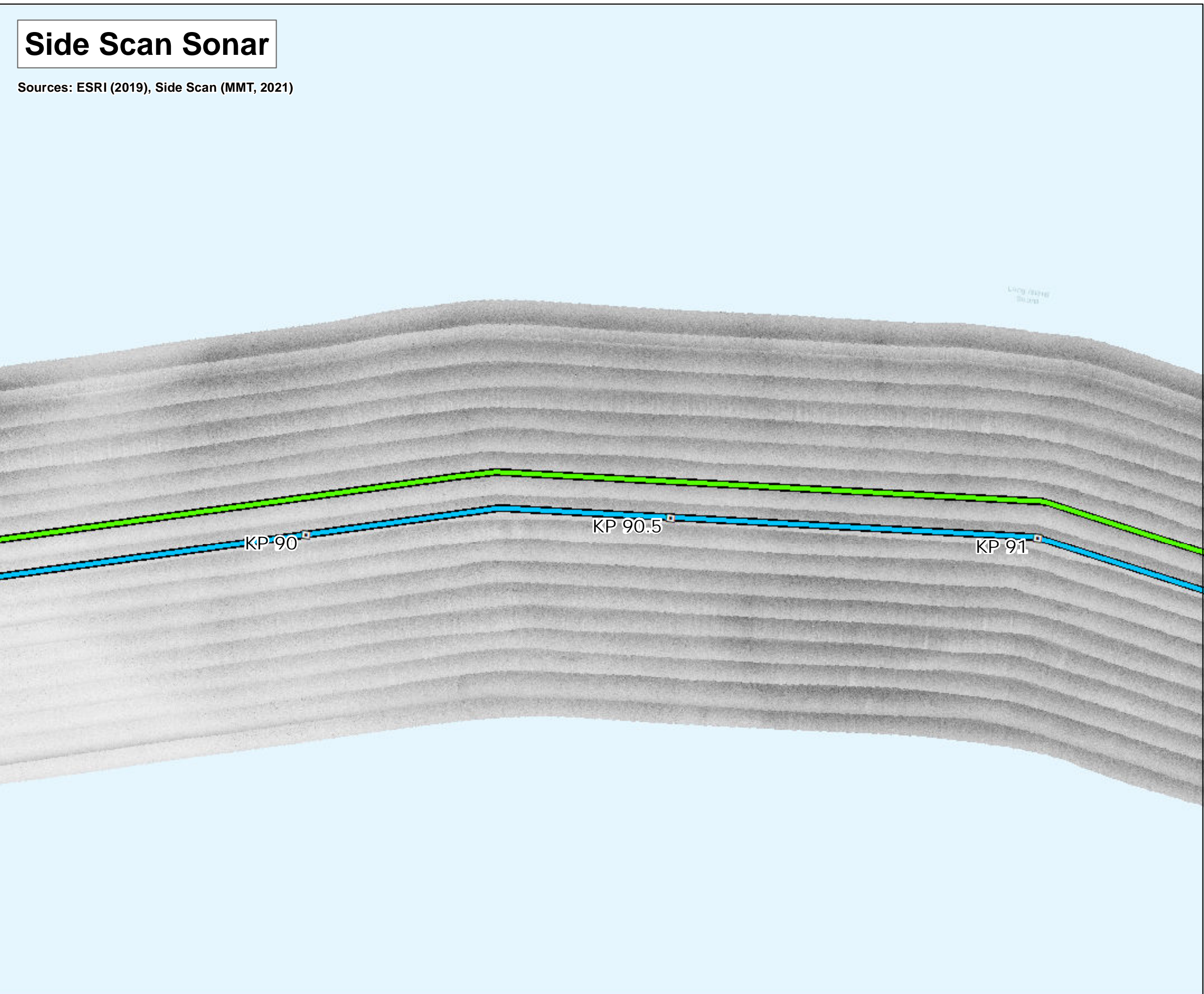
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



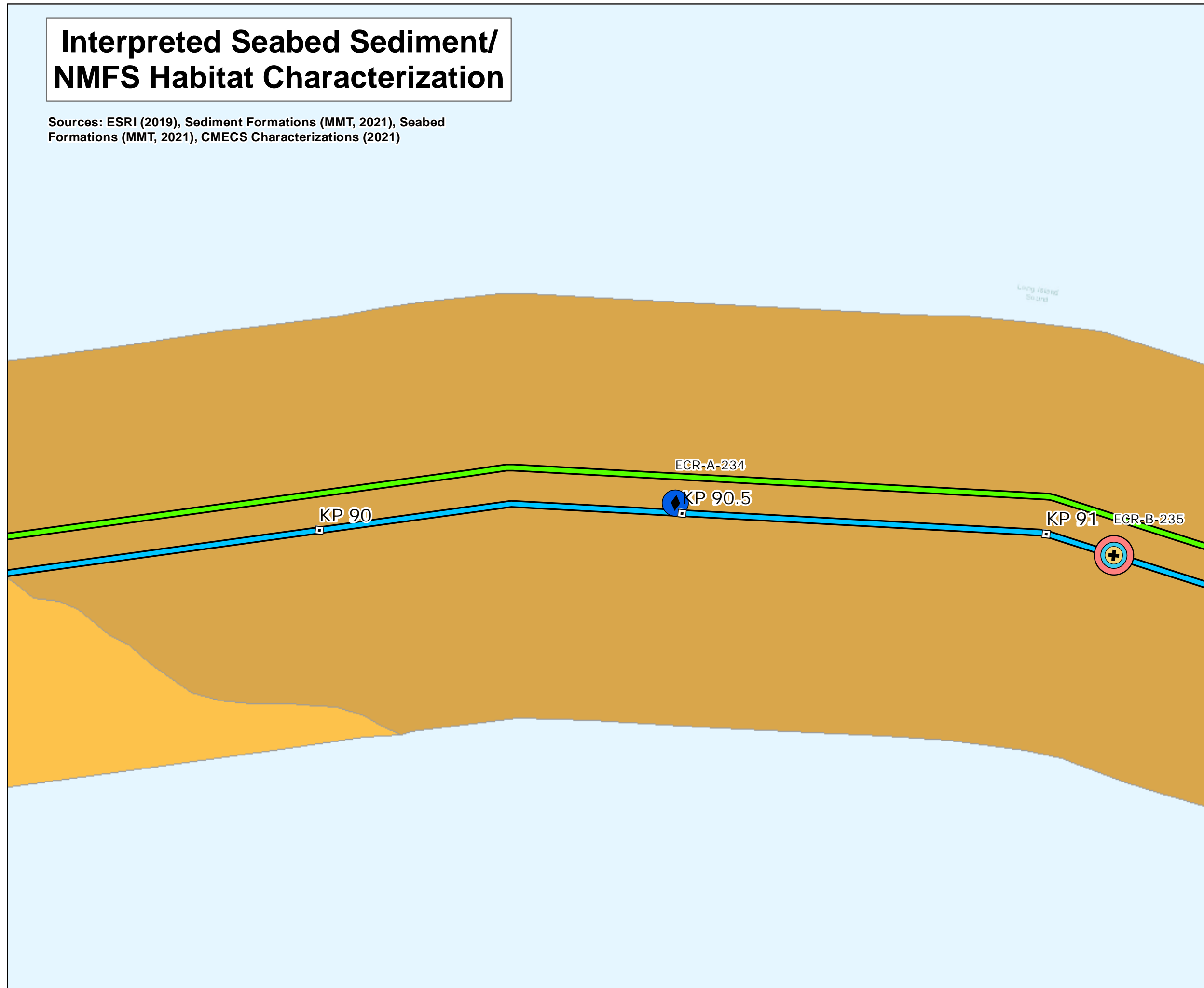
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

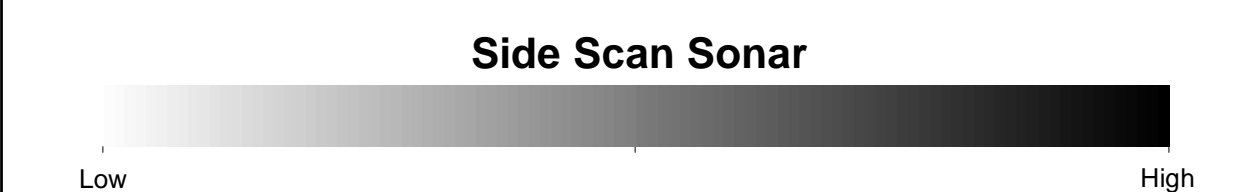
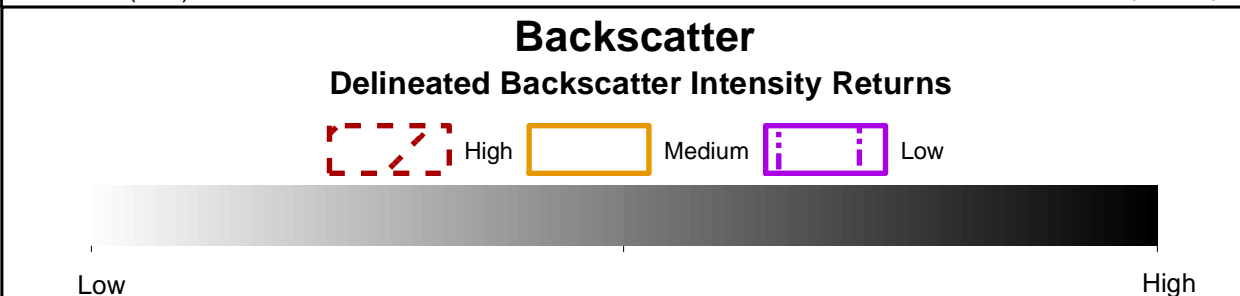
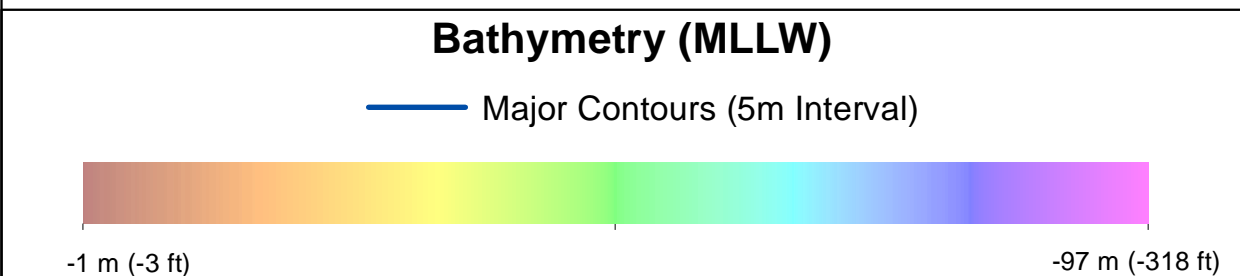
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

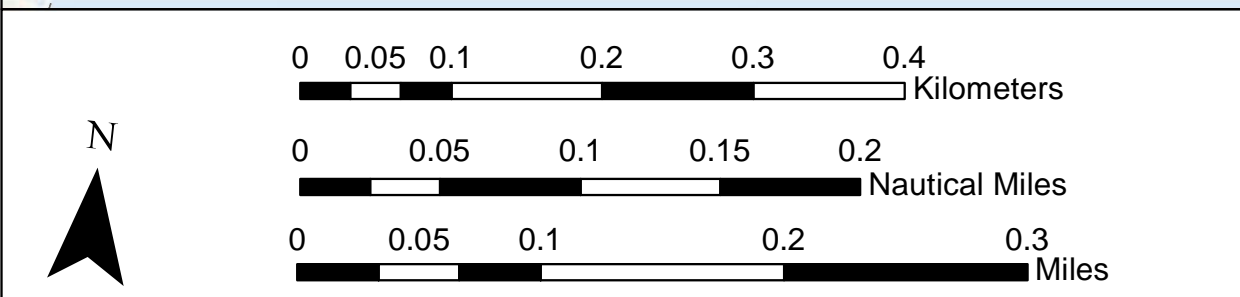
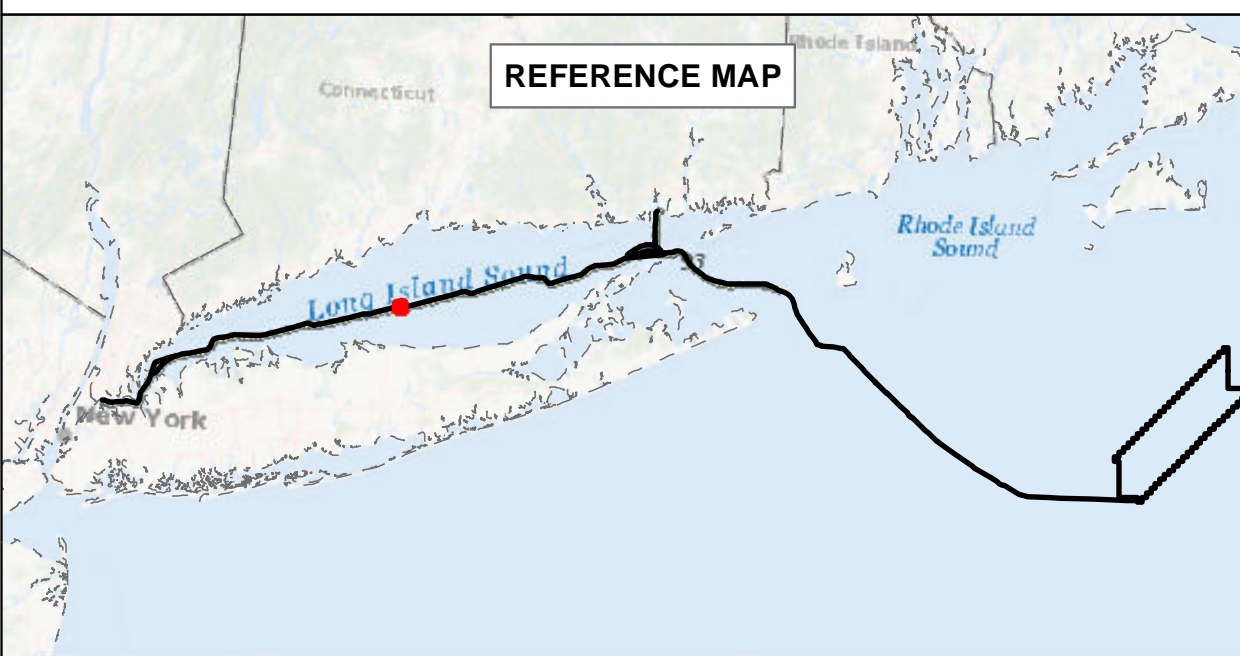


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Muddy Sand
  - Muddy Sand
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat
  - Sand and Muddy
  - Sand/Soft Bottom Habitat
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

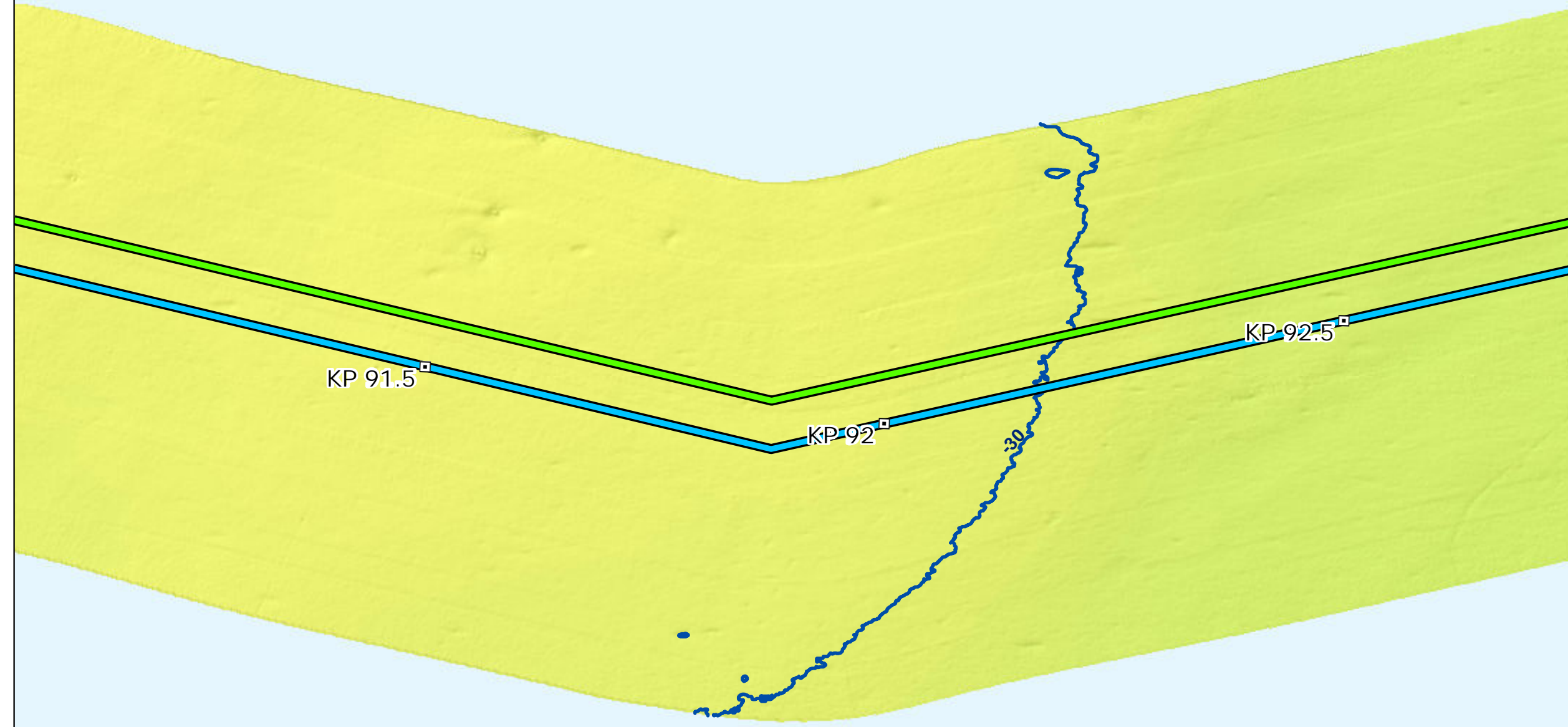
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 65

BW1 (NY) - KP 90 - KP 91  
BW2 (NY) - KP 90 - KP 91  
BW2 (CT) - N/A



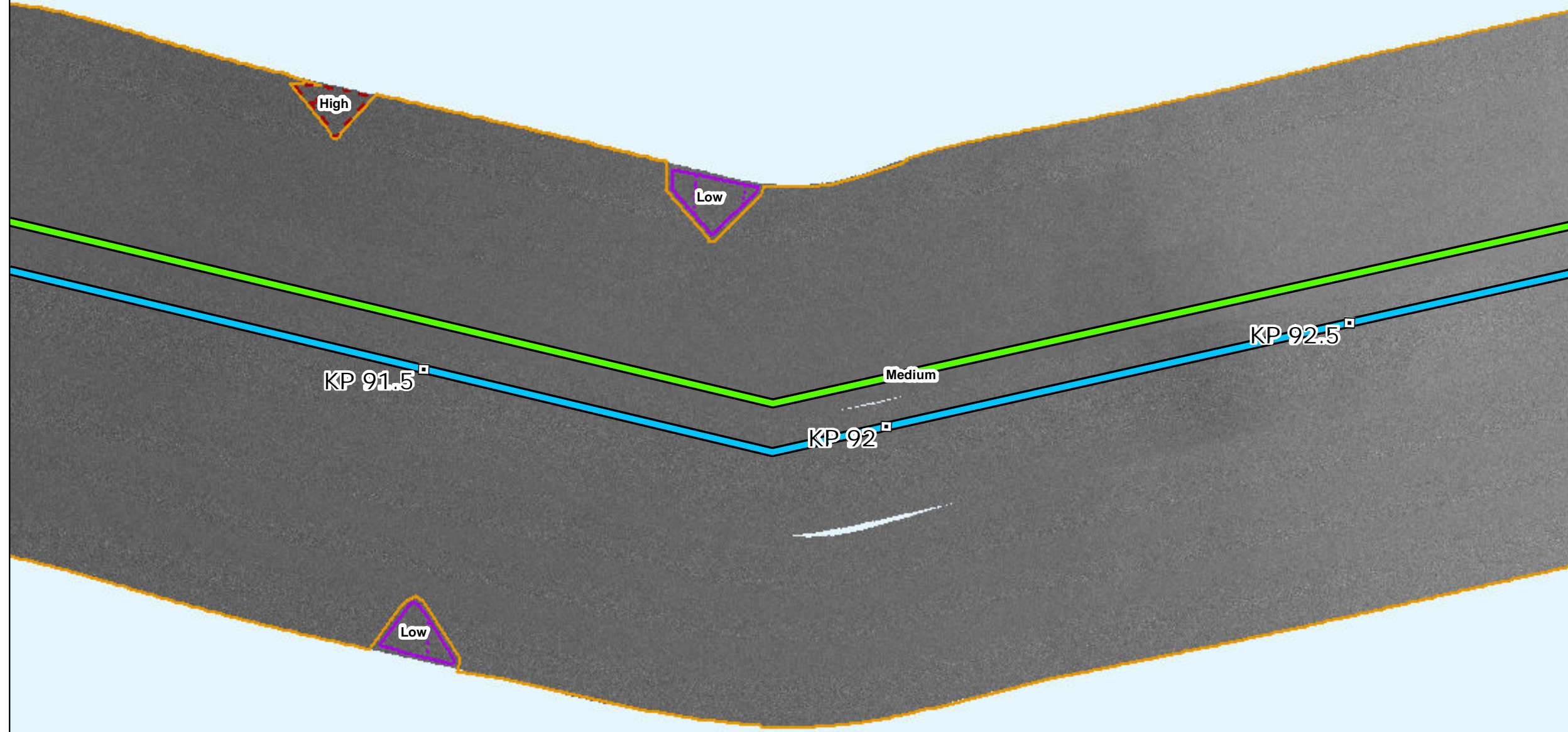
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



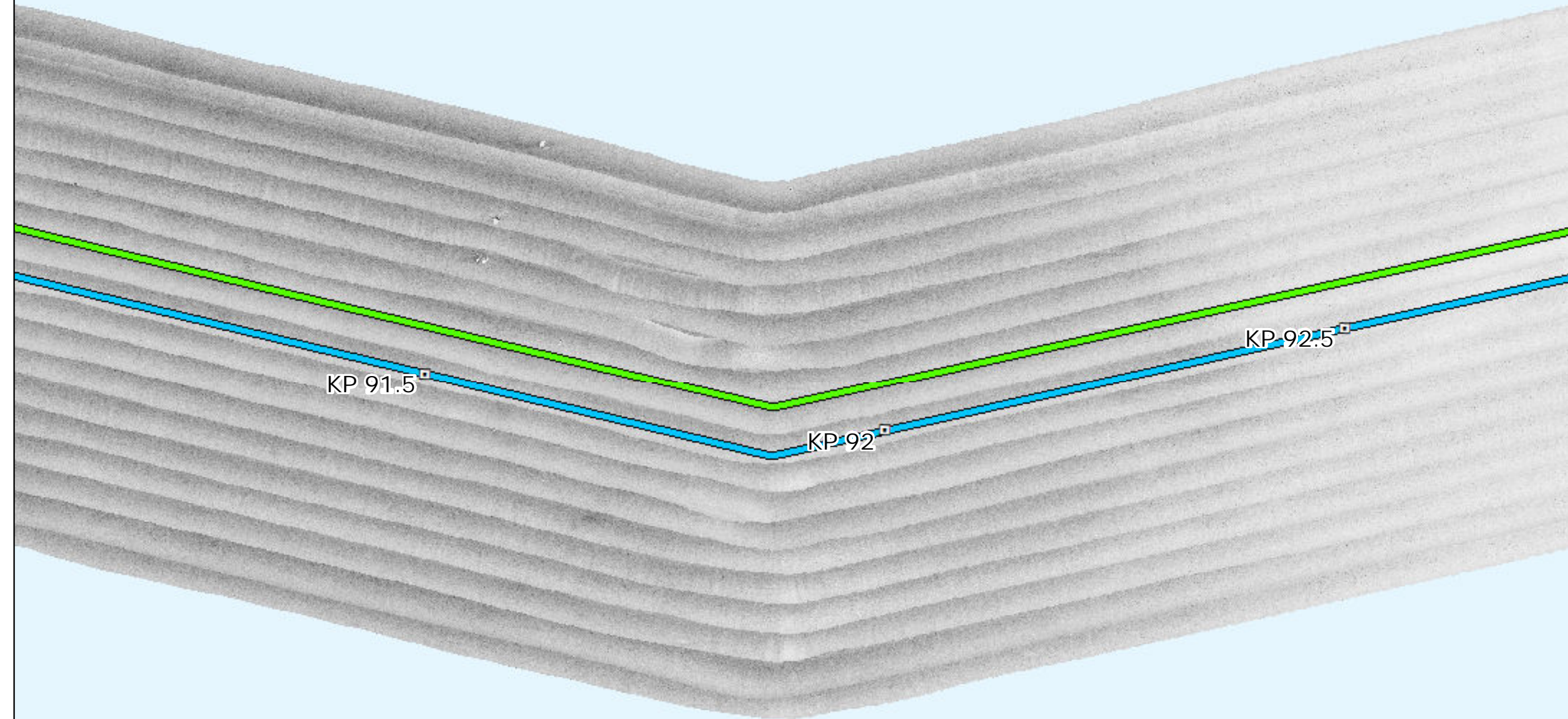
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



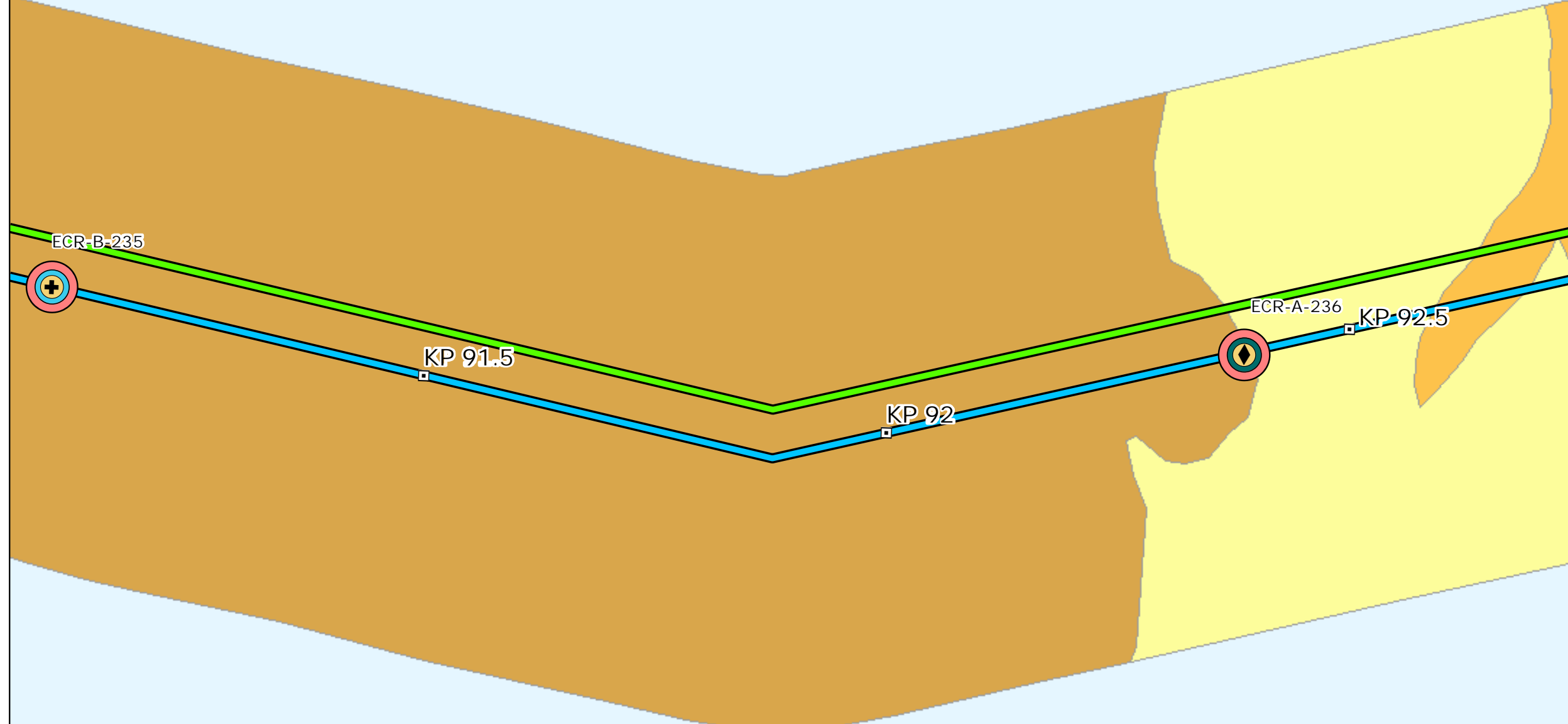
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

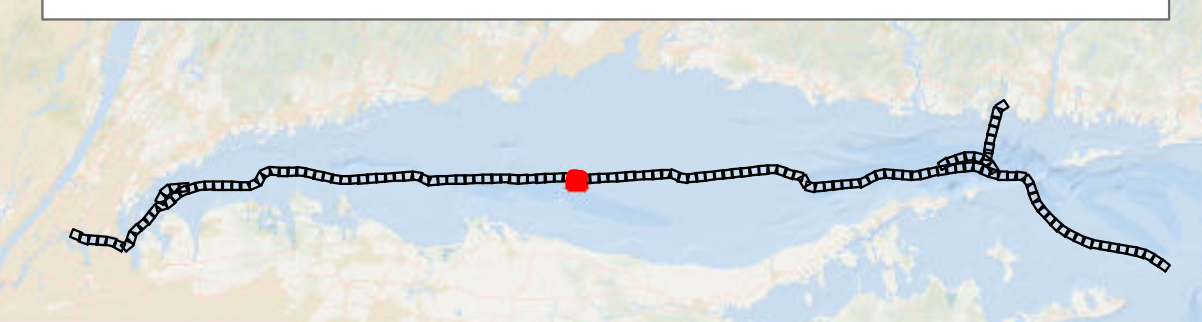


### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

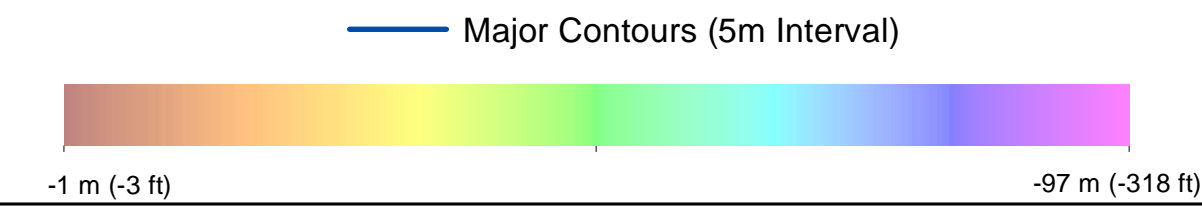


### Map Book Package for Submarine Export Cable Route in State Waters



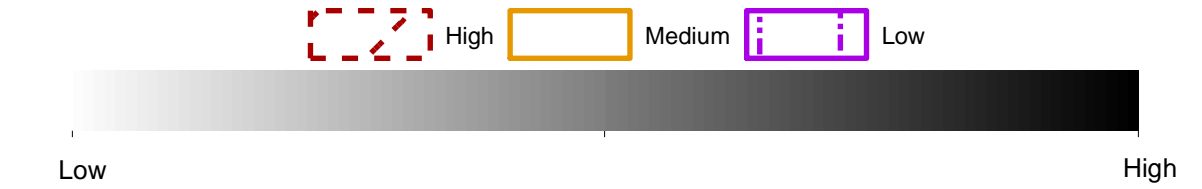
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter

##### Delineated Backscatter Intensity Returns



#### Side Scan Sonar



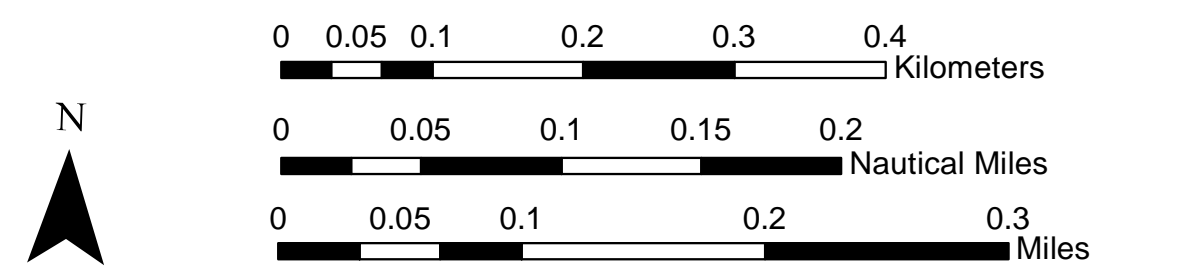
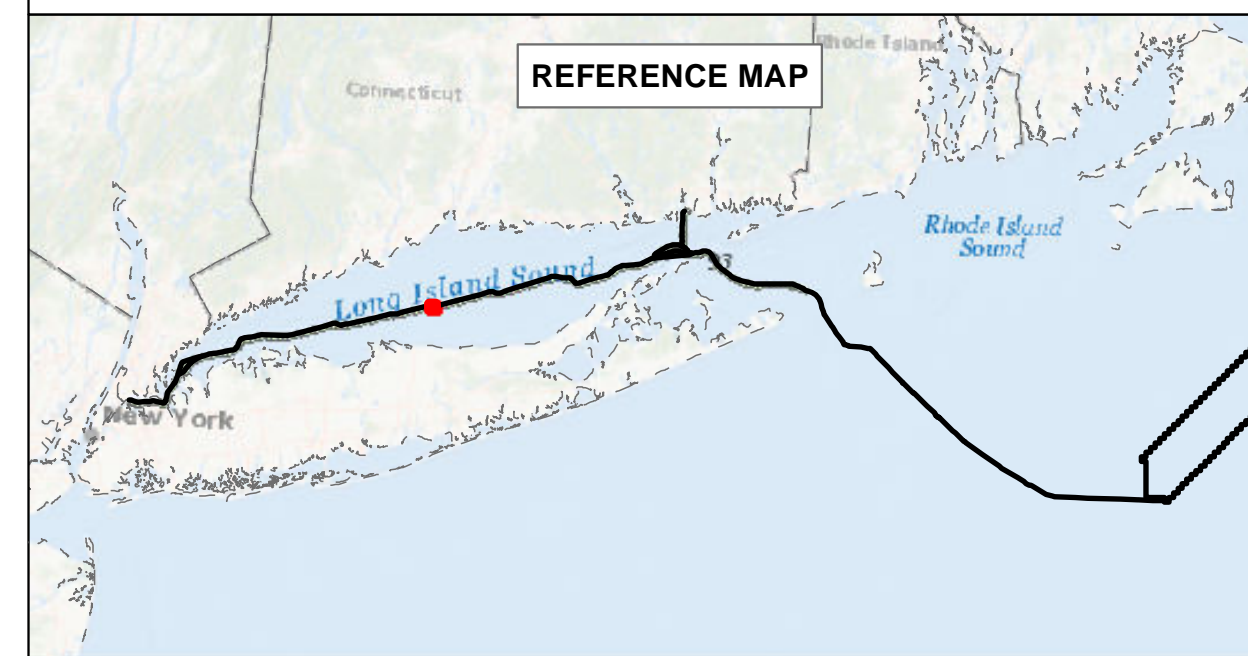
#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
- ✚ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravelly Muddy Sand
  - Sandy Mud
- CMECS Geomorph**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Sand and Muddy Sand/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
  - Mud and Sandy Mud/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



### BEACON WIND LEASE AREA OCS-A 0520

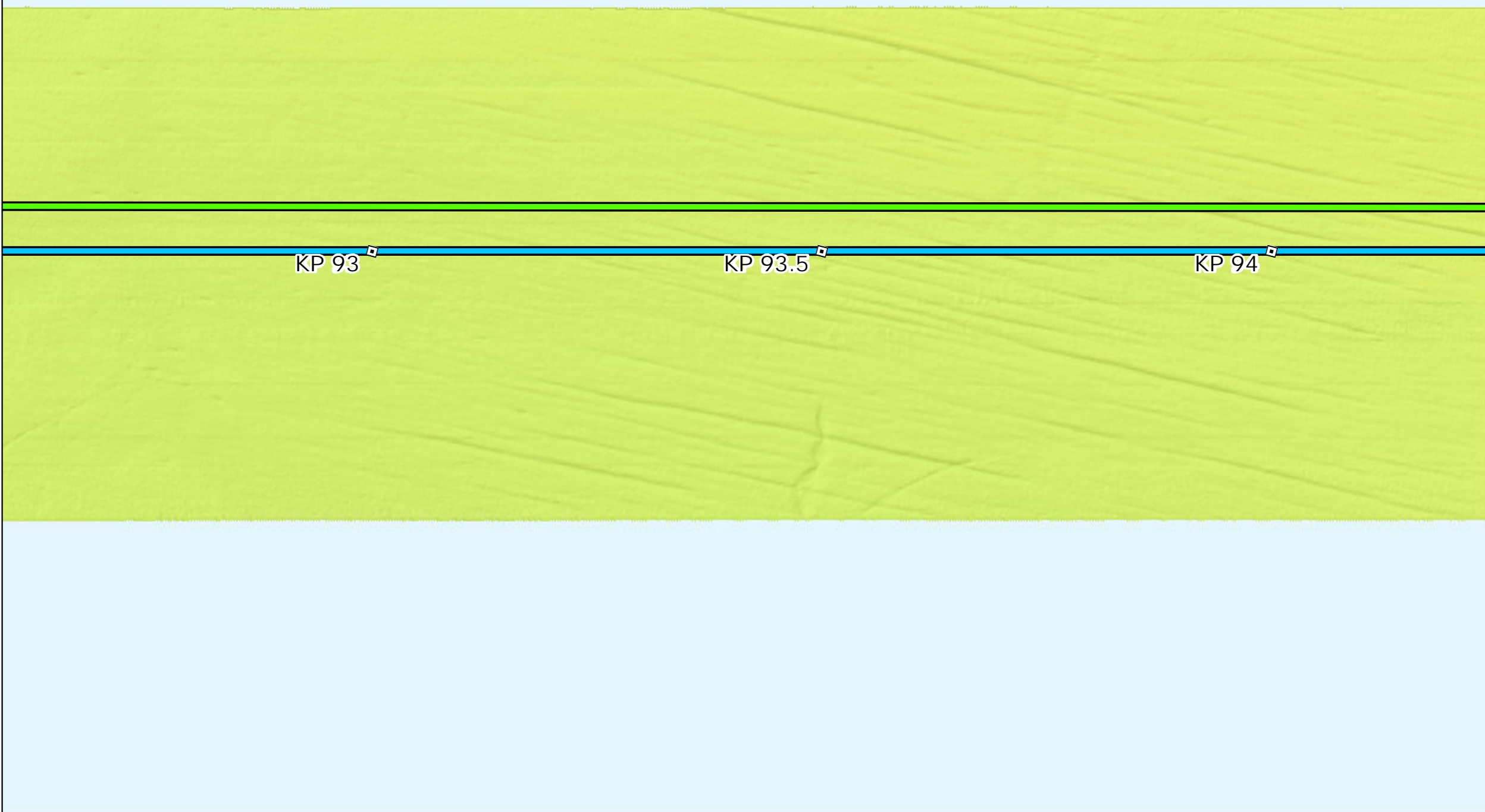
#### Map Book Package for Submarine Export Cable Route in State Waters Tile 66

BW1 (NY) - KP 91.5 - KP 92.5  
 BW2 (NY) - KP 91.5 - KP 92.5  
 BW2 (CT) - N/A



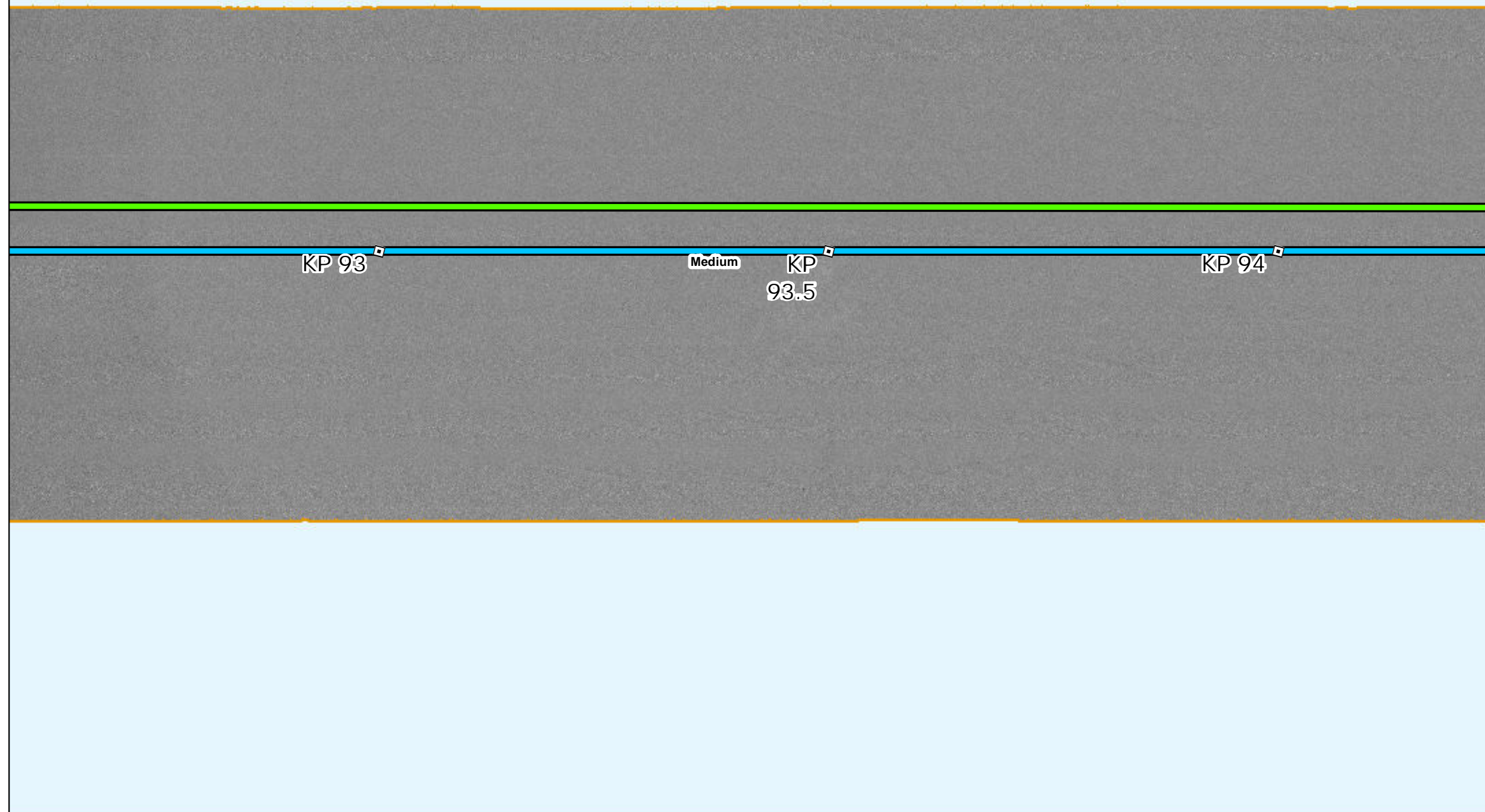
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



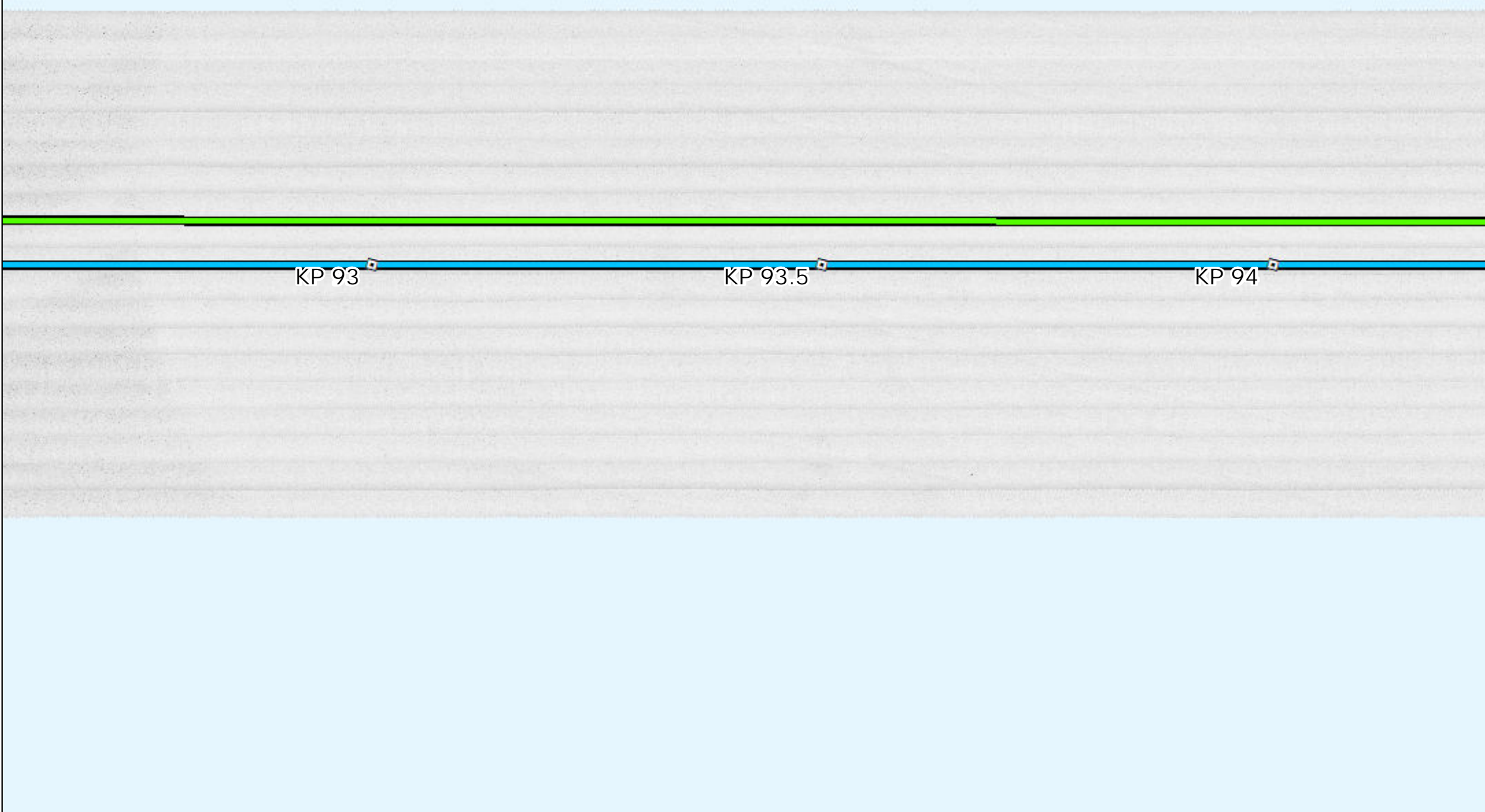
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



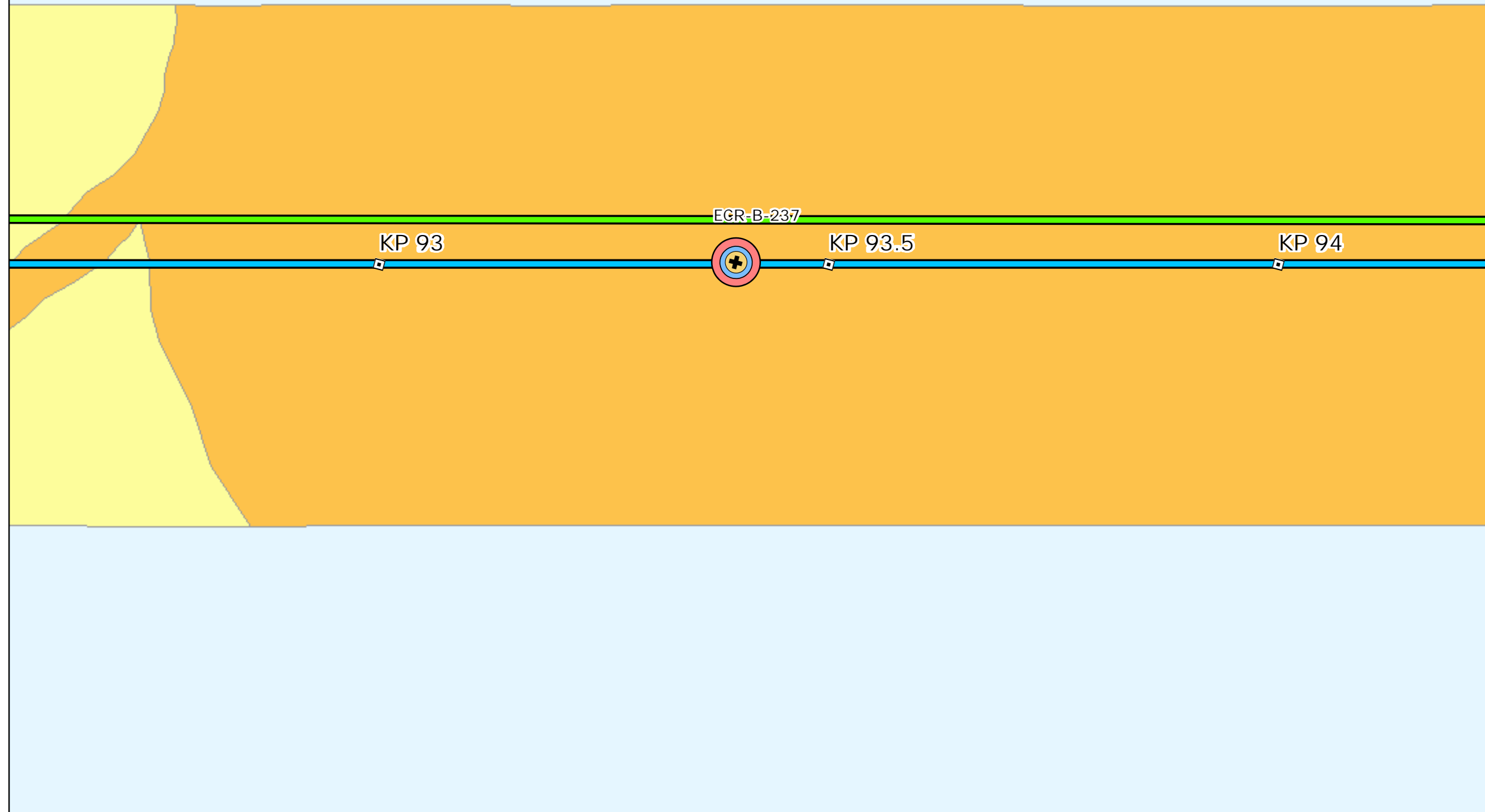
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

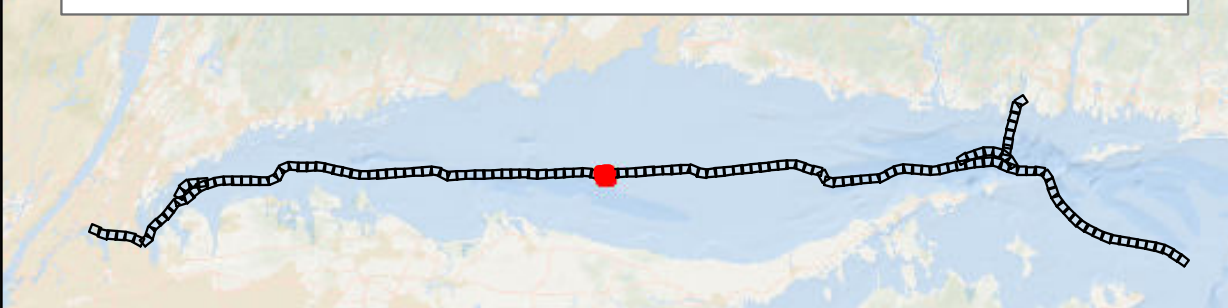


# Interpreted Seabed Sediment/NMFS Habitat Characterization

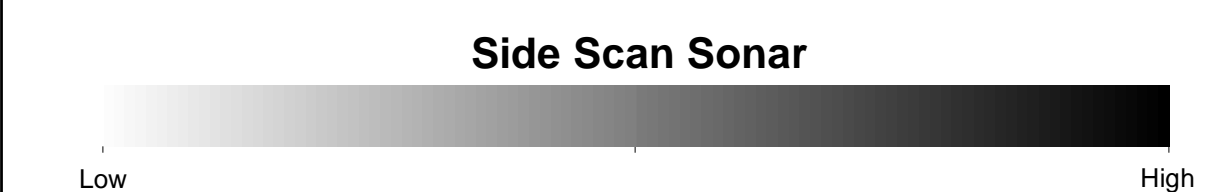
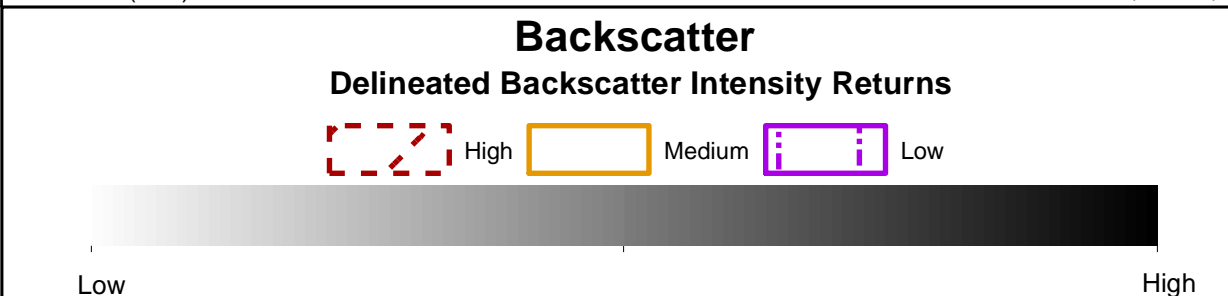
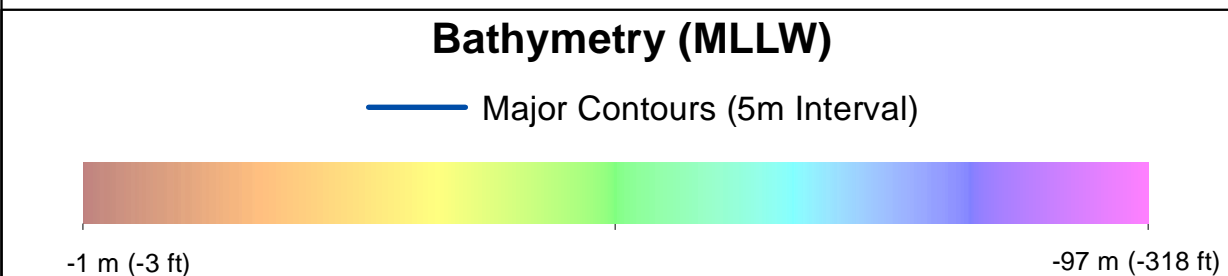
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

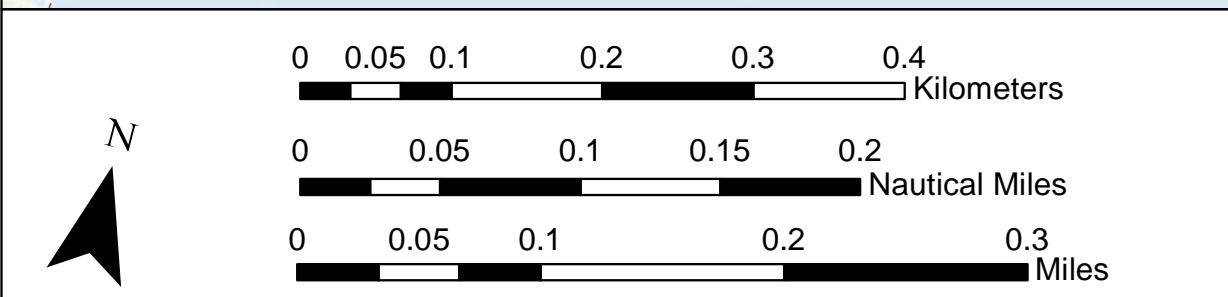
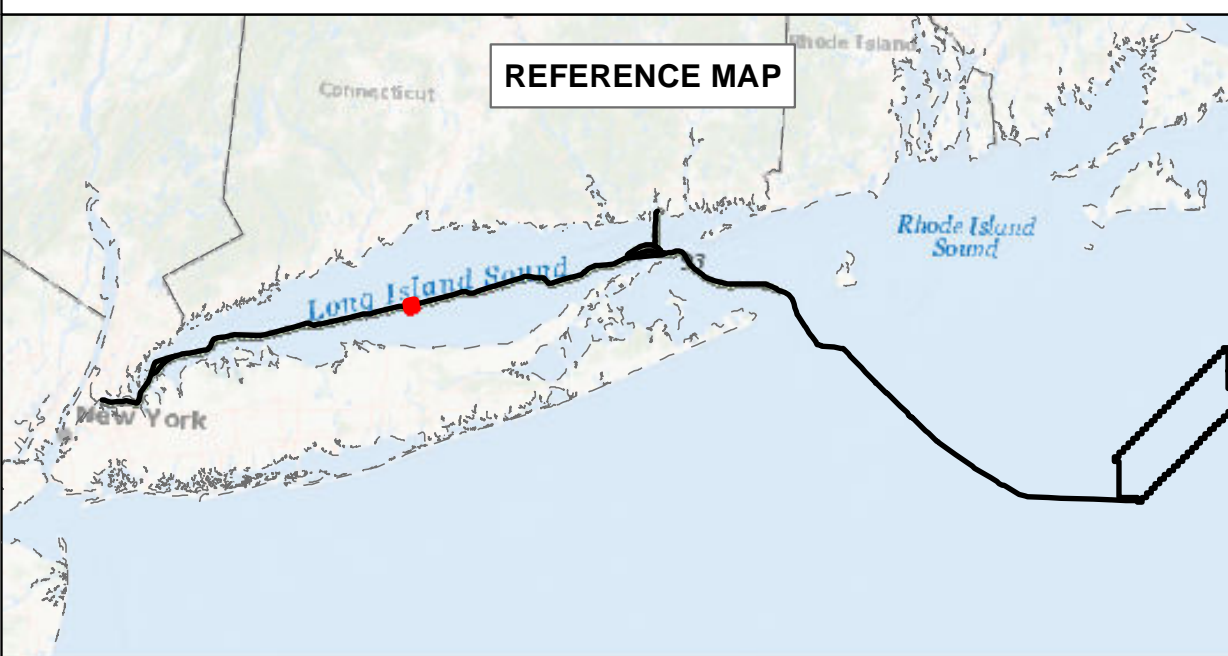


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Gravelly Mud
  - CMECS Geofom**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

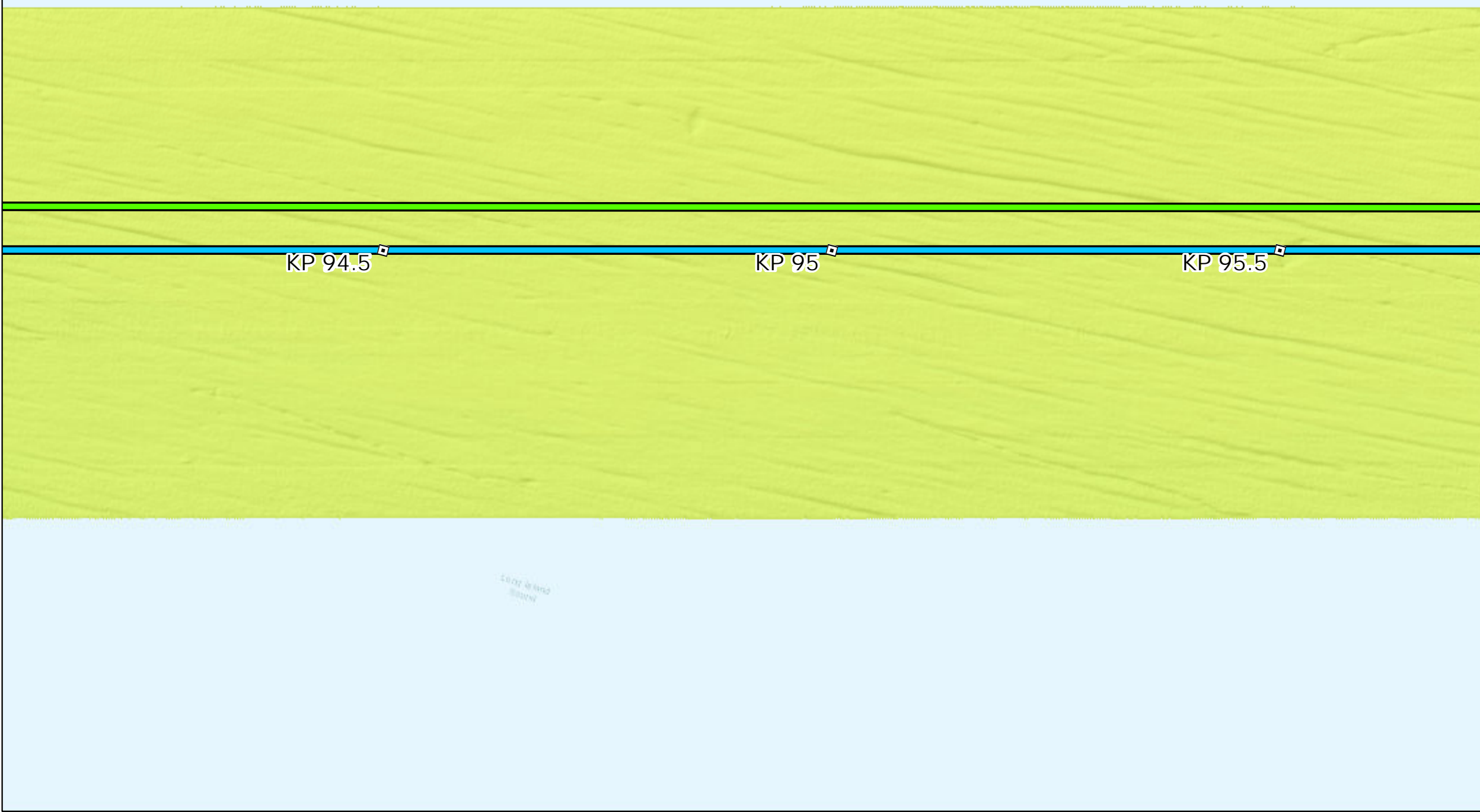
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 67

BW1 (NY) - KP 93 - KP 94  
BW2 (NY) - KP 93 - KP 94  
BW2 (CT) - N/A



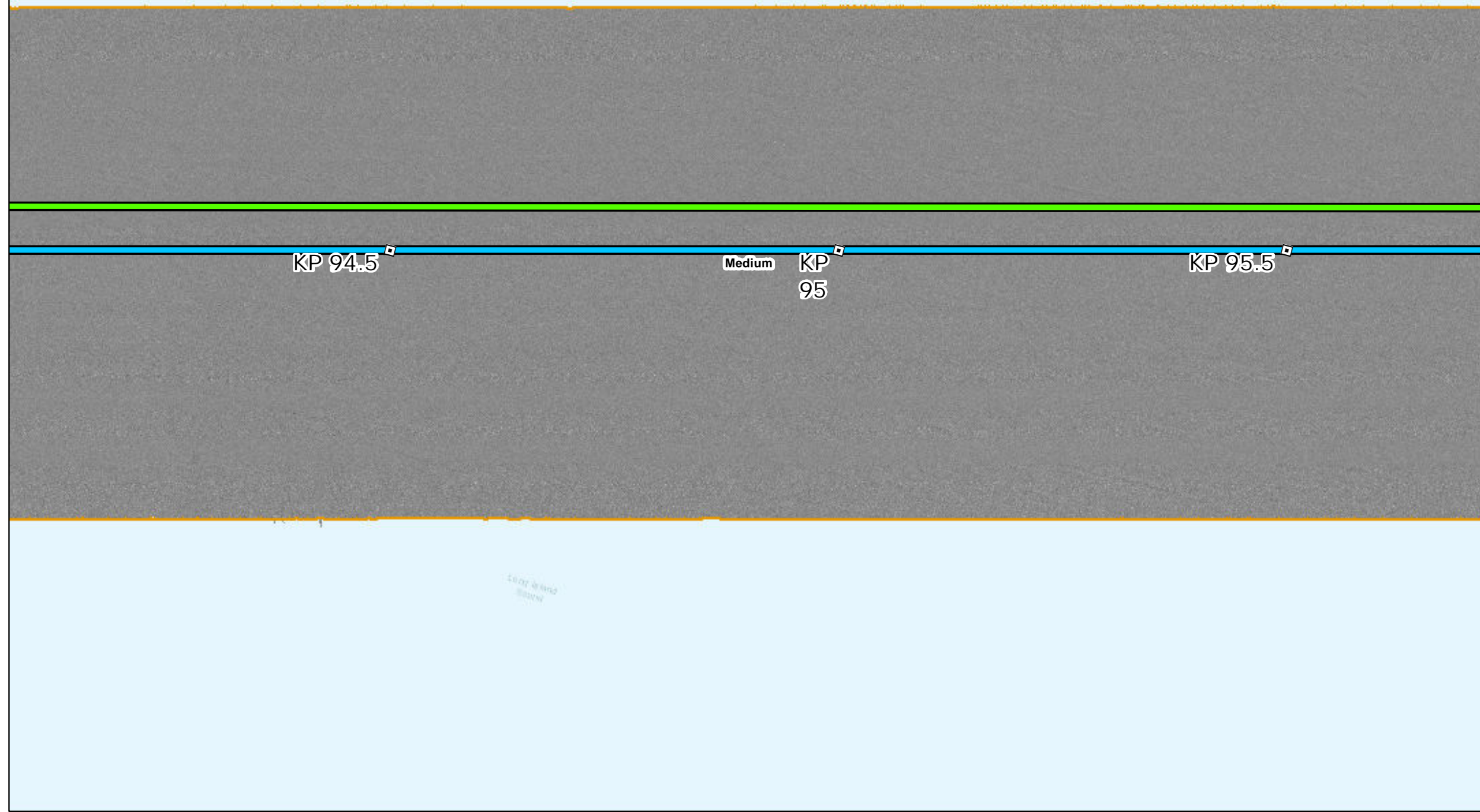
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



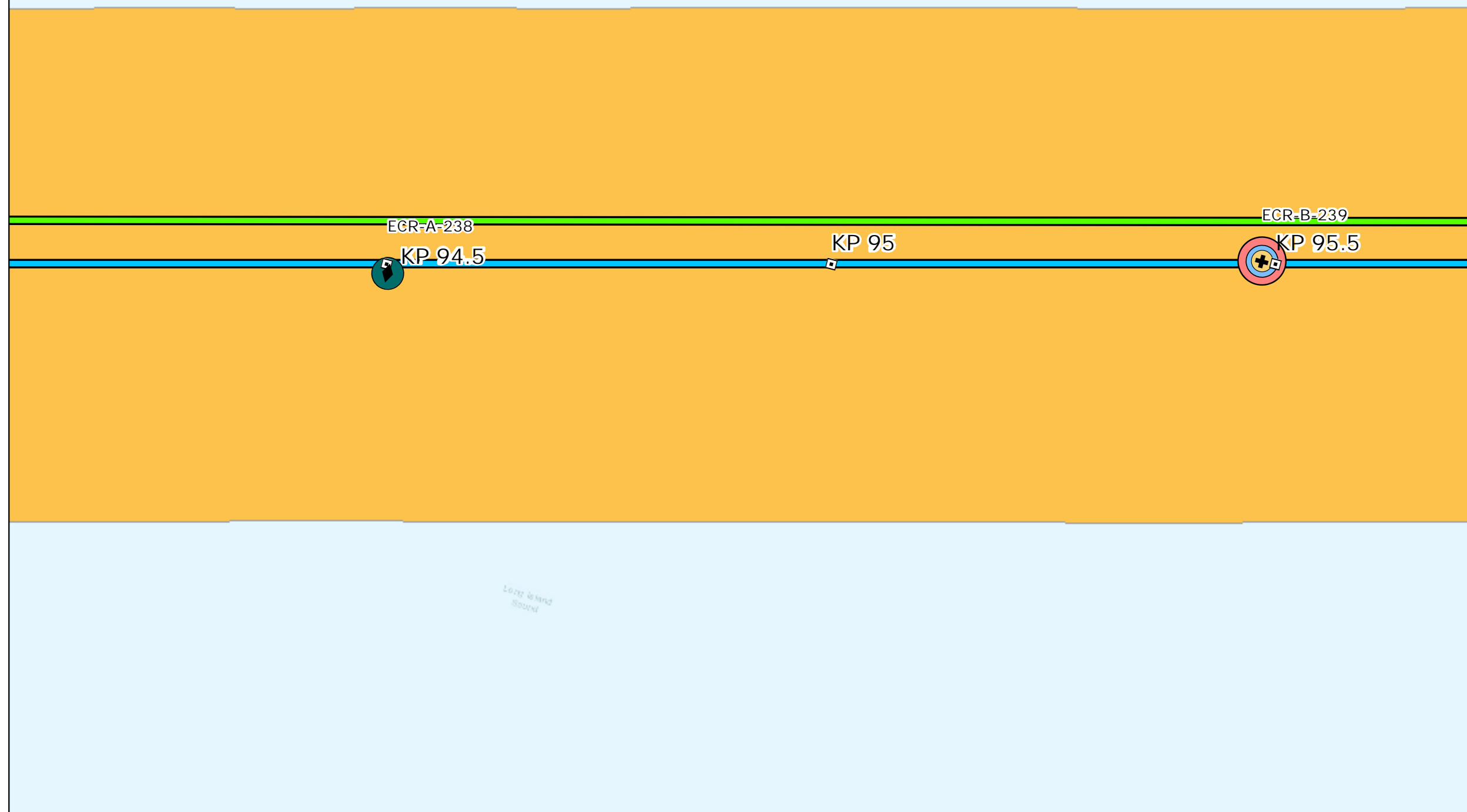
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

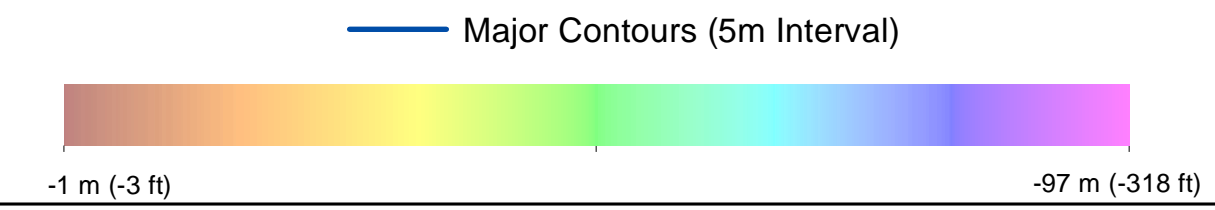


# Map Book Package for Submarine Export Cable Route in State Waters

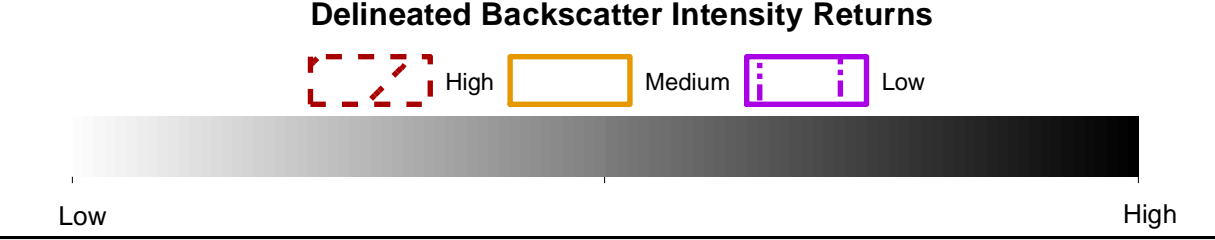


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar

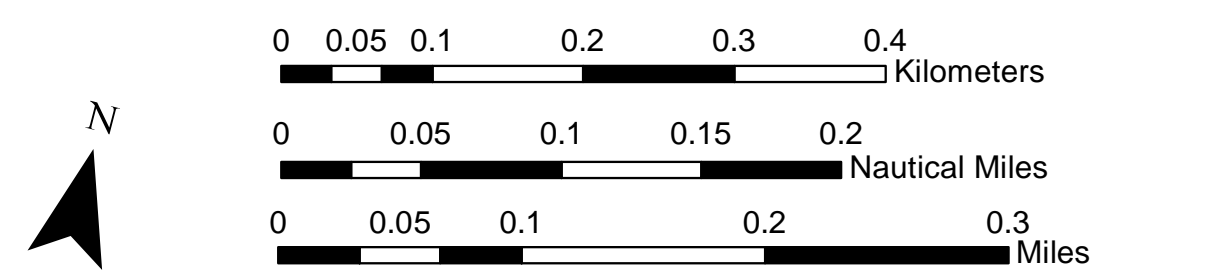
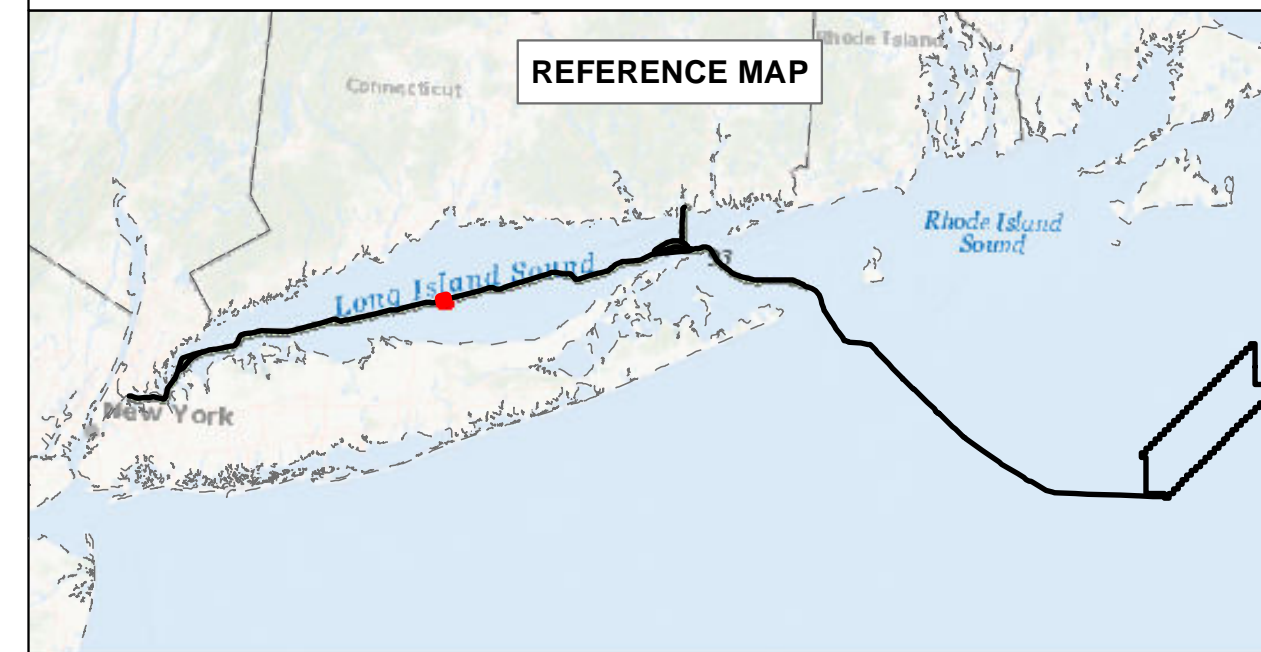


## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - Grab and Video
  - SPI/PV
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Gravelly Mud
  - Sandy Mud
- CMECS Geoform**
  - Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

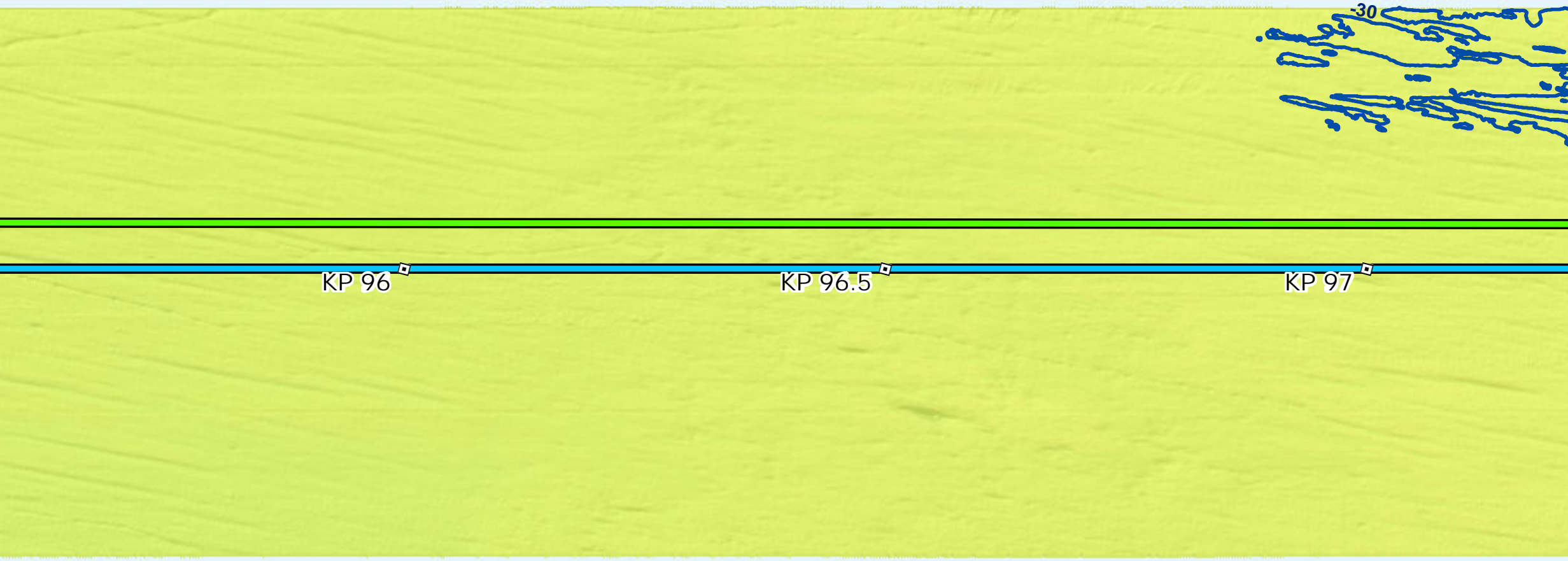


**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 68  
BW1 (NY) - KP 94.5 - KP 95.5  
BW2 (NY) - KP 94.5 - KP 95.5  
BW2 (CT) - N/A



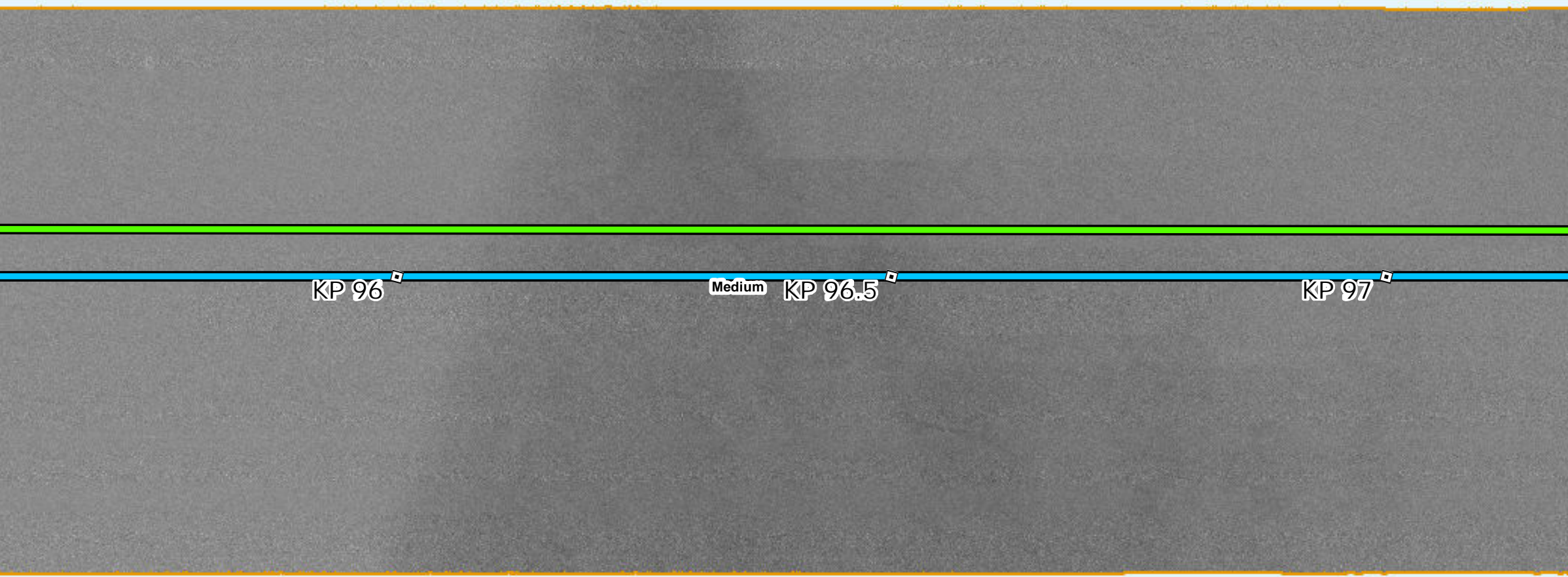
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



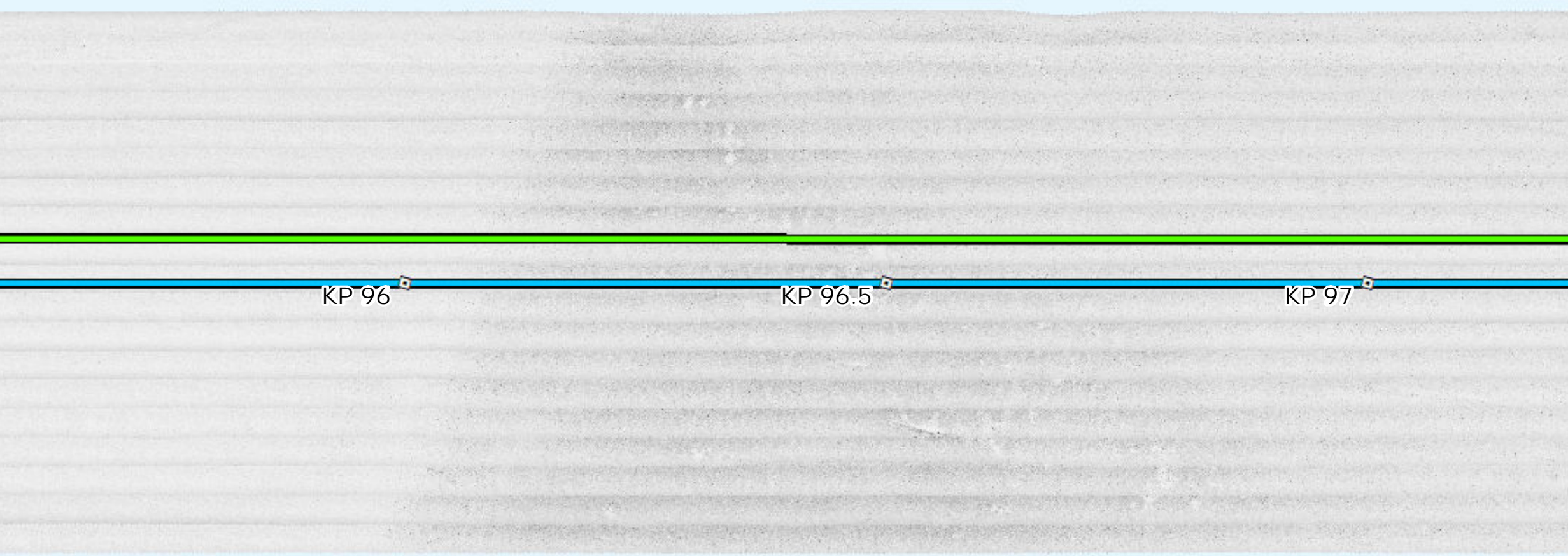
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



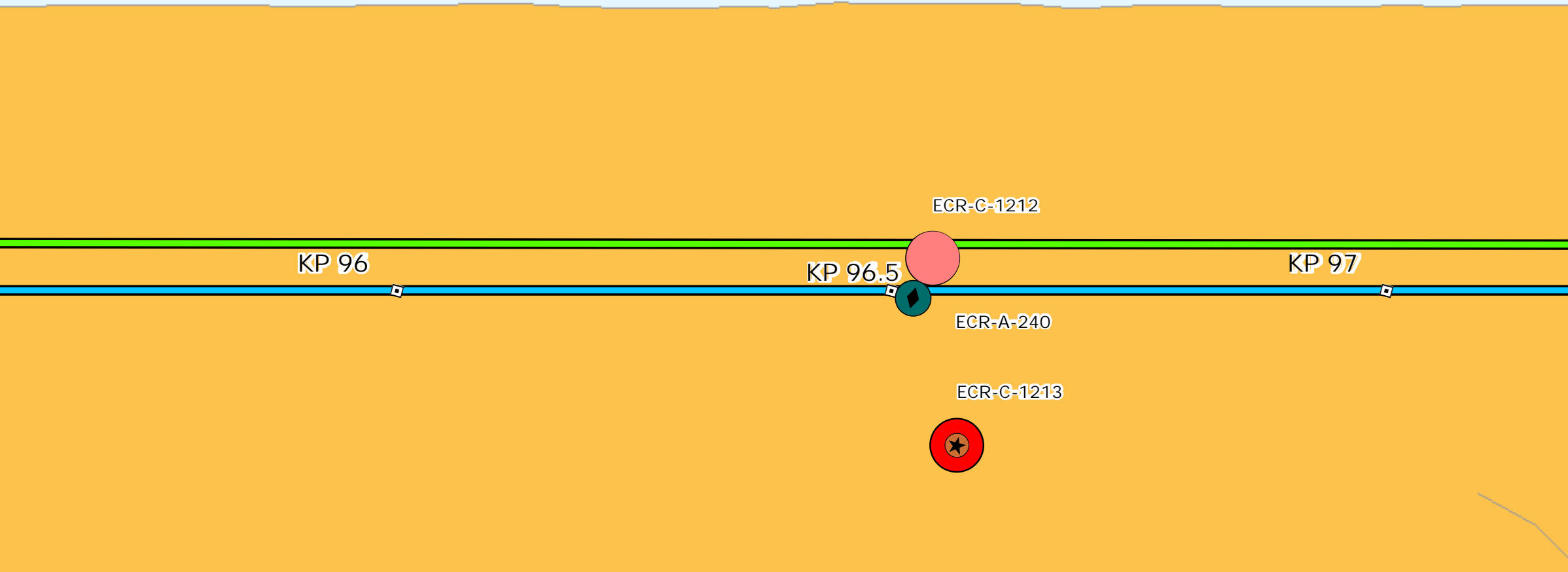
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

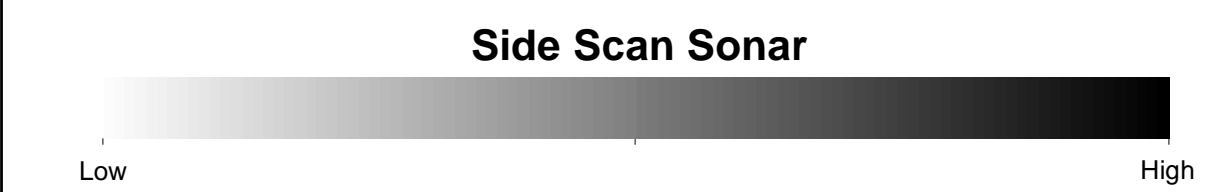
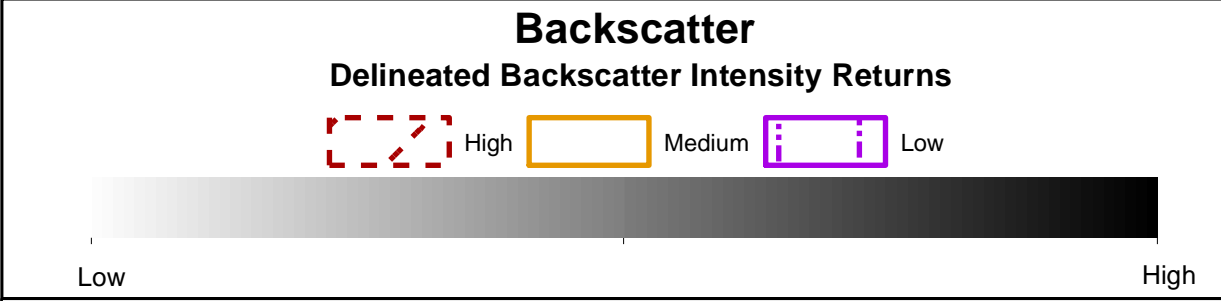
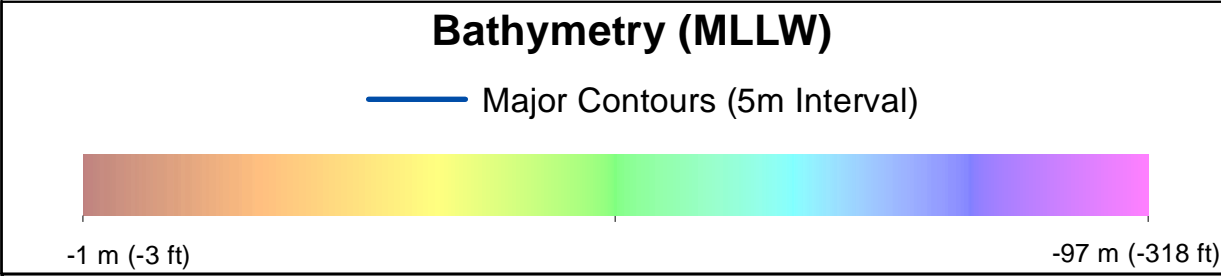
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



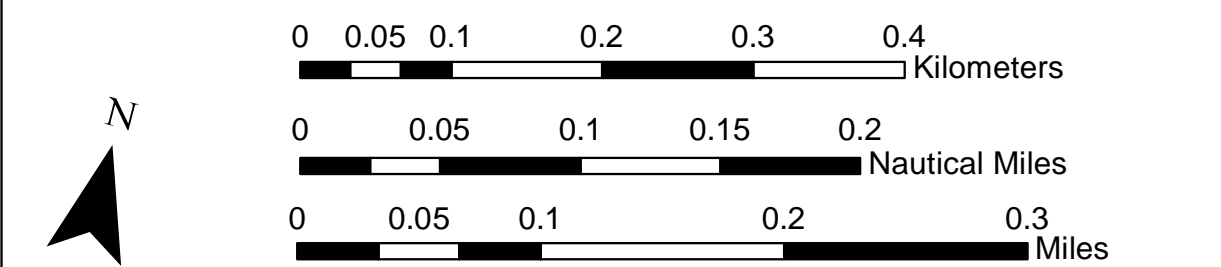
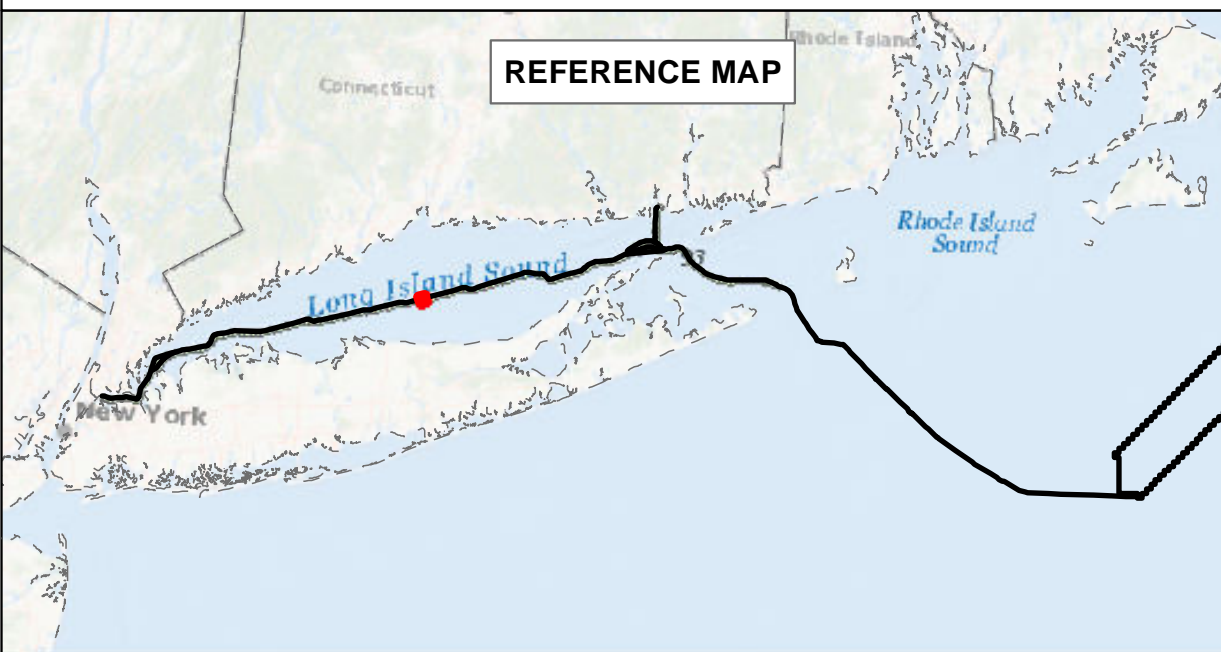
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ◆ SPI/PV               | Mixed Sediment/Complex Habitat                                   |
| ★ Video                |  |
| <b>CMECS Biotic</b>    |  |
| ● Large Macrofauna     |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Sandy Mud            |  |
| <b>CMECS Geofom</b>    |  |
| ● Boulder Field        |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

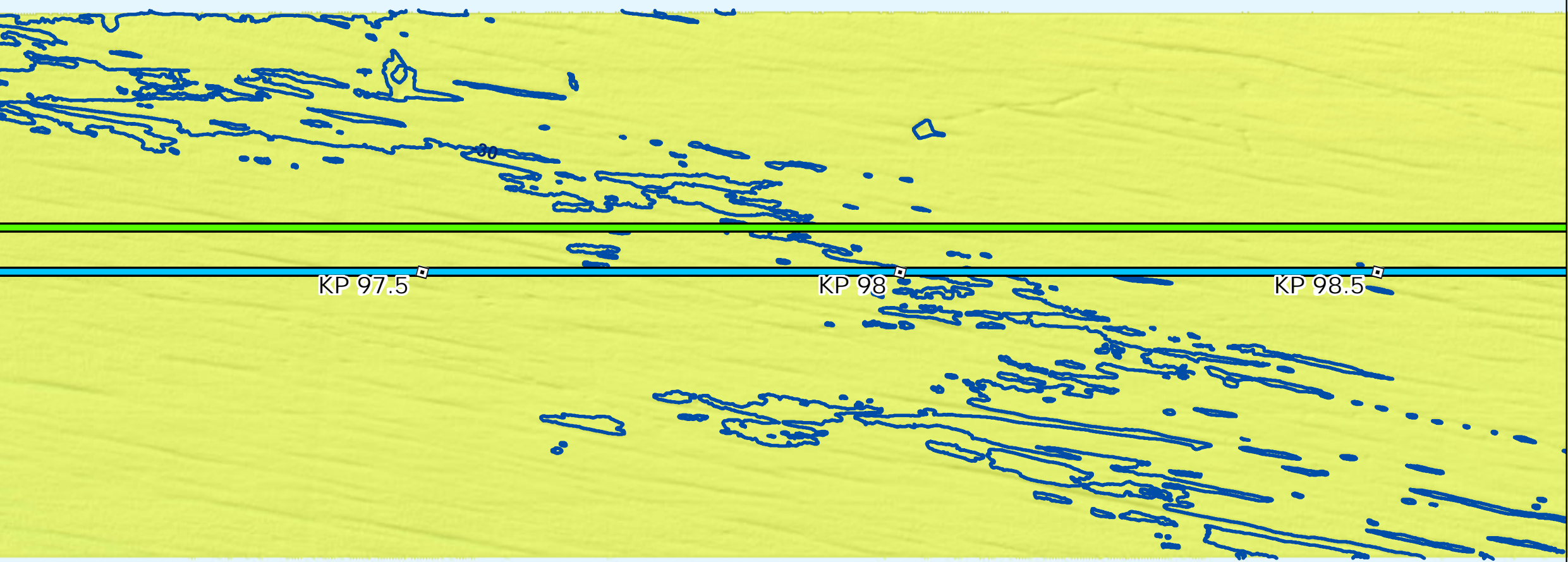
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 69

BW1 (NY) - KP 96 - KP 97  
BW2 (NY) - KP 96 - KP 97  
BW2 (CT) - N/A



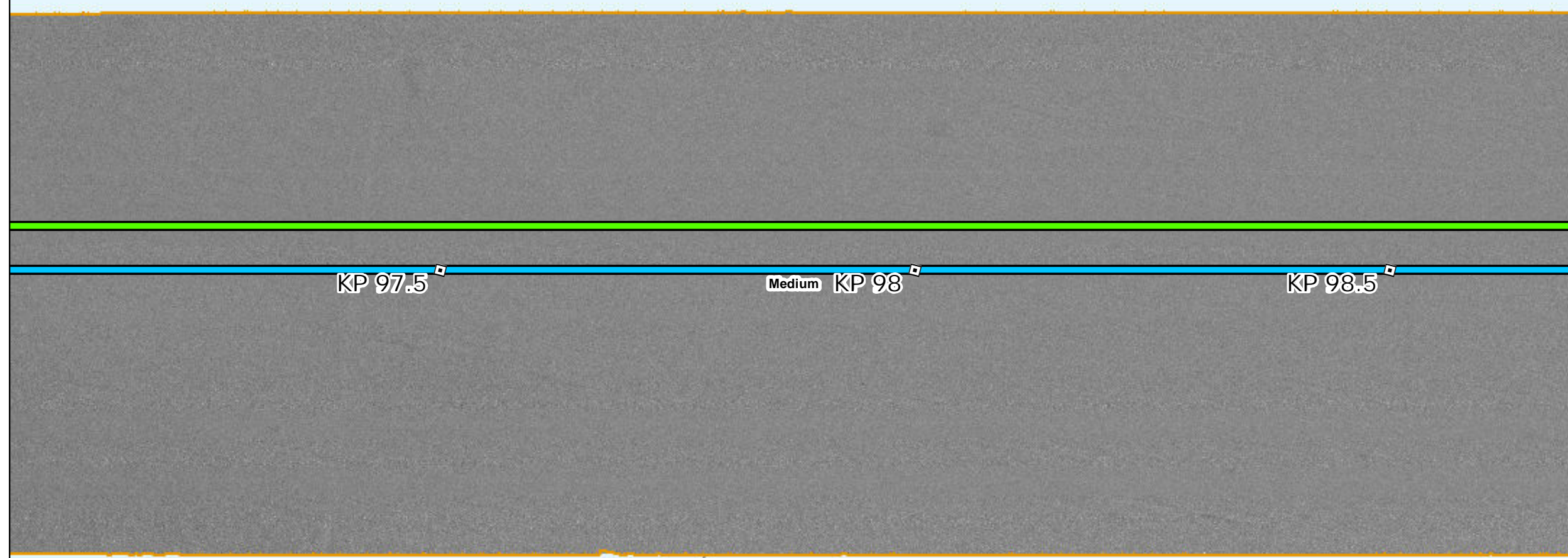
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



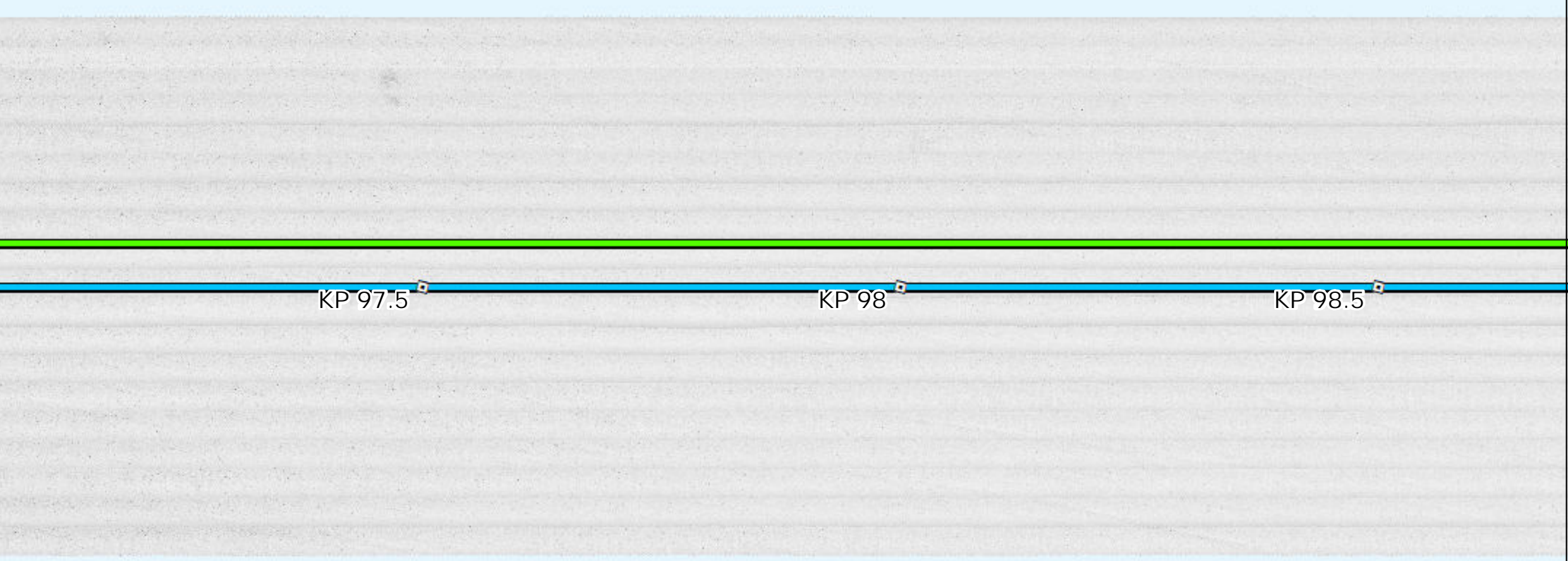
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

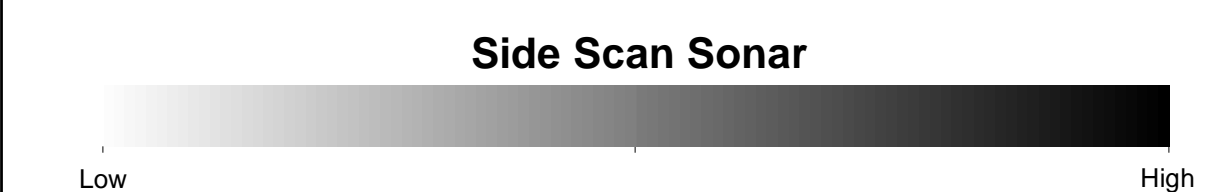
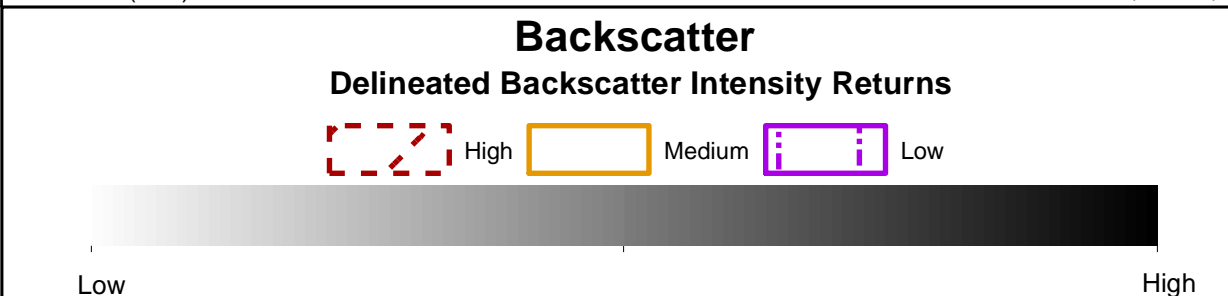
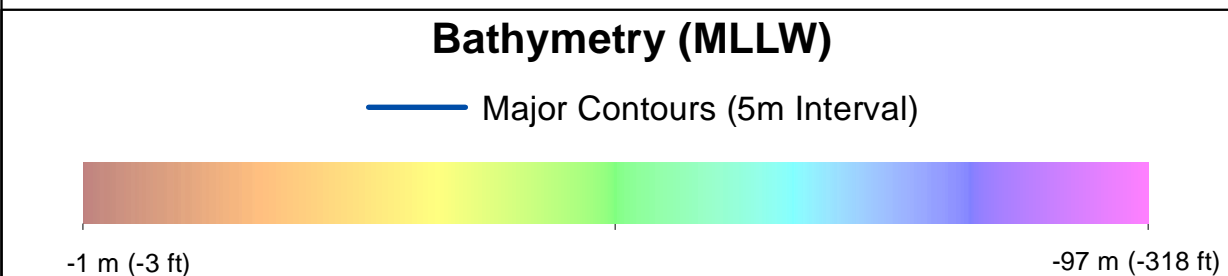
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



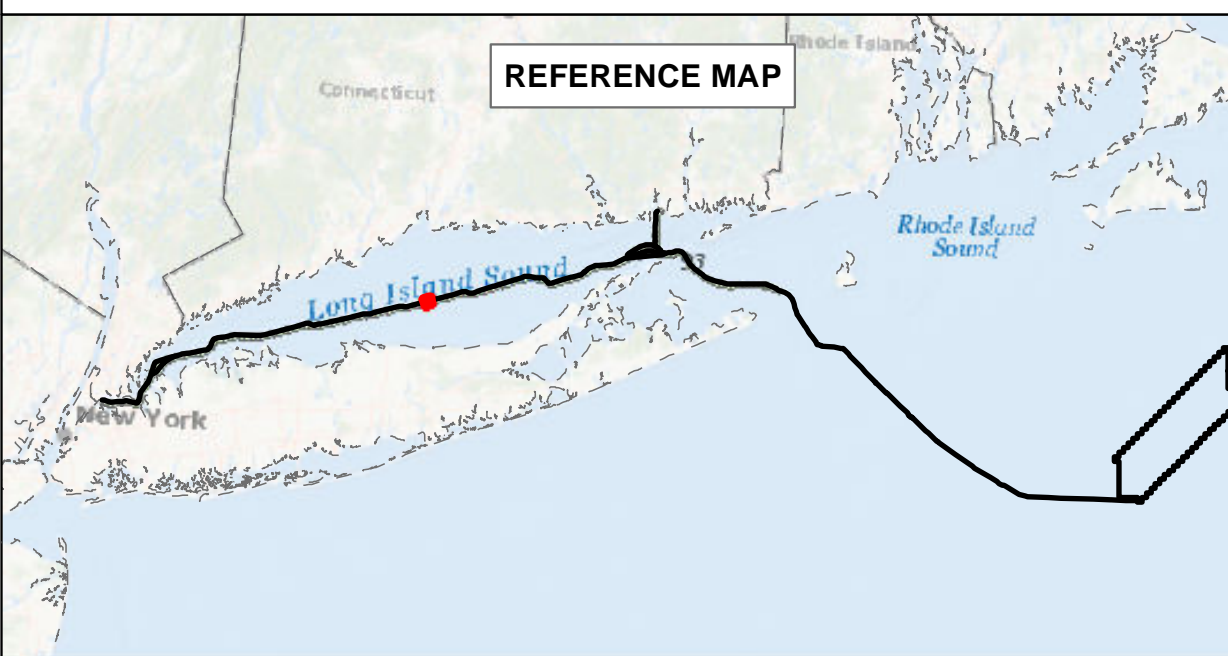
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | Mixed Sediment/Complex Habitat                                   |
| ◆ SPI/PV               |  |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Mud         |  |
| ● Sandy Mud            |  |
| <b>CMECS Geoform</b>   |  |
| ● Burrows/Bioturbation |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

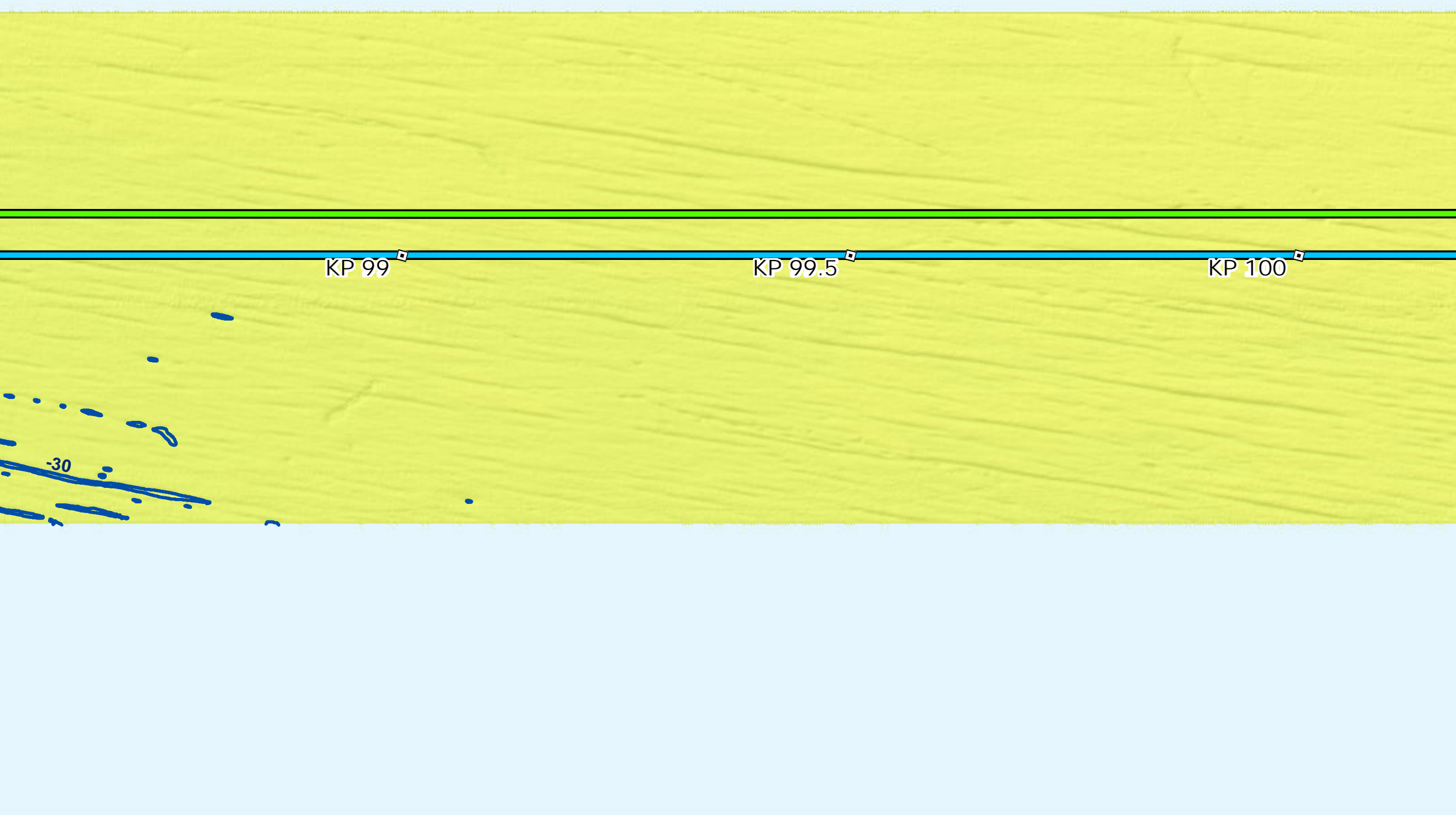
#### Tile 70

BW1 (NY) - KP 97.5 - KP 98.5  
BW2 (NY) - KP 97.5 - KP 98.5  
BW2 (CT) - N/A



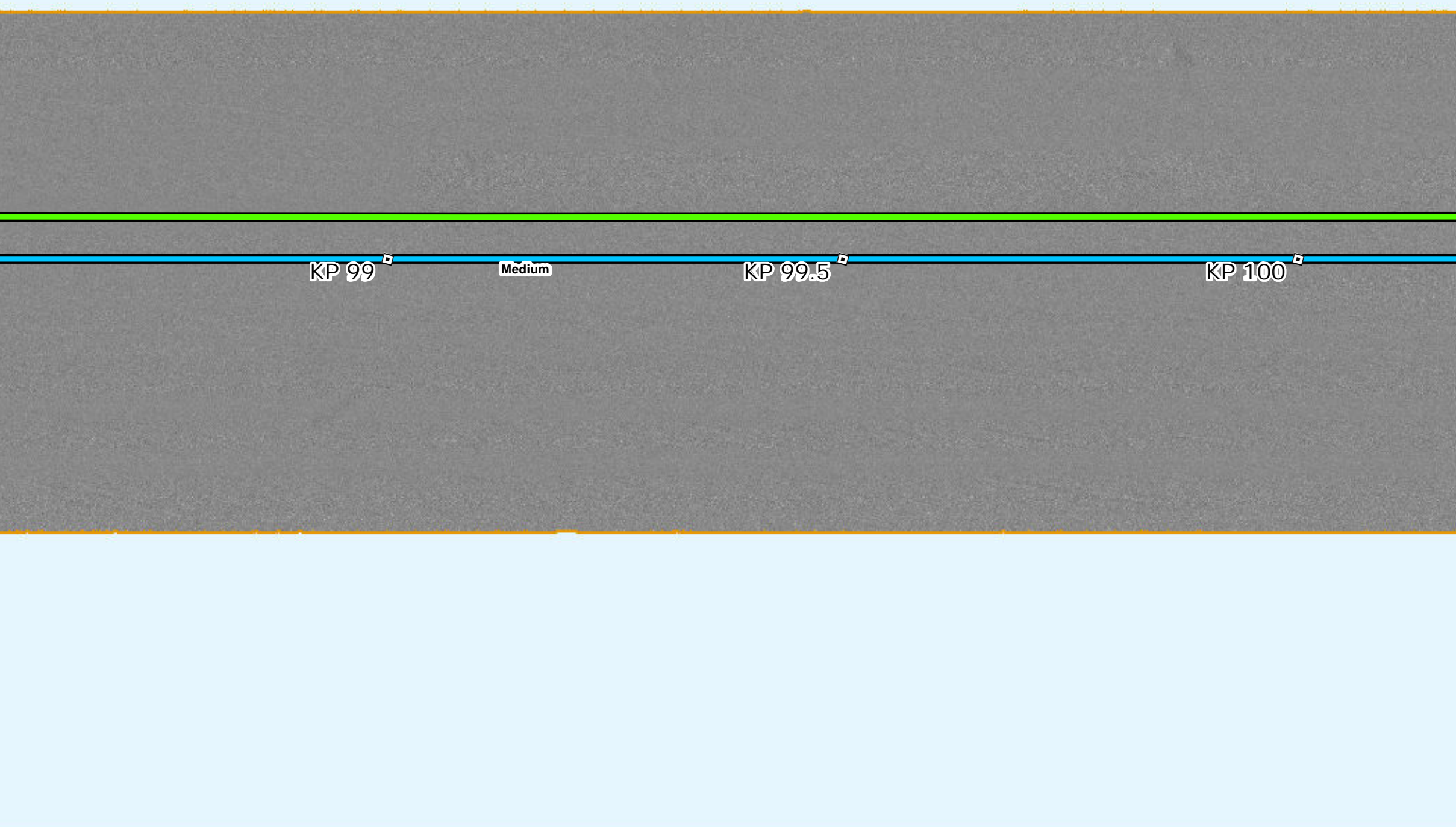
## Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



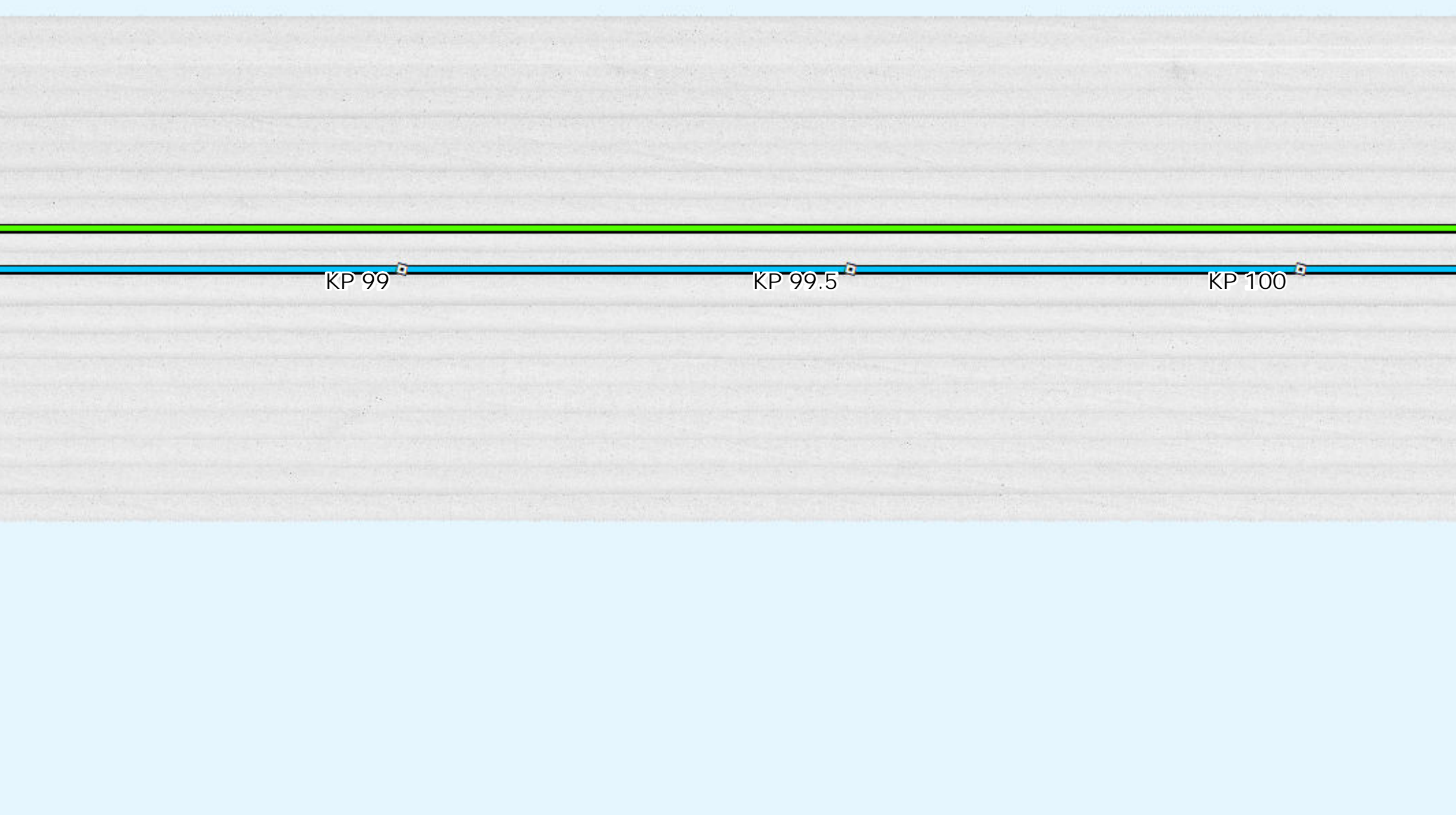
## Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



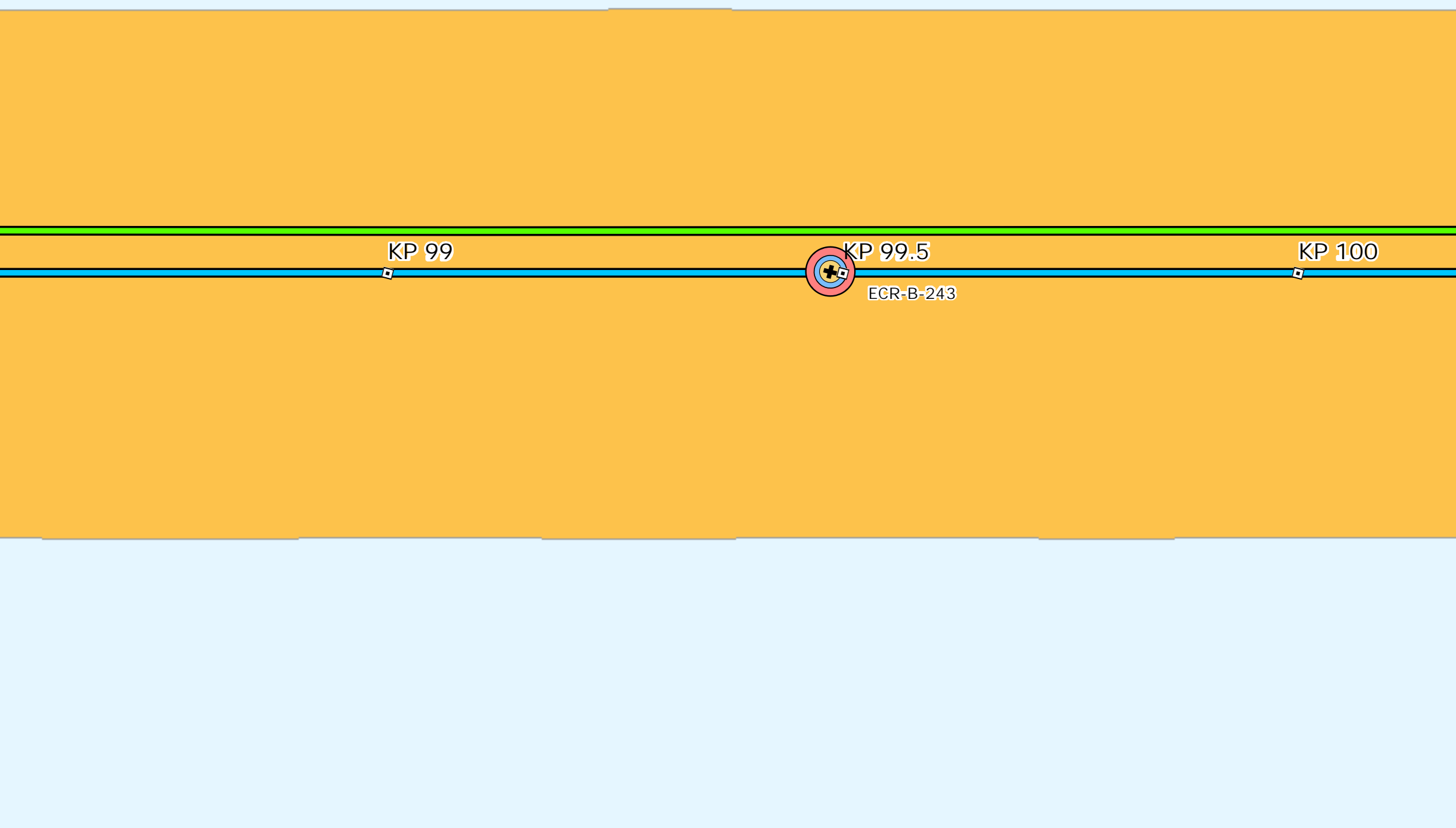
## Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



## Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



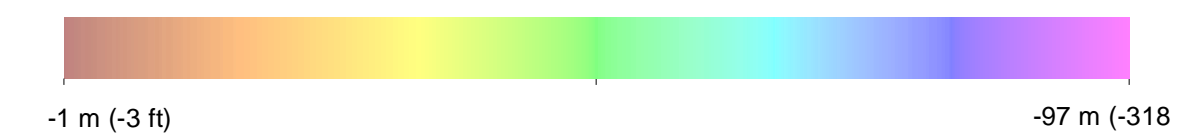
## Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

### Bathymetry (MLLW)

— Major Contours (5m Interval)



### Backscatter Delineated Backscatter Intensity Returns



### Side Scan Sonar



### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

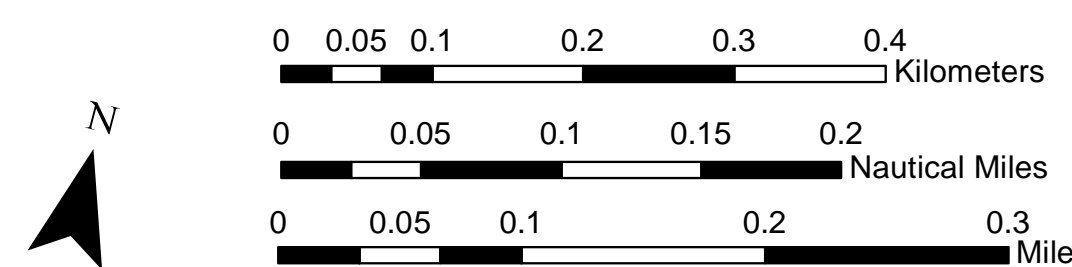
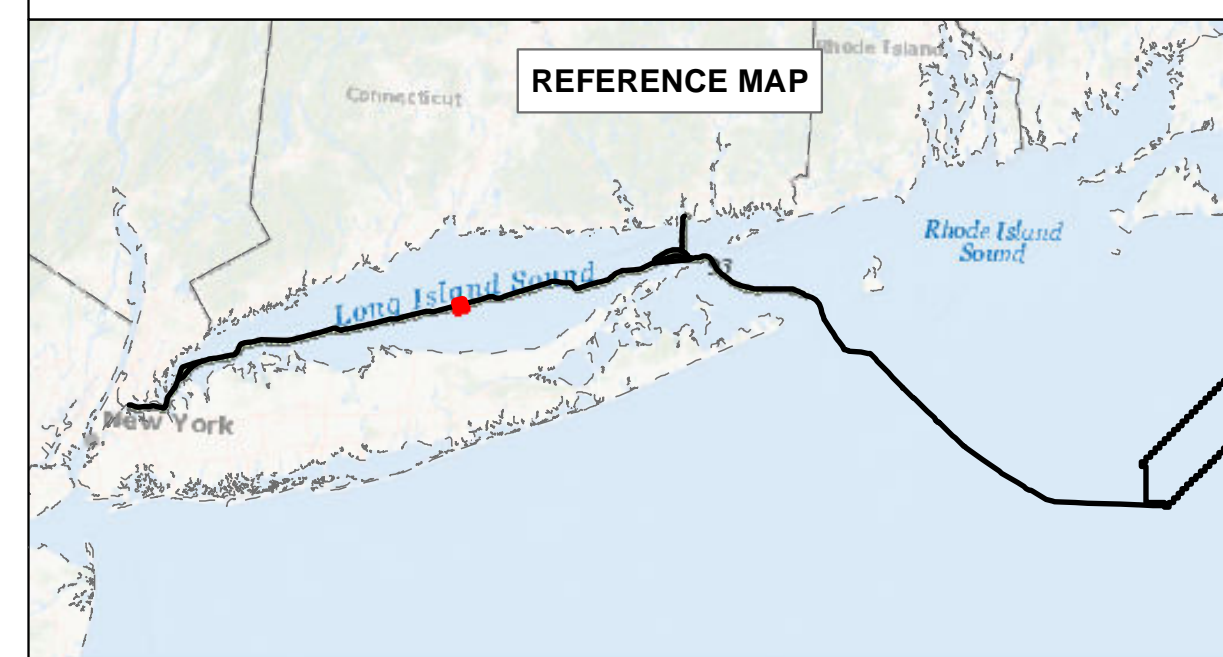
- Station Type**
  - + Grab and Video
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Gravelly Mud
- CMECS Geofom**
  - Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



## BEACON WIND LEASE AREA OCS-A 0520

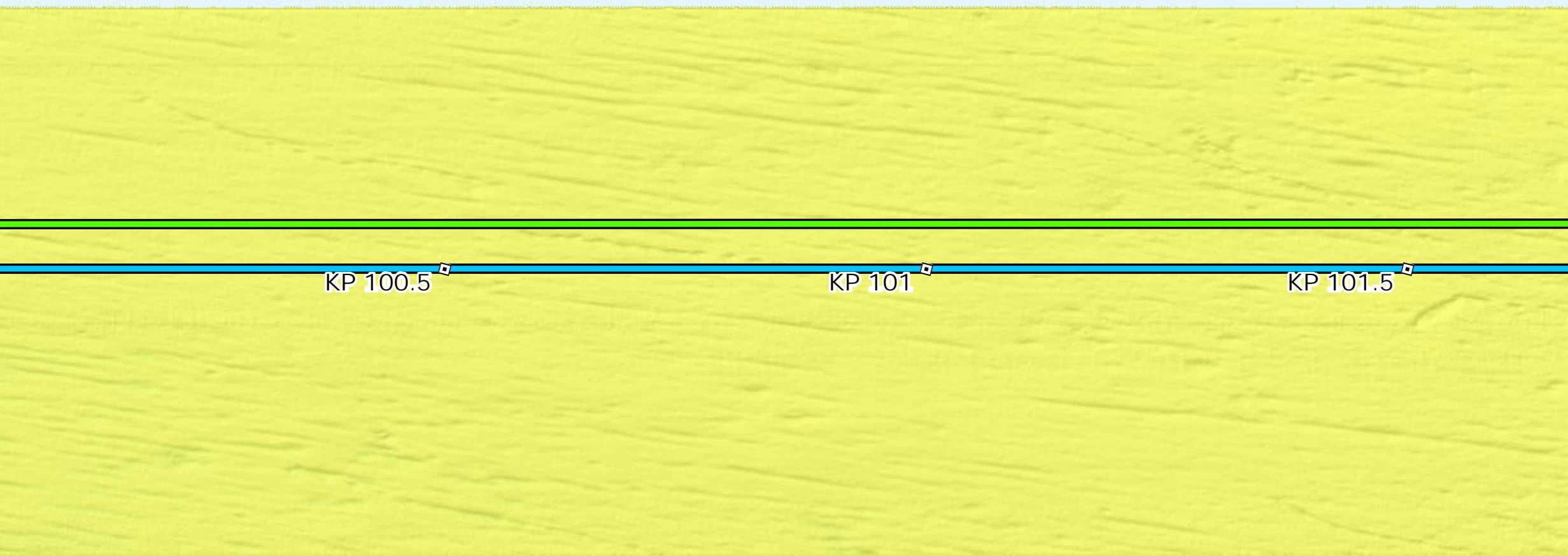
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 71

BW1 (NY) - KP 99 - KP 100  
BW2 (NY) - KP 99 - KP 100  
BW2 (CT) - N/A



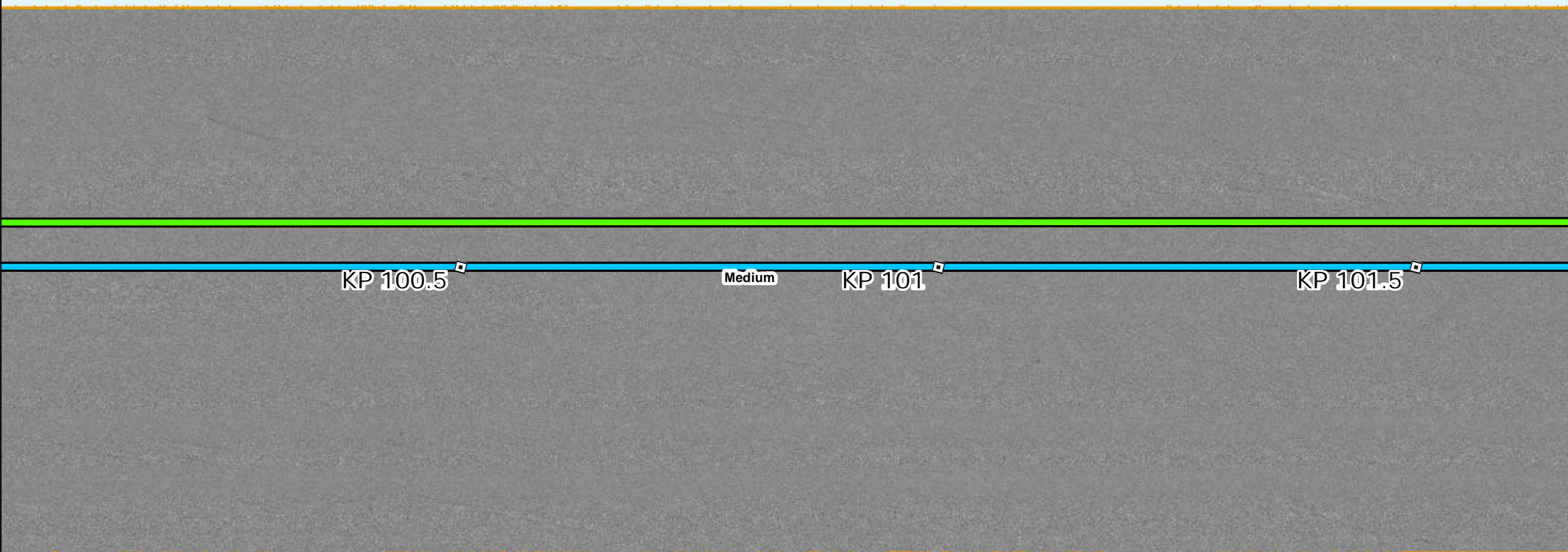
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



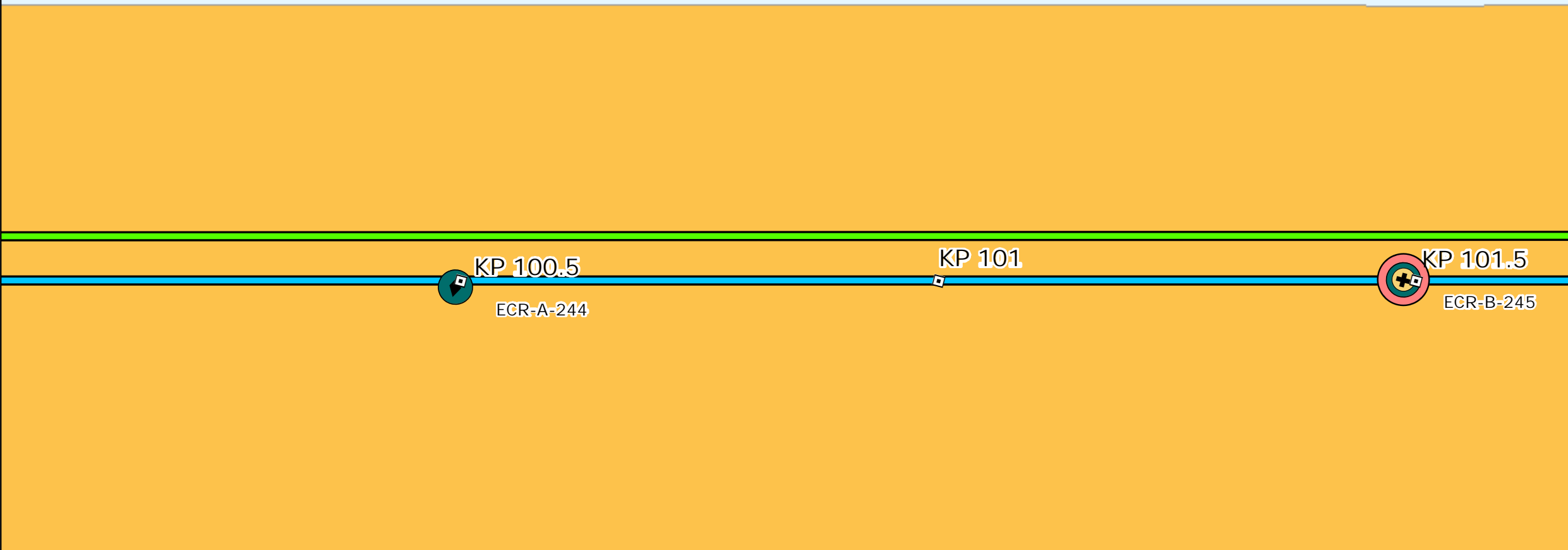
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

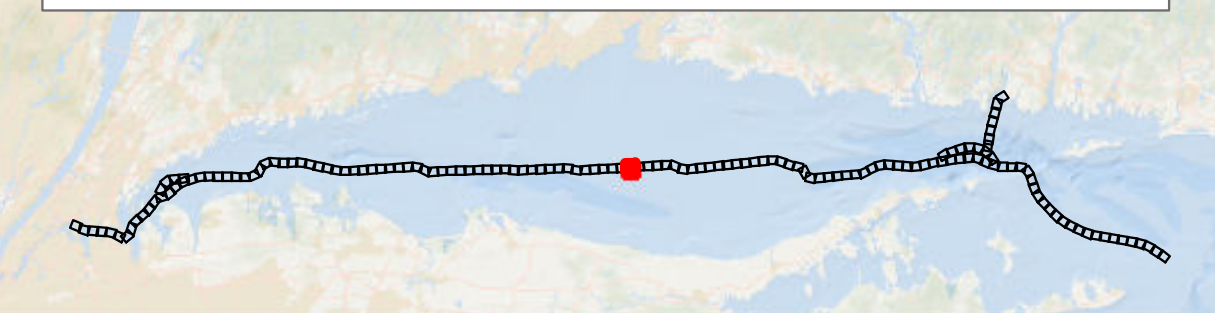


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

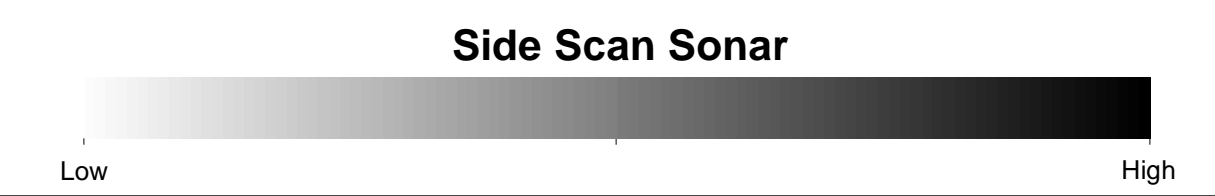
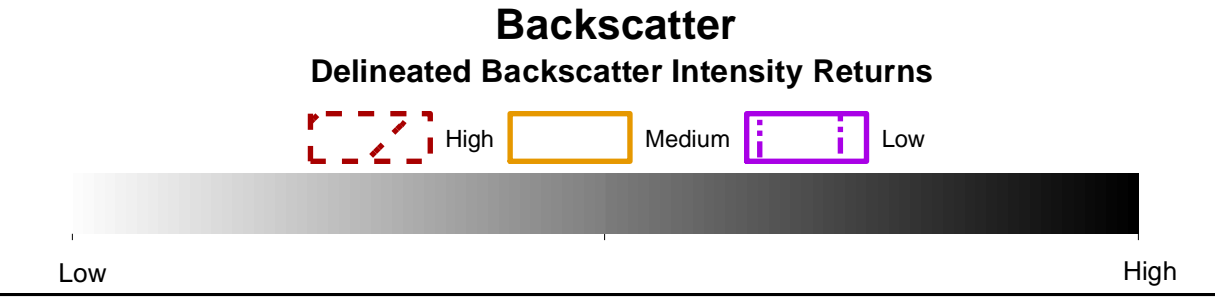
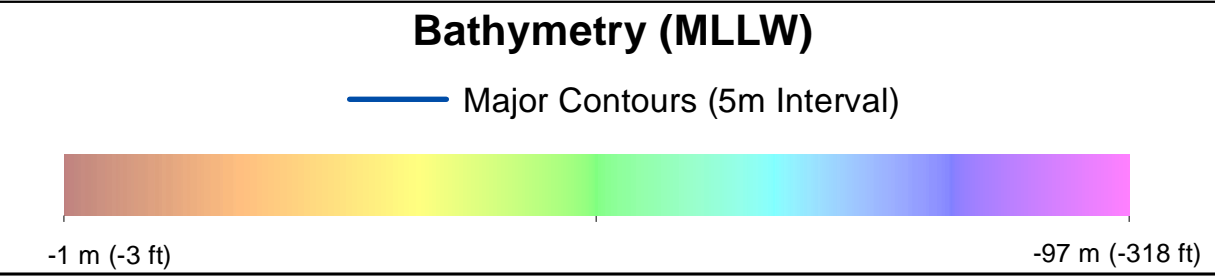
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



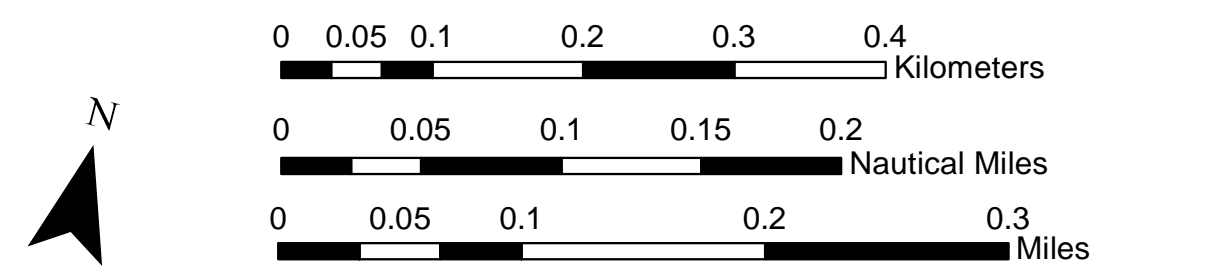
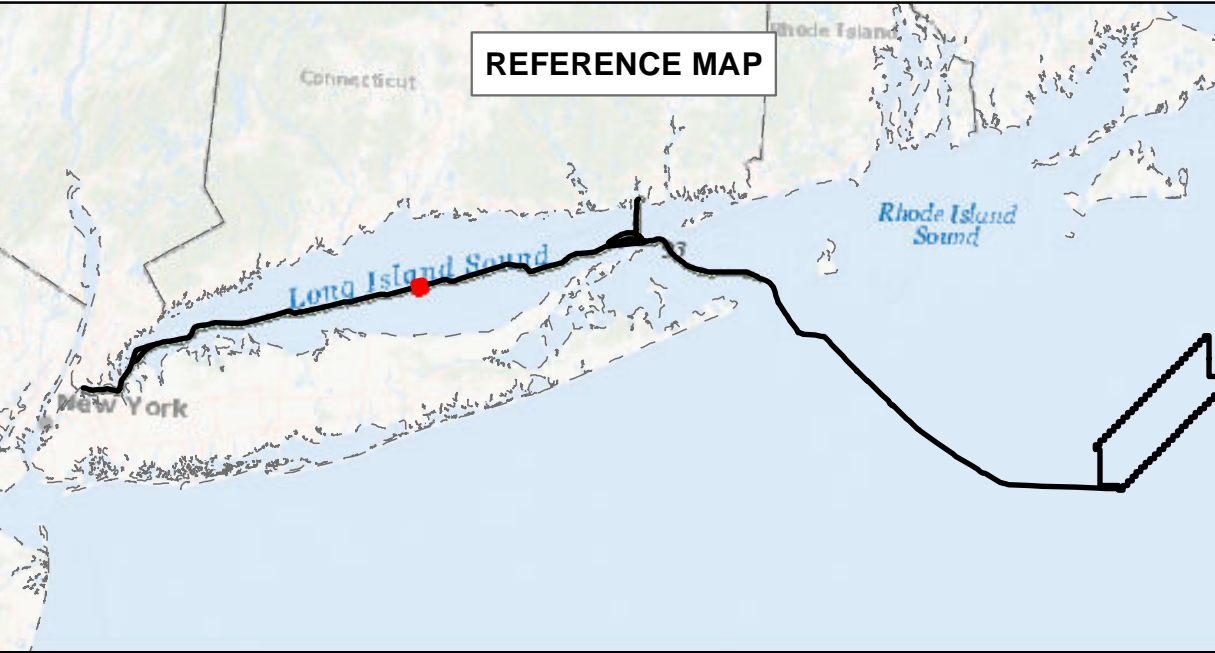
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ✚ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 72

BW1 (NY) - KP 100.5 - KP 101.5  
BW2 (NY) - KP 100.5 - KP 101.5  
BW2 (CT) - N/A



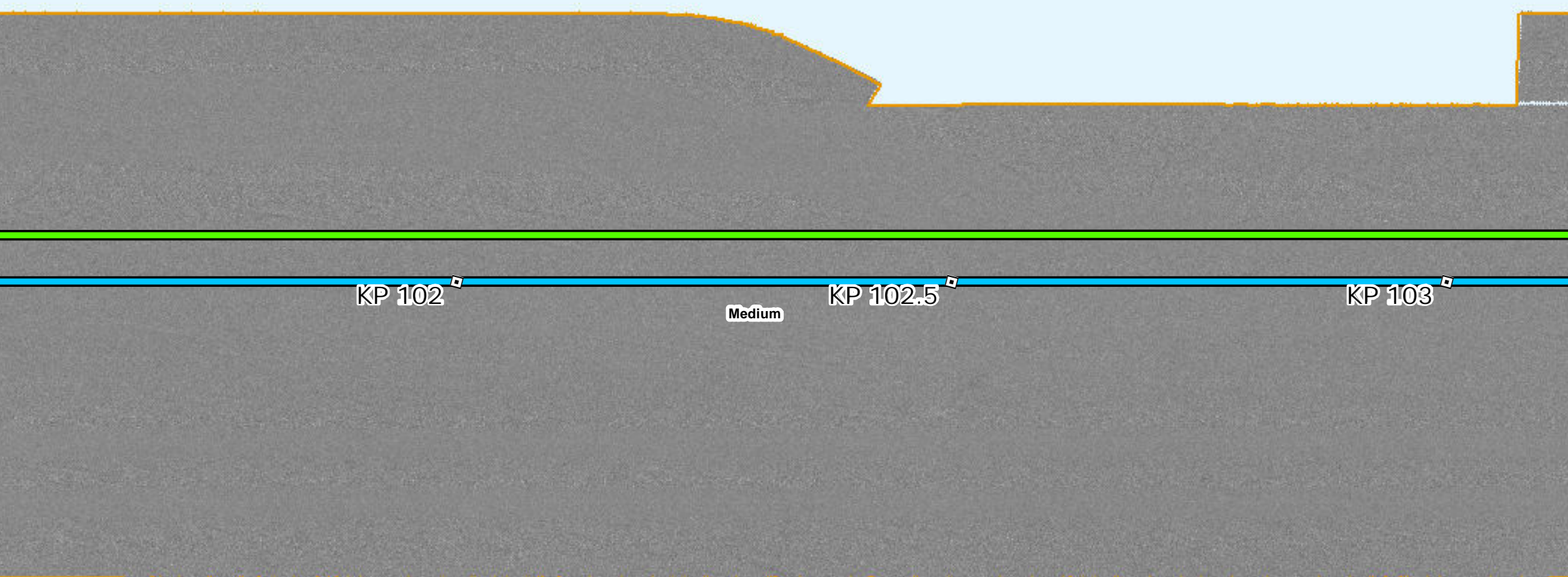
## Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



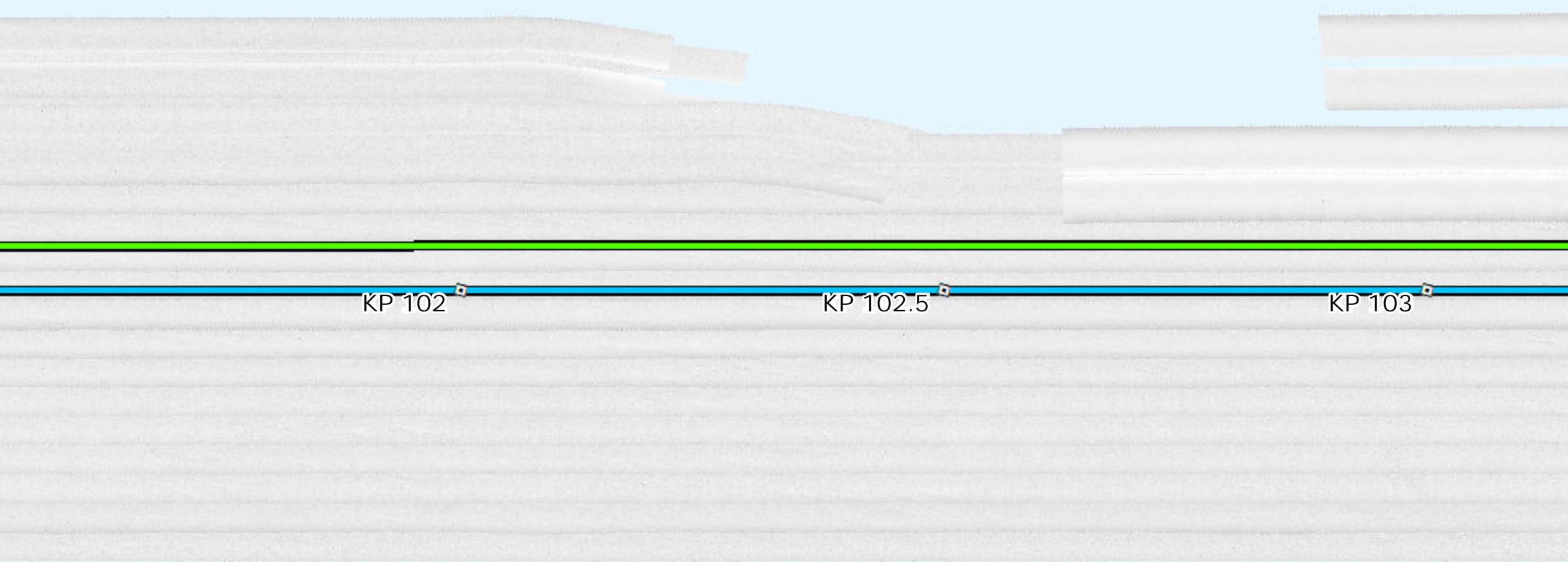
## Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



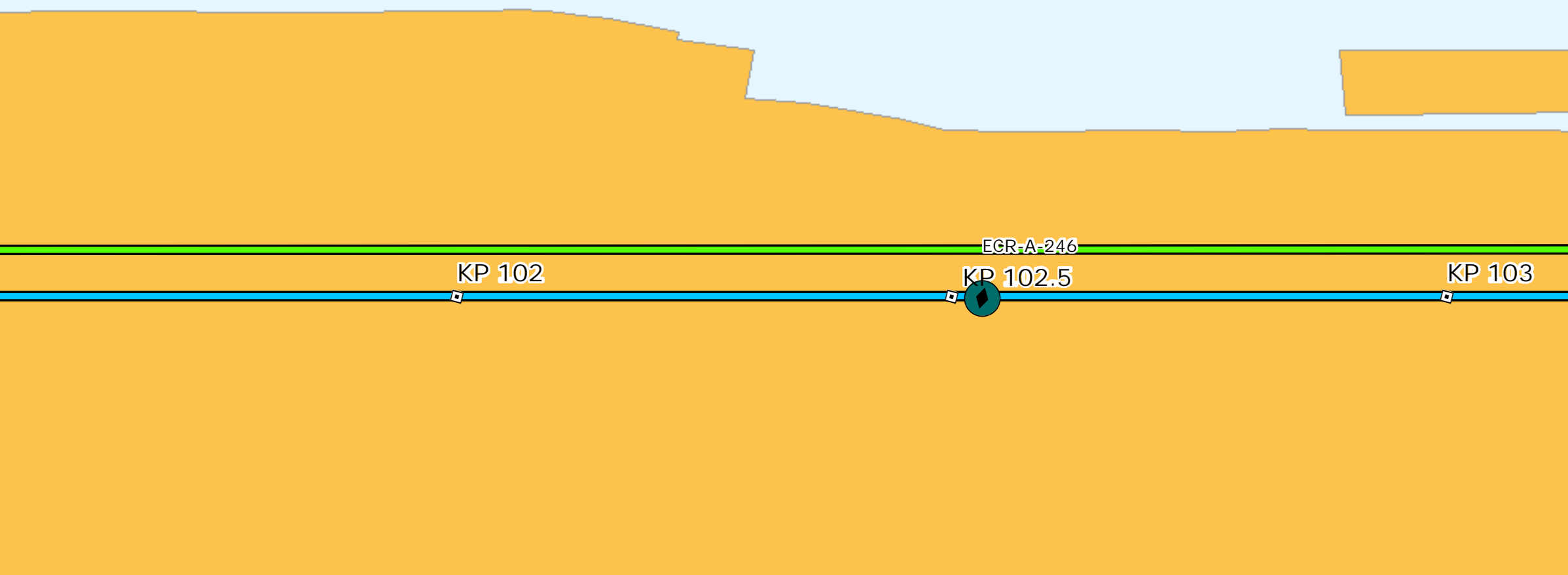
## Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



## Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



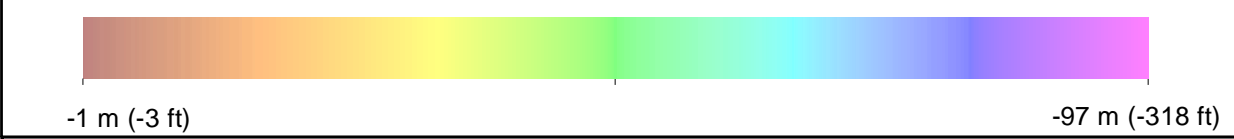
## Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

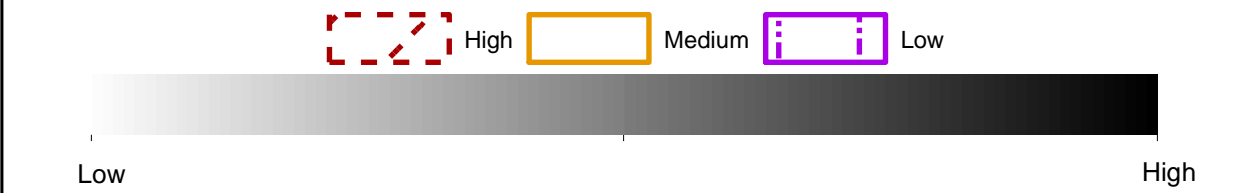
### Bathymetry (MLLW)

Major Contours (5m Interval)



### Backscatter

Delineated Backscatter Intensity Returns



### Side Scan Sonar



### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

#### Station Type

◆ SPI/PV

#### CMECS Biotic

● Soft Sediment Fauna

#### CMECS Substrate

● Sandy Mud

#### CMECS Geofom

● Burrows/Bioturbation

#### Interpreted Seabed Sediment/NMFS Habitat Characterization

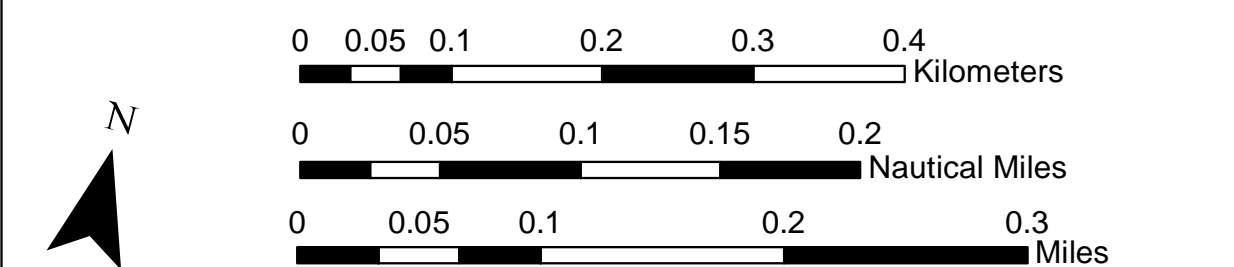
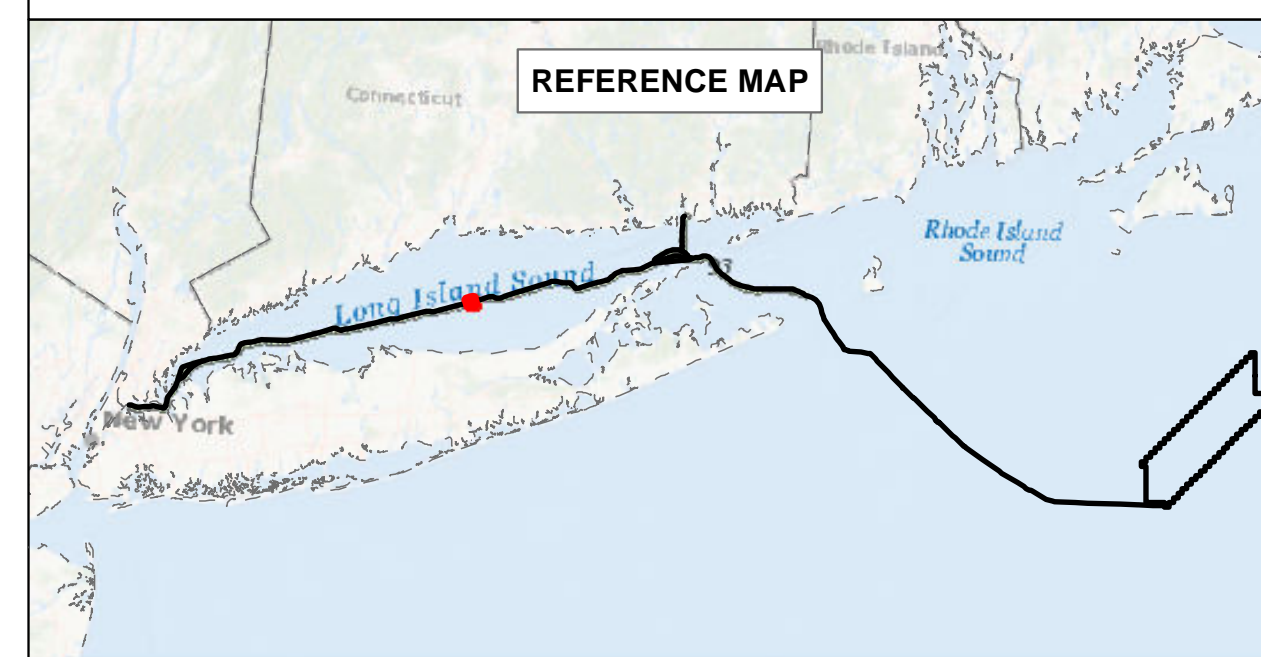
● Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



## BEACON WIND LEASE AREA OCS-A 0520

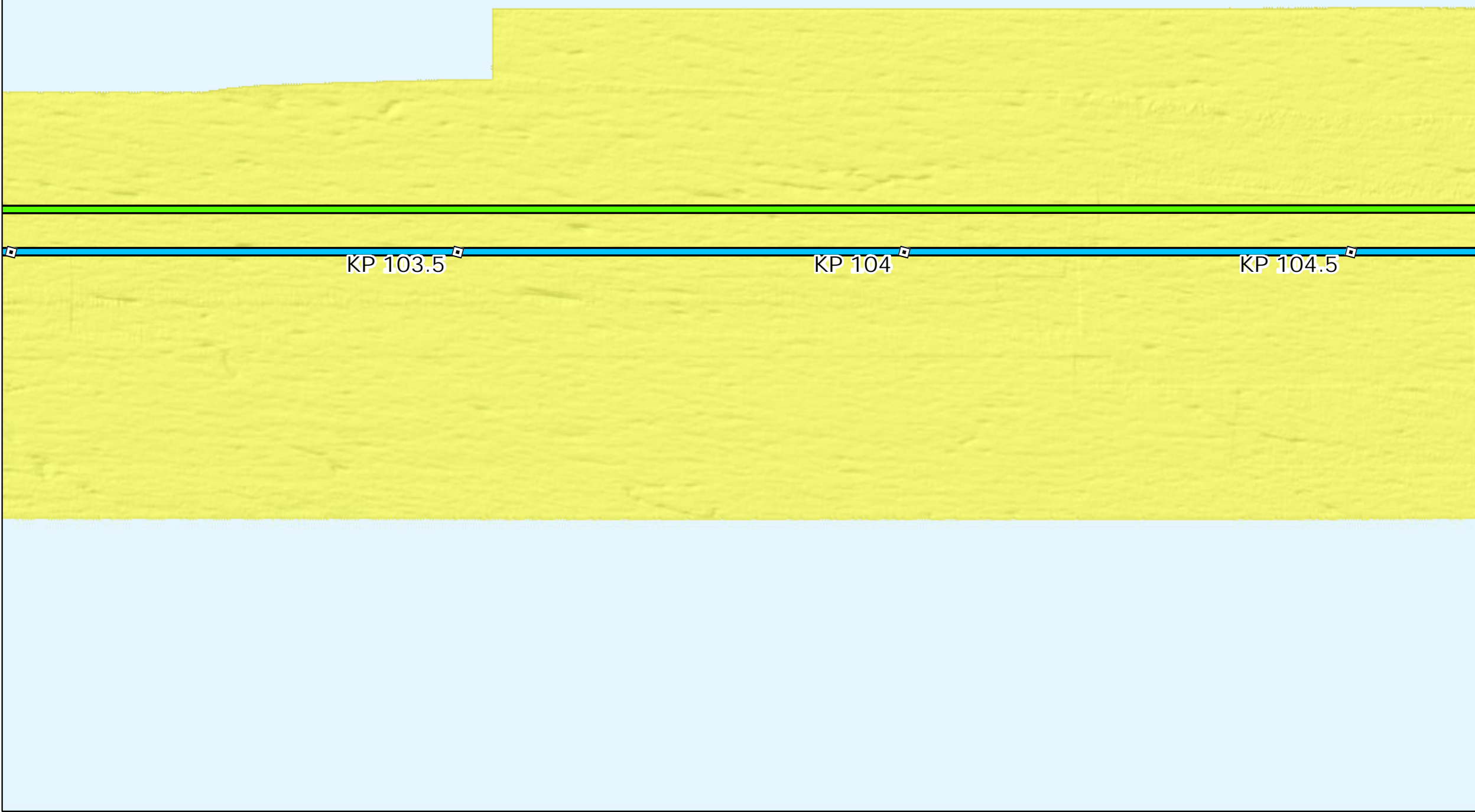
### Map Book Package for Submarine Export Cable Route in State Waters Tile 73

BW1 (NY) - KP 102 - KP 103  
BW2 (NY) - KP 102 - KP 103  
BW2 (CT) - N/A



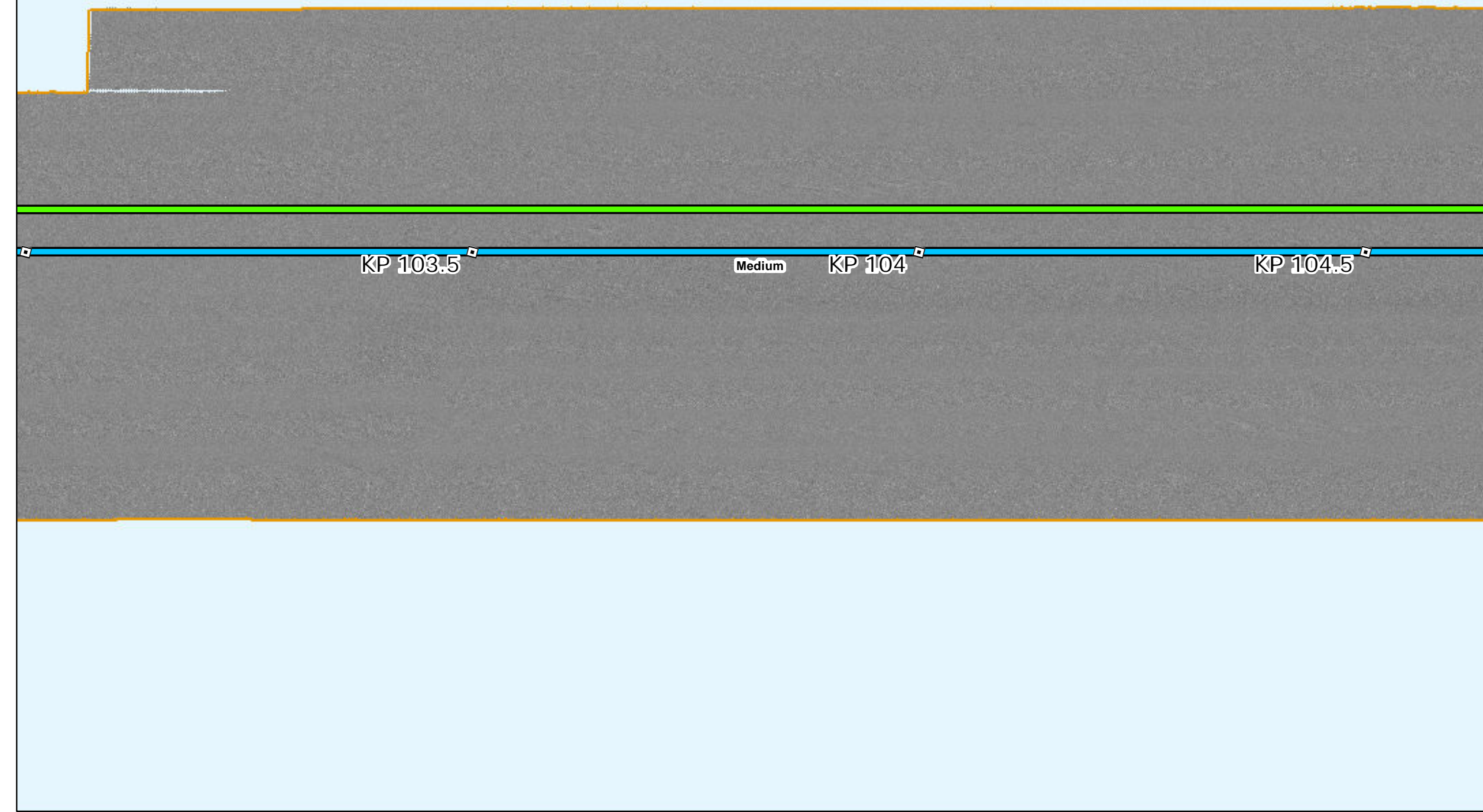
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



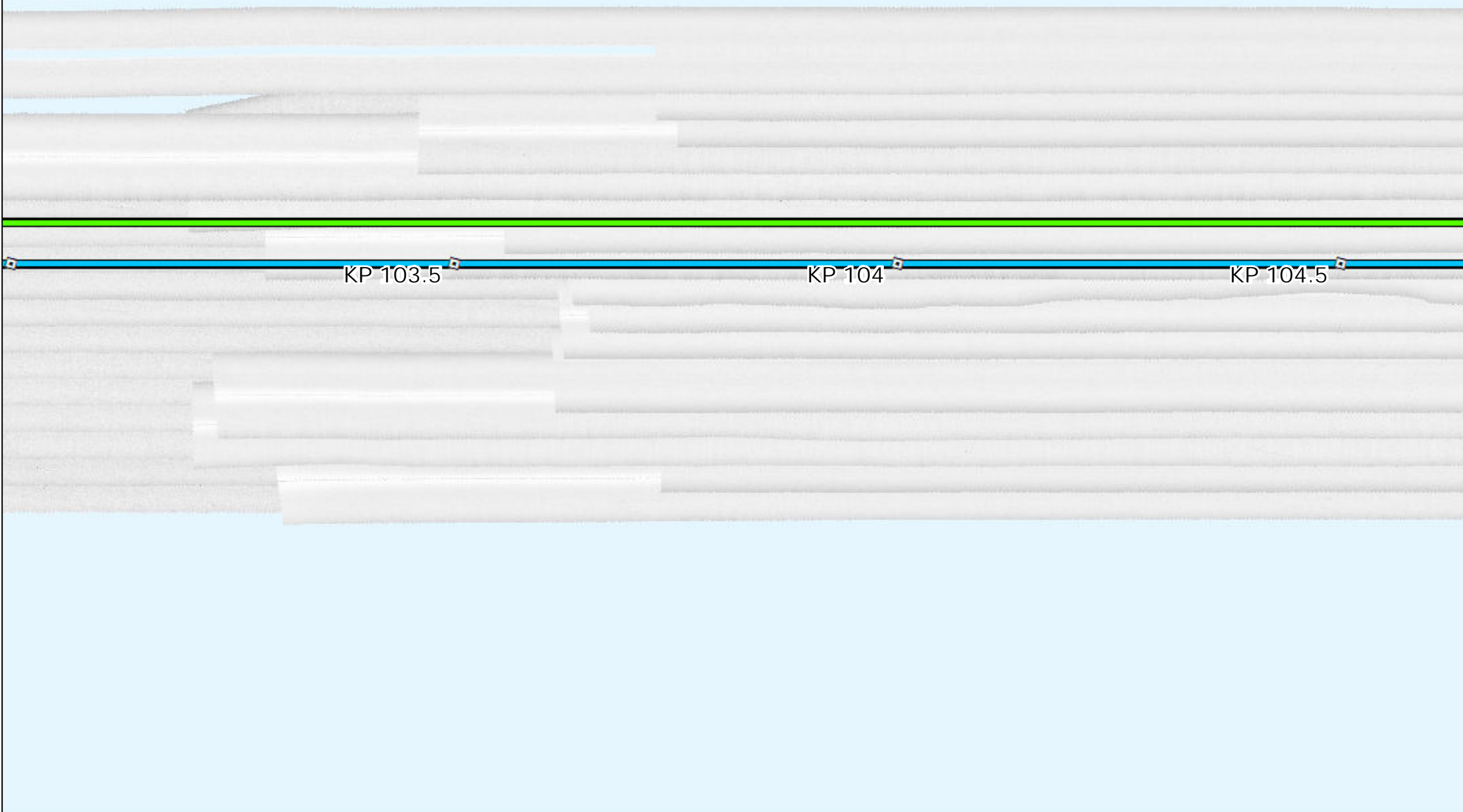
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



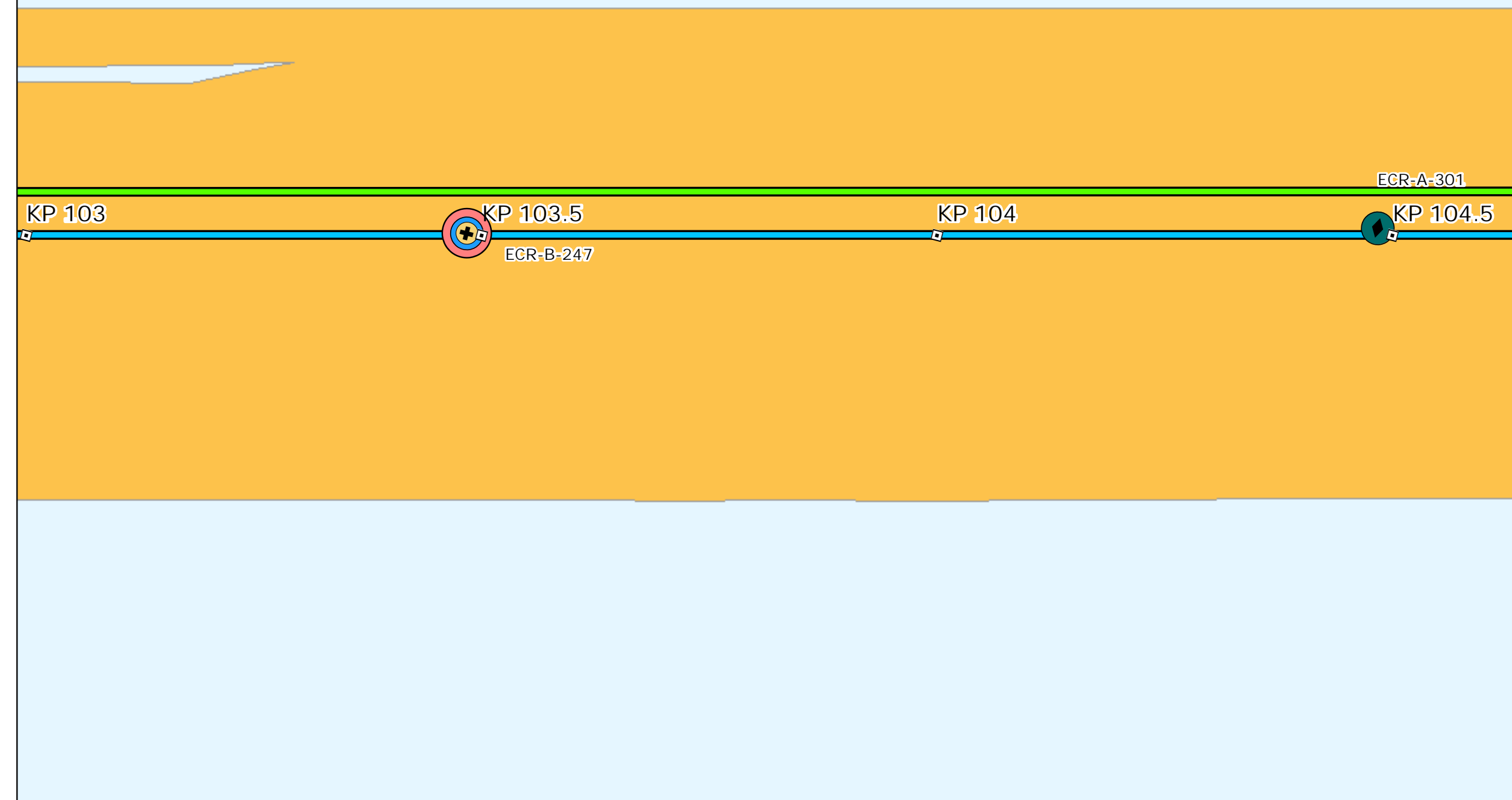
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

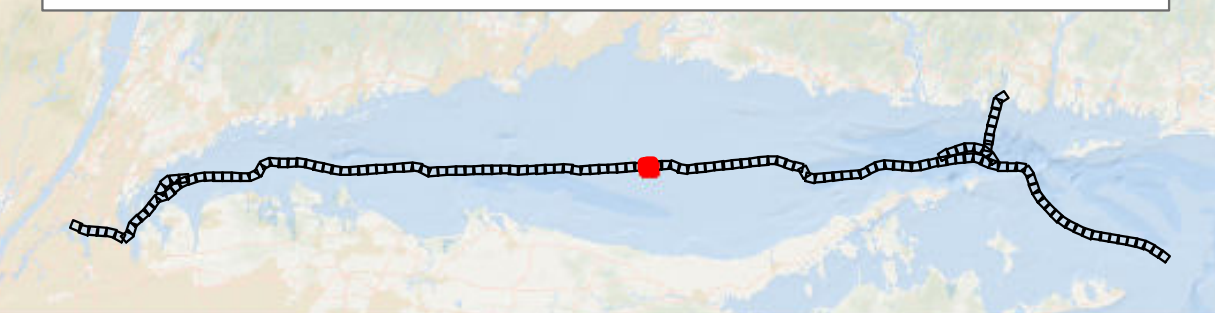


# Interpreted Seabed Sediment/NMFS Habitat Characterization

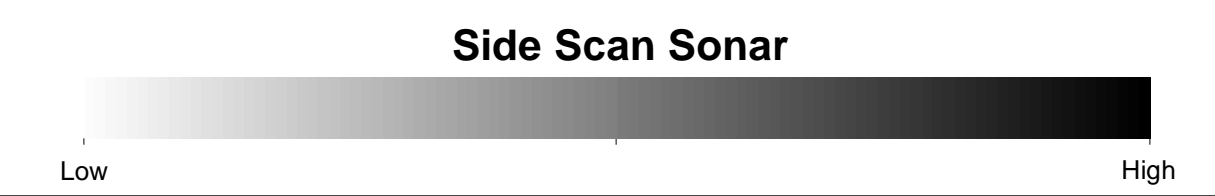
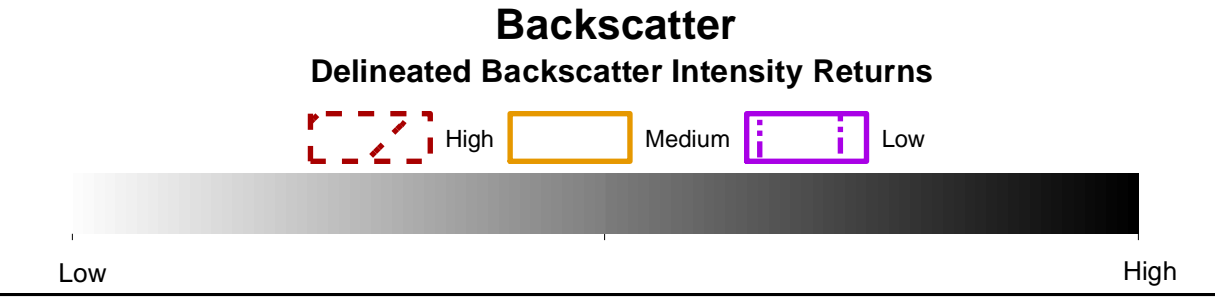
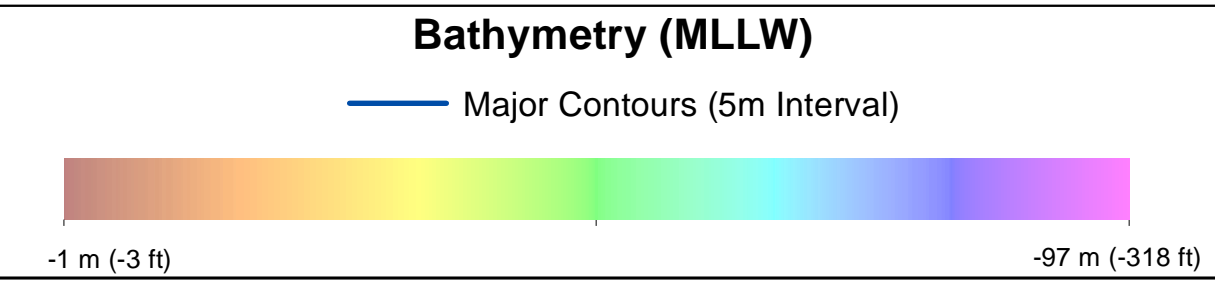
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



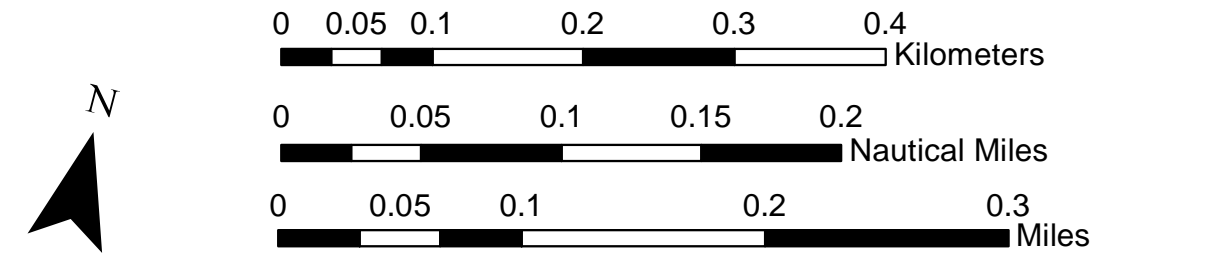
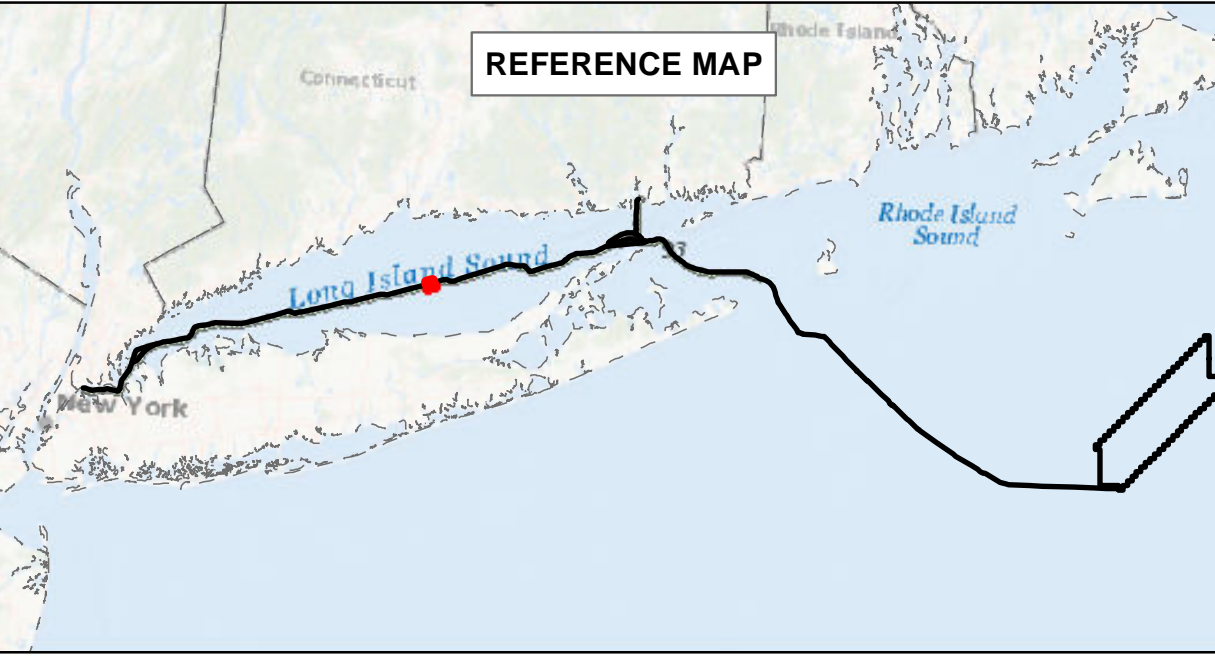
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               |  |
| <b>CMECS Biotic</b>    |  |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Mud                  |  |
| ● Sandy Mud            |  |
| <b>CMECS Geoform</b>   |  |
| ● Burrows/Bioturbation |  |

Note:  
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Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

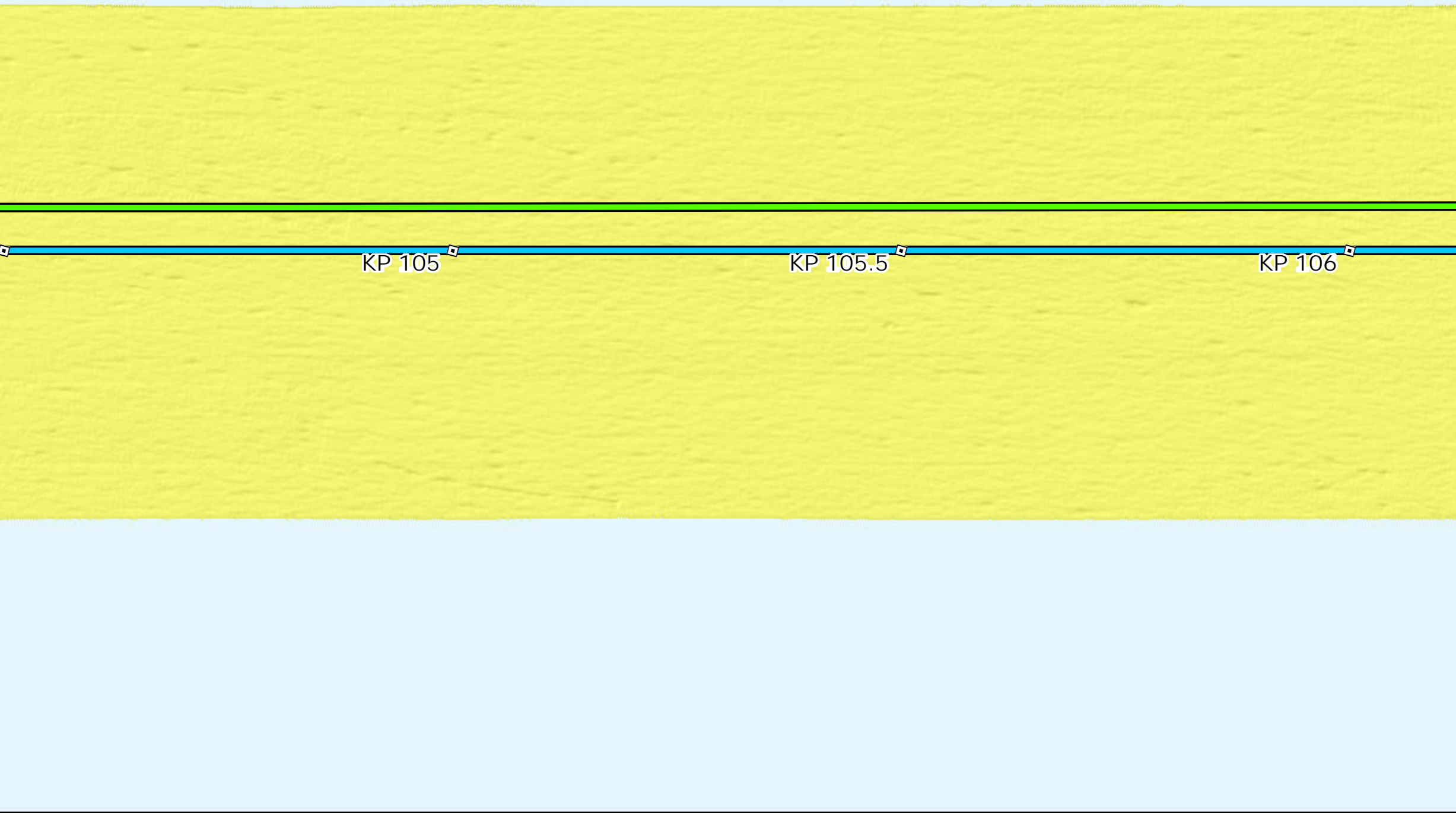
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 74

BW1 (NY) - KP 103.5 - KP 104.5  
BW2 (NY) - KP 103.5 - KP 104.5  
BW2 (CT) - N/A



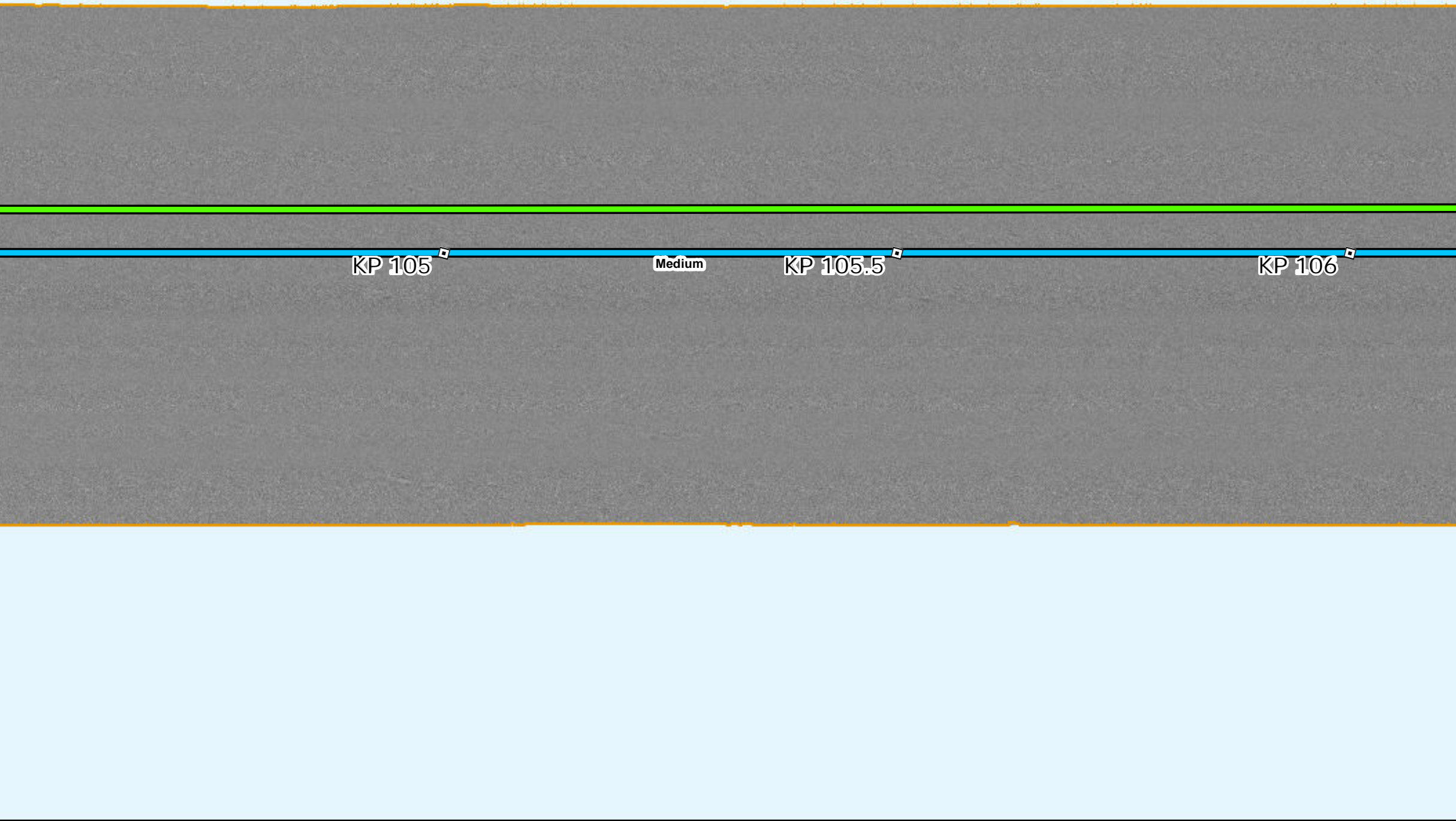
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



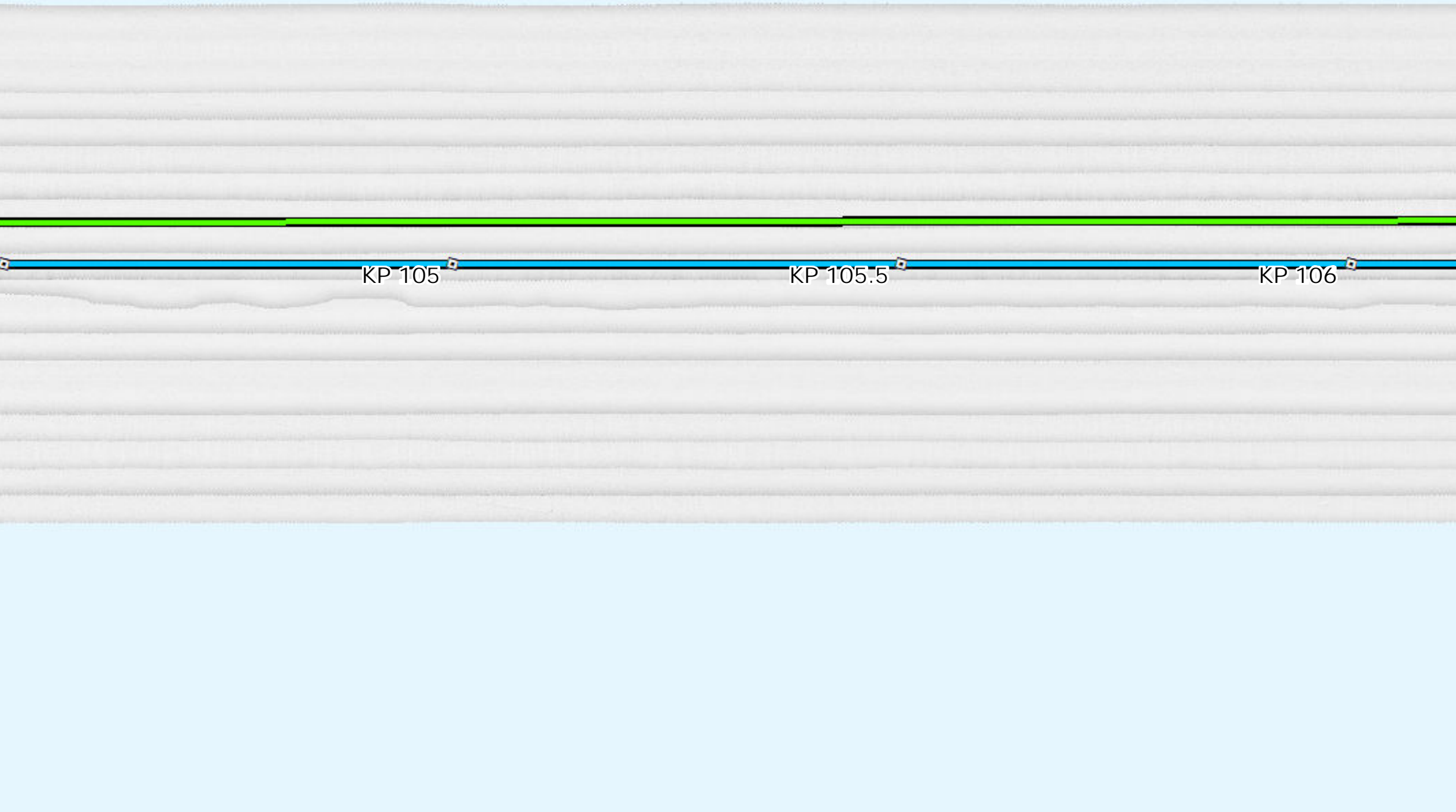
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



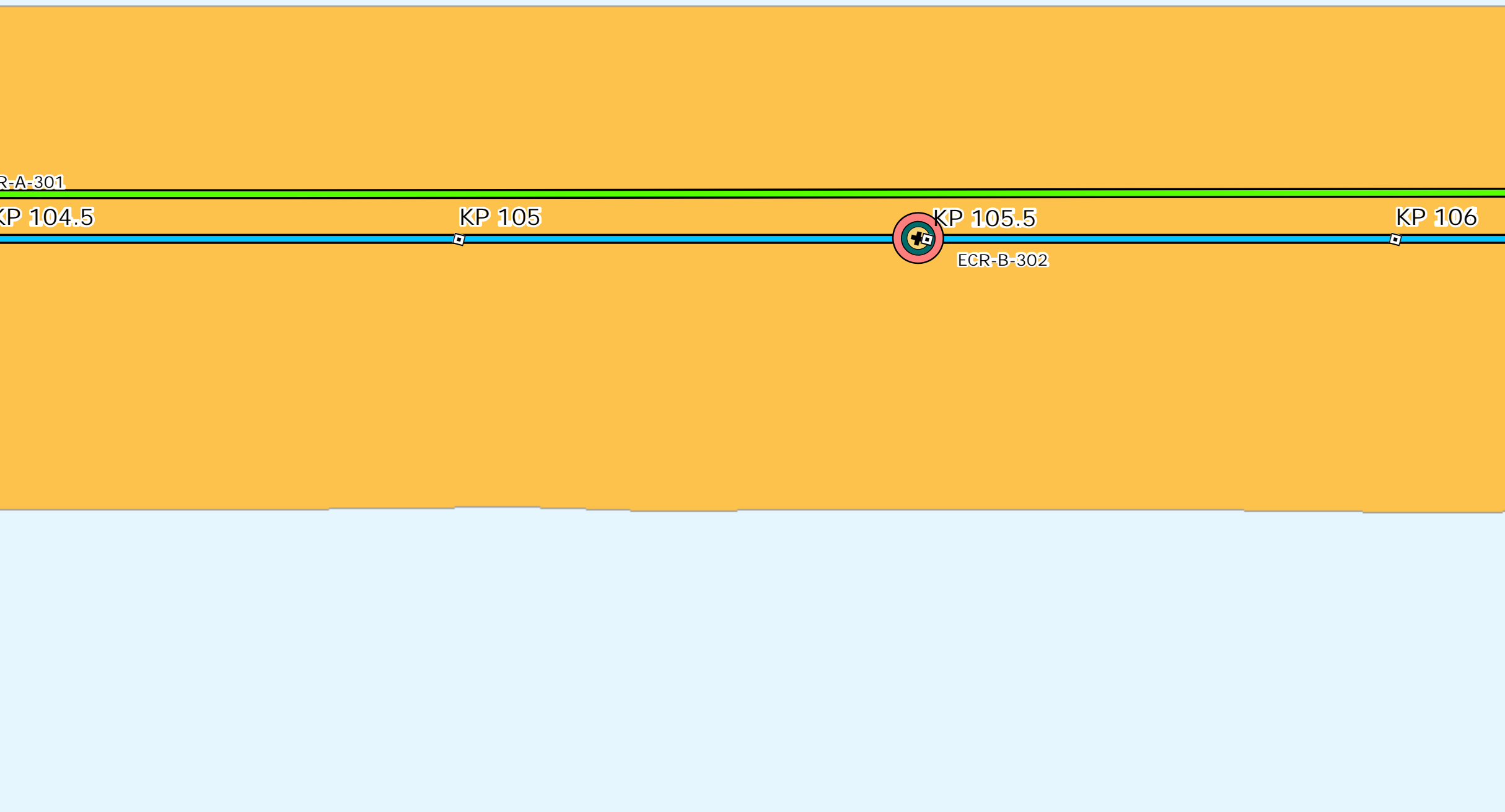
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

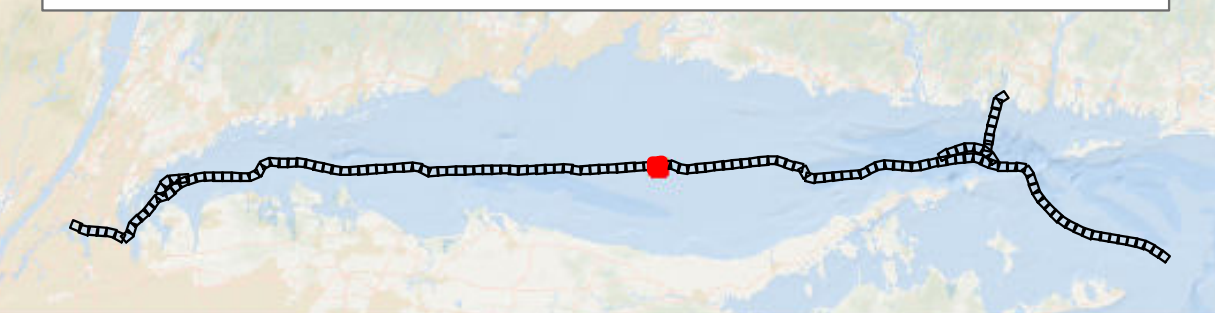


# Interpreted Seabed Sediment/NMFS Habitat Characterization

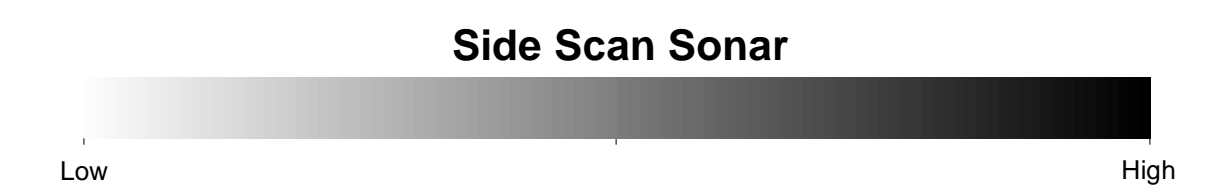
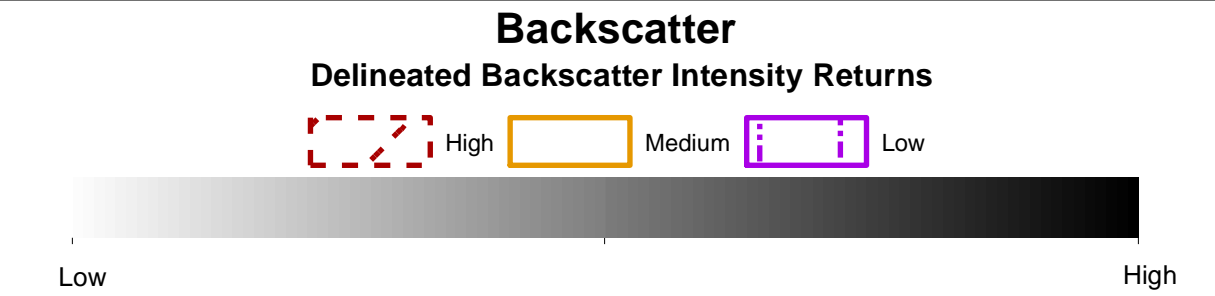
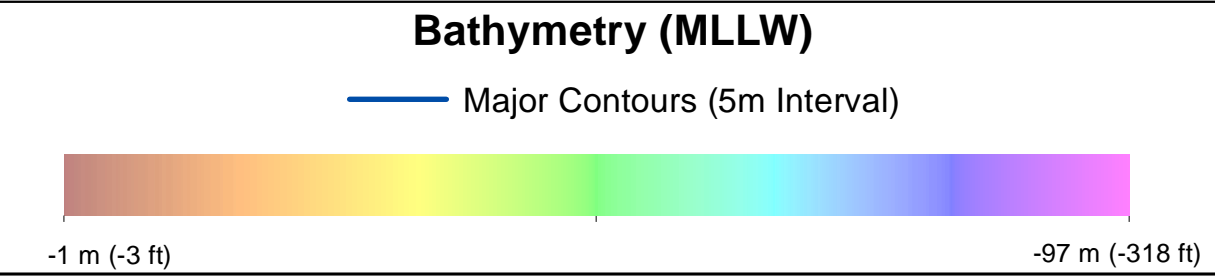
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



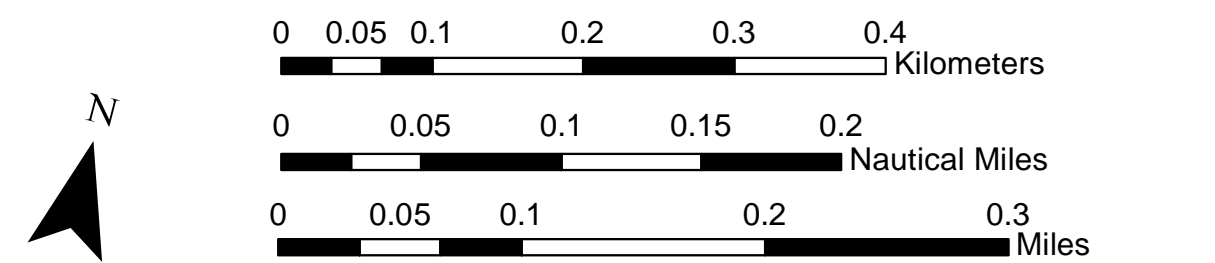
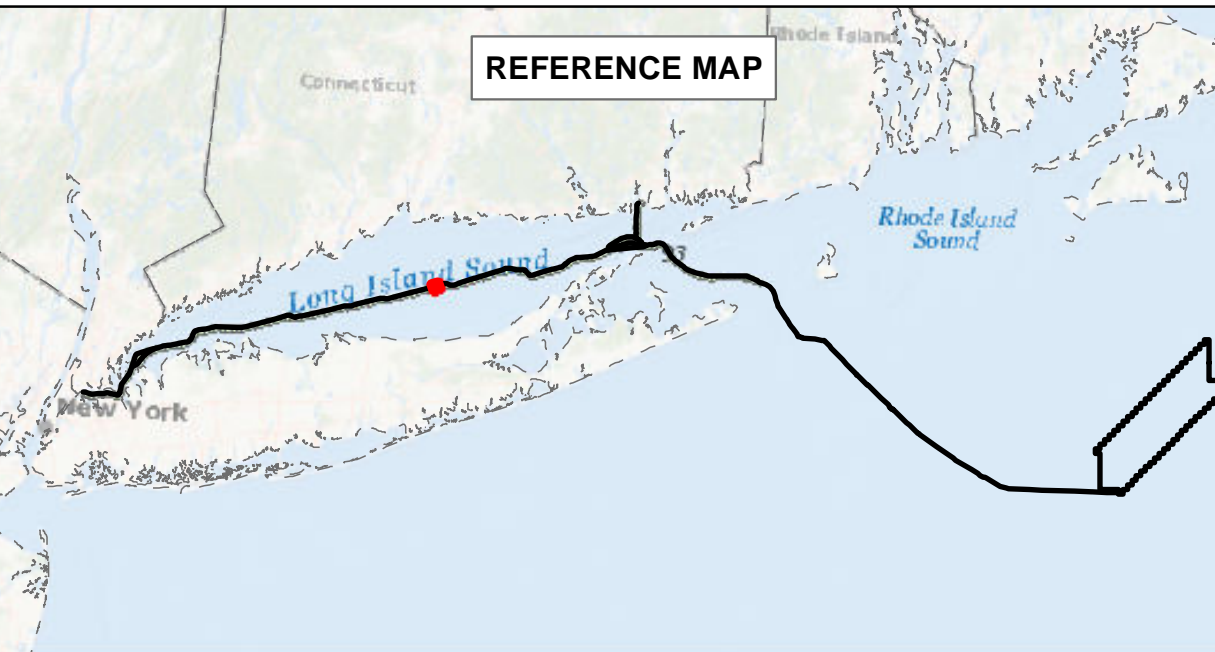
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

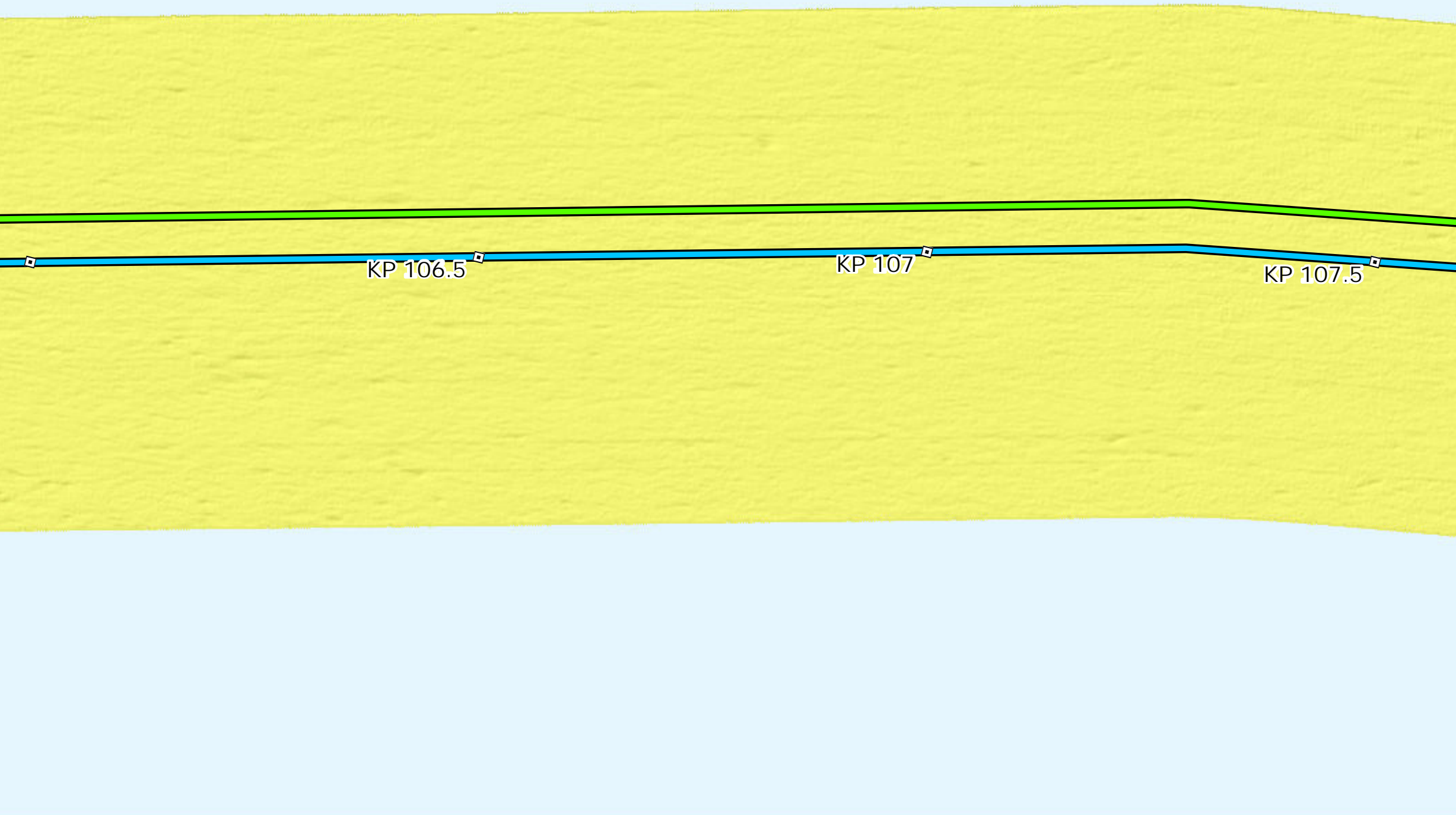
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 75

BW1 (NY) - KP 105 - KP 106  
BW2 (NY) - KP 105 - KP 106  
BW2 (CT) - N/A



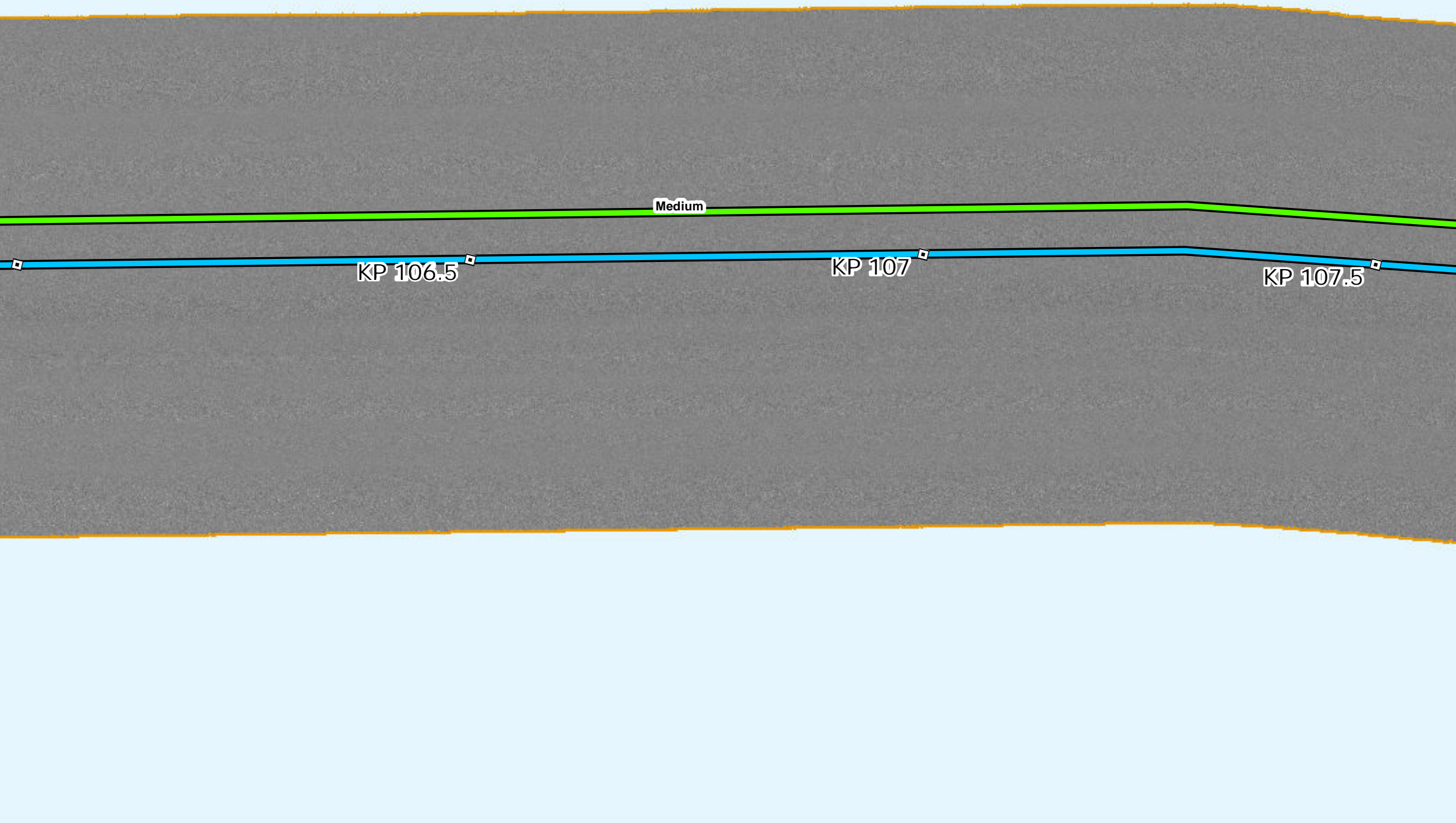
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



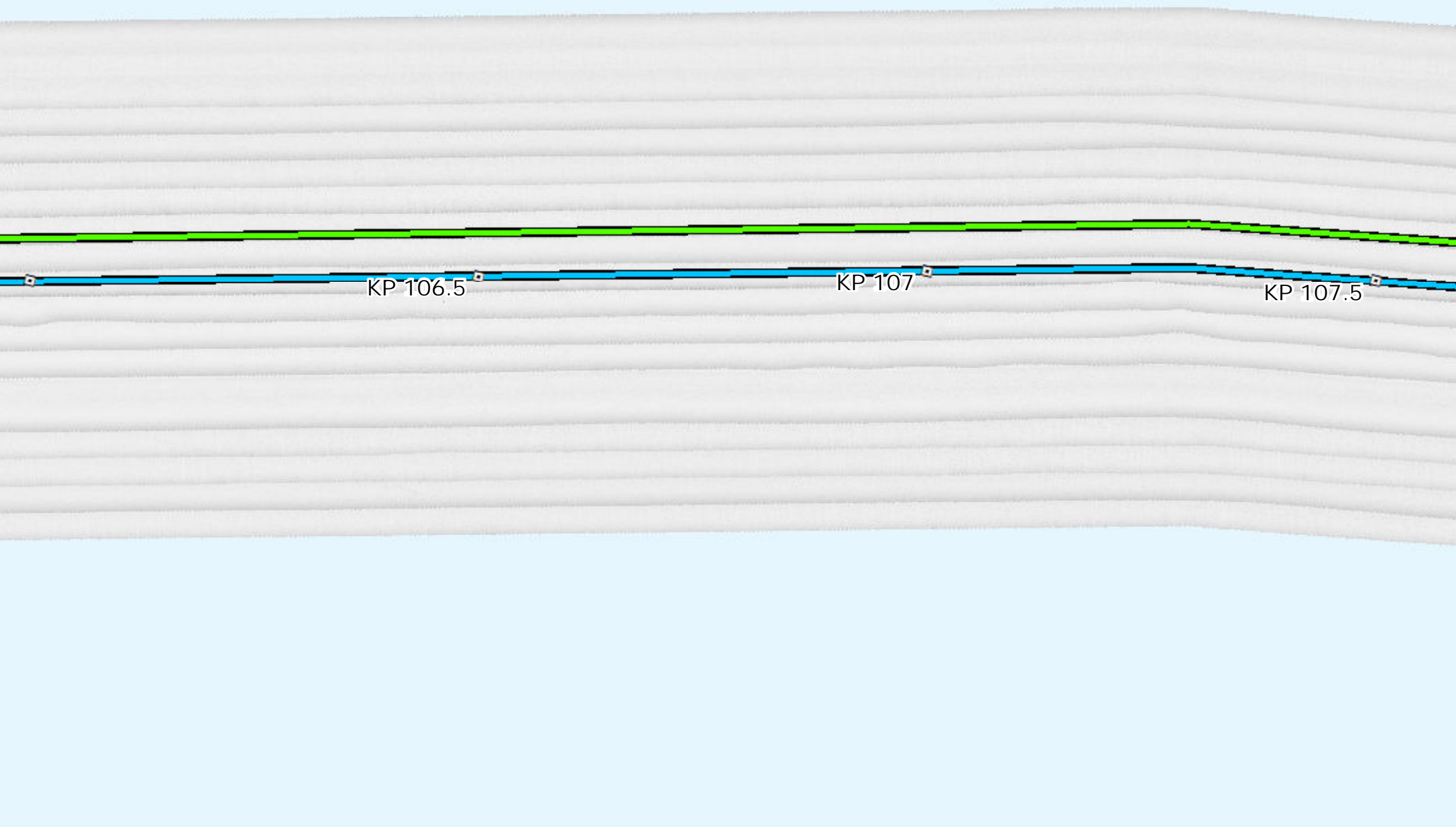
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



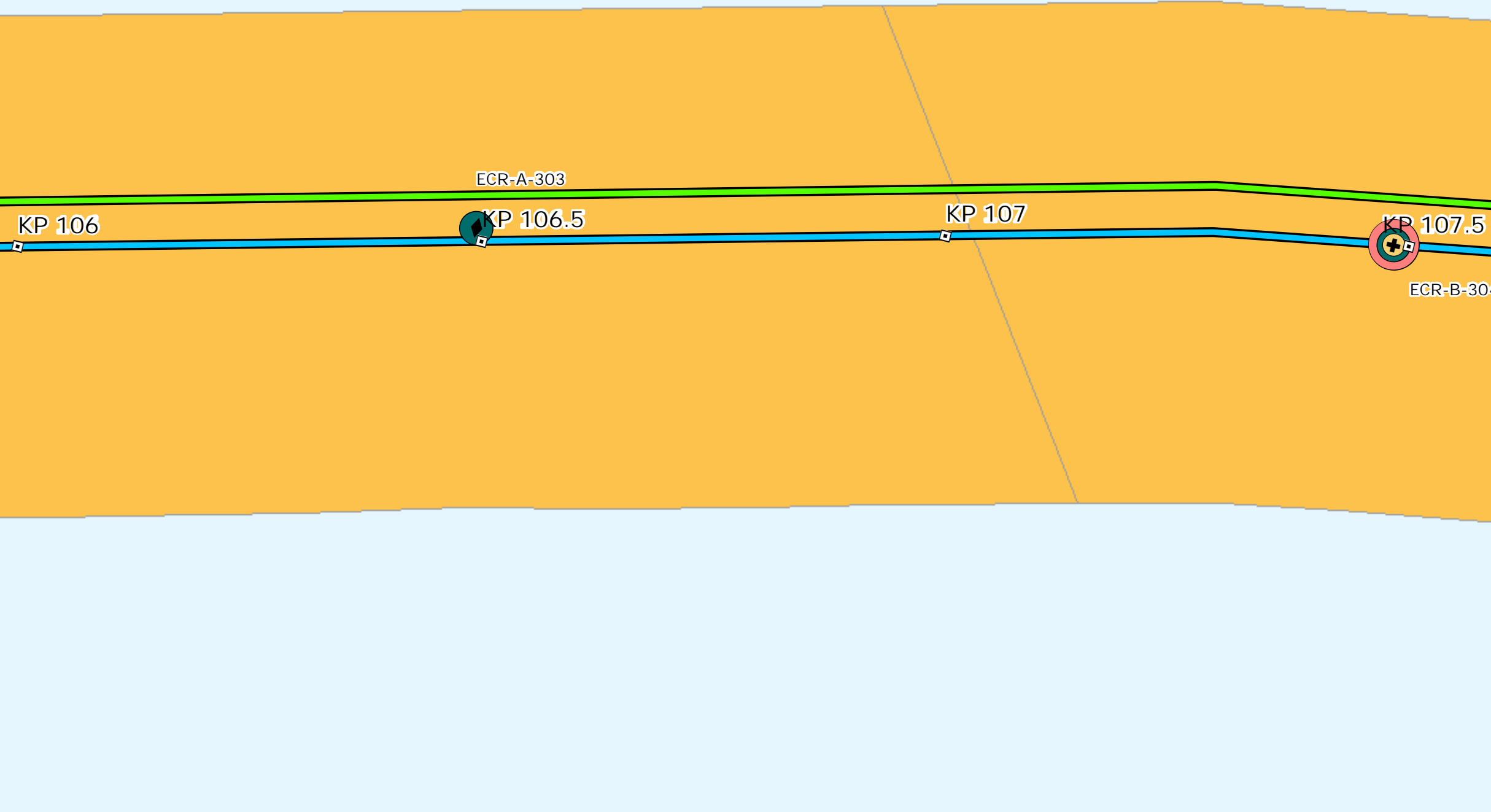
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

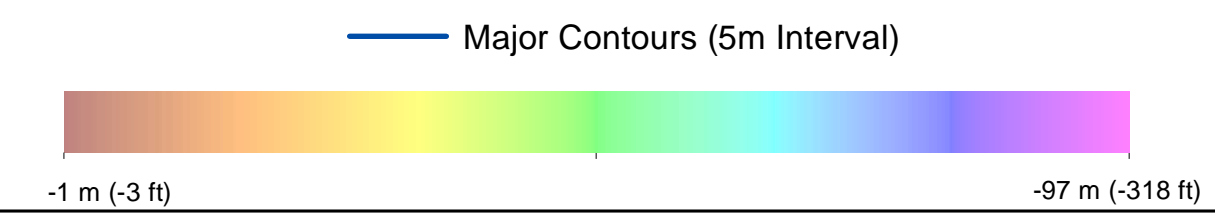


### Map Book Package for Submarine Export Cable Route in State Waters

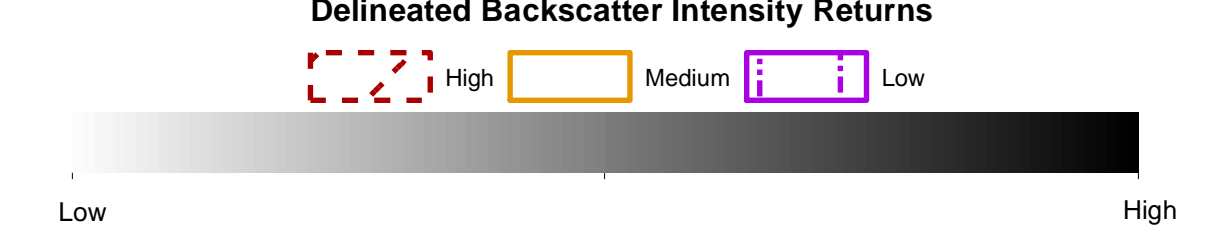


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

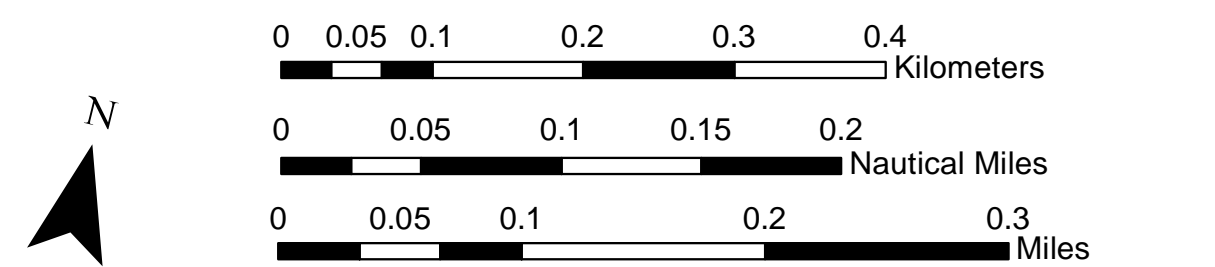
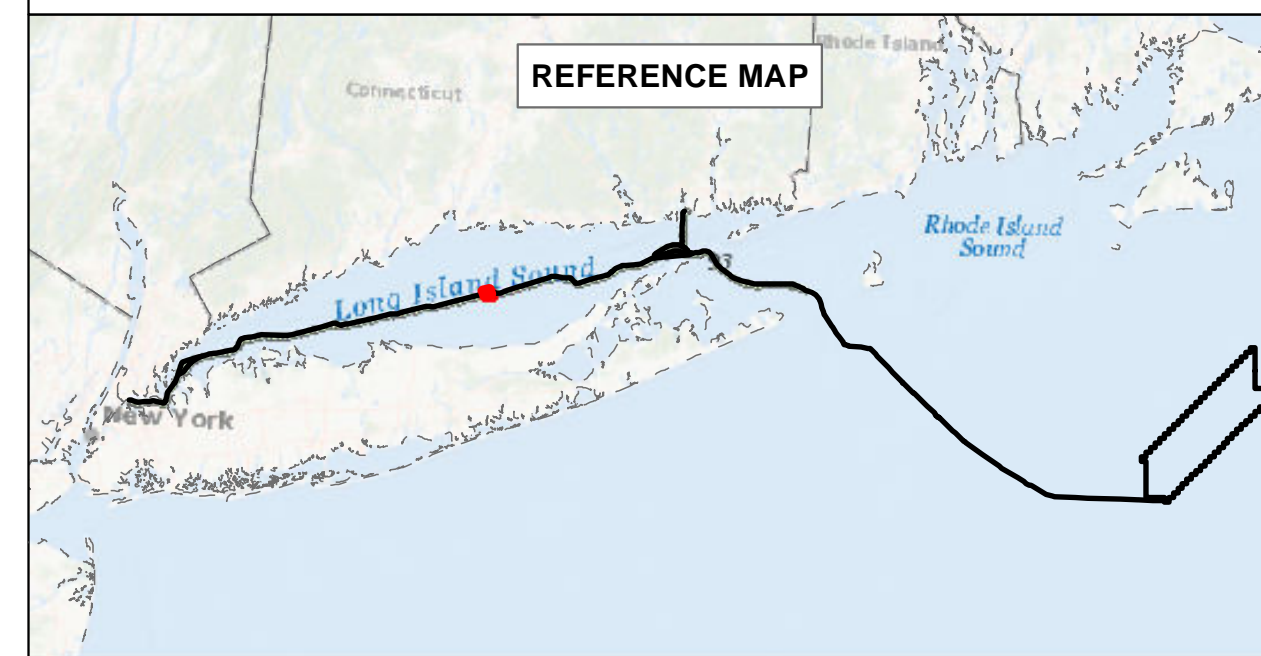


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - ✚ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Sandy Mud
- CMECS Geoform**
  - Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 76  
BW1 (NY) - KP 106.5 - KP 107.5  
BW2 (NY) - KP 106.5 - KP 107.5  
BW2 (CT) - N/A



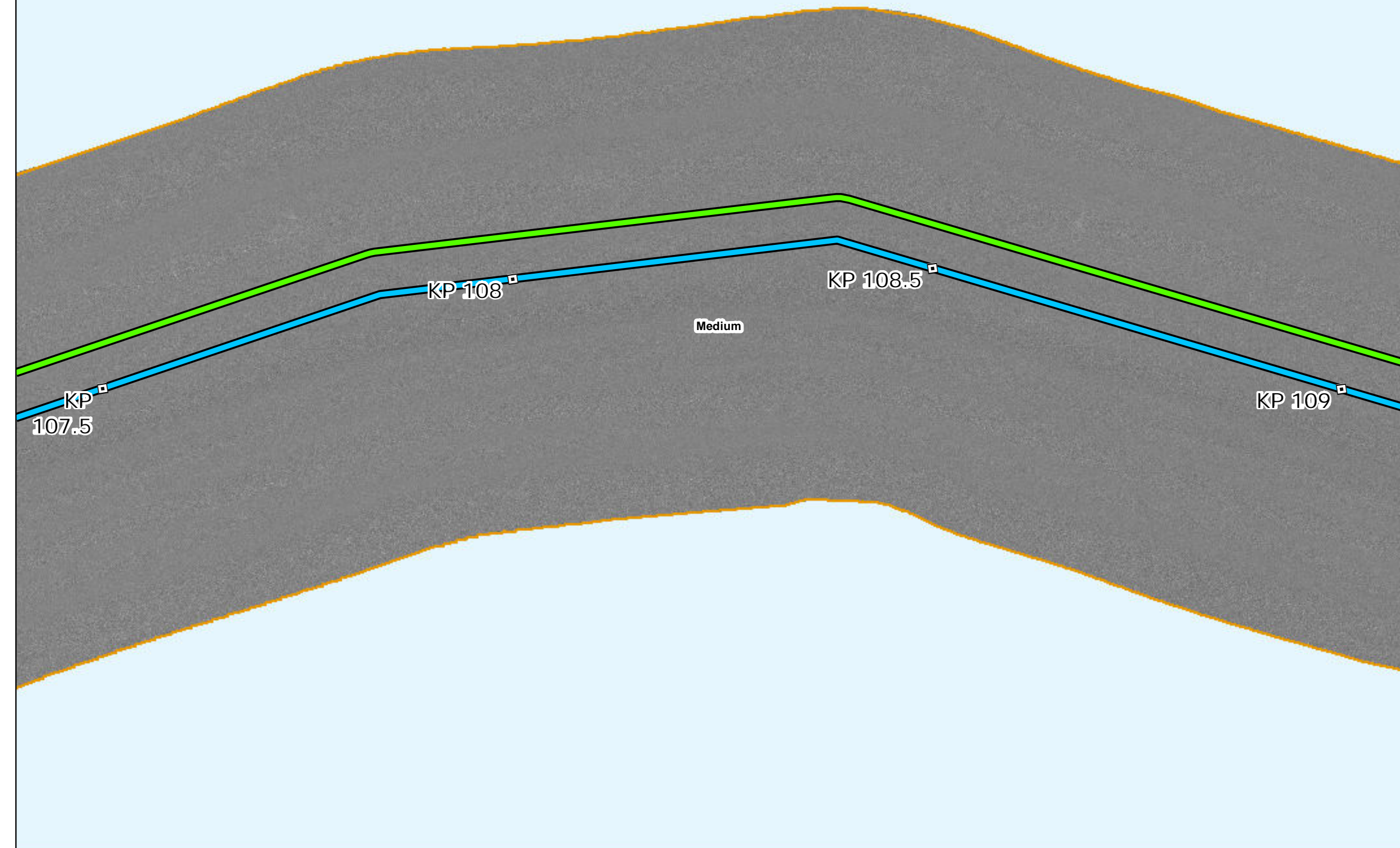
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



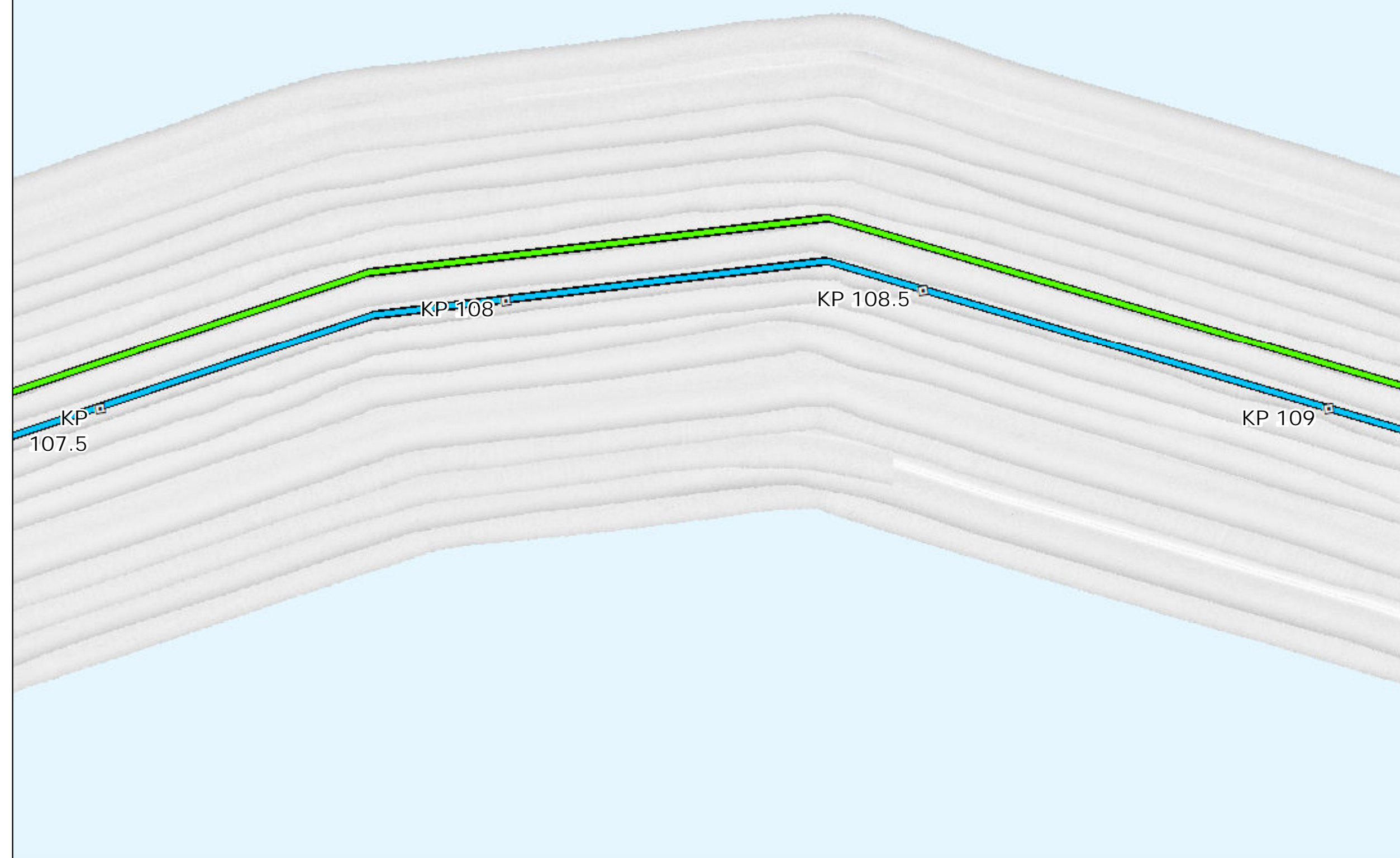
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

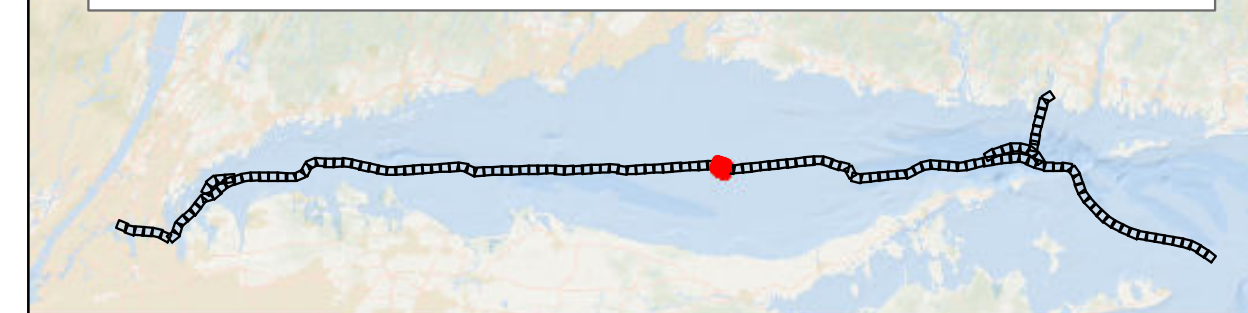


### Interpreted Seabed Sediment/ NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

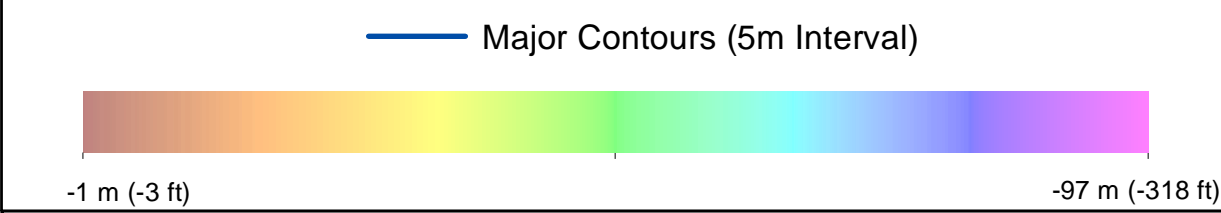


### Map Book Package for Submarine Export Cable Route in State Waters



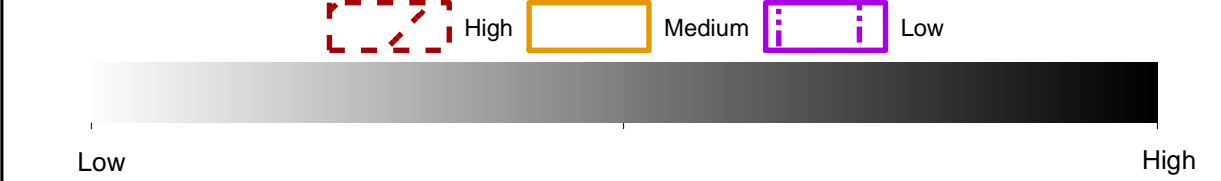
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter

##### Delineated Backscatter Intensity Returns



#### Side Scan Sonar



#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

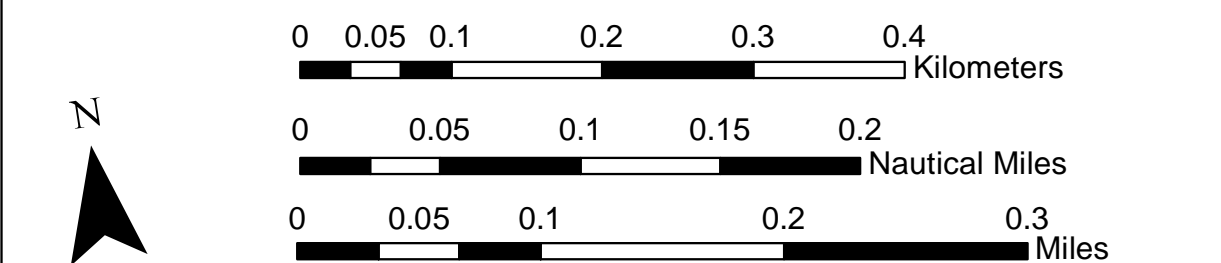
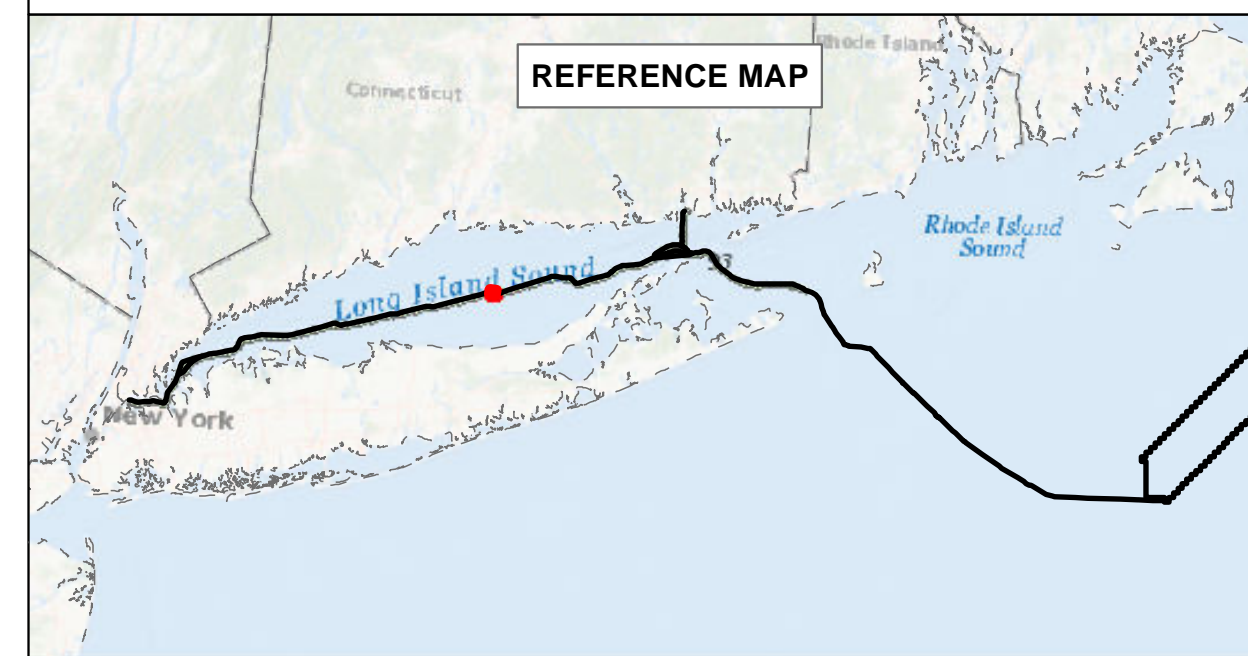
- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



### BEACON WIND LEASE AREA OCS-A 0520

#### Map Book Package for Submarine Export Cable Route in State Waters Tile 77

BW1 (NY) - KP 107.5 - KP 109  
 BW2 (NY) - KP 107.5 - KP 109  
 BW2 (CT) - N/A



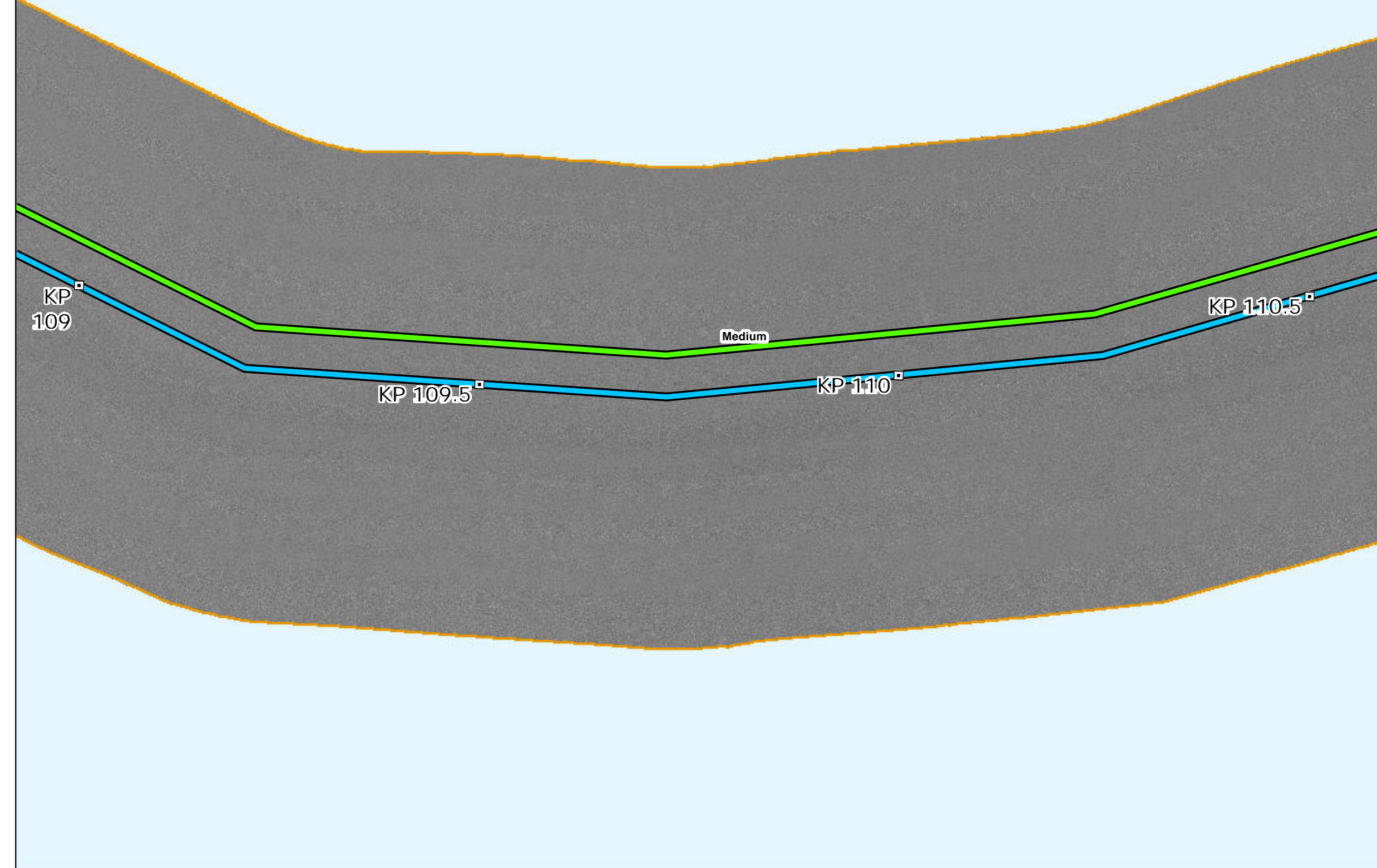
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



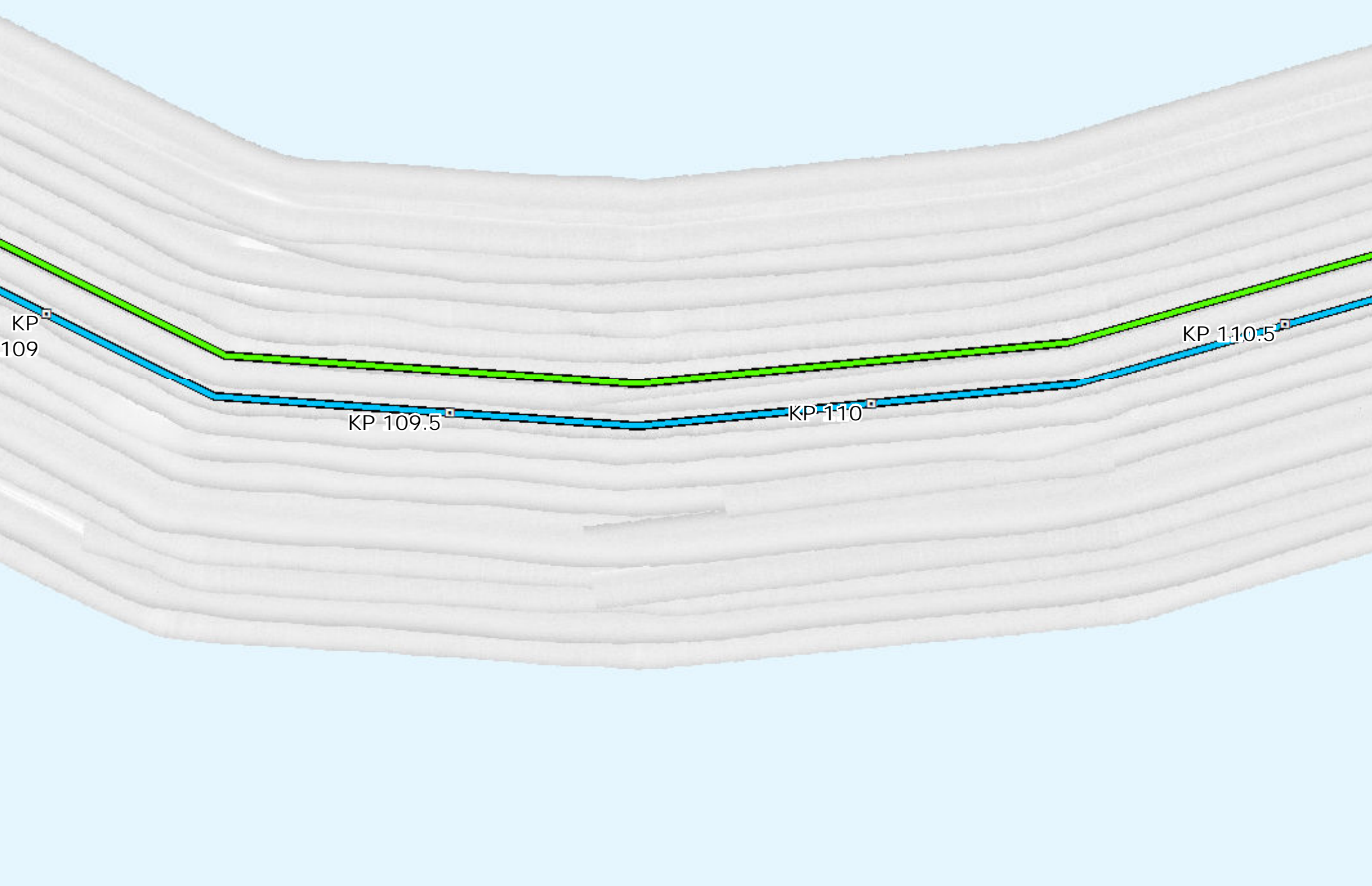
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



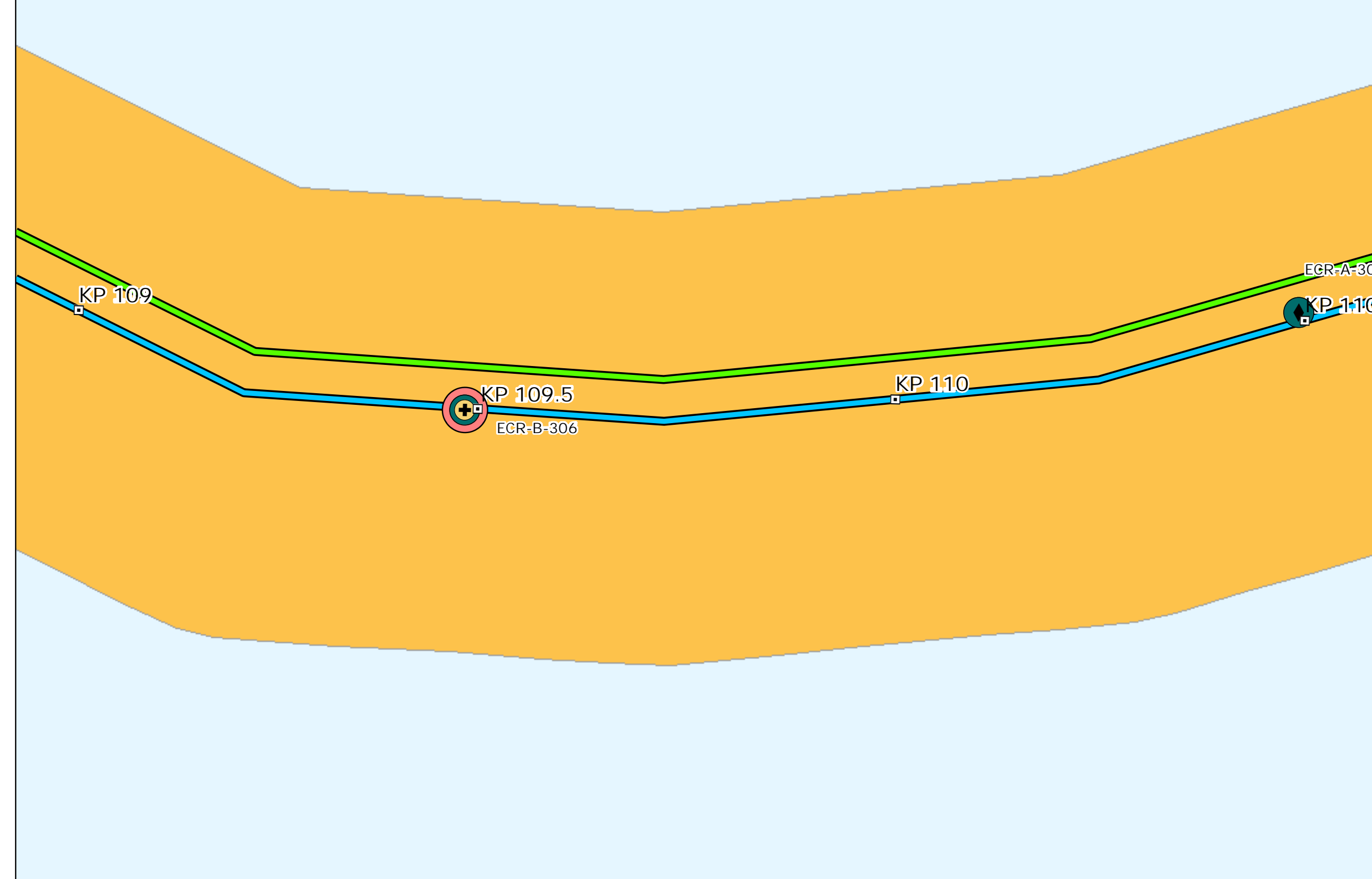
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

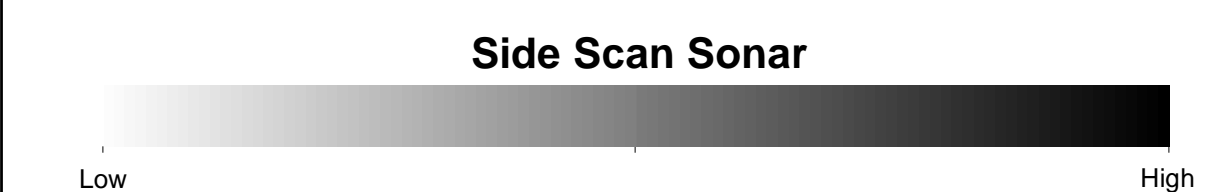
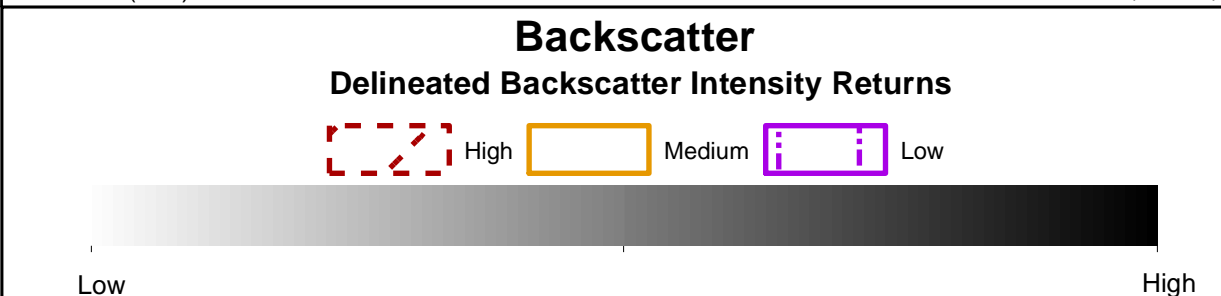
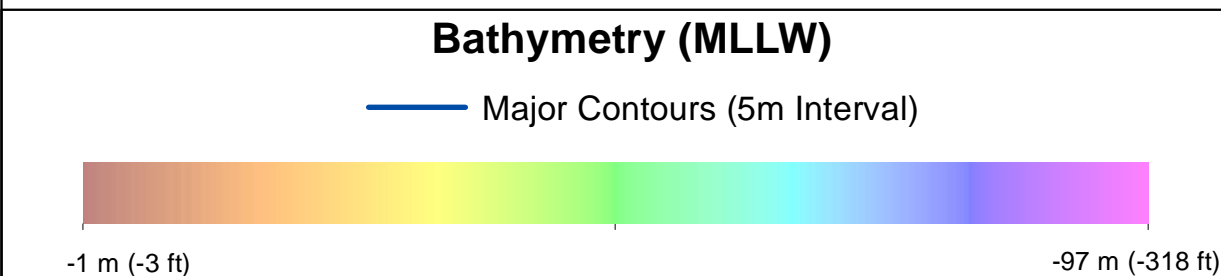
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



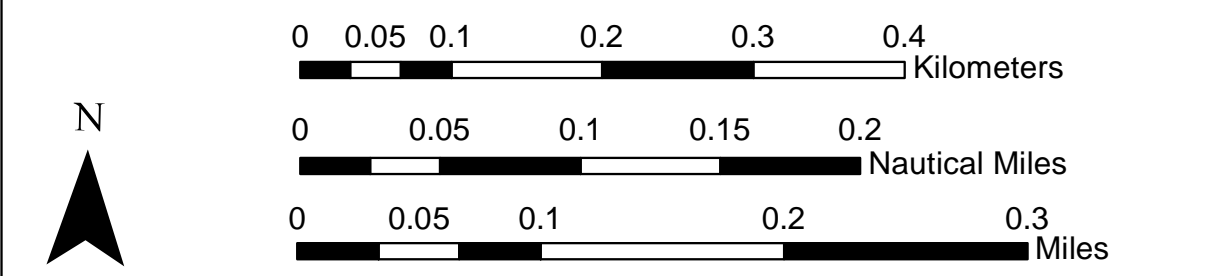
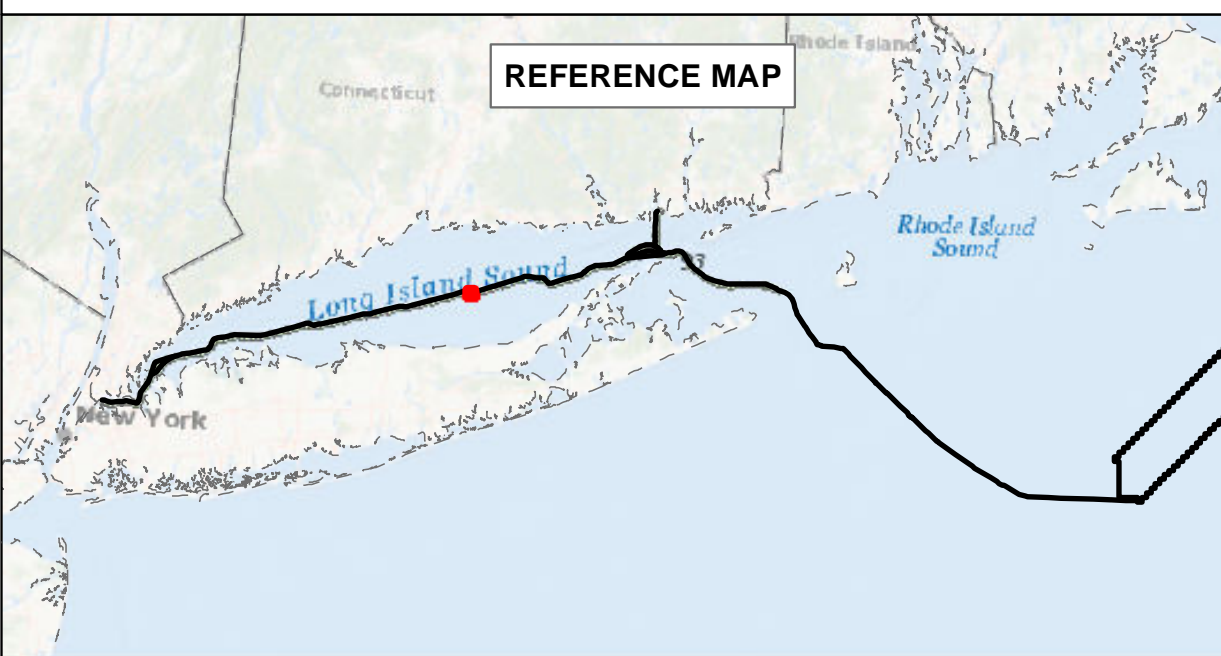
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - ✚ Grab and Video
    - ◆ SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Sandy Mud
  - CMECS Geoform**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

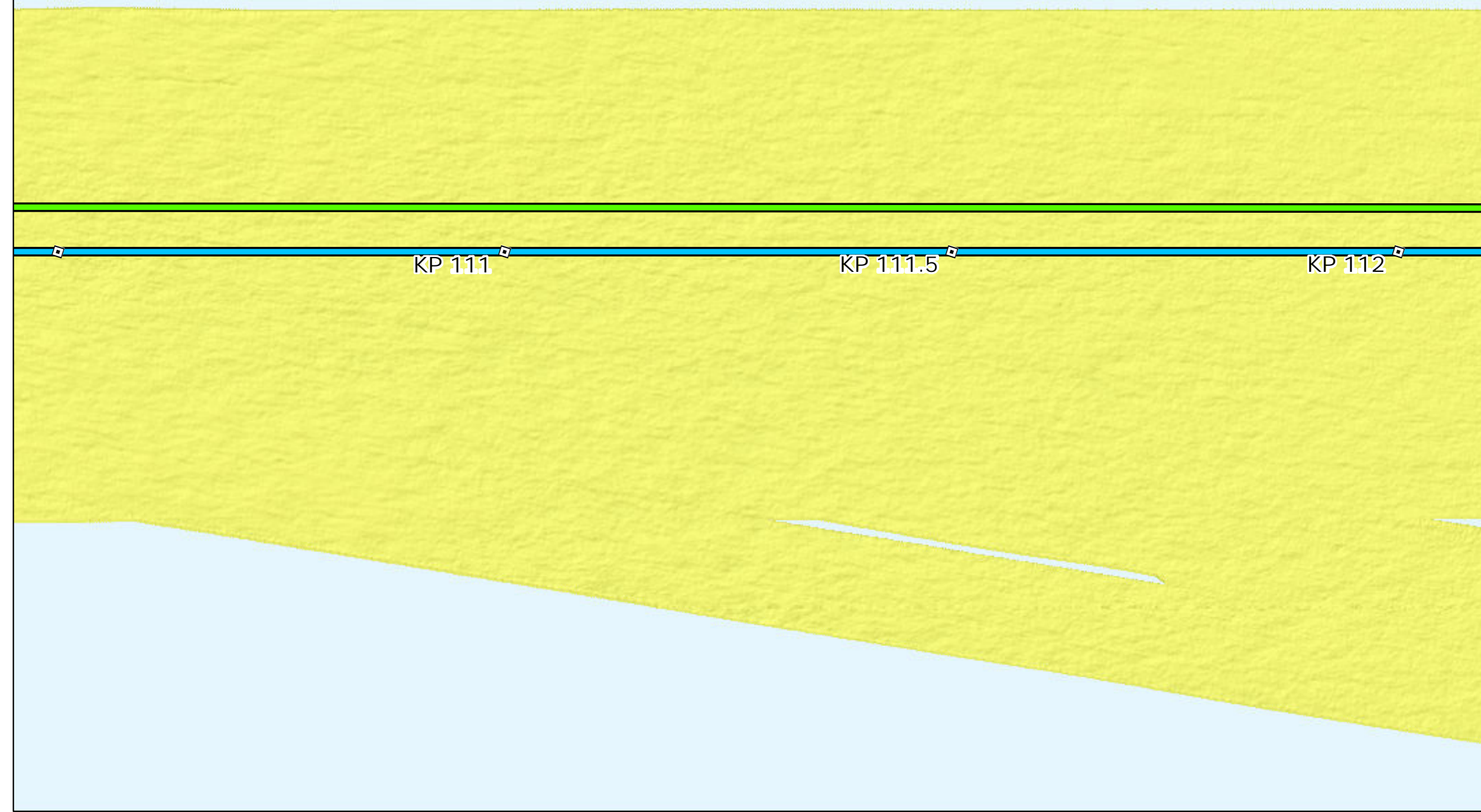
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 78

BW1 (NY) - KP 109 - KP 110.5  
BW2 (NY) - KP 109 - KP 110.5  
BW2 (CT) - N/A



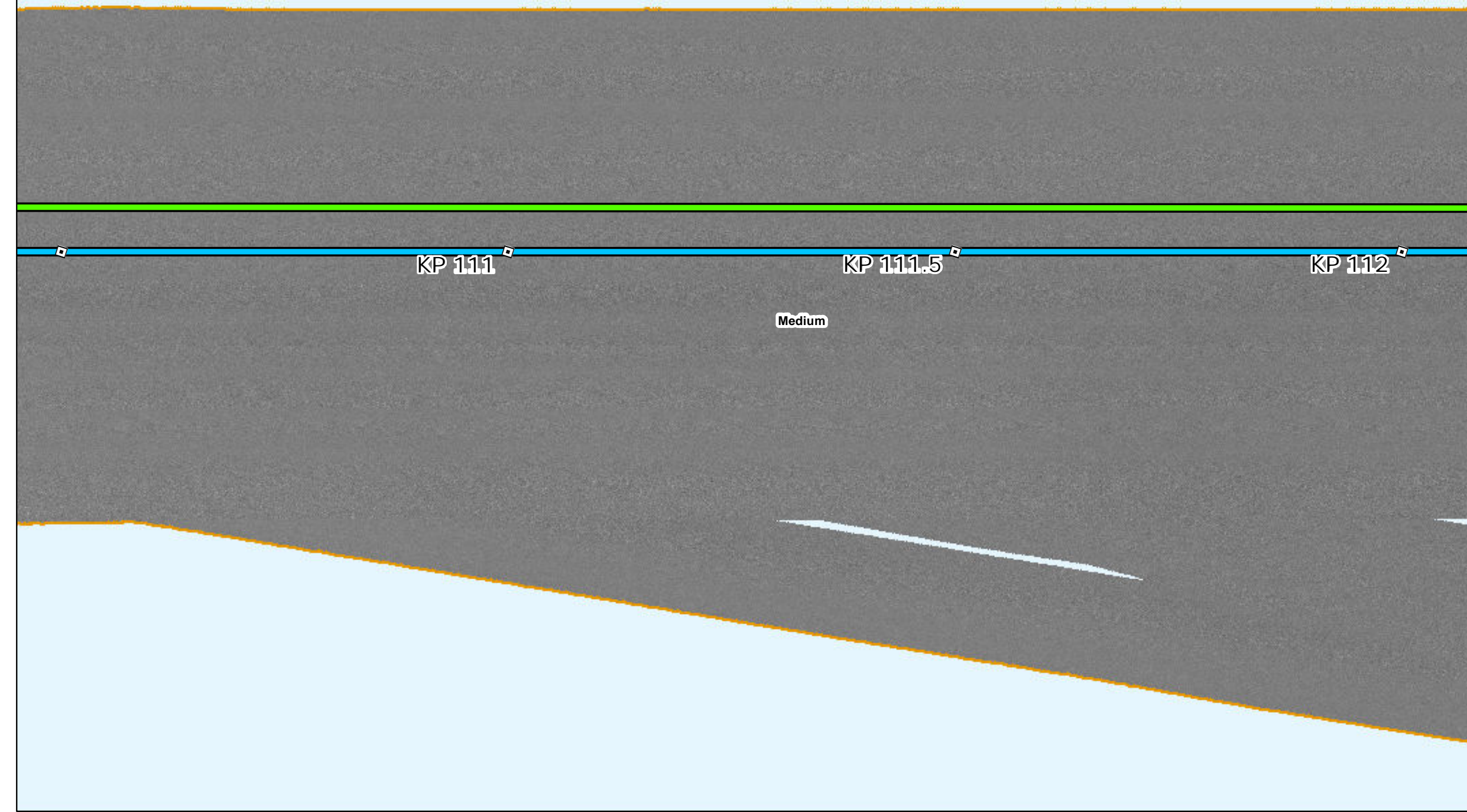
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



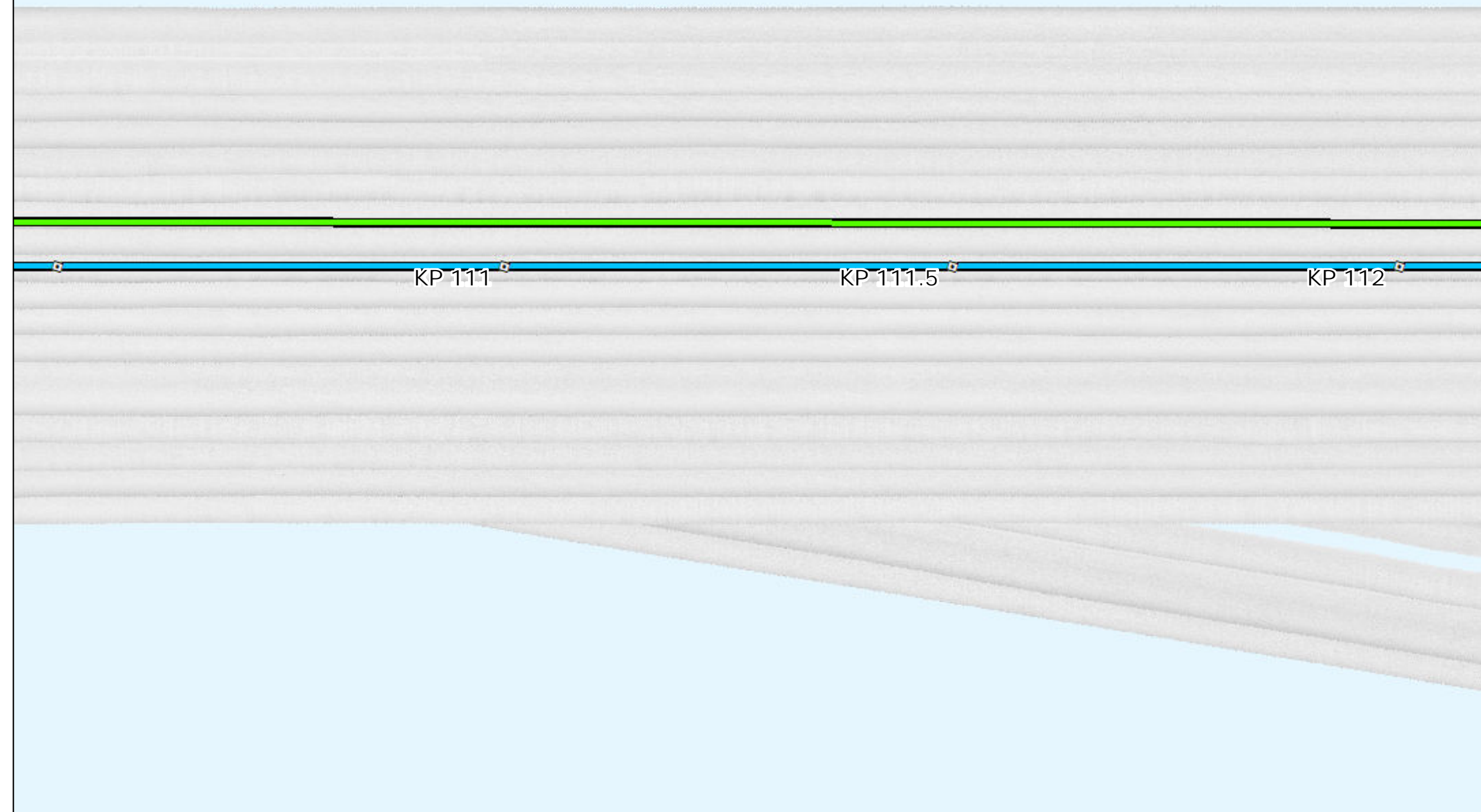
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



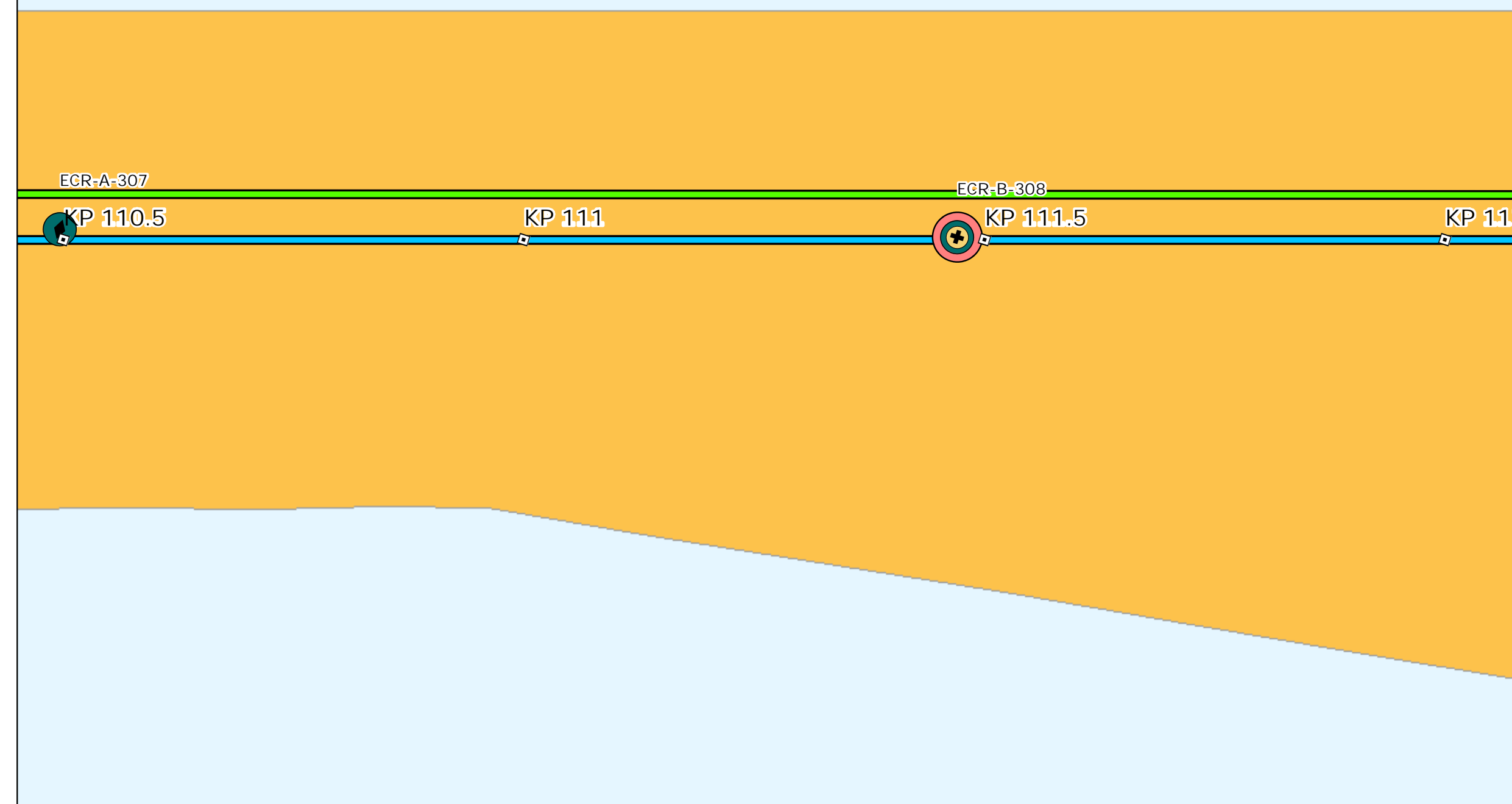
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

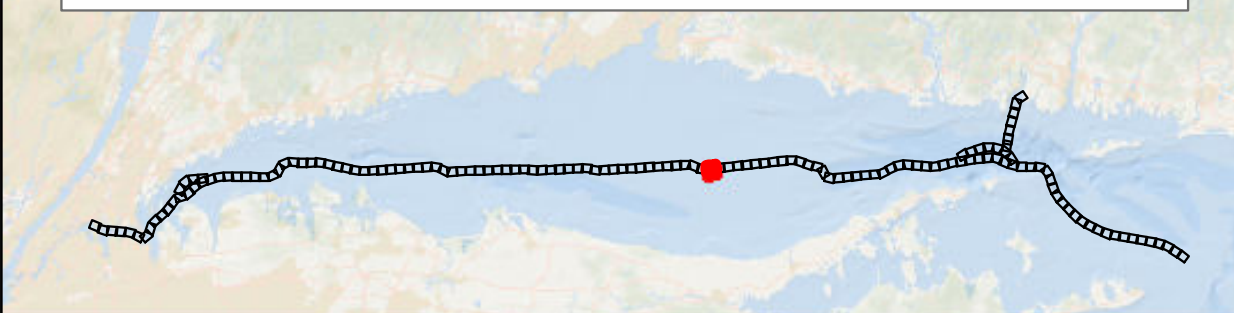


# Interpreted Seabed Sediment/NMFS Habitat Characterization

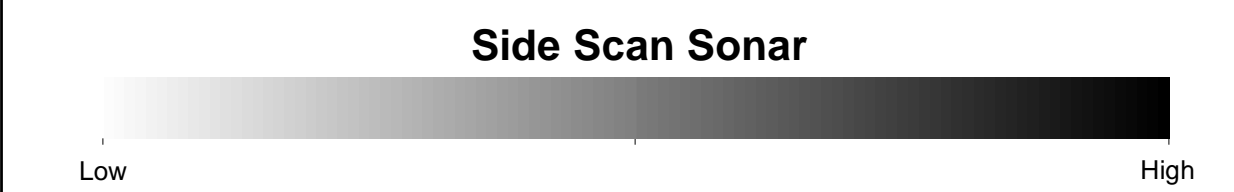
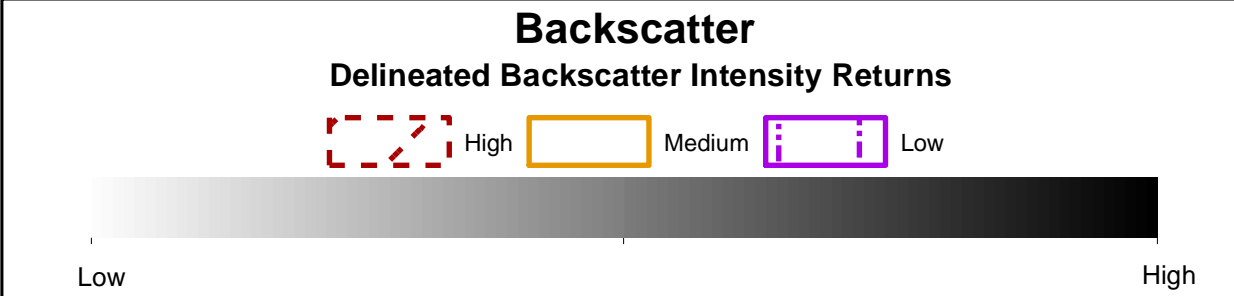
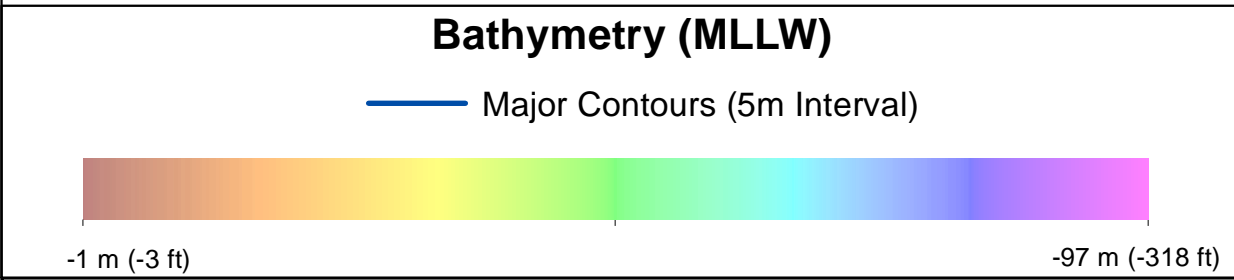
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



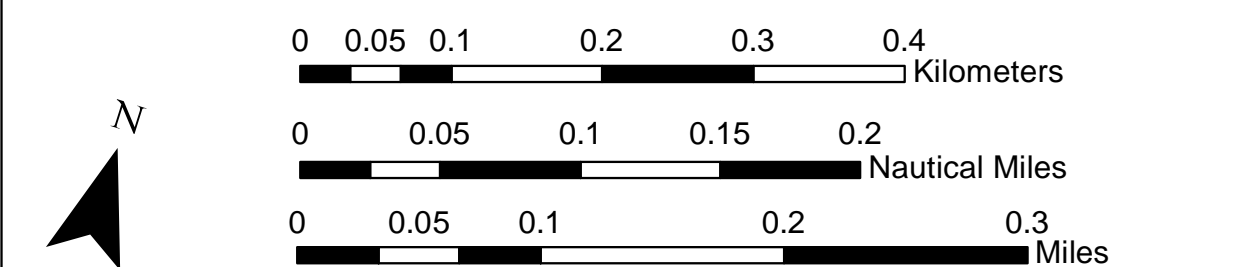
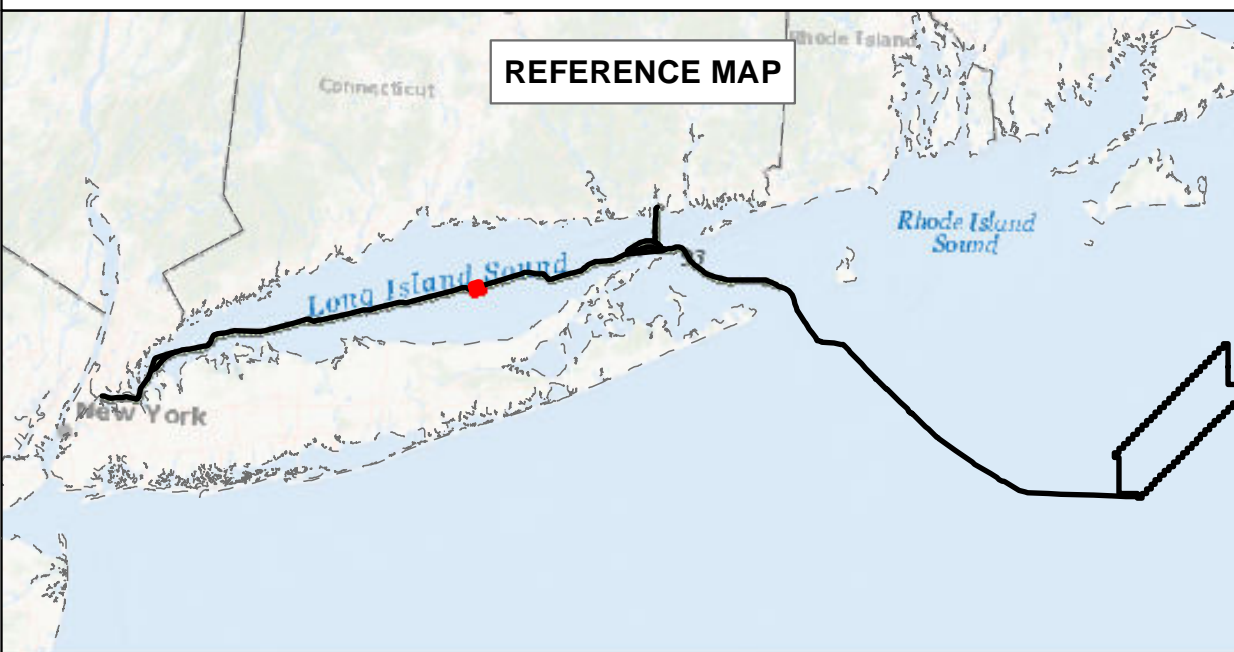
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

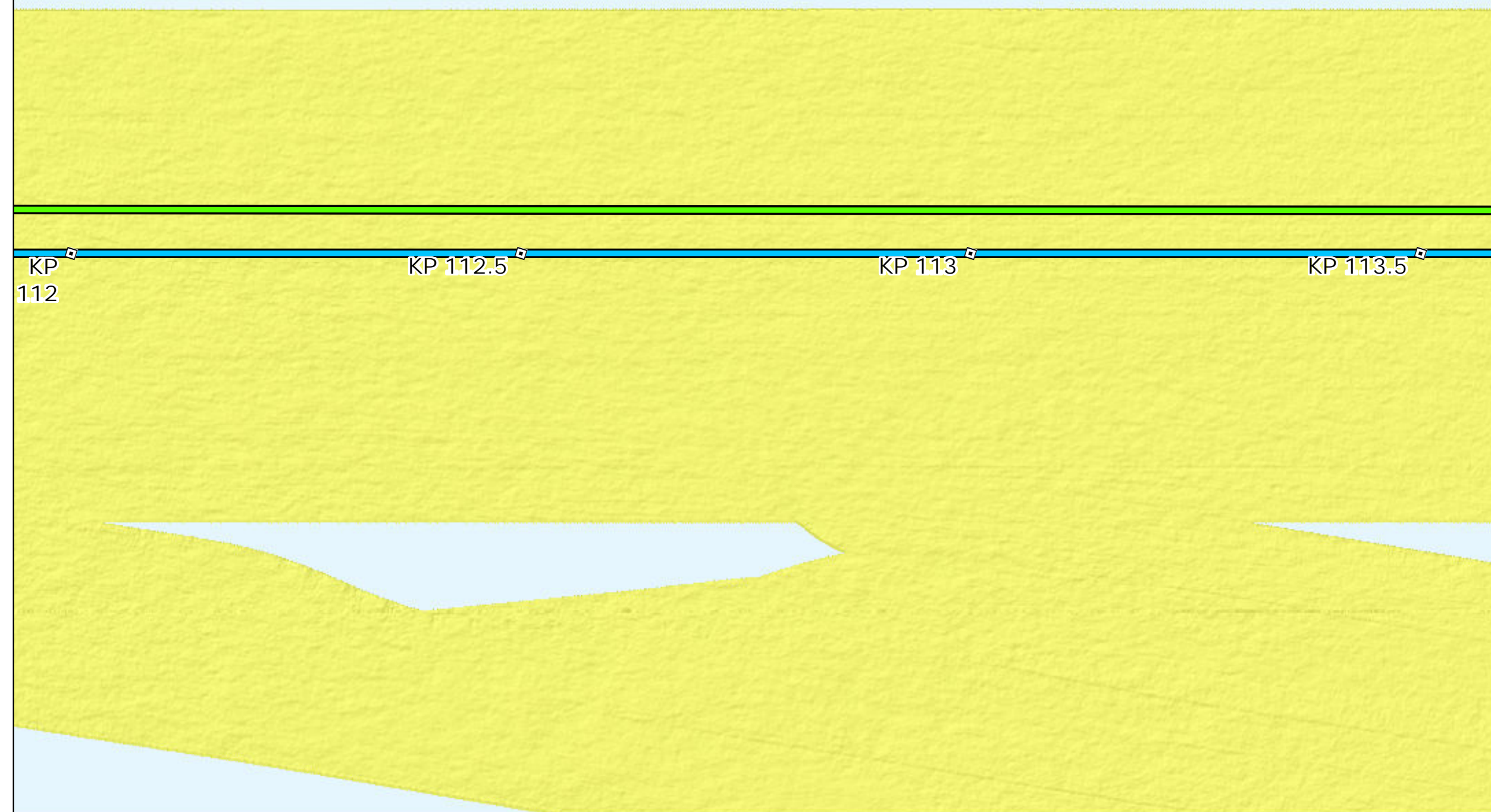
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 79

BW1 (NY) - KP 110.5 - KP 112  
BW2 (NY) - KP 110.5 - KP 112  
BW2 (CT) - N/A



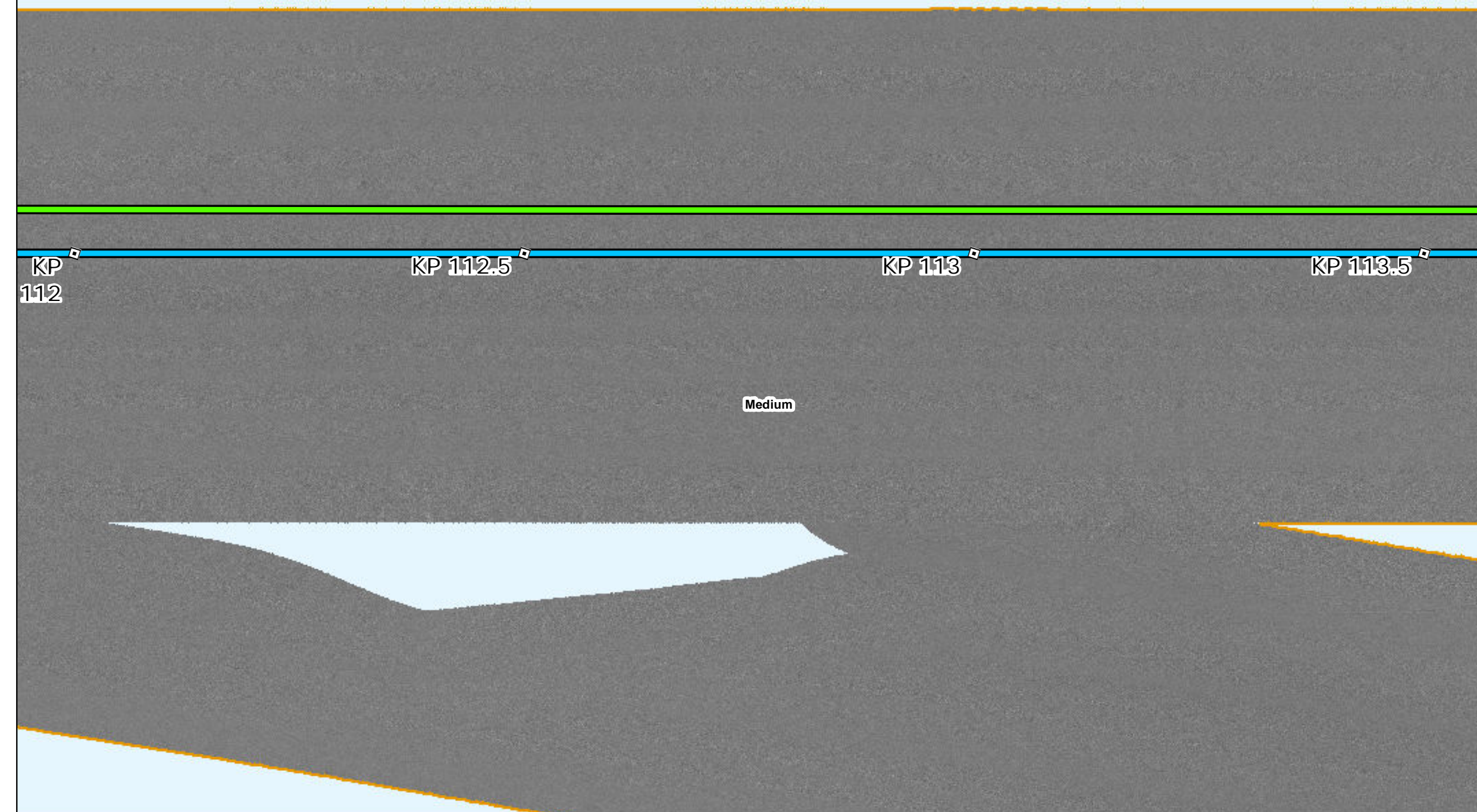
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



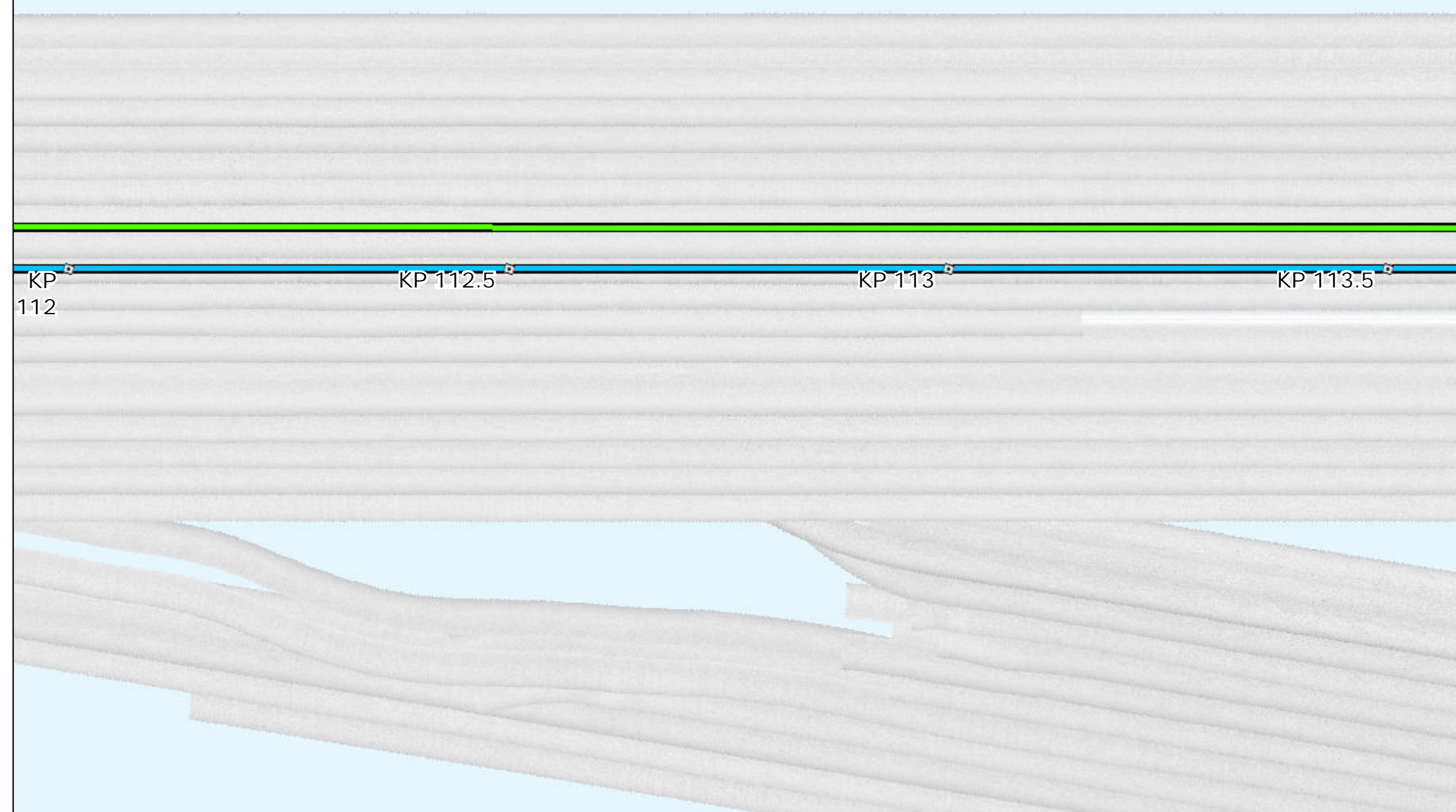
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



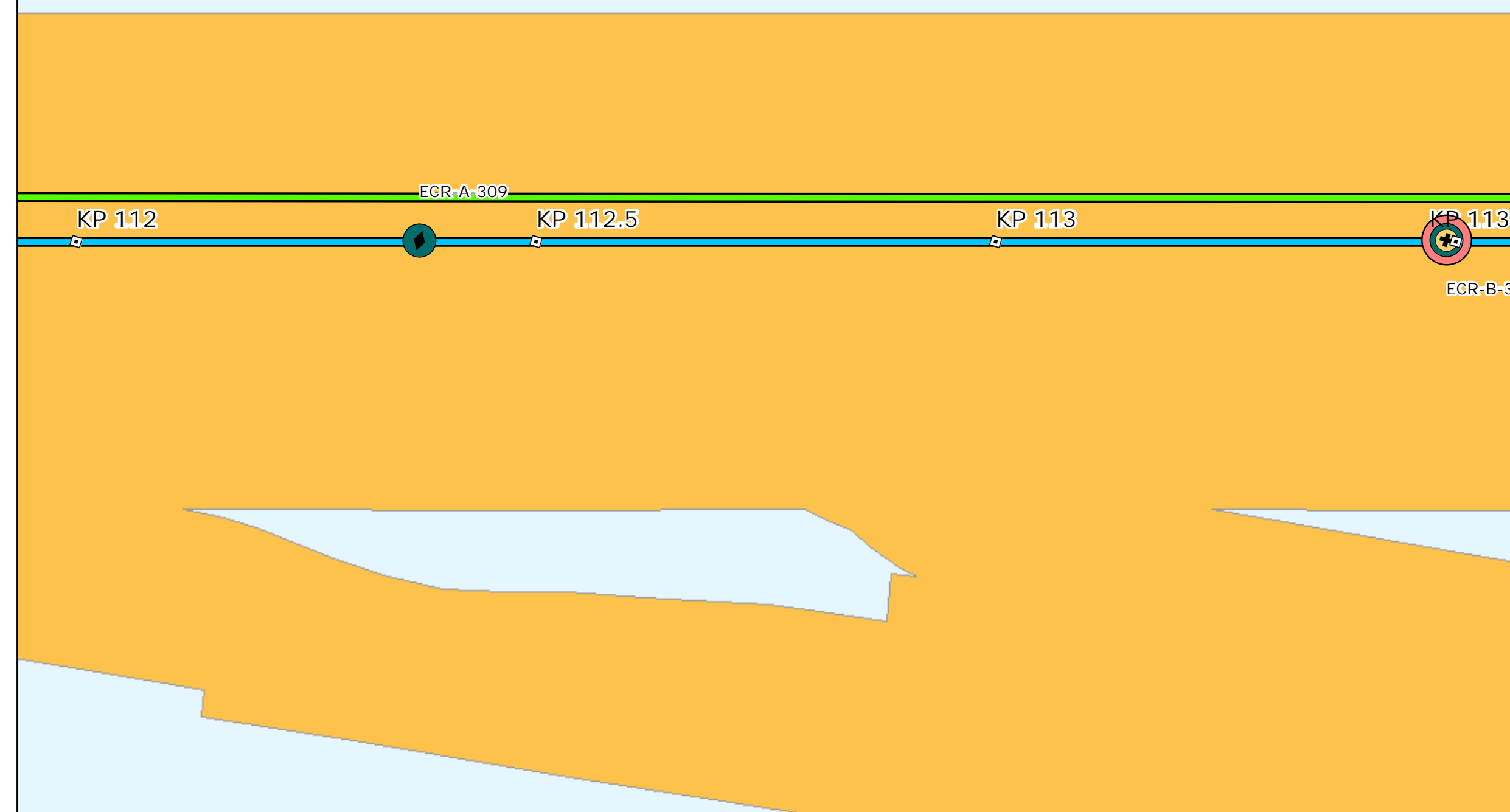
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

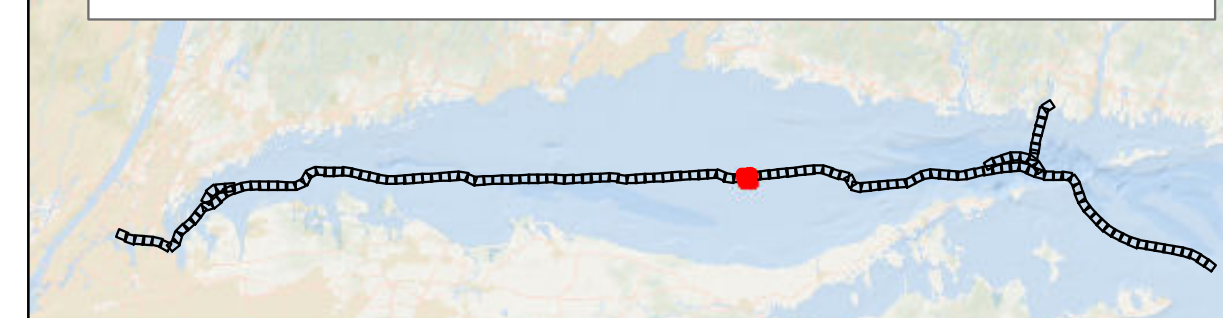


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

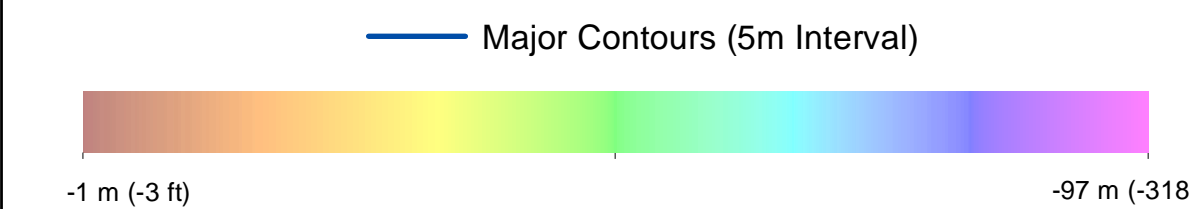


# Map Book Package for Submarine Export Cable Route in State Waters

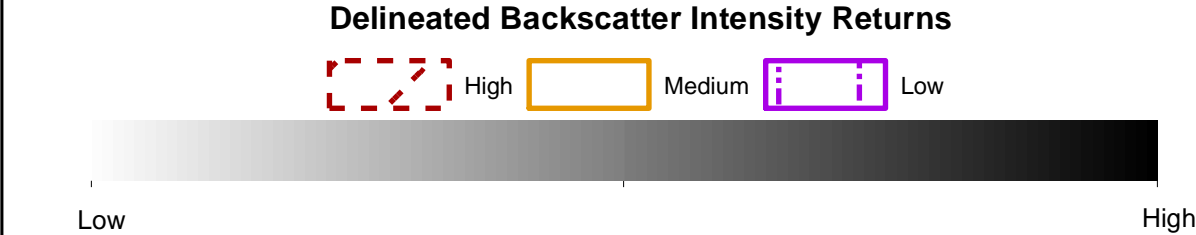


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar

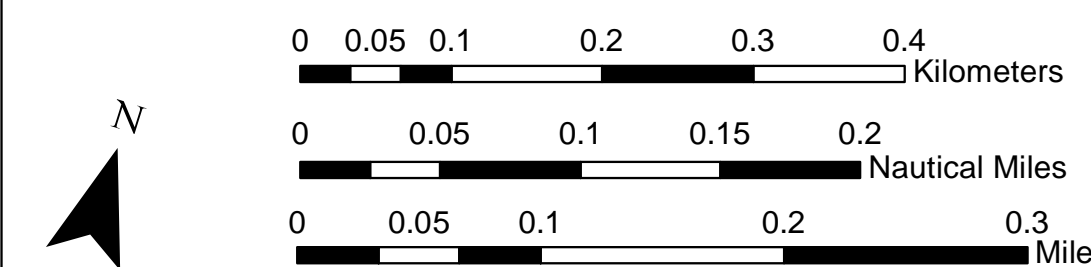
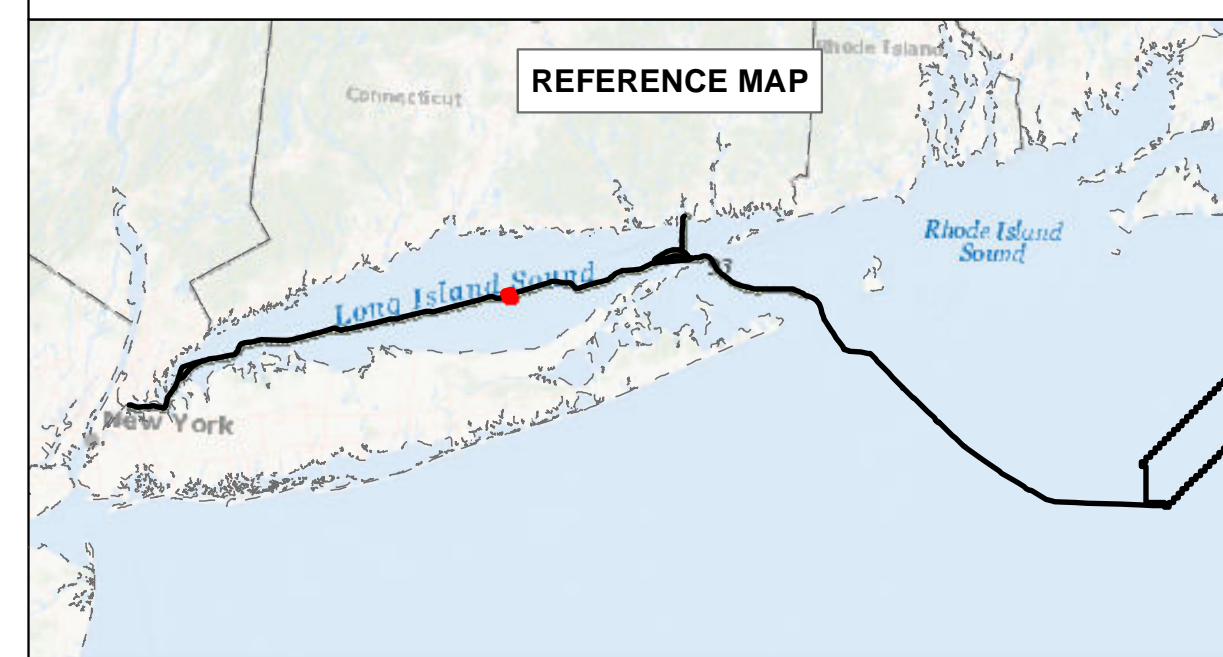


## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



# BEACON WIND LEASE AREA OCS-A 0520

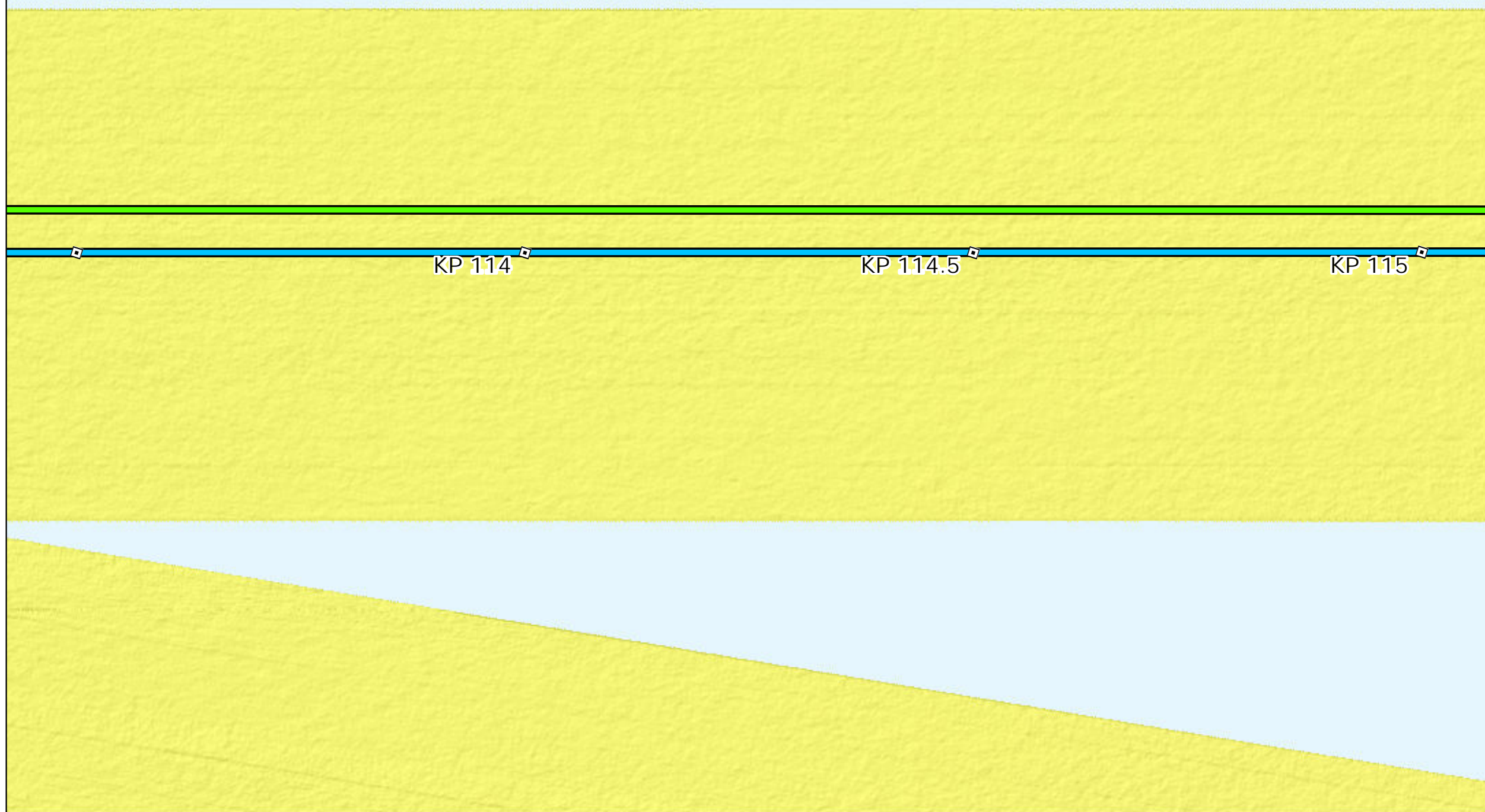
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 80

BW1 (NY) - KP 112 - KP 113.5  
BW2 (NY) - KP 112 - KP 113.5  
BW2 (CT) - N/A



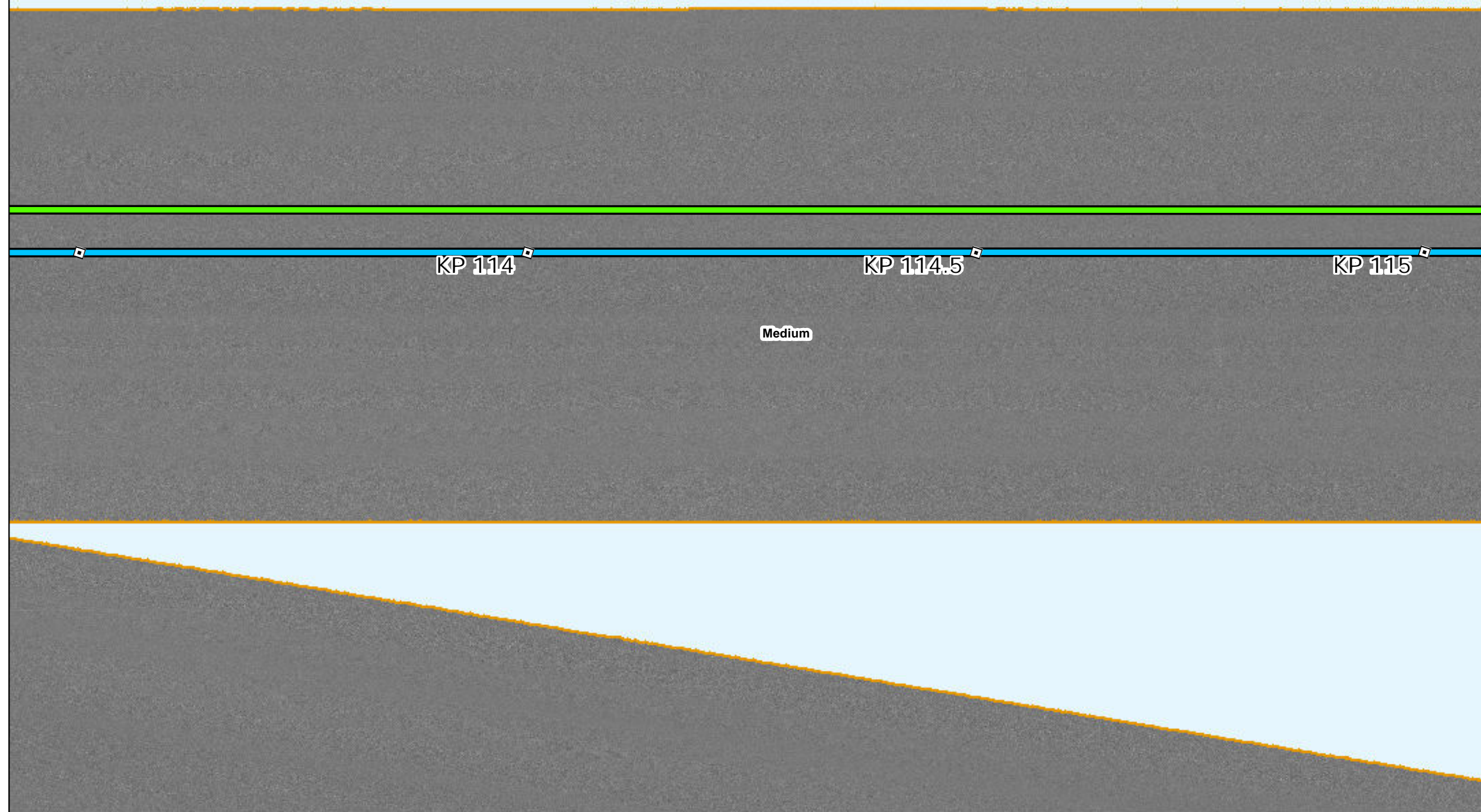
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



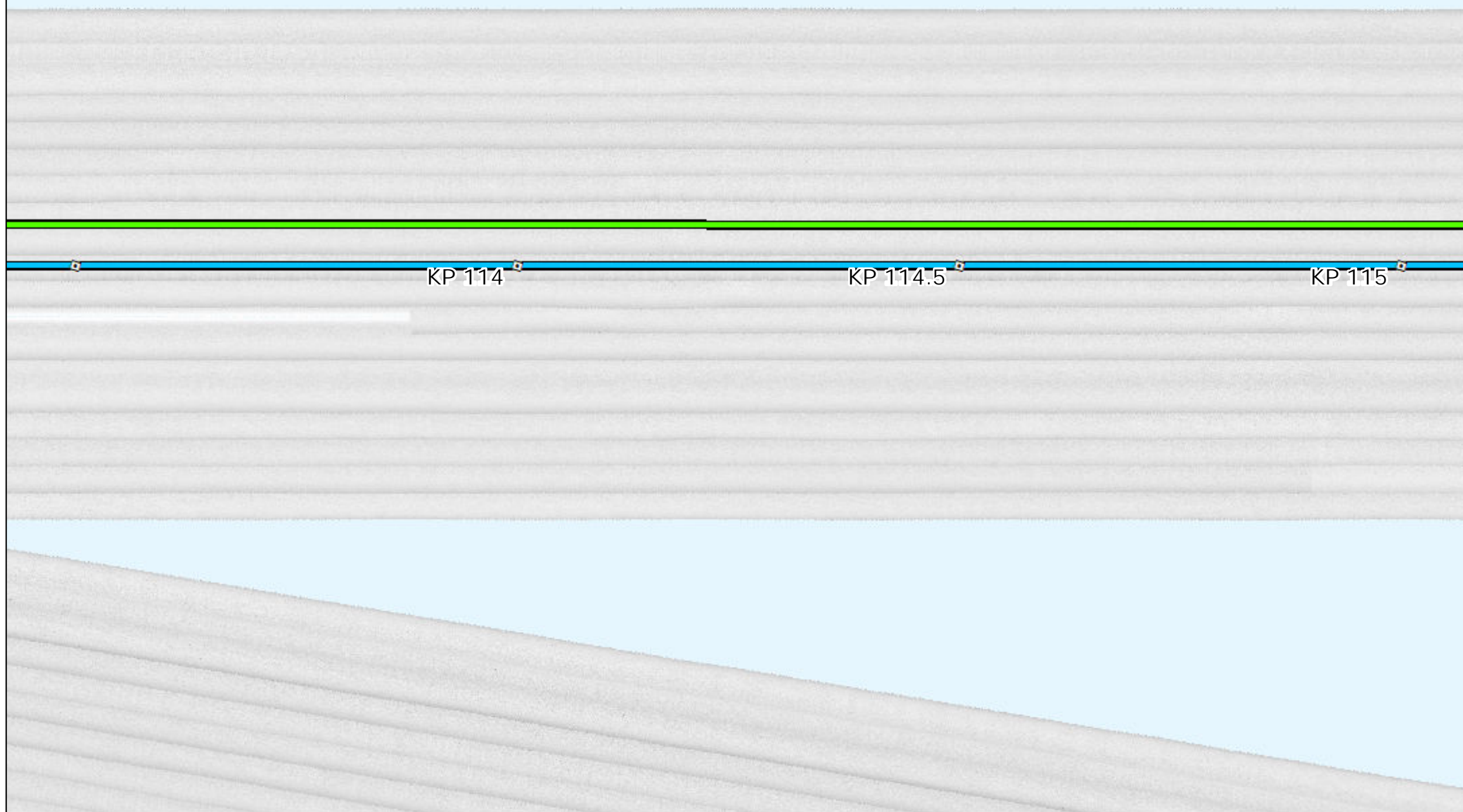
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



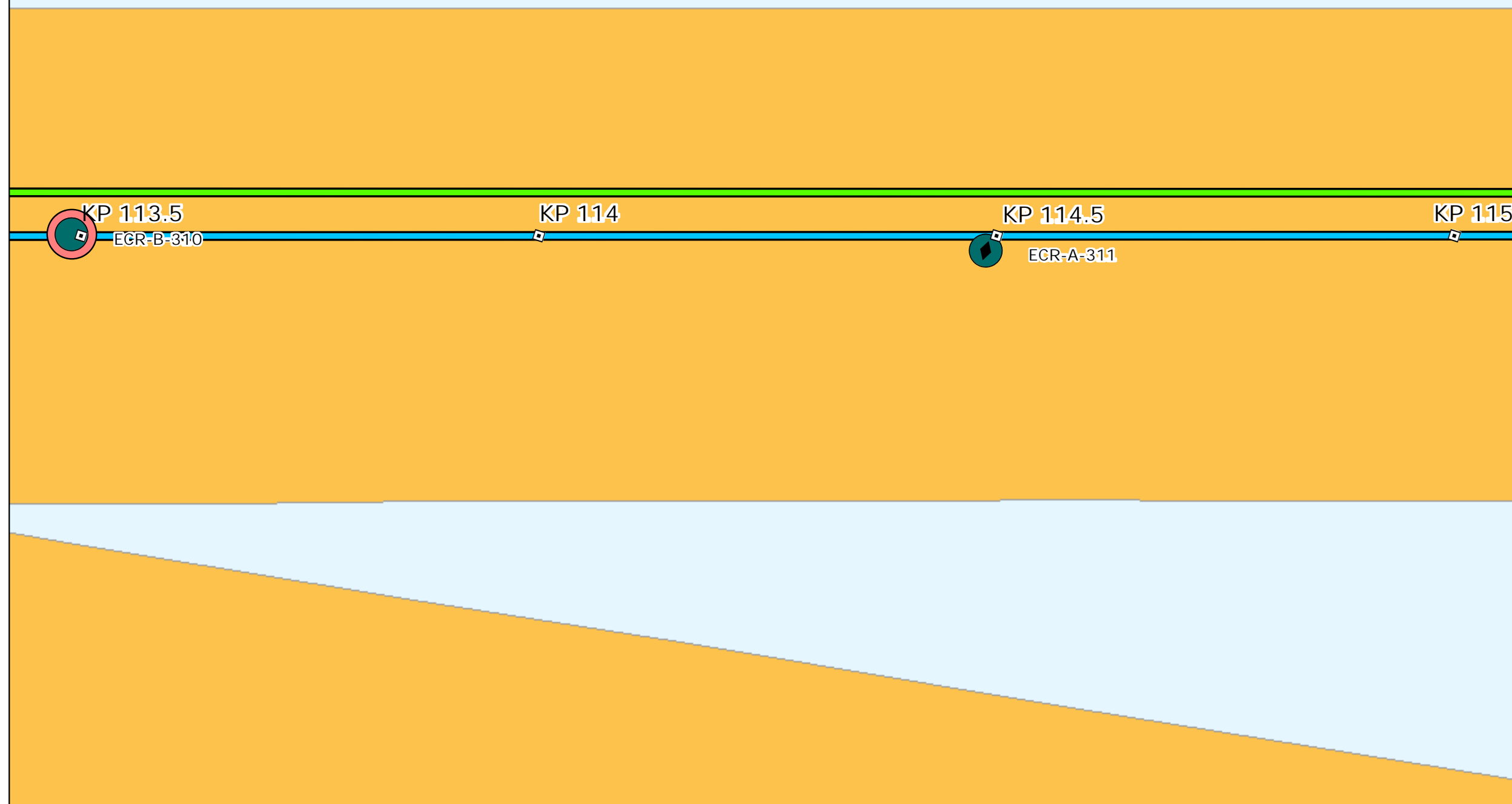
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

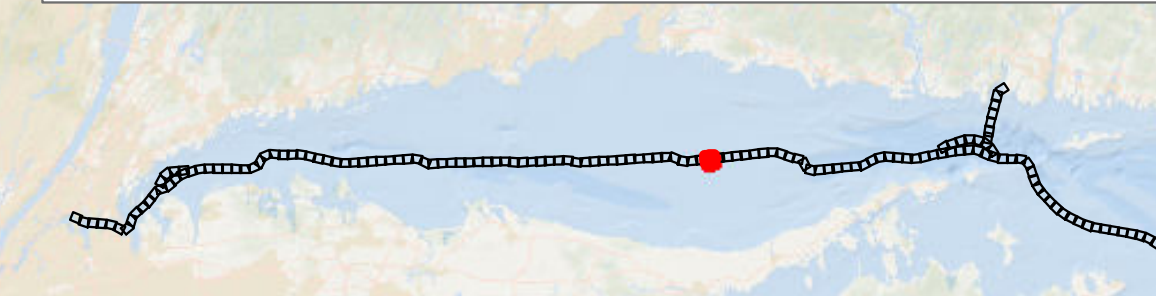


# Interpreted Seabed Sediment/NMFS Habitat Characterization

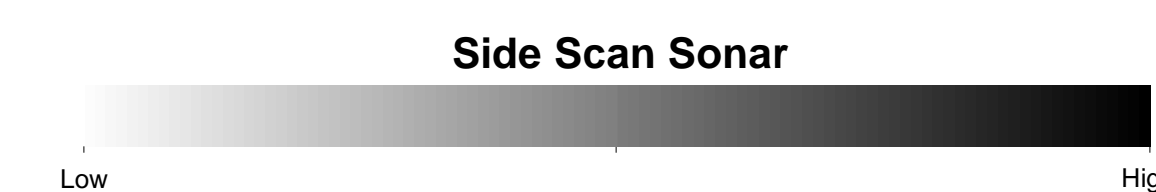
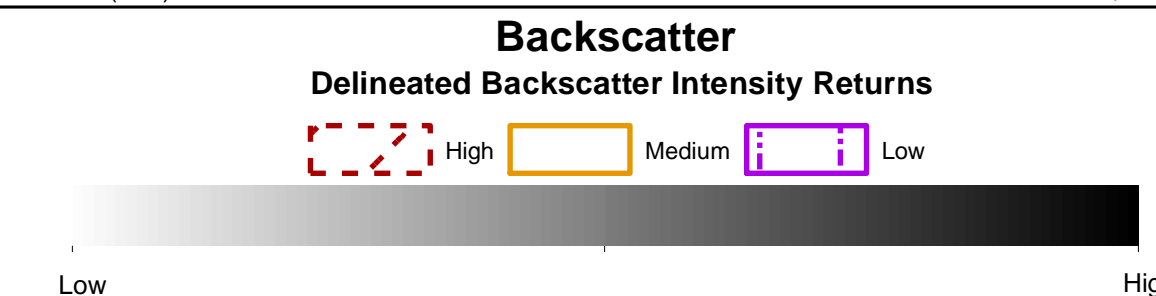
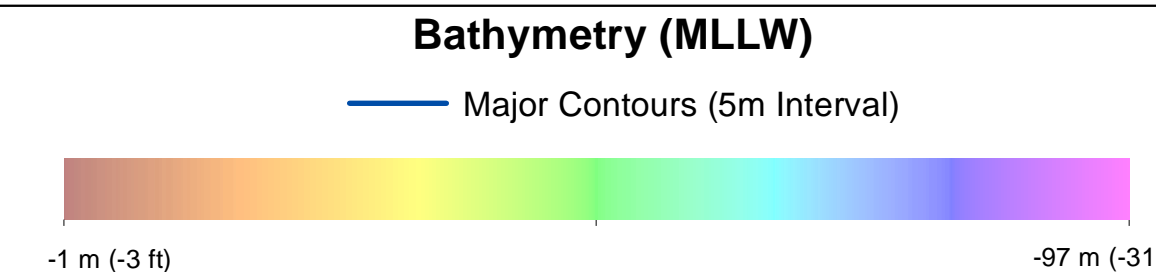
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



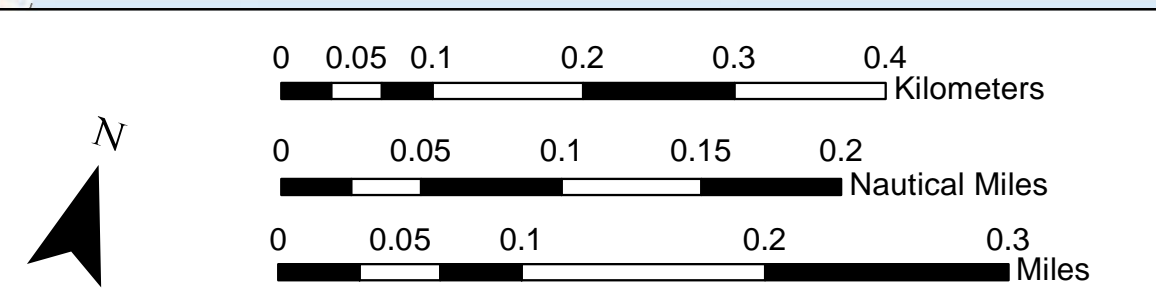
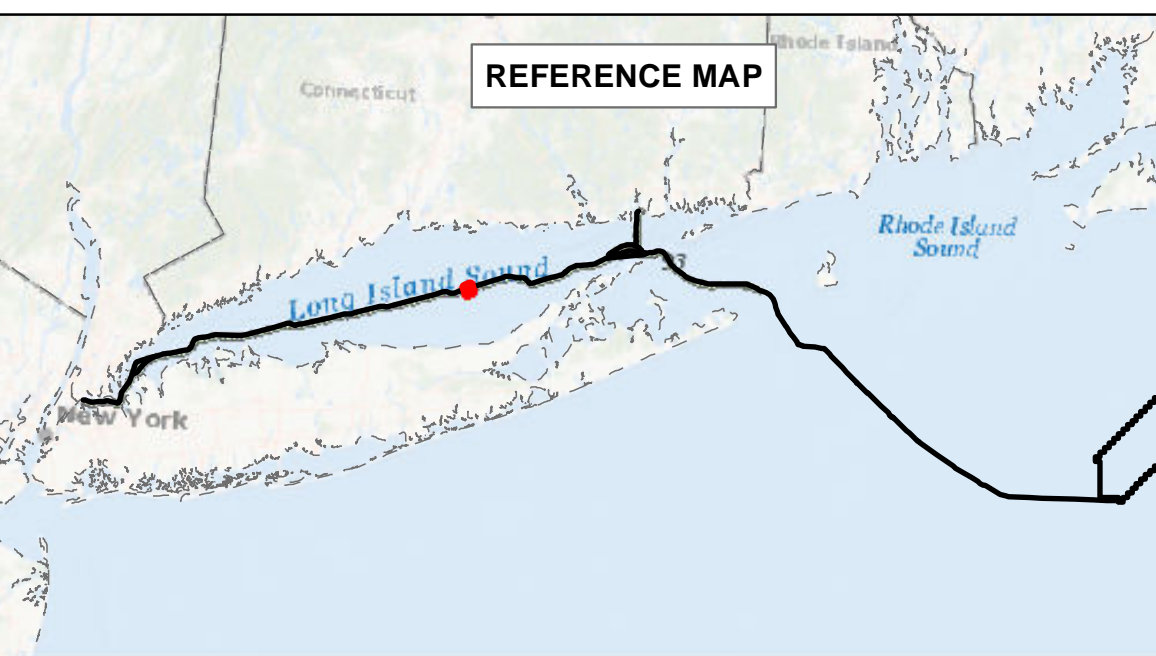
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- ✚ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Sandy Mud
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

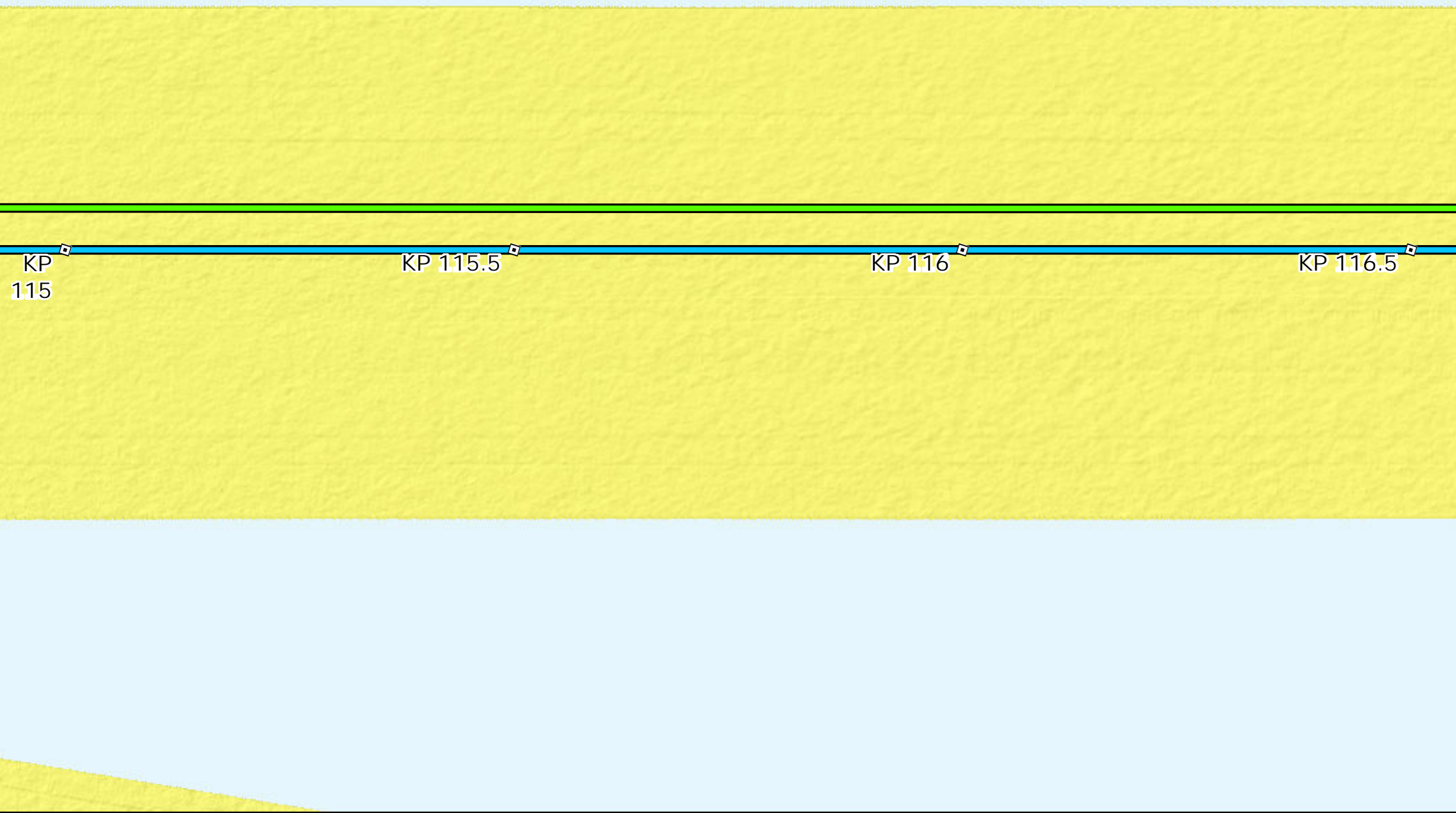
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 81

BW1 (NY) - KP 114 - KP 115  
BW2 (NY) - KP 114 - KP 115  
BW2 (CT) - N/A



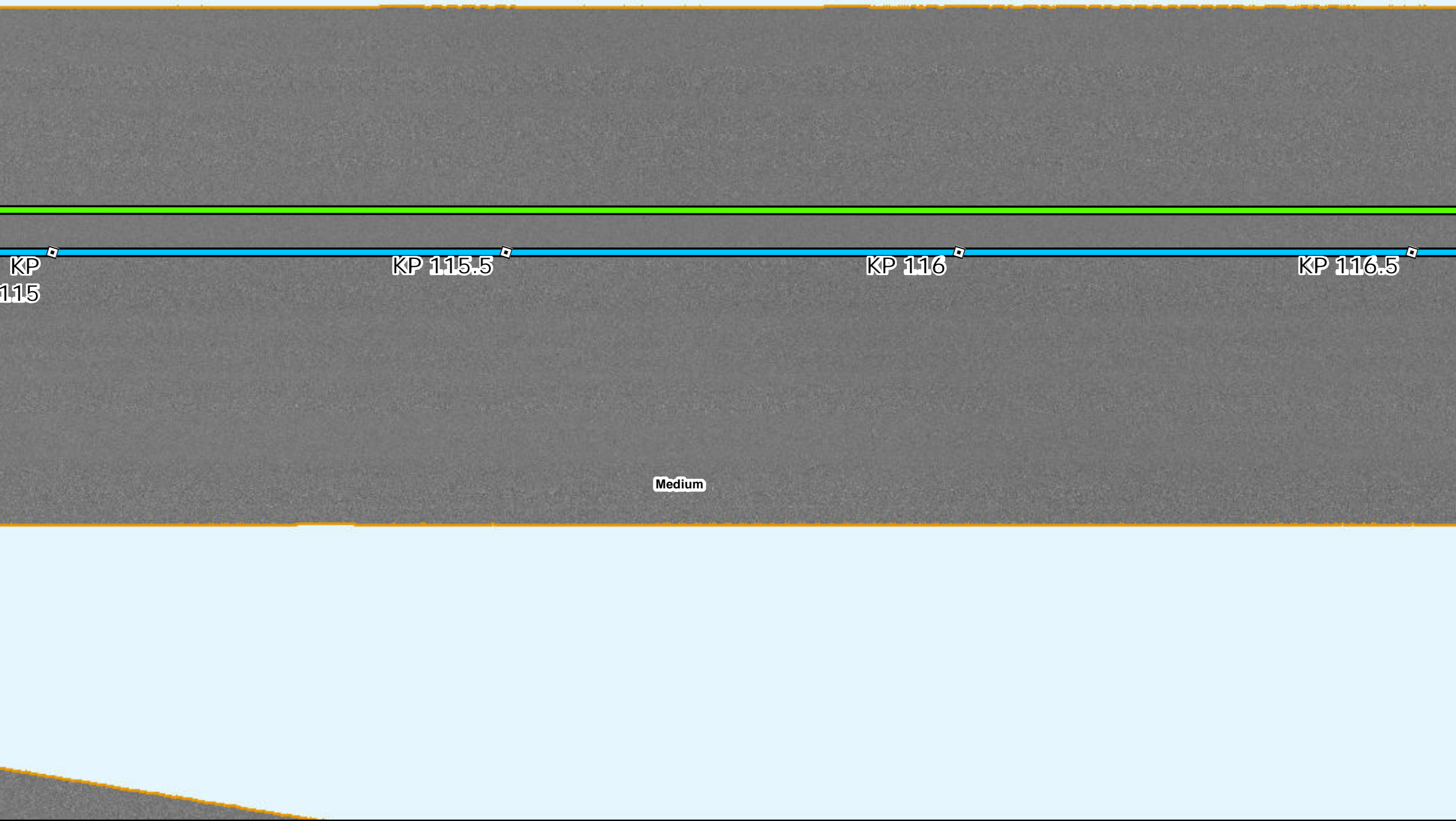
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



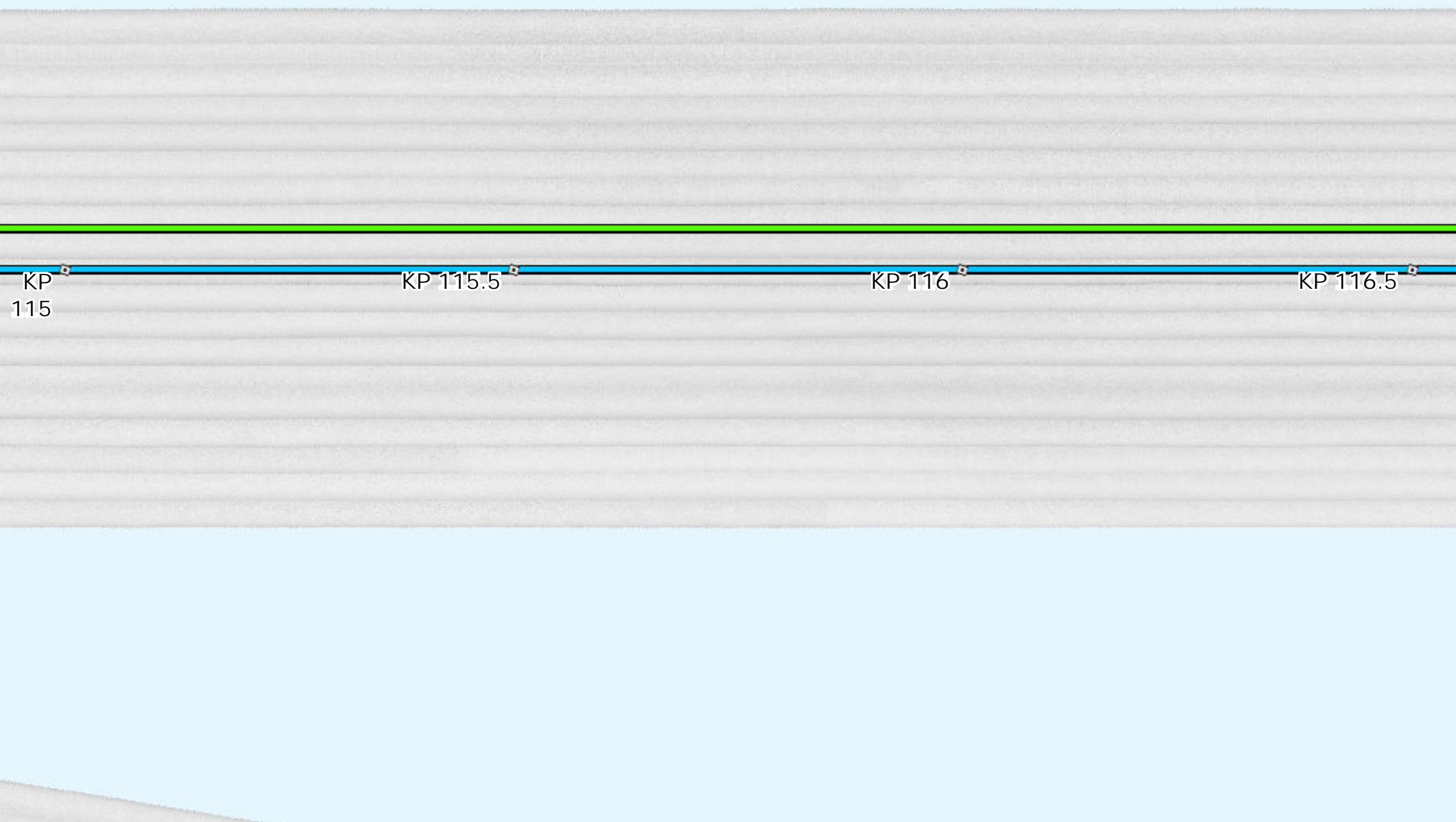
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



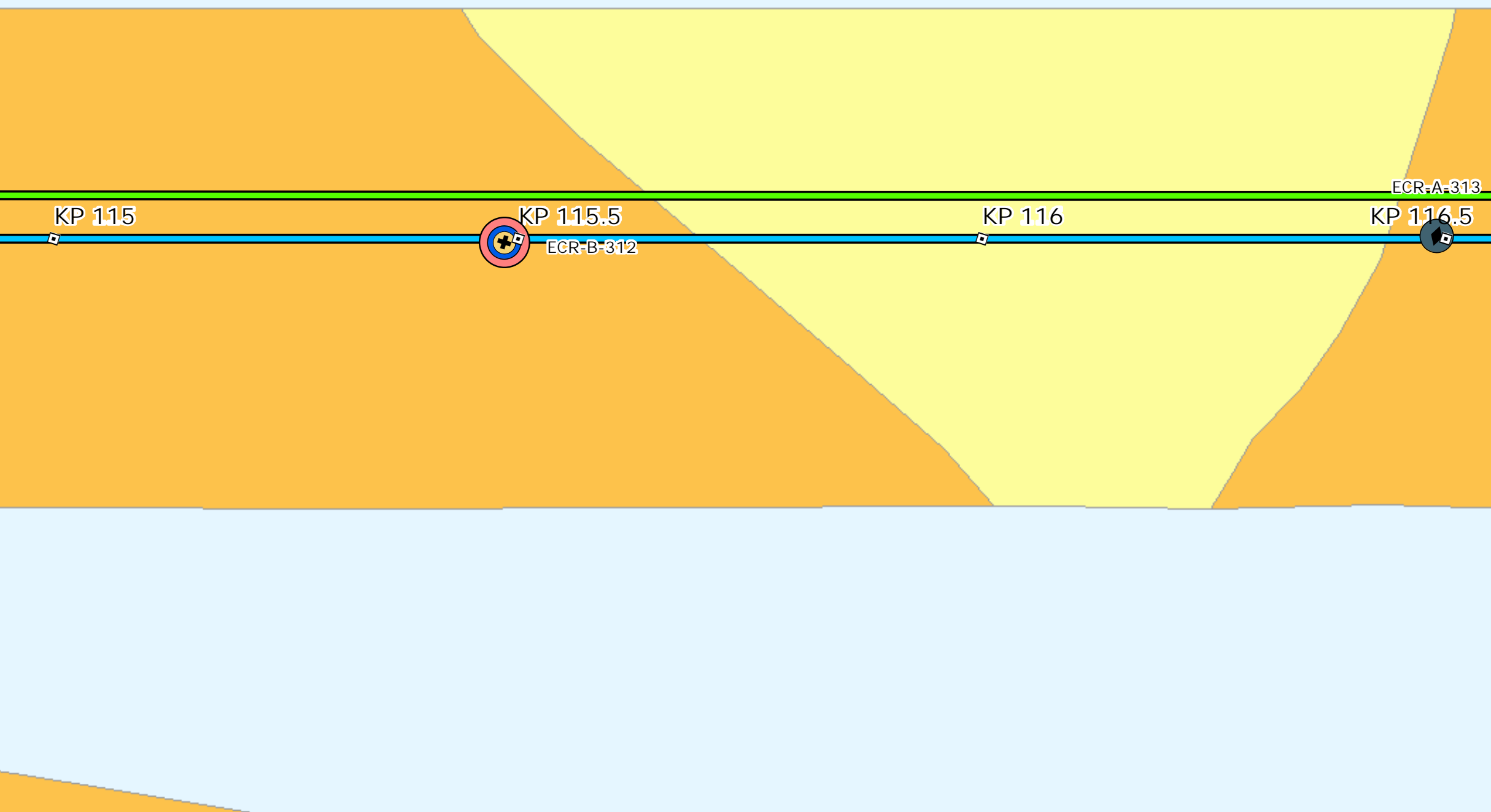
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

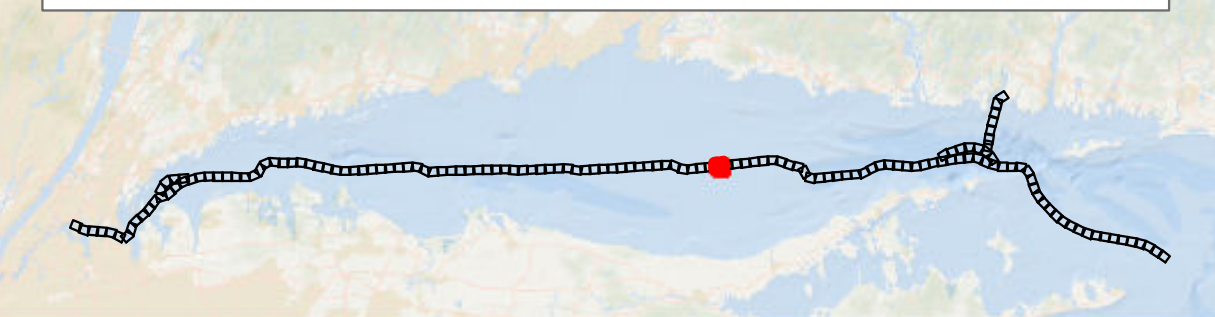


# Interpreted Seabed Sediment/NMFS Habitat Characterization

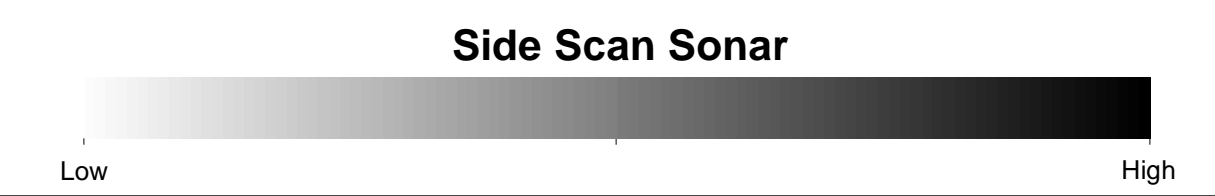
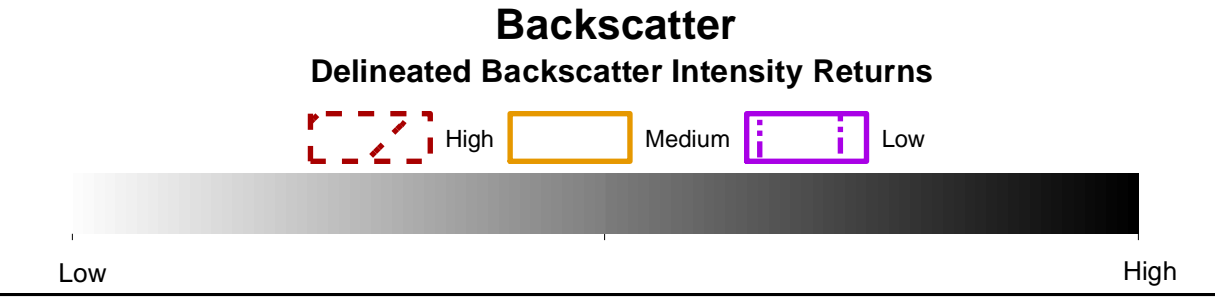
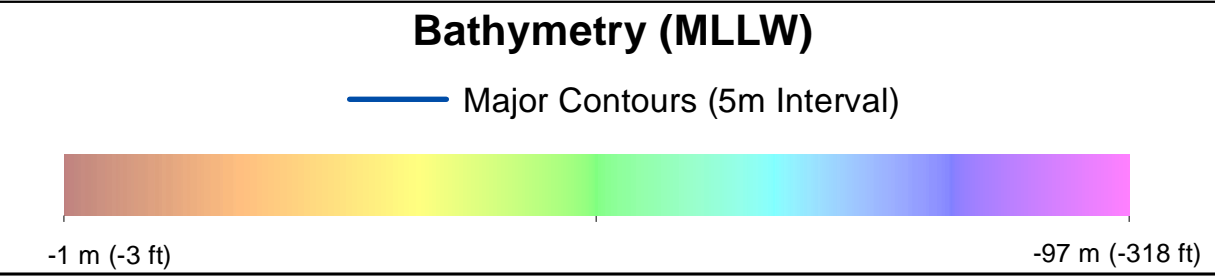
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

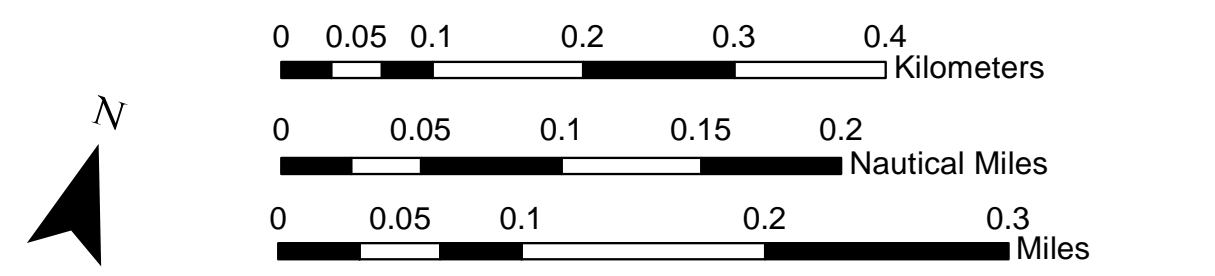
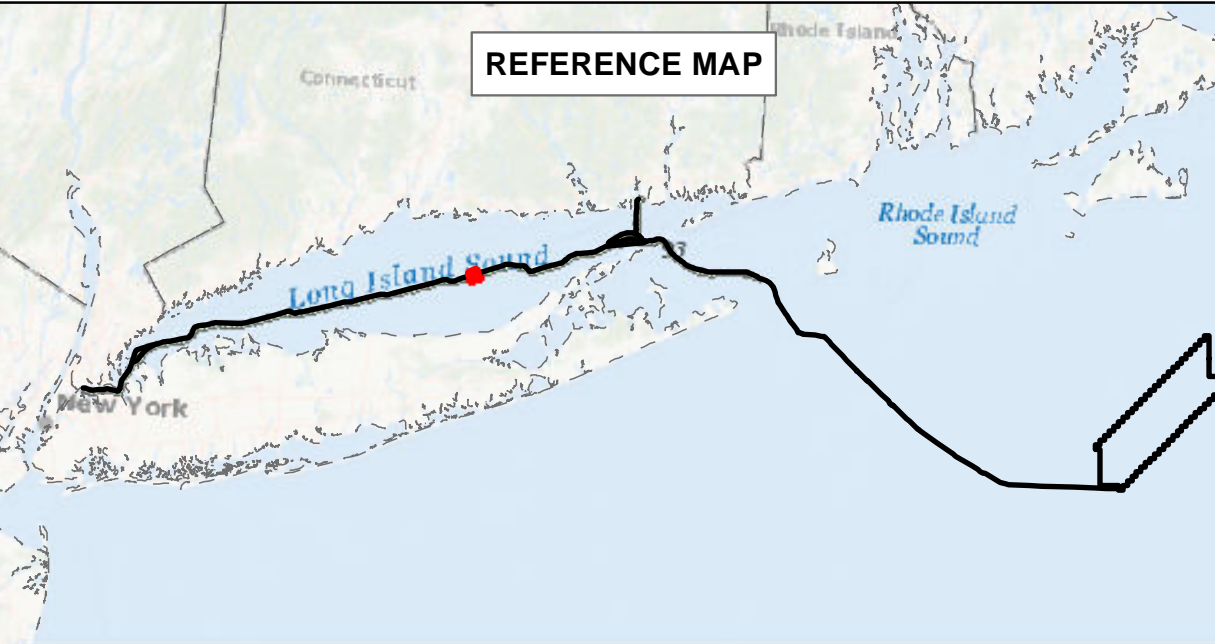


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Muddy Sand
  - Sand
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

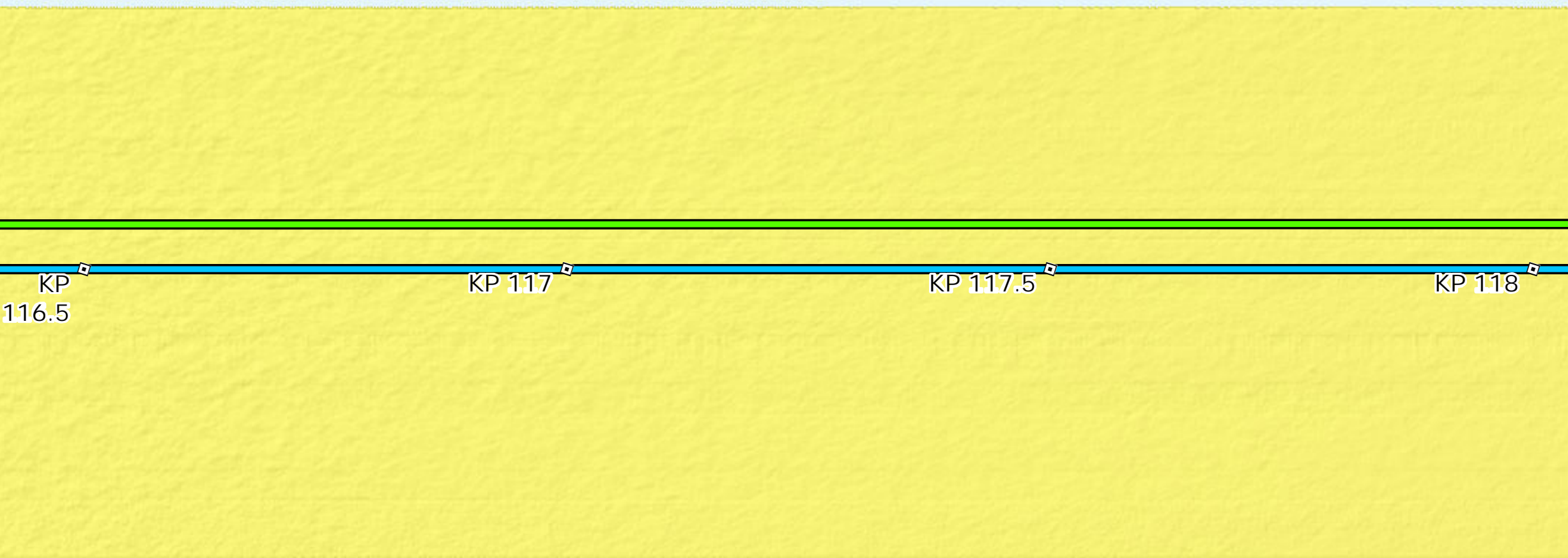
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 82

BW1 (NY) - KP 115 - KP 116.5  
BW2 (NY) - KP 115 - KP 116.5  
BW2 (CT) - N/A



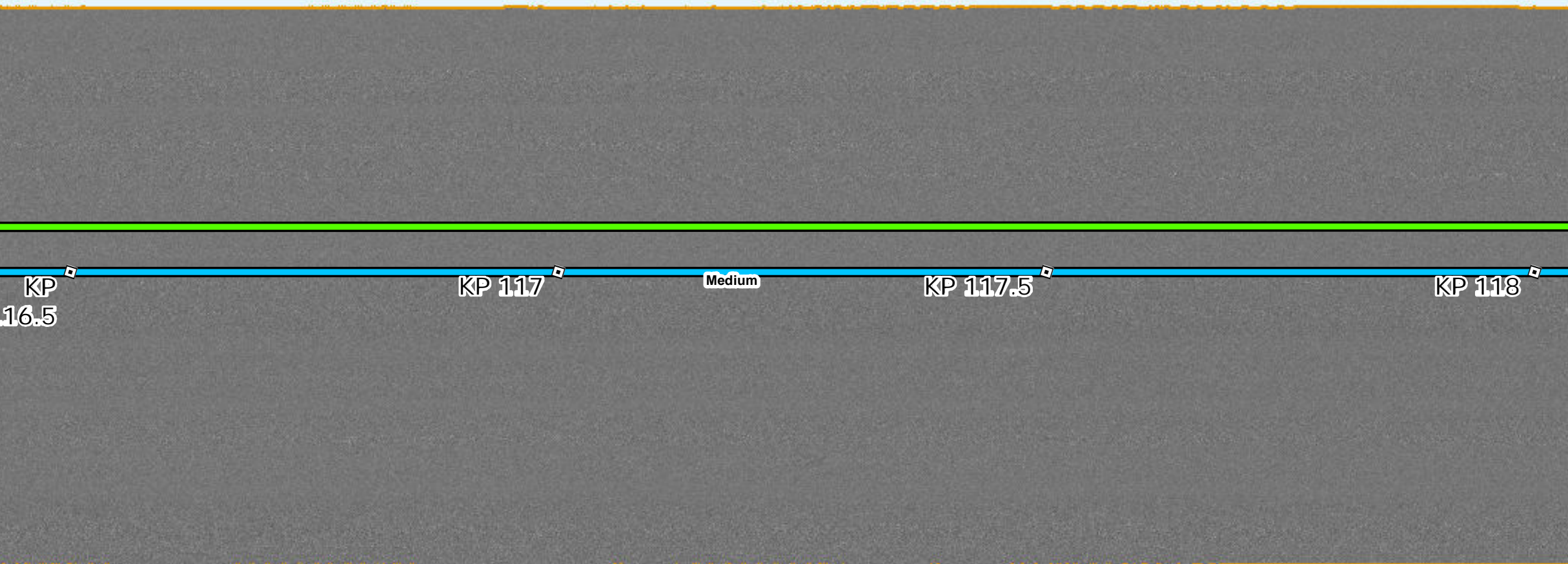
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



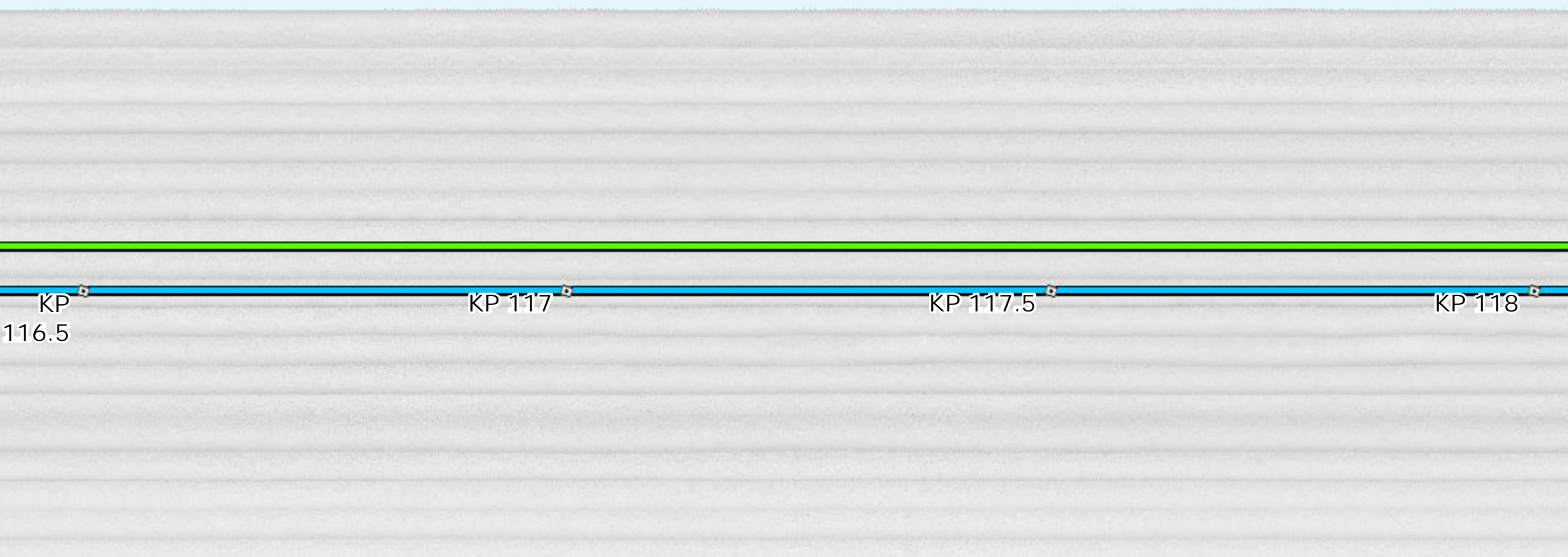
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



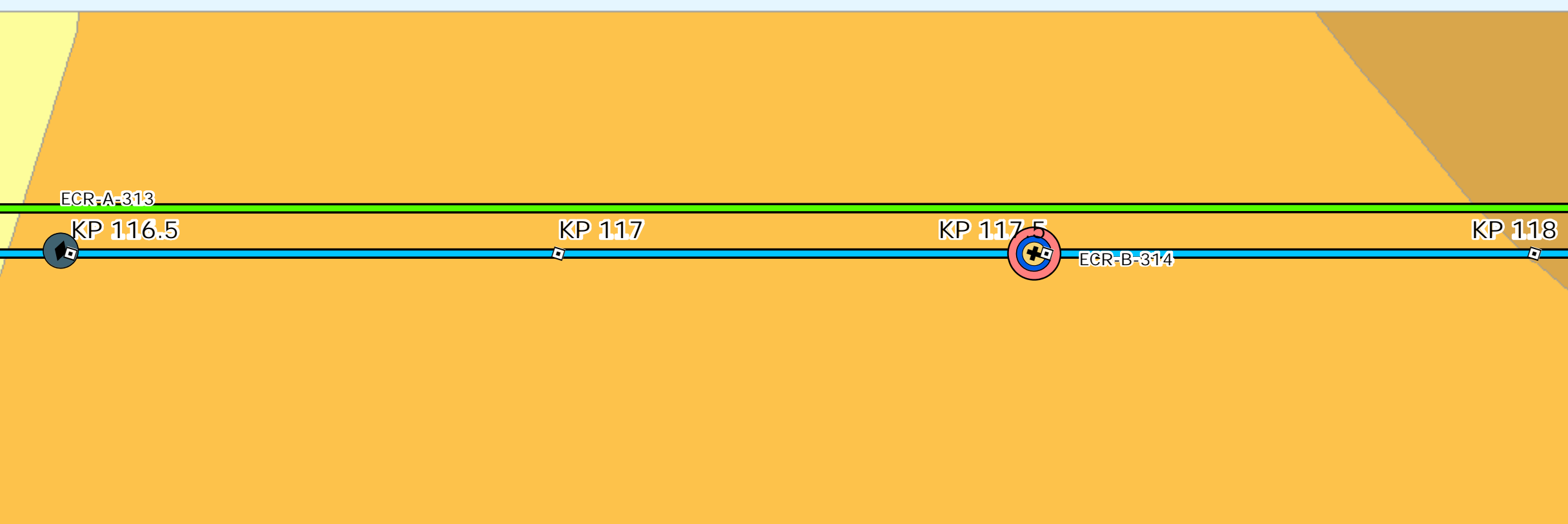
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

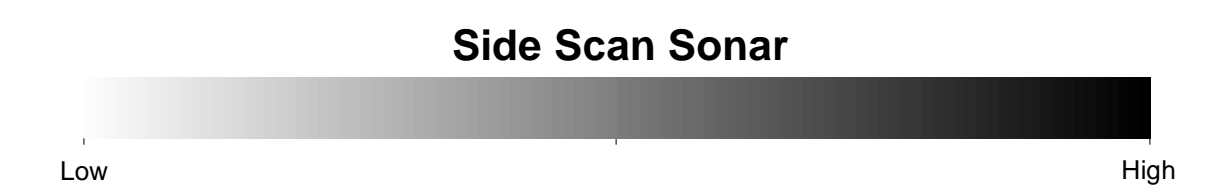
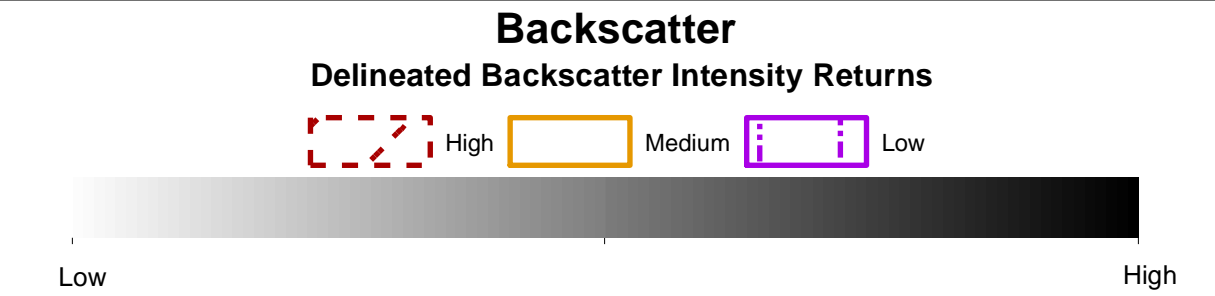
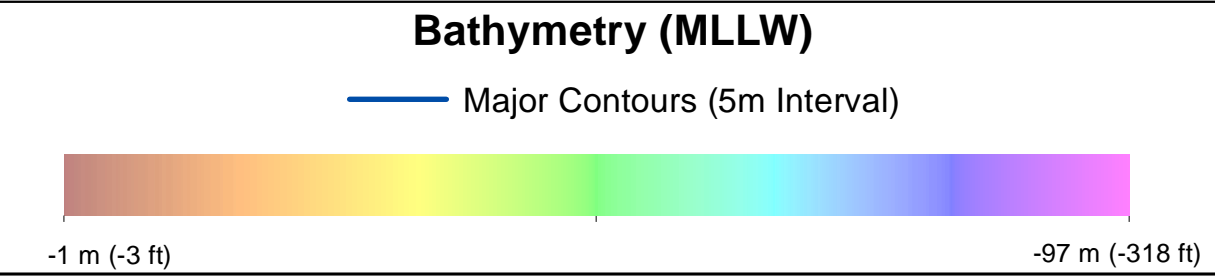
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

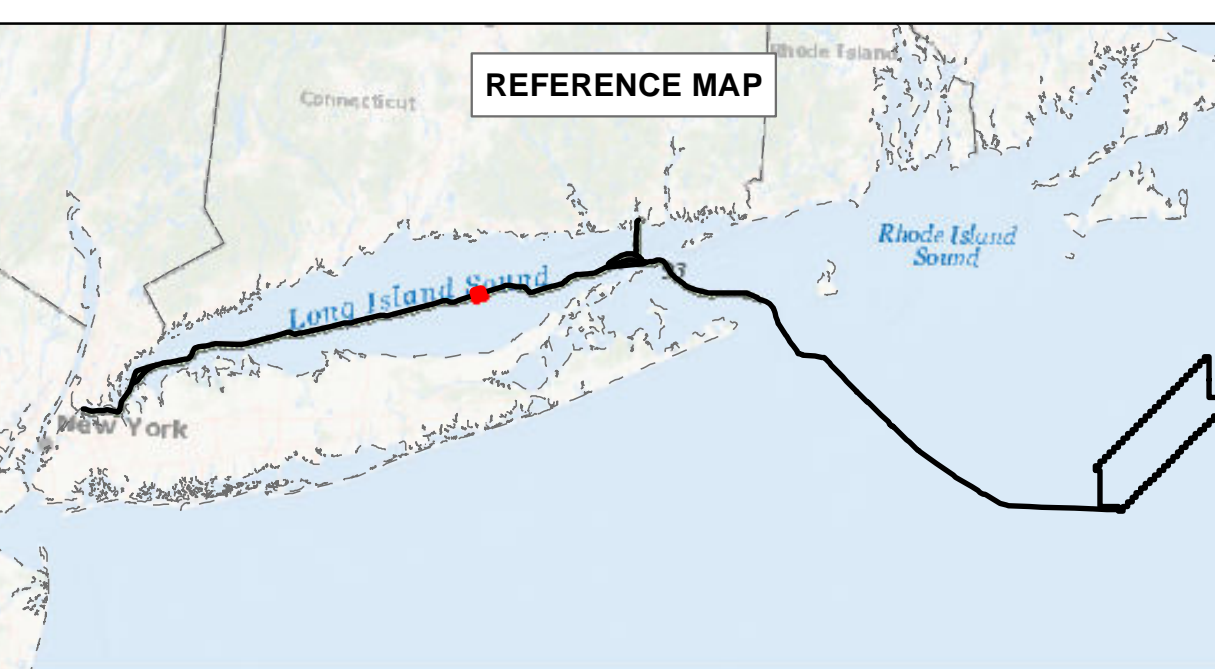


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
    - SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Muddy Sand
    - Sand
  - CMECS Geoform**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

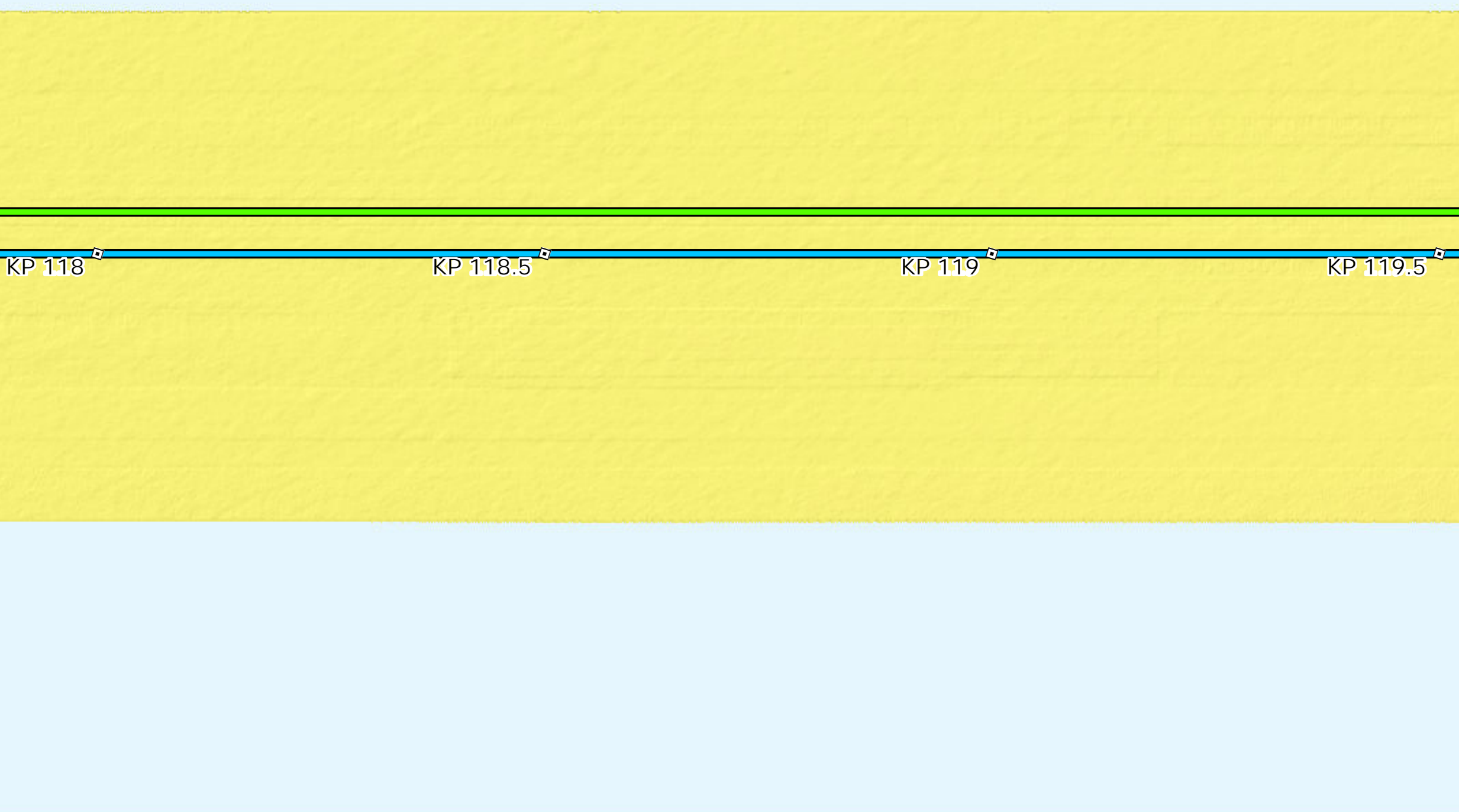
#### Tile 83

BW1 (NY) - KP 116.5 - KP 118  
BW2 (NY) - KP 116.5 - KP 118  
BW2 (CT) - N/A



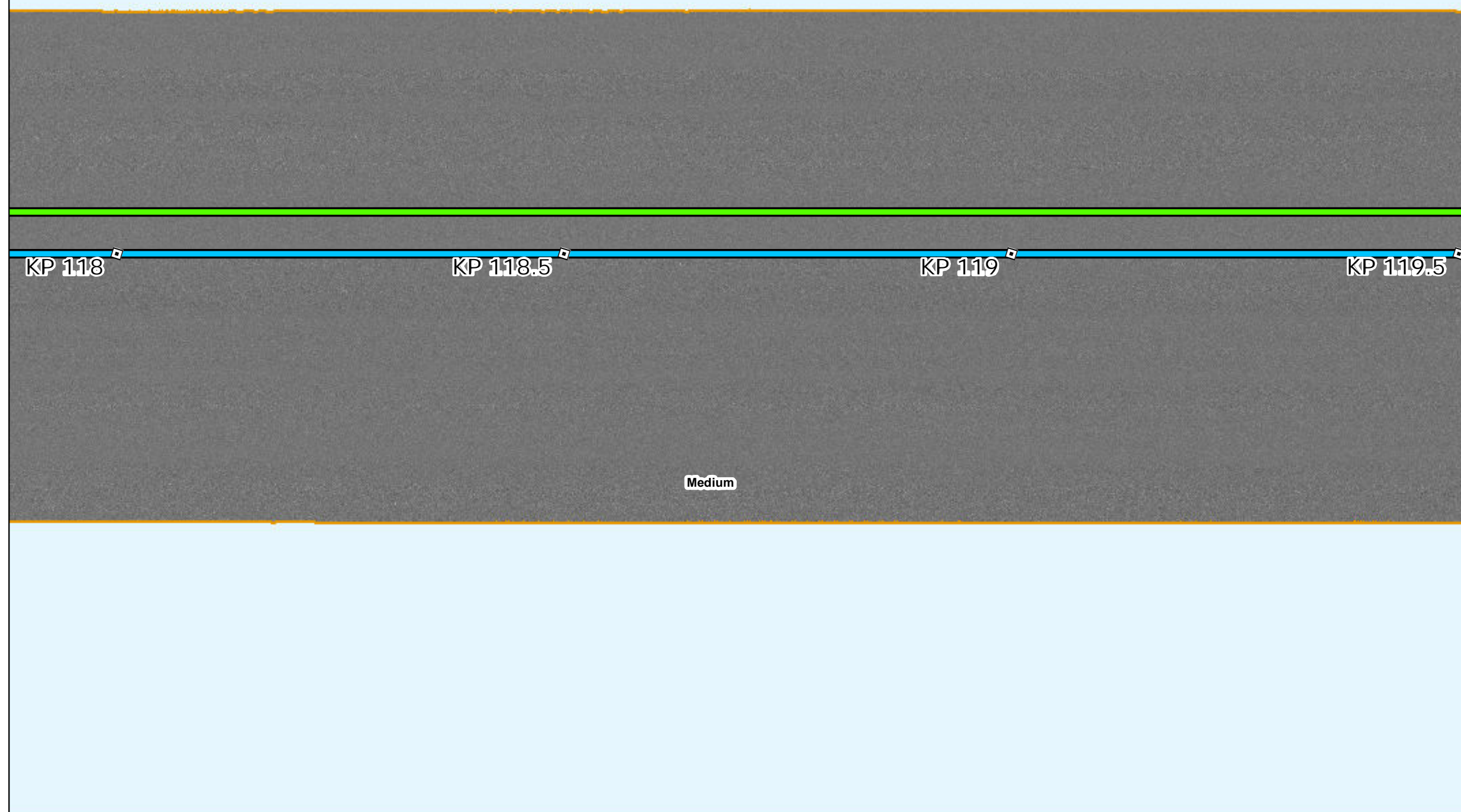
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



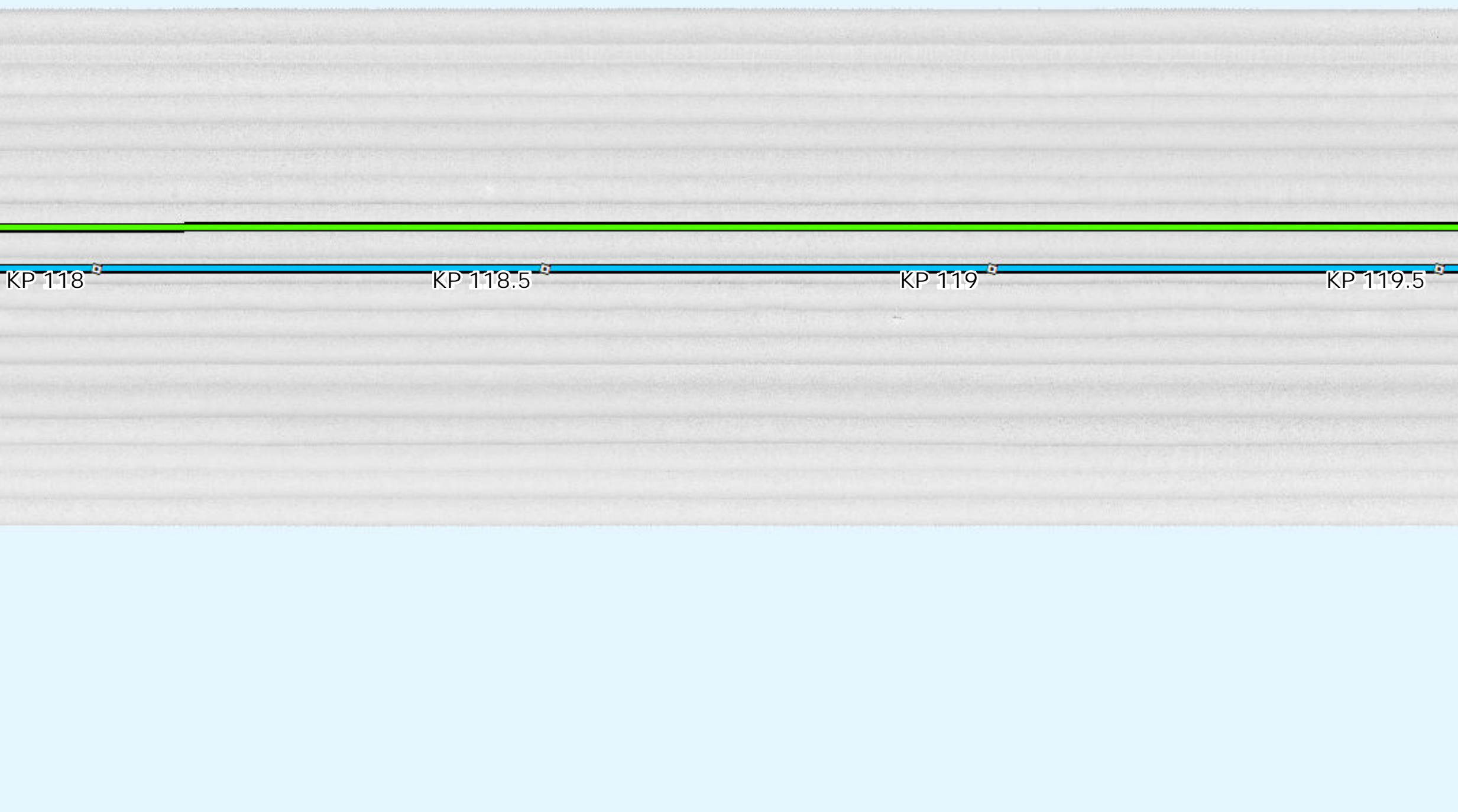
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



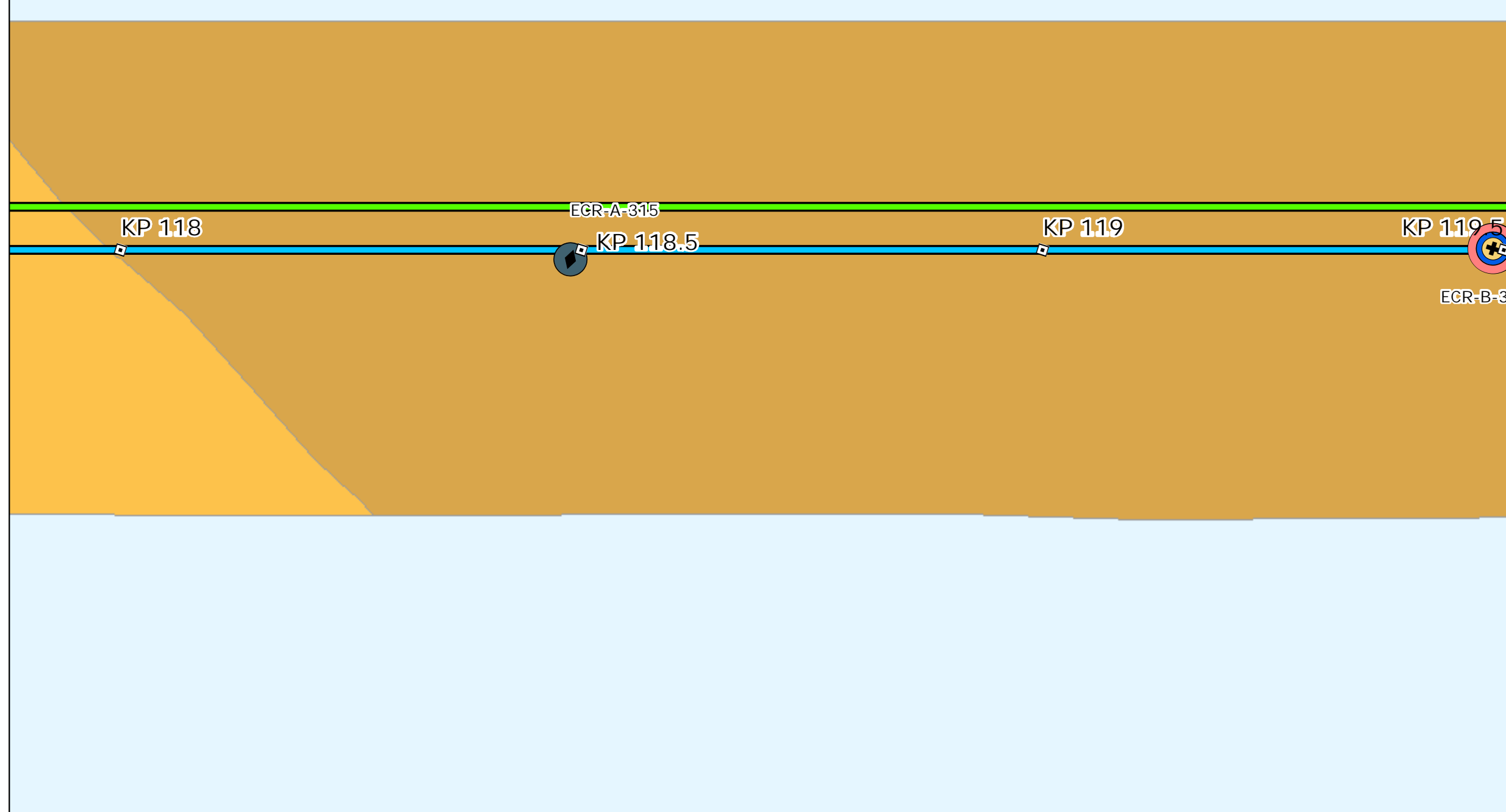
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

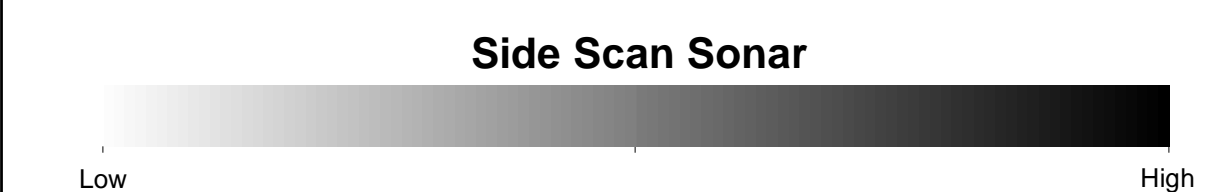
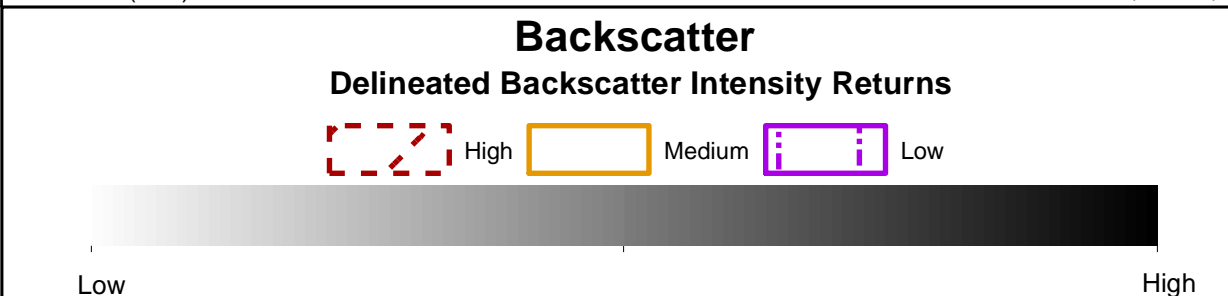
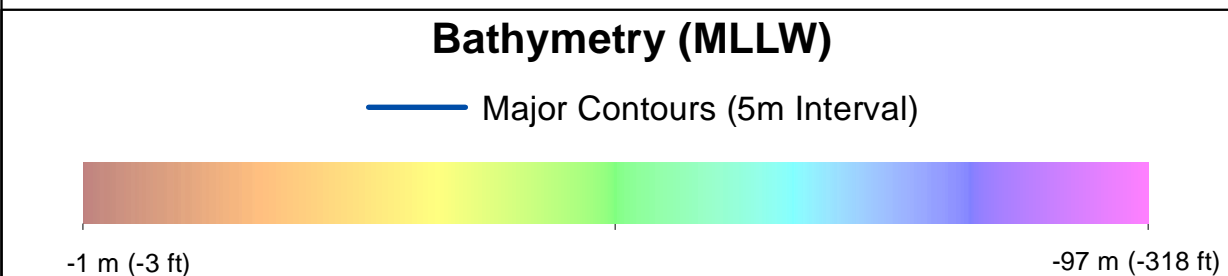
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

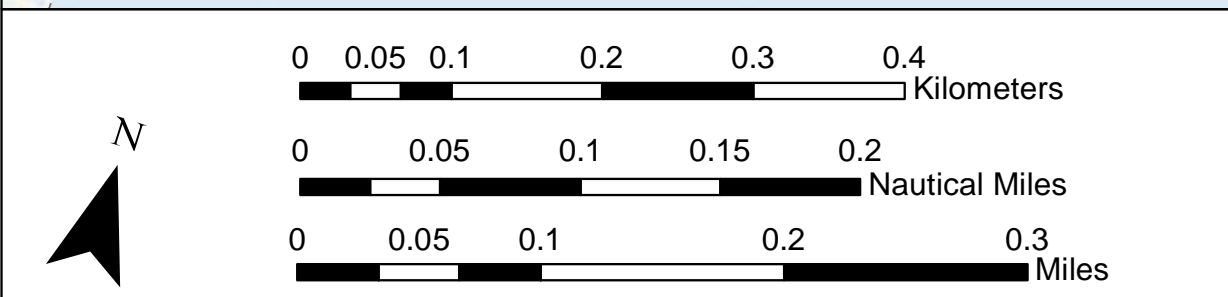
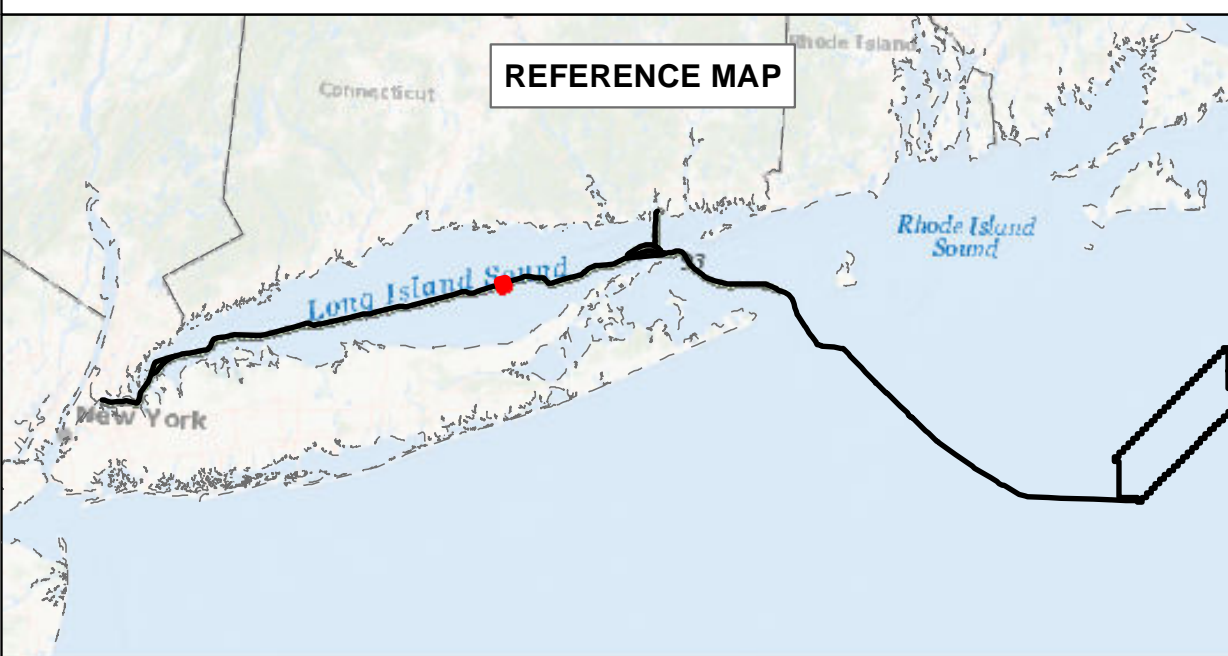


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
    - SPI/PV
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Muddy Sand
    - Sand
  - CMECS Geoform**
    - Burrows/Bioturbation
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Sand and Muddy
    - Sand/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

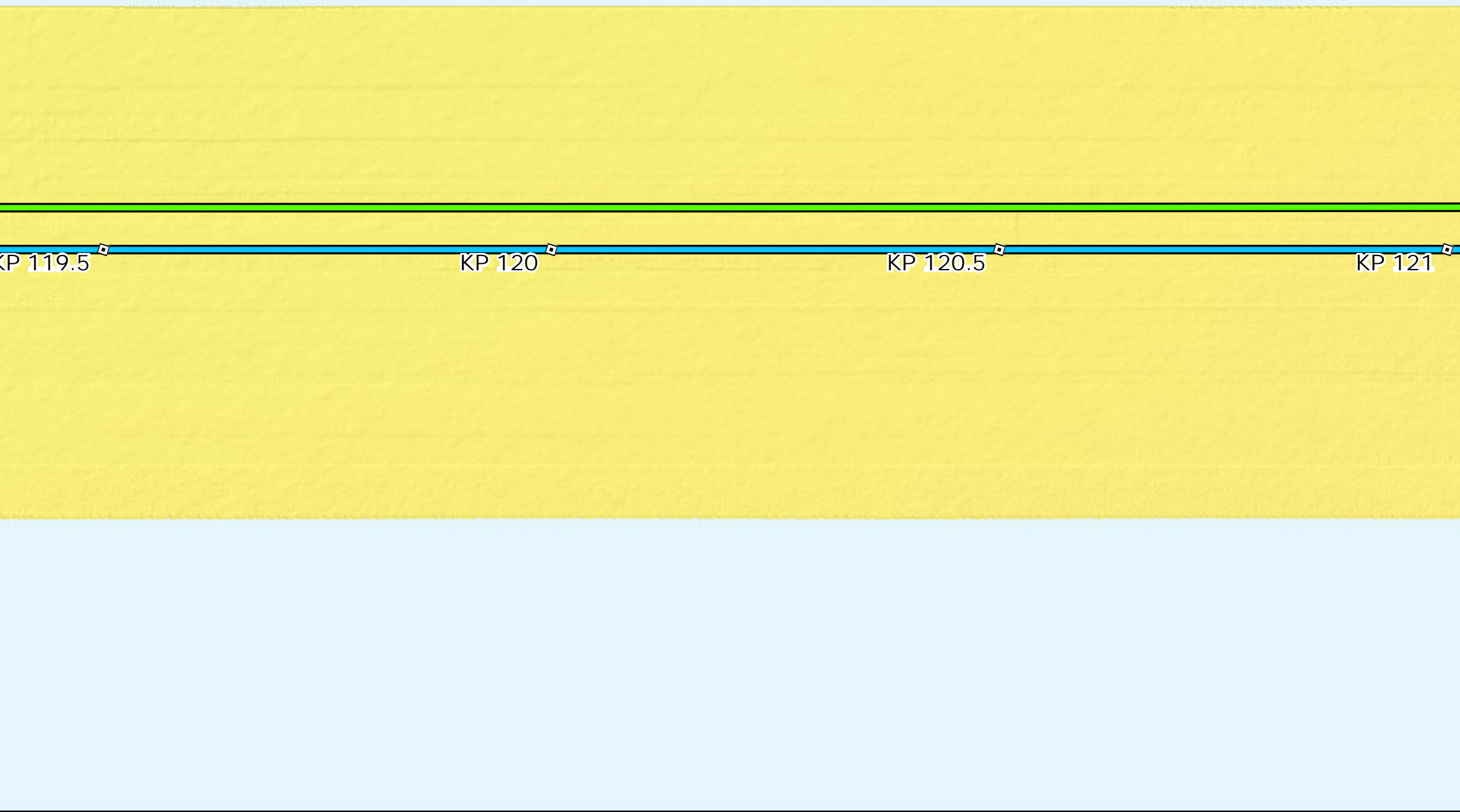
#### Tile 84

BW1 (NY) - KP 118 - KP 119.5  
 BW2 (NY) - KP 118 - KP 119.5  
 BW2 (CT) - N/A



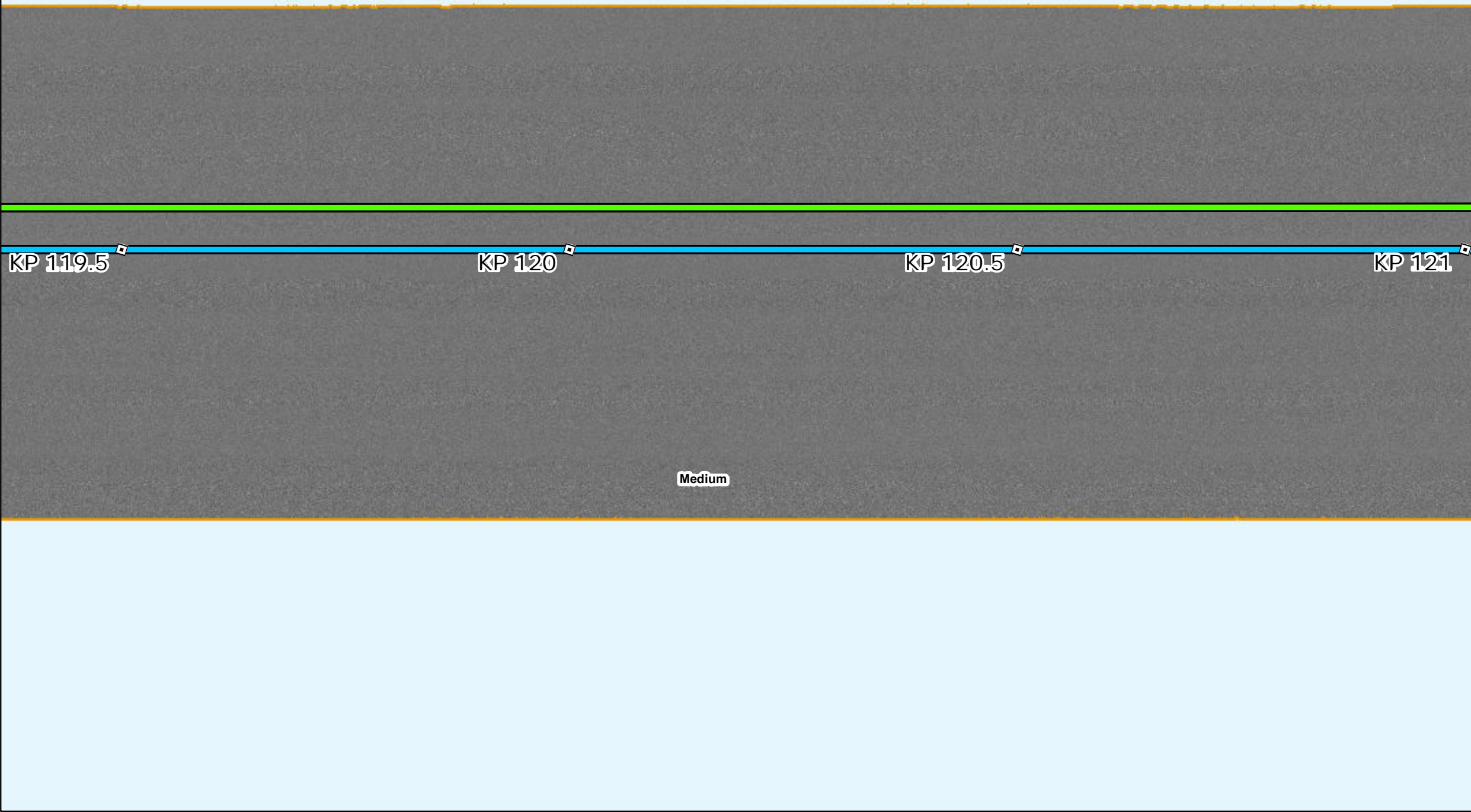
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



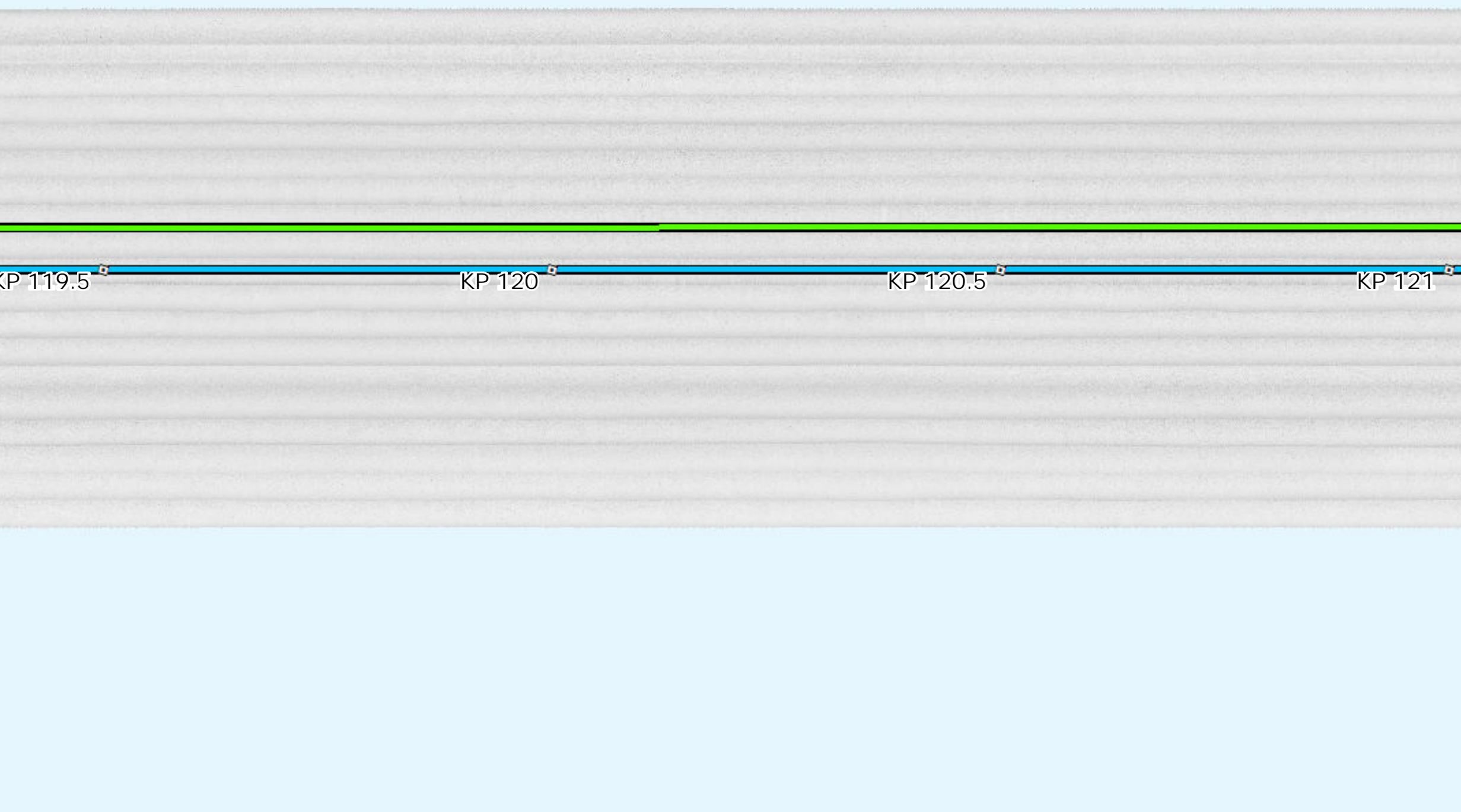
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



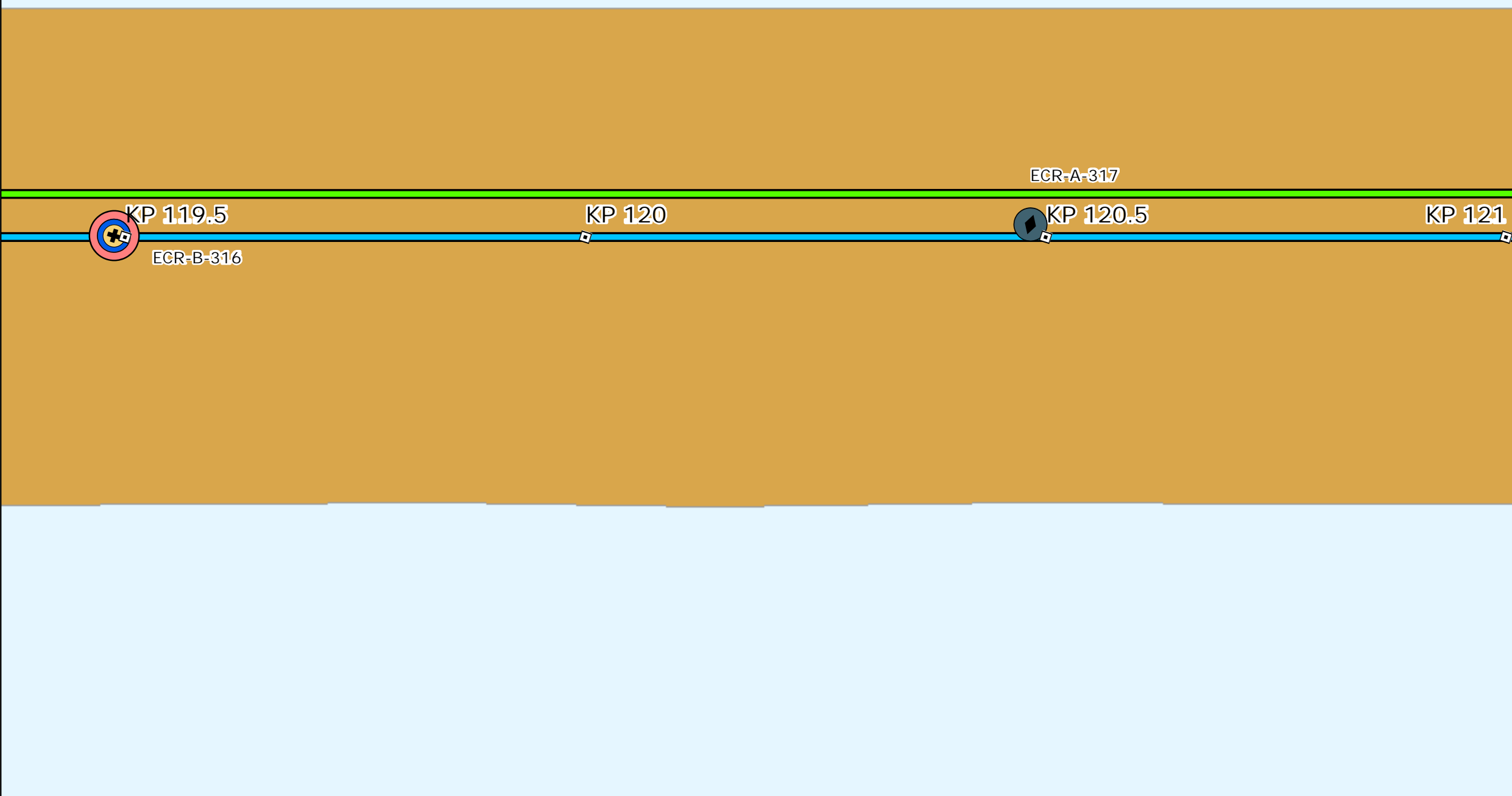
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

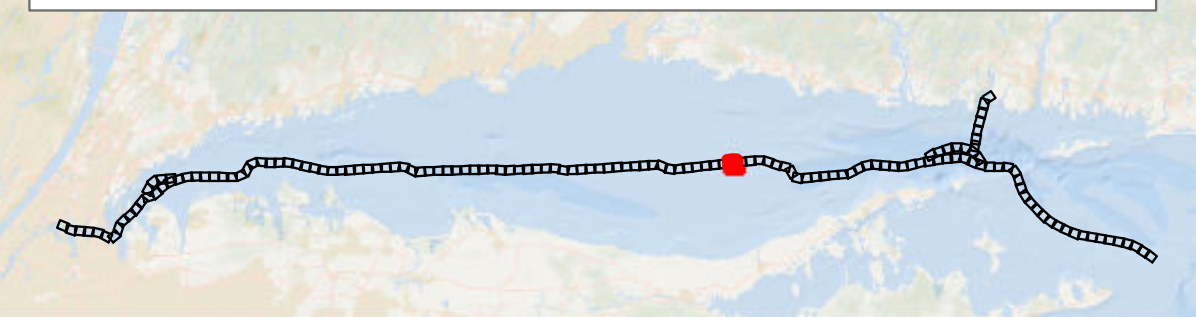


# Interpreted Seabed Sediment/NMFS Habitat Characterization

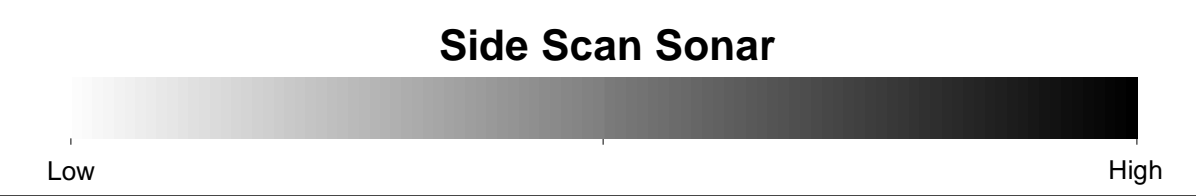
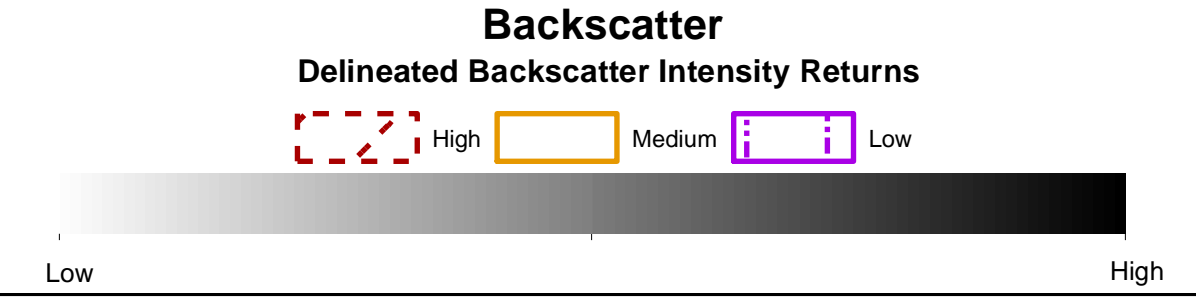
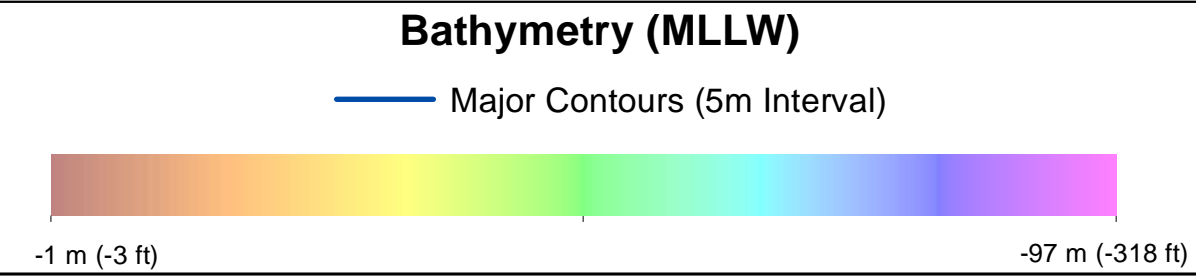
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

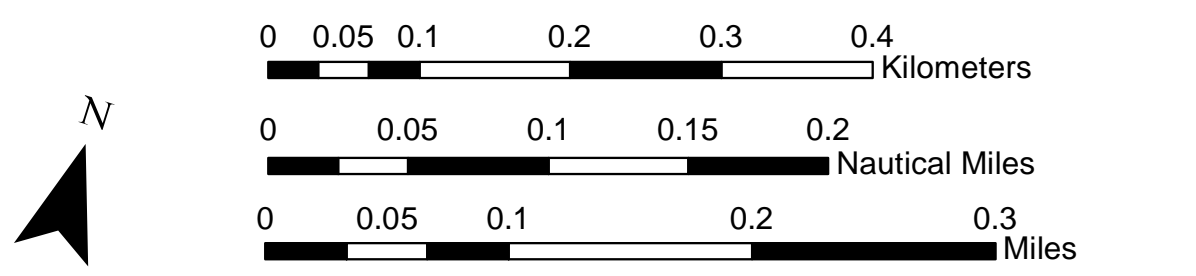
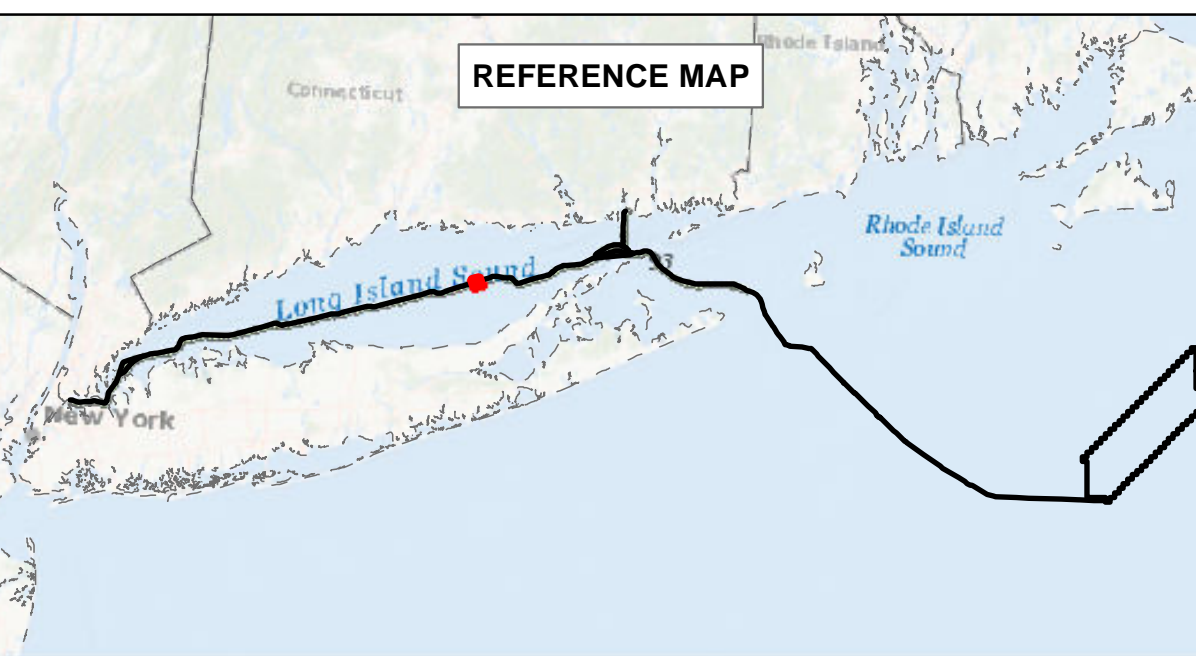


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Muddy Sand
  - Sand
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Sand and Muddy
  - Sand/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 85

BW1 (NY) - KP 119.5 - KP 121  
BW2 (NY) - KP 119.5 - KP 121  
BW2 (CT) - N/A



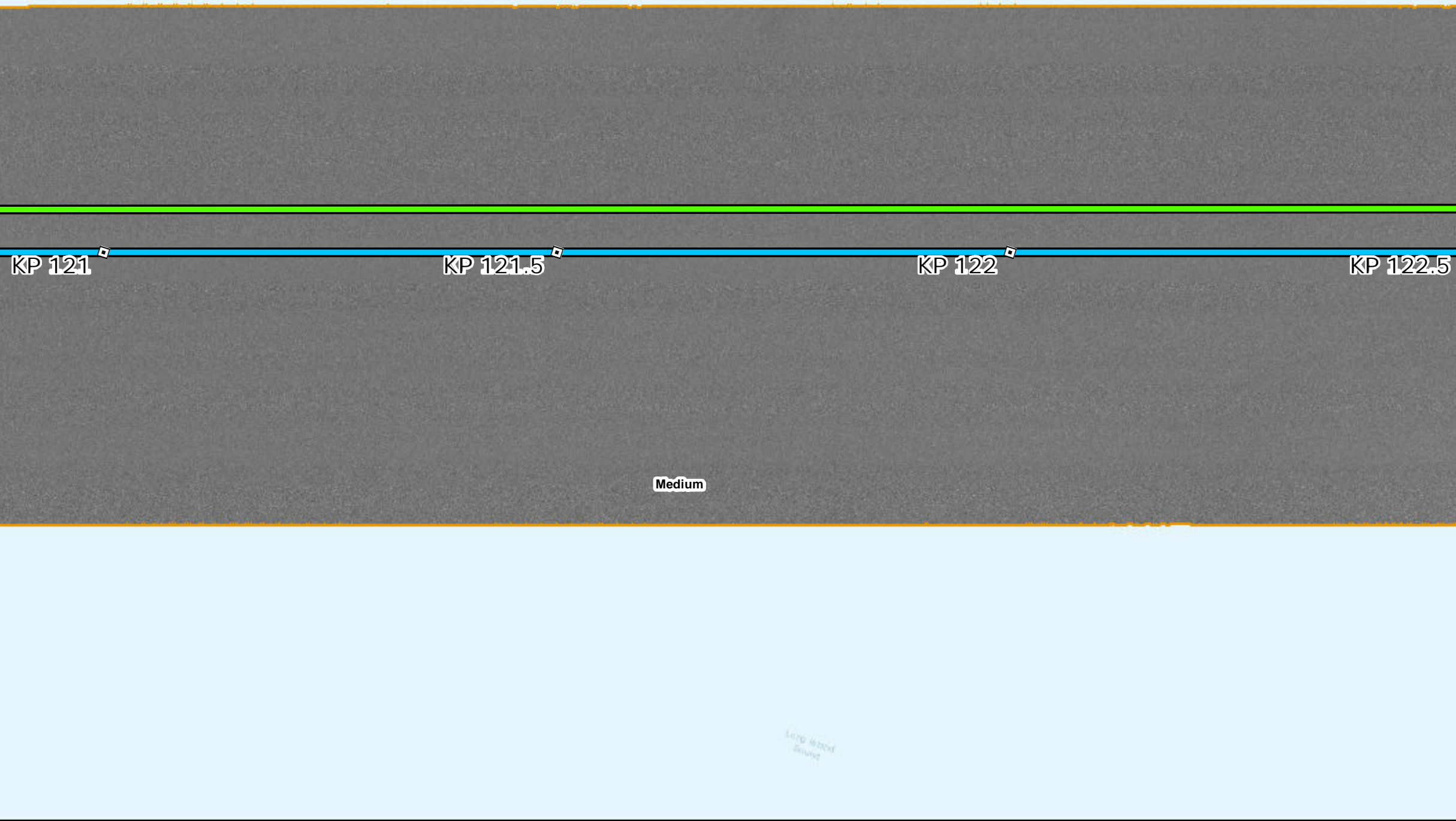
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



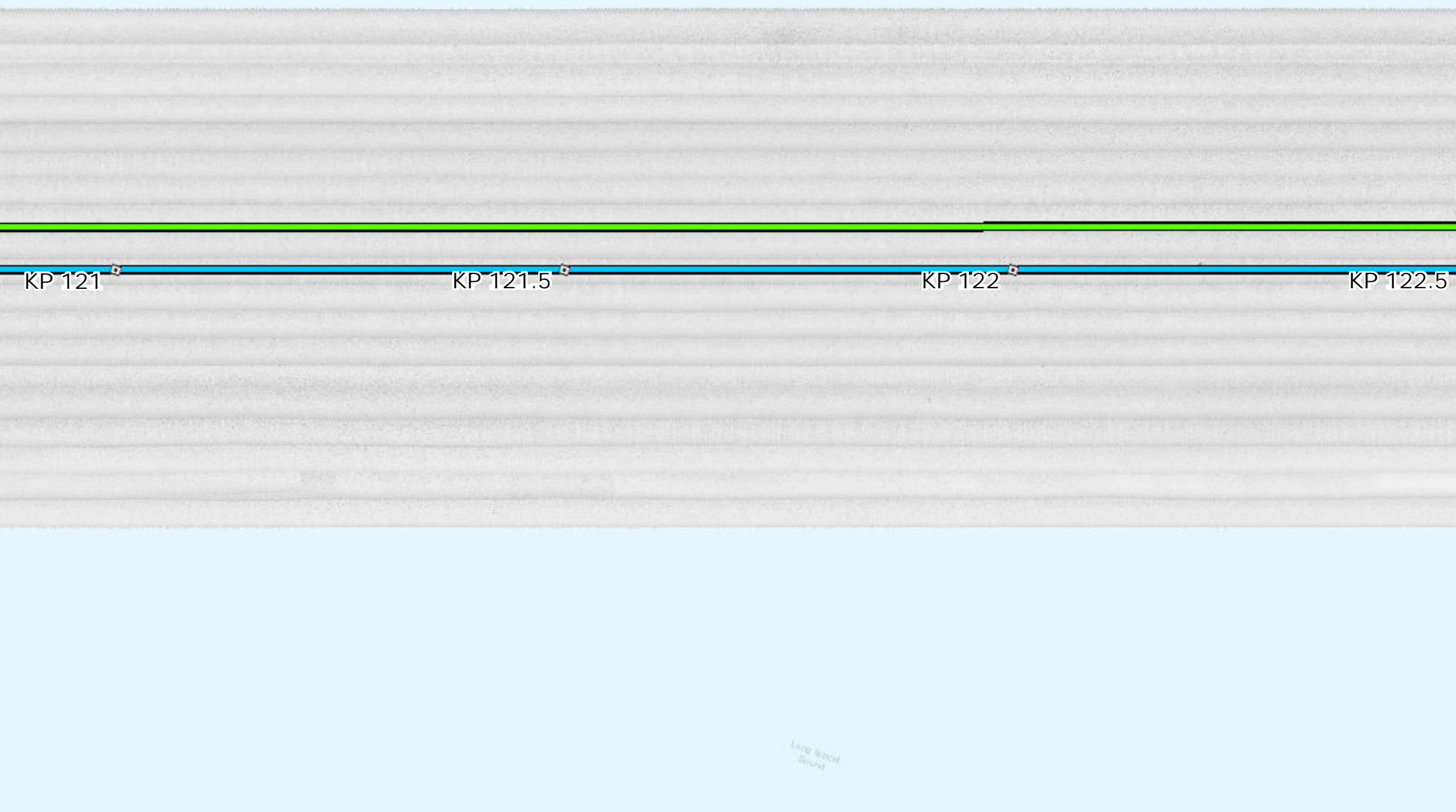
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



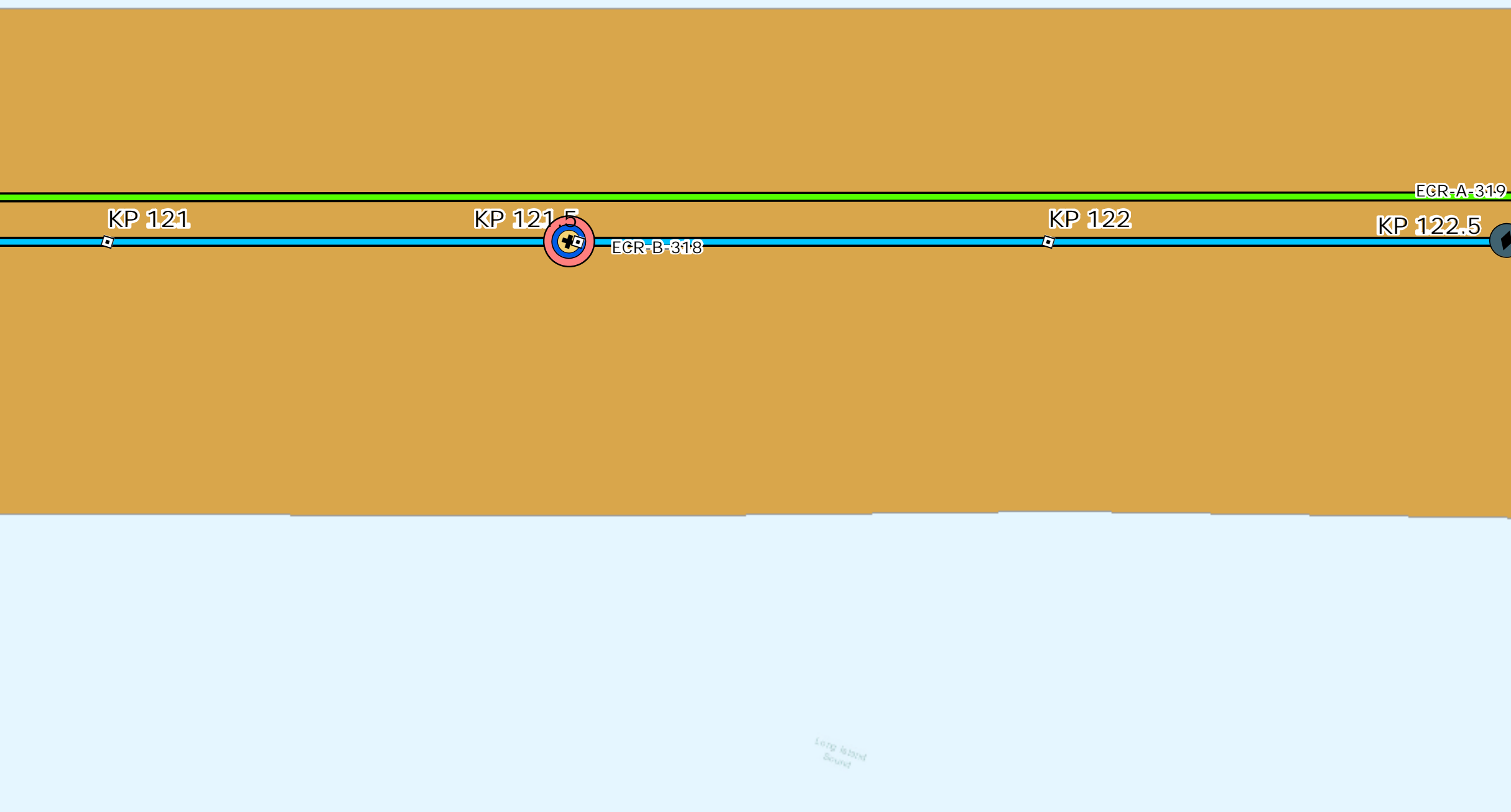
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

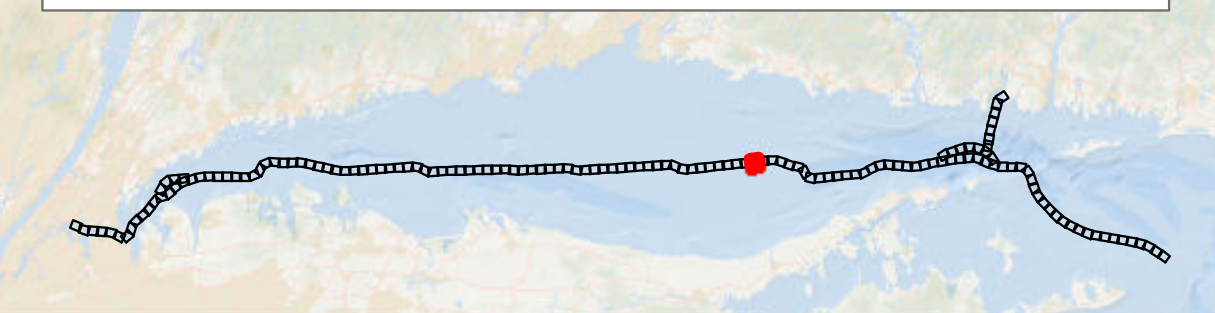


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

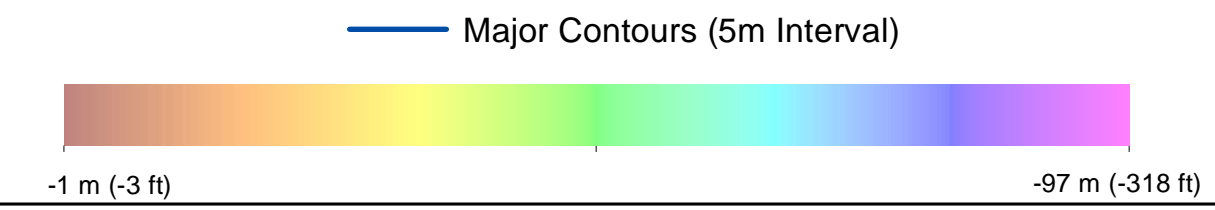


# Map Book Package for Submarine Export Cable Route in State Waters

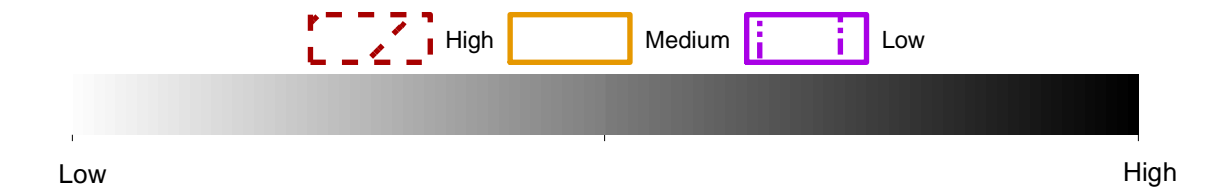


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter Delineated Backscatter Intensity Returns



## Side Scan Sonar

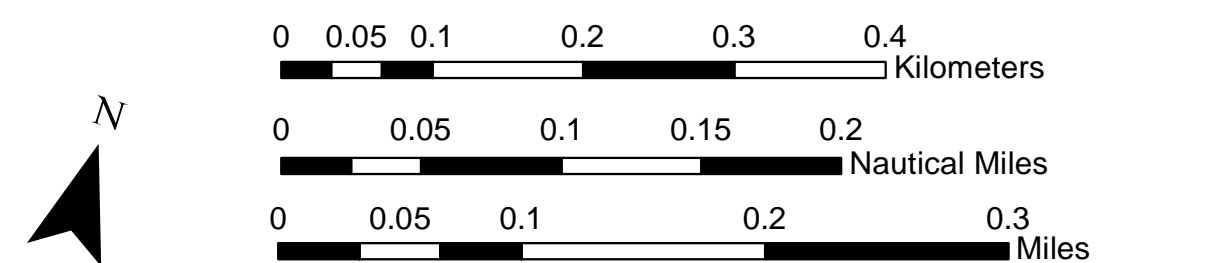
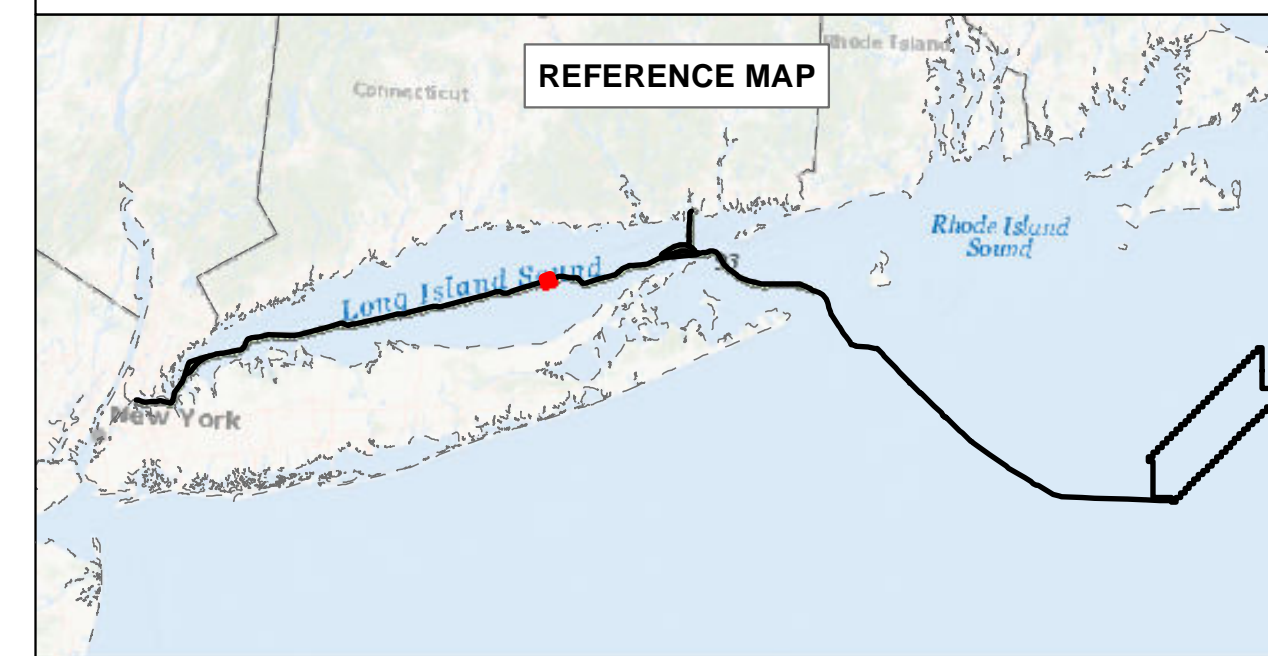


## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Muddy Sand
  - Sand
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Sand and Muddy
  - Sand/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

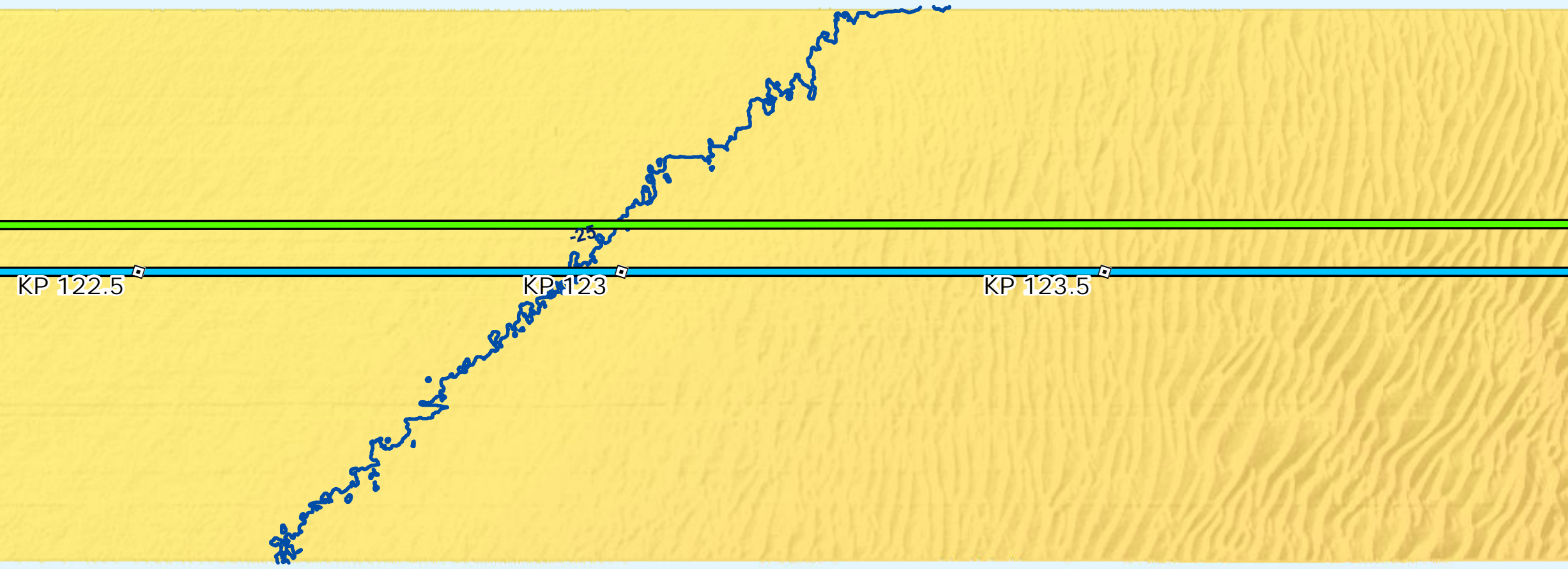
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 86

BW1 (NY) - KP 121 - KP 122.5  
BW2 (NY) - KP 121 - KP 122.5  
BW2 (CT) - N/A



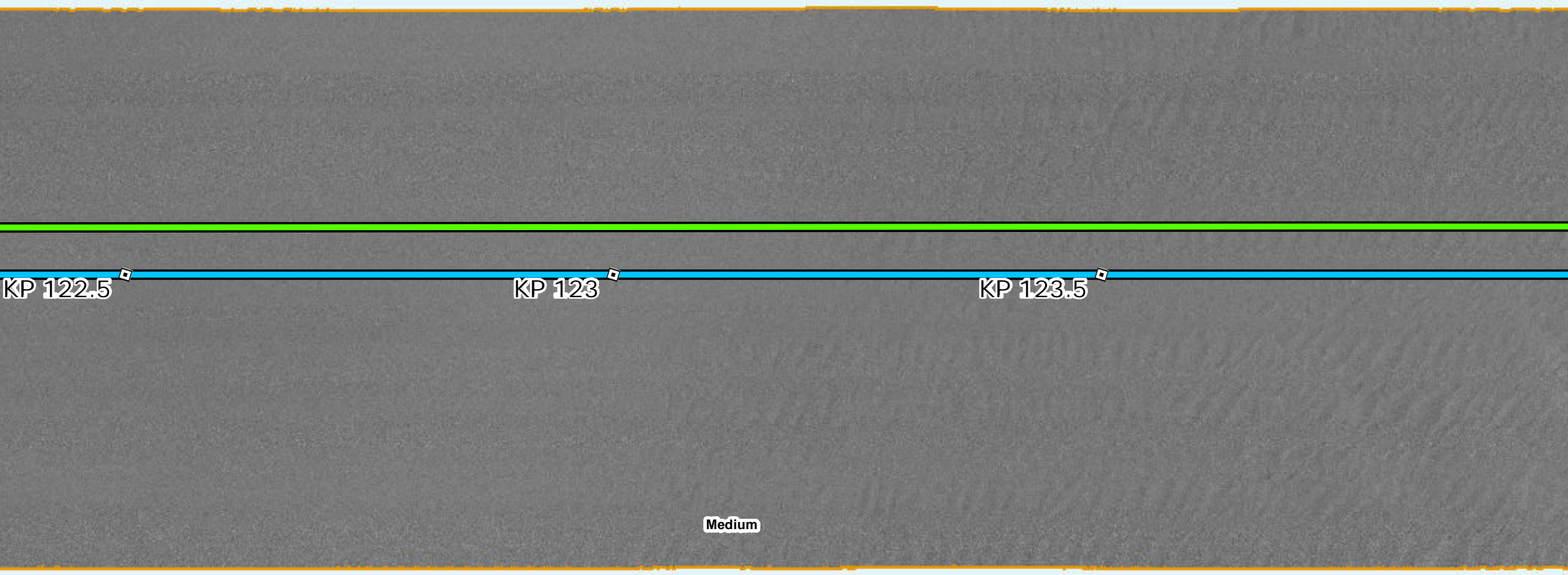
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



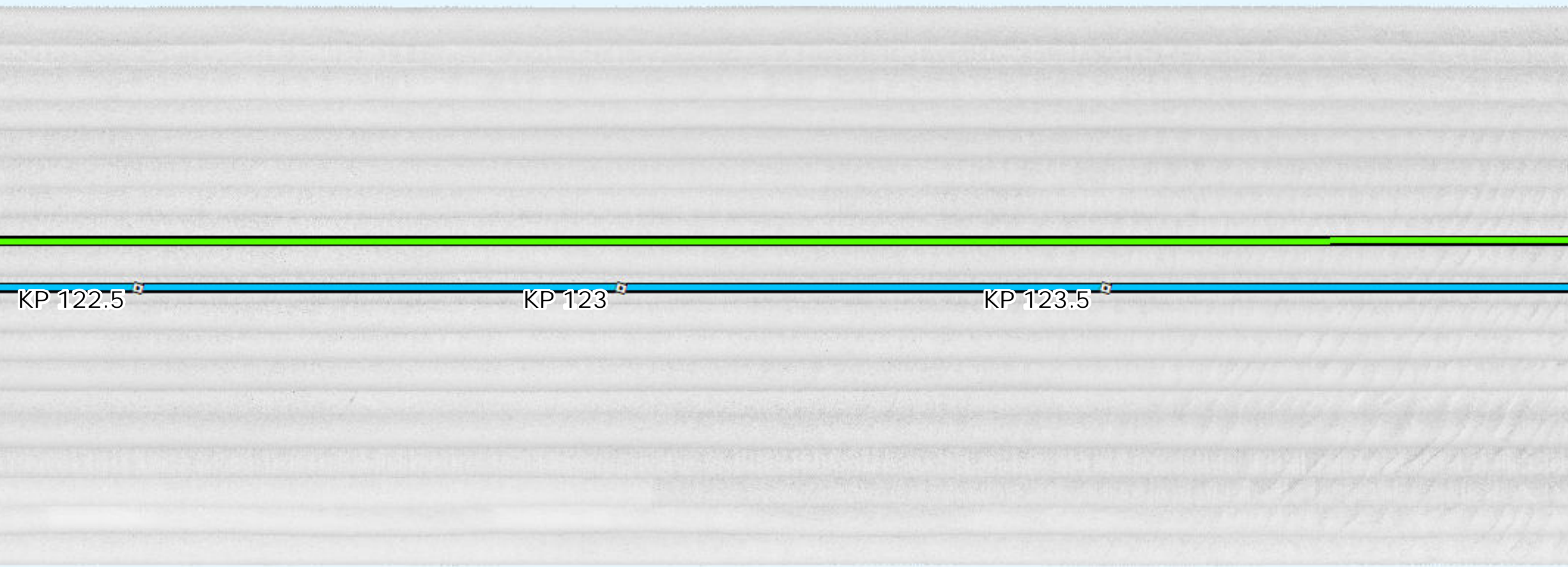
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



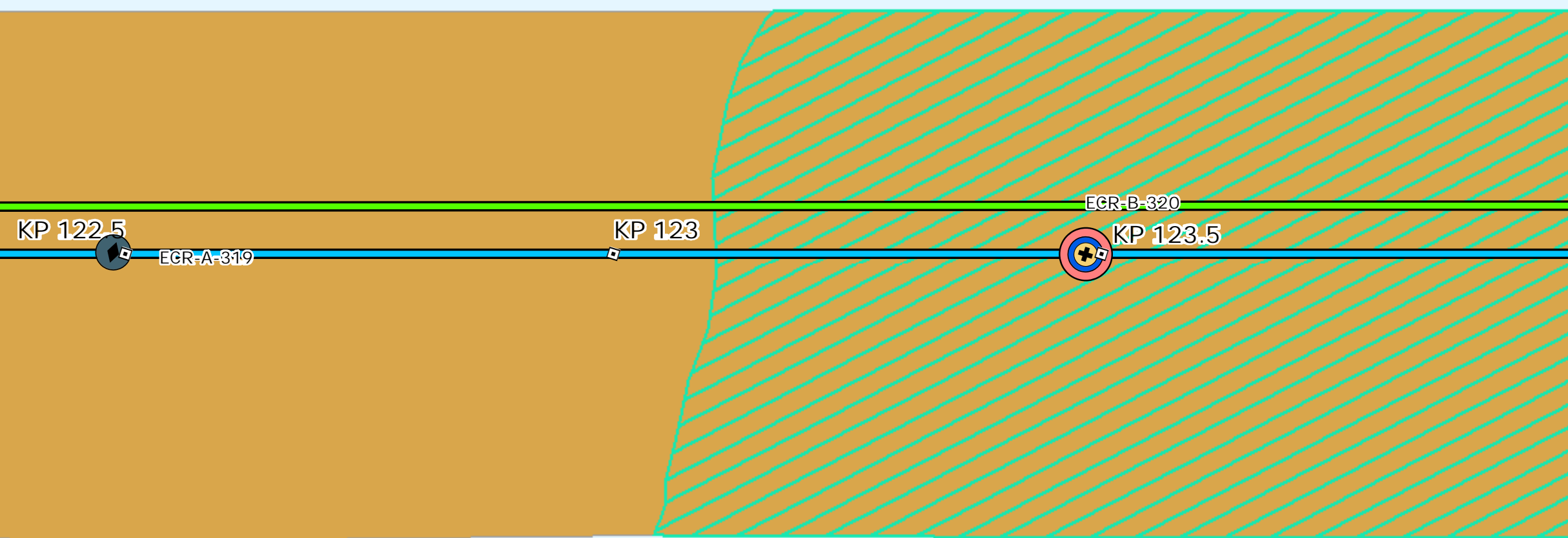
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

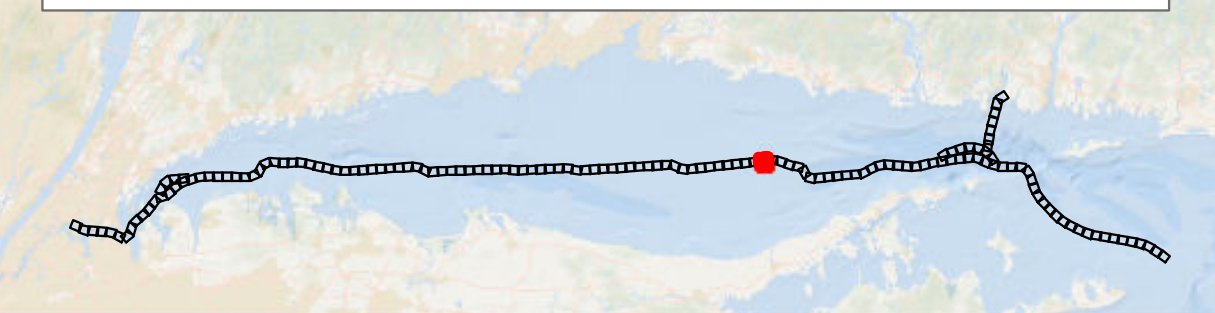


# Interpreted Seabed Sediment/NMFS Habitat Characterization

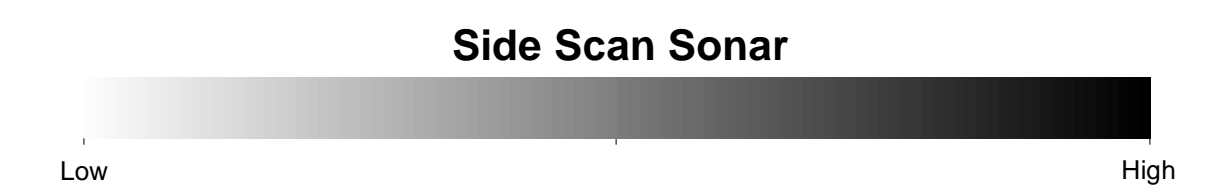
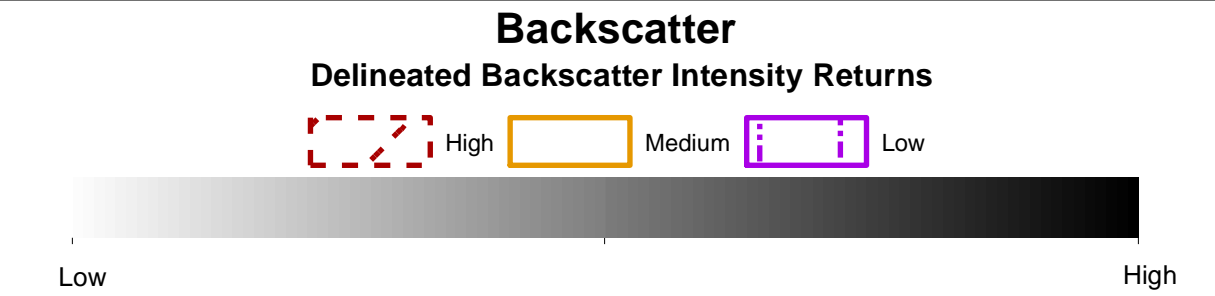
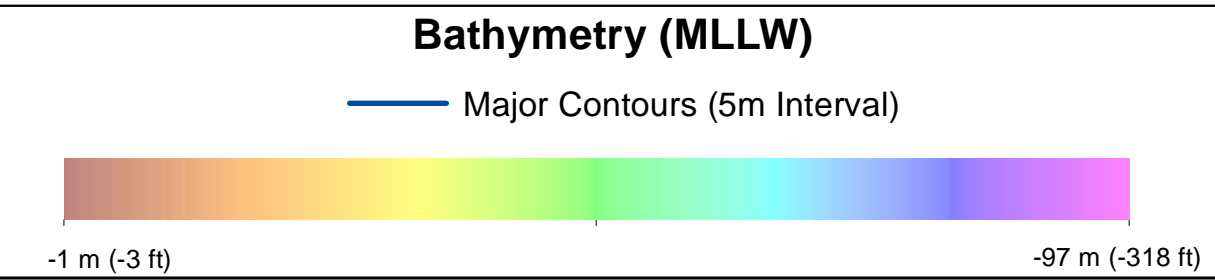
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



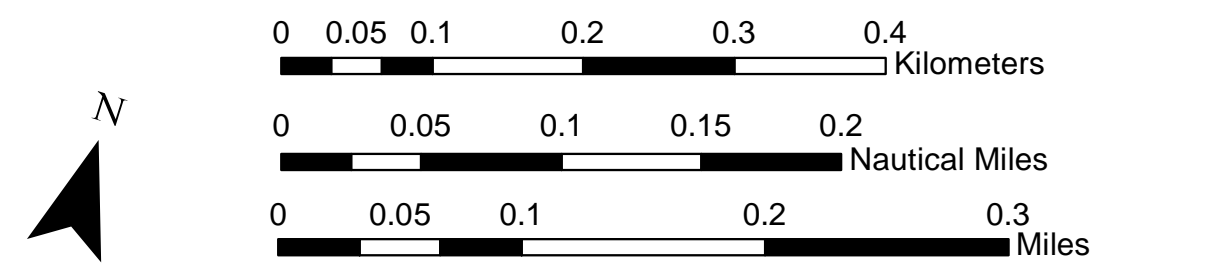
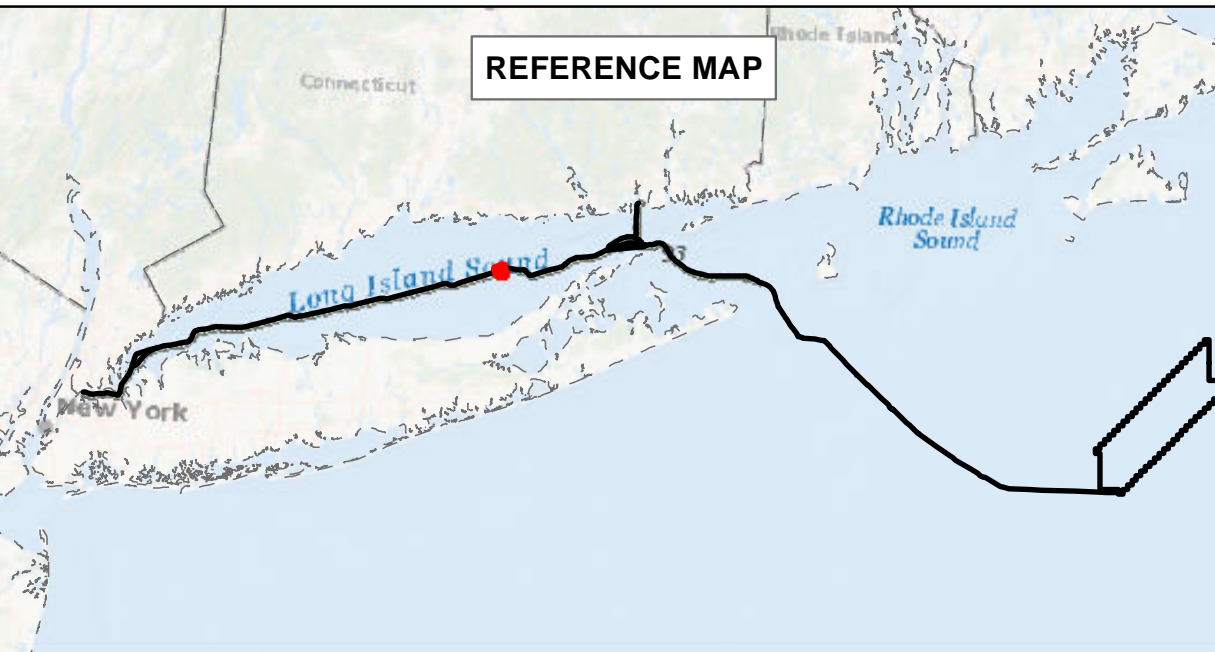
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ◆ SPI/PV                | ■ Muddy Sand   |
| <b>CMECS Biotic</b>     | ● Soft Sediment Fauna  |
| <b>CMECS Substrate</b>  | ● Muddy Sand   |
| ● Muddy Sand            | ● Sand   |
| ● Sand                  | <b>CMECS Geoform</b>   |
| <b>CMECS Geoform</b>    | ● Burrows/Bioturbation   |
| ● Burrows/Bioturbation  | <b>Benthic Features</b>  |
| <b>Benthic Features</b> | ☑ Megaripples  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 87

BW1 (NY) - KP 122.5 - KP 123.5  
BW2 (NY) - KP 122.5 - KP 123.5  
BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



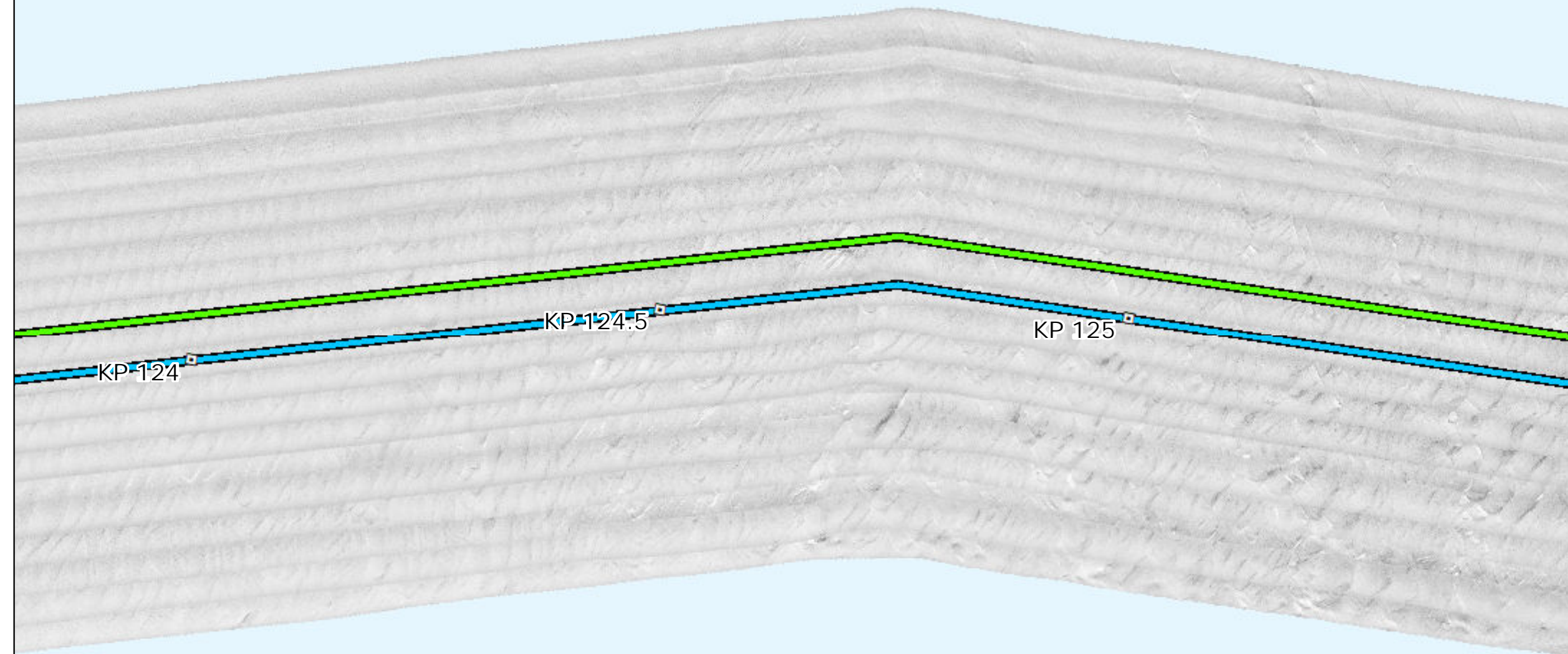
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



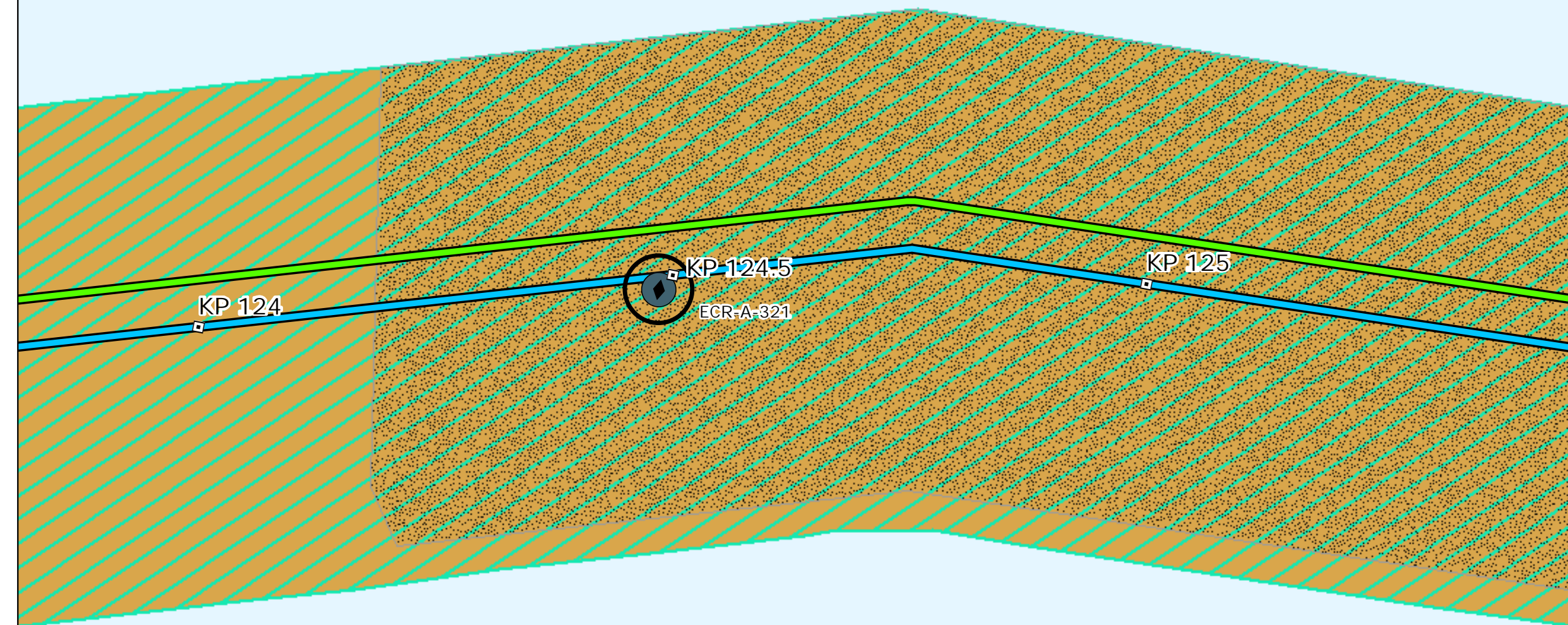
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

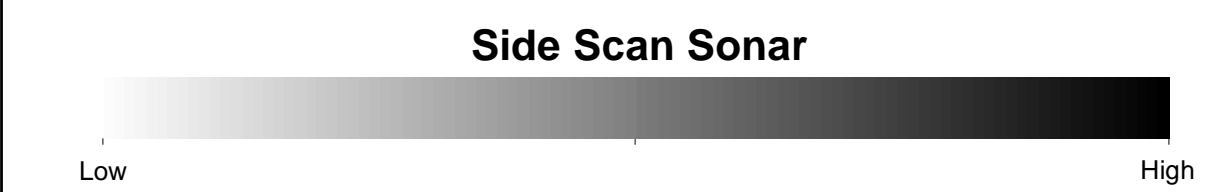
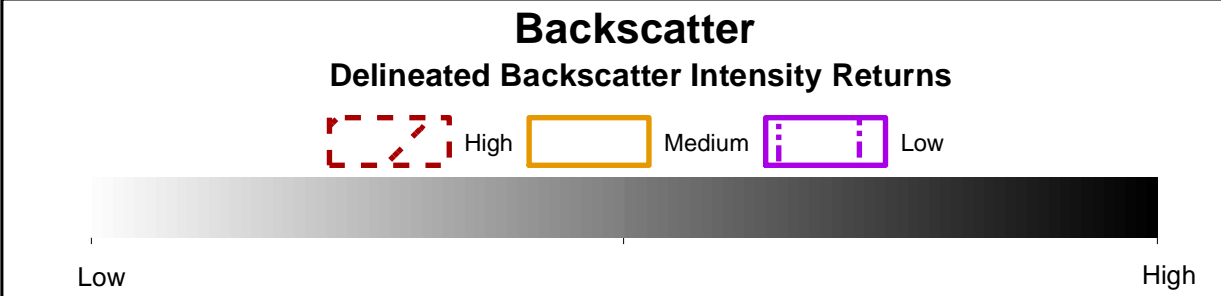
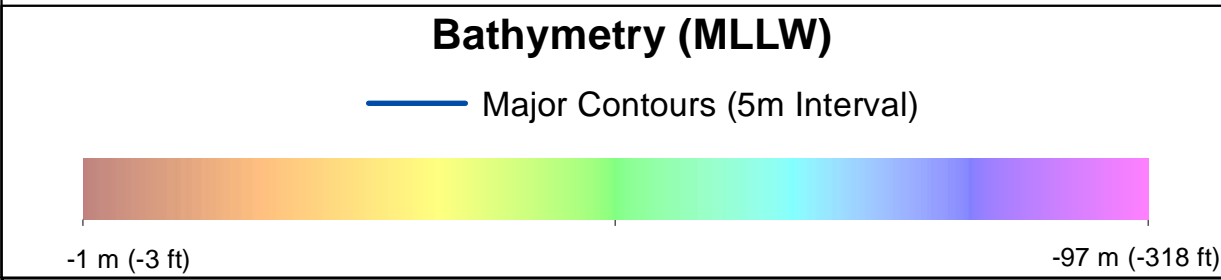
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters

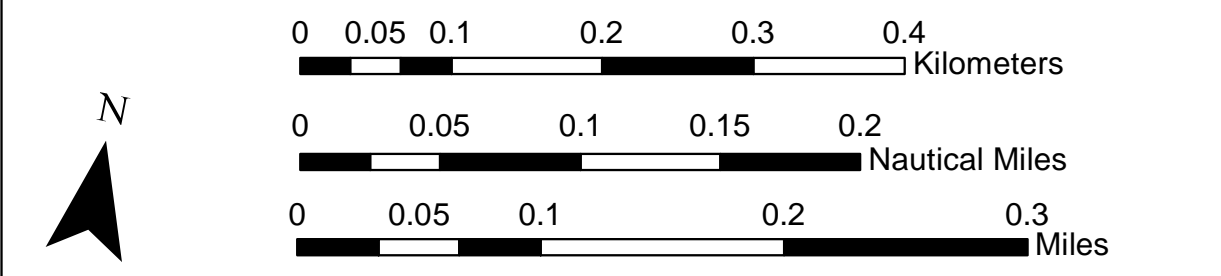
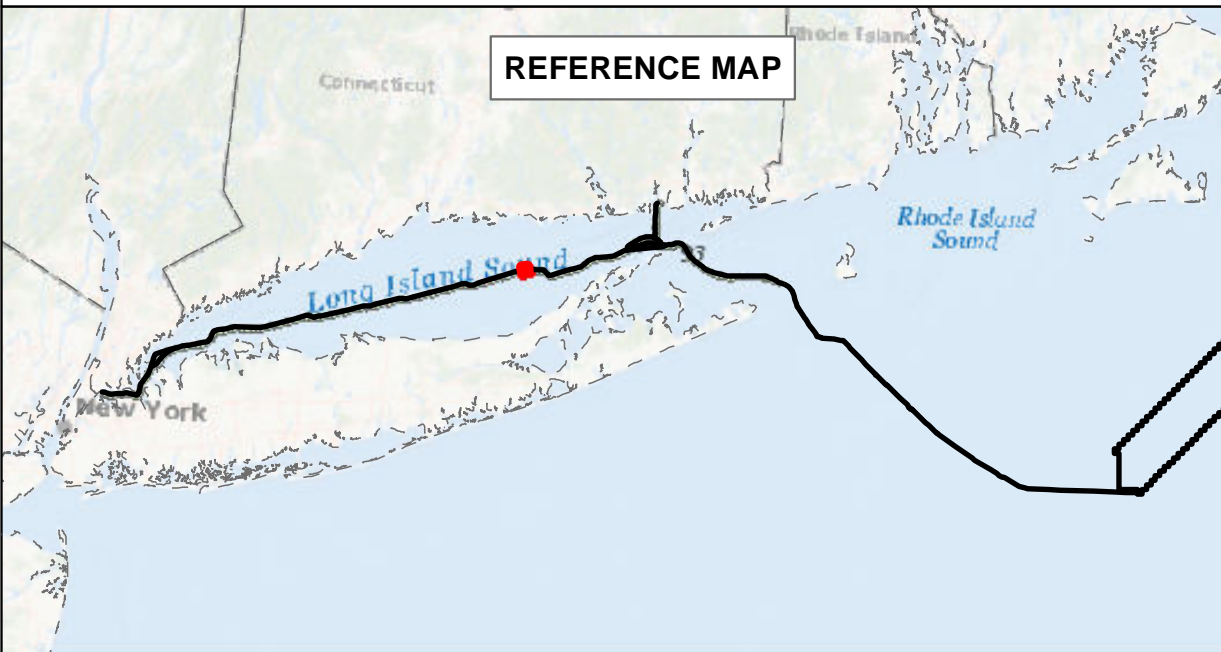


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- ◆ SPI/PV
  - Soft Sediment Fauna
  - Medium Sand
  - Sand
  - Burrows/Bioturbation
  - Northern Star Coral
  - Waves
  - Interpreted Seabed Sediment/NMFS Habitat Characterization
  - Sand and Muddy Sand/Soft Bottom Habitat
  - Megaripples
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

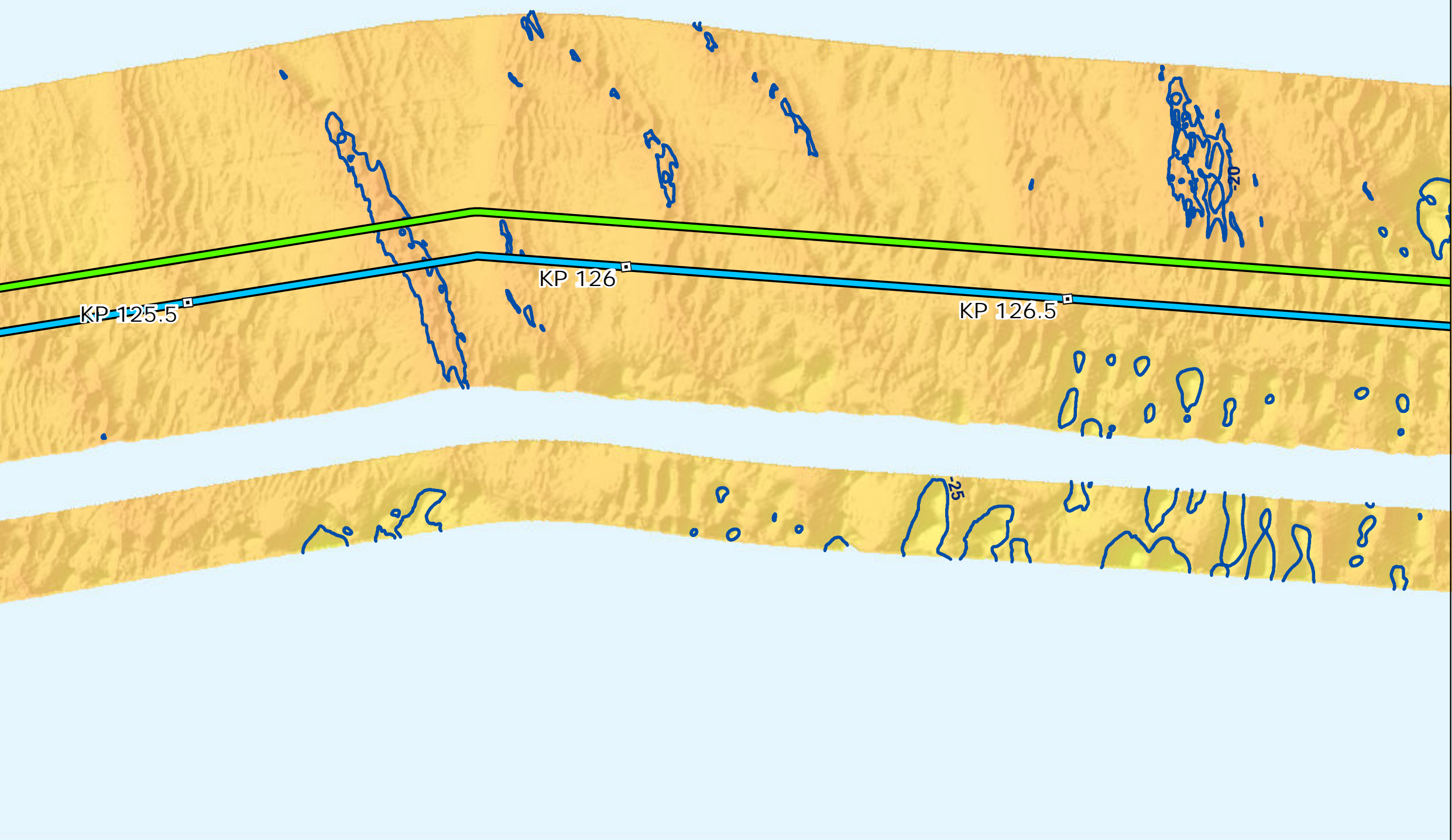
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 88

BW1 (NY) - KP 124 - KP 125  
BW2 (NY) - KP 124 - KP 125  
BW2 (CT) - N/A



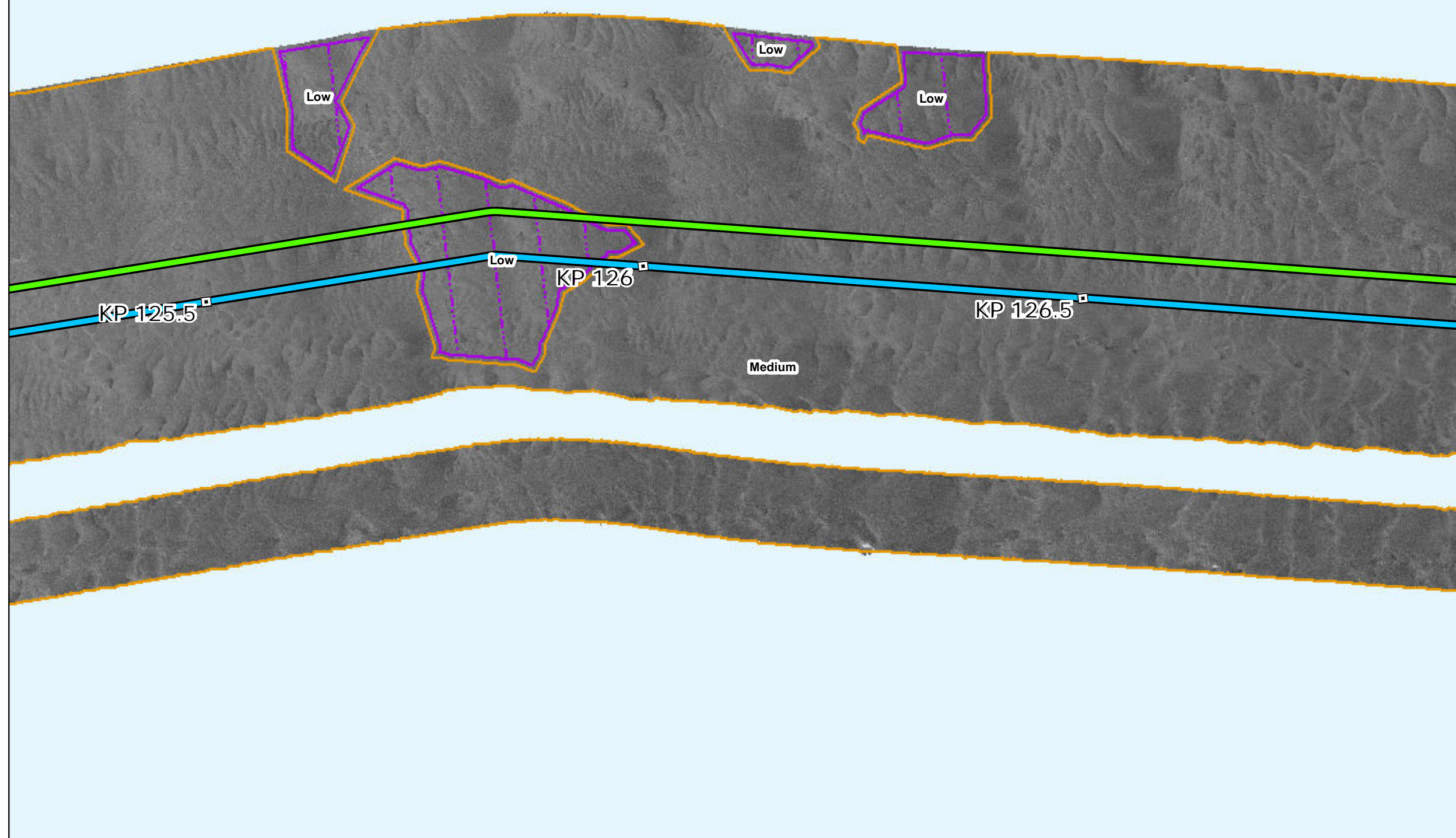
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



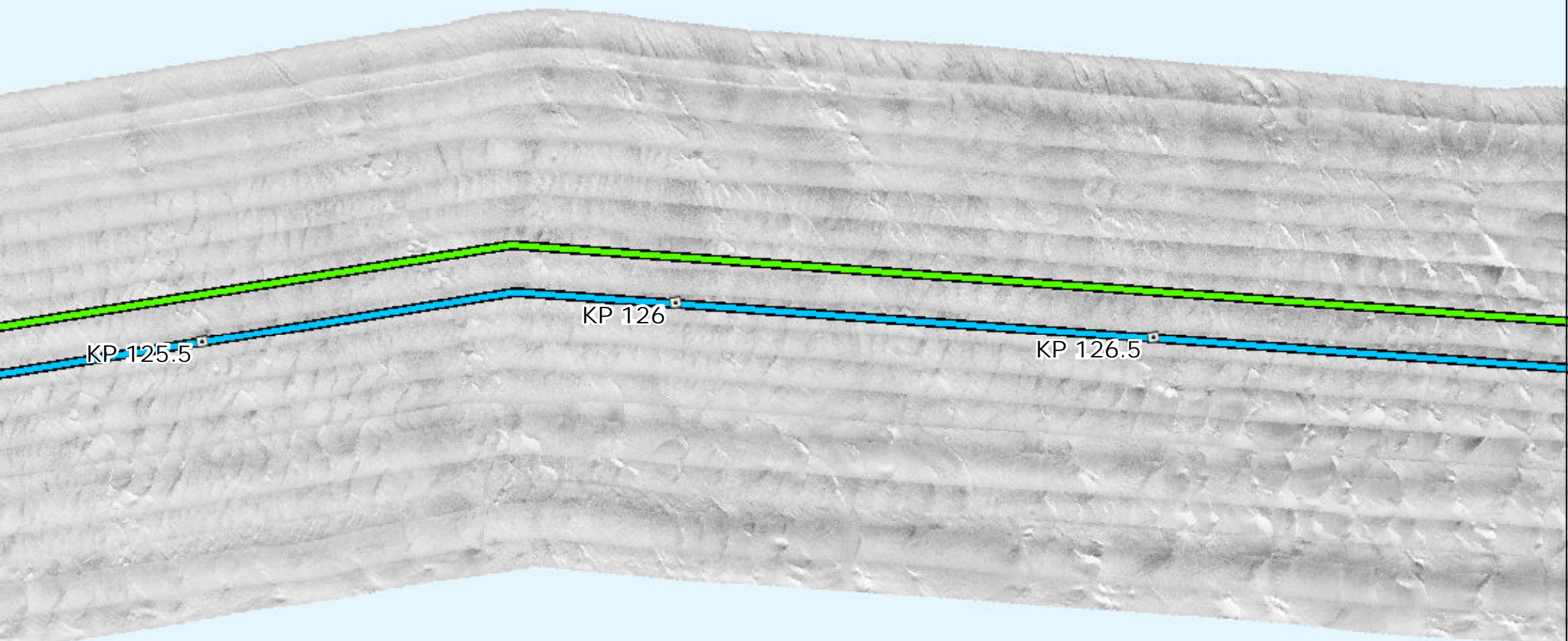
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



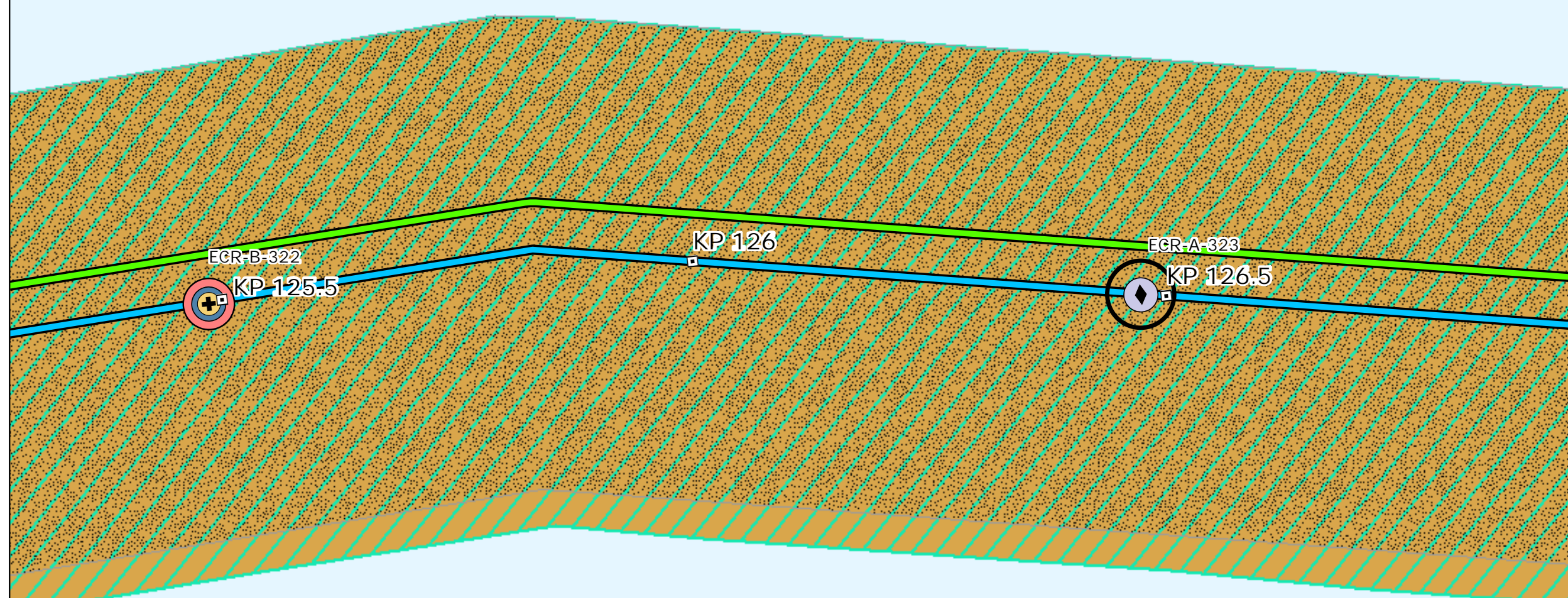
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/ NMFS Habitat Characterization

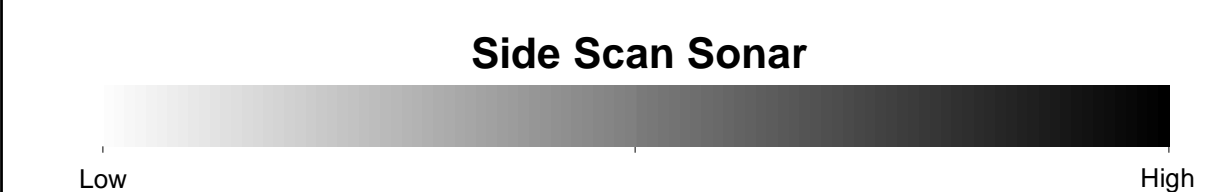
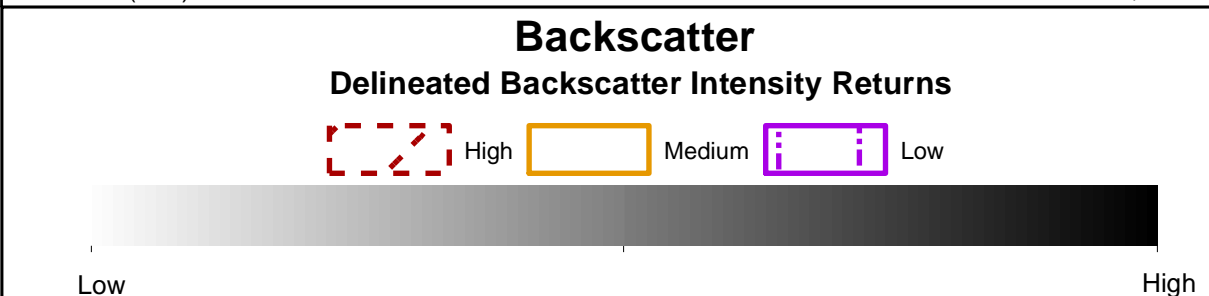
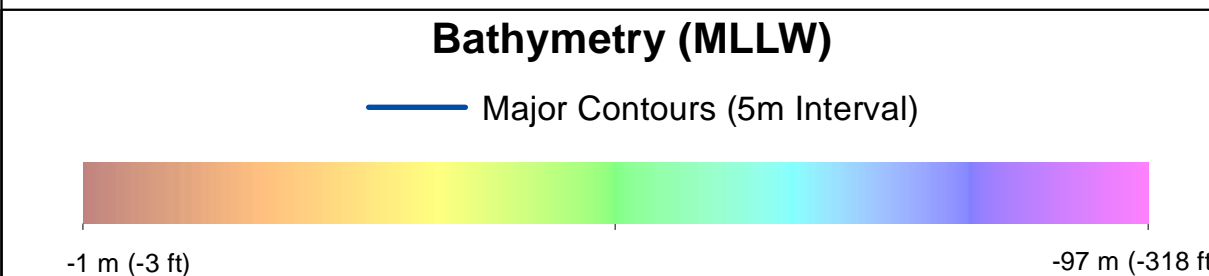
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



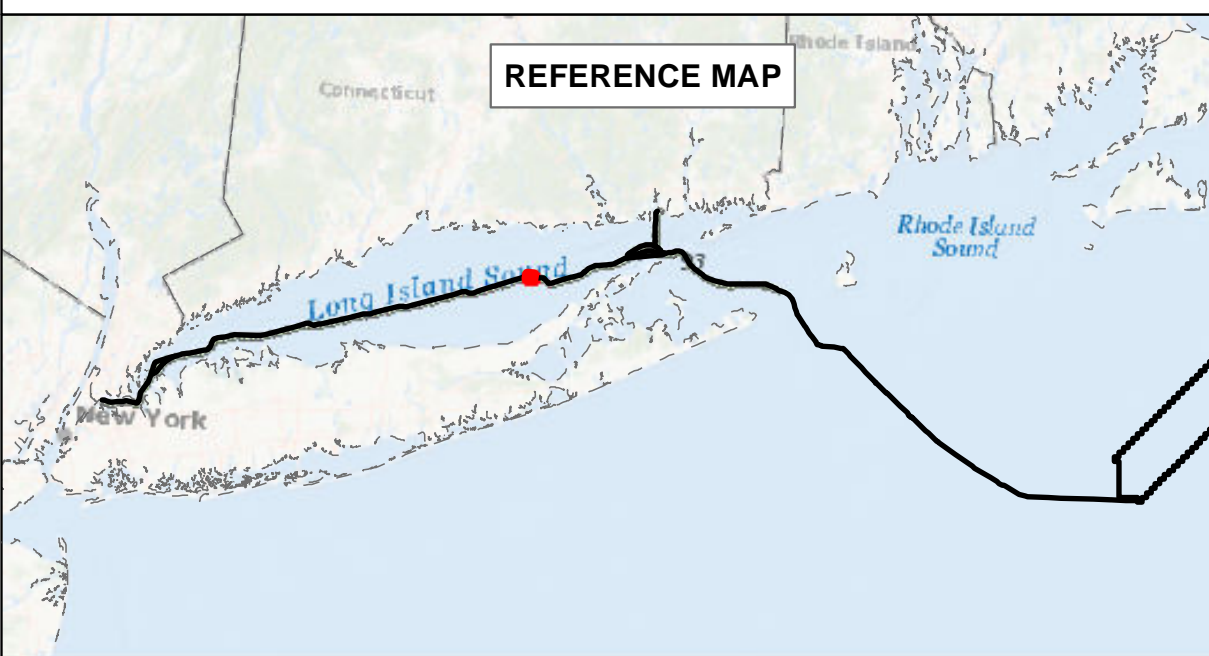
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |  |
|---|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br><b>CMECS Biotic</b><br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Medium Sand<br>● Shell Rubble<br><b>CMECS Geoform</b><br>● Burrows/Bioturbation<br>○ Northern Star Coral | <b>Benthic Features</b><br>□ Megaripples<br>□ Waves<br><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>■ Sand and Muddy Sand/Soft Bottom Habitat |
|---|--|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

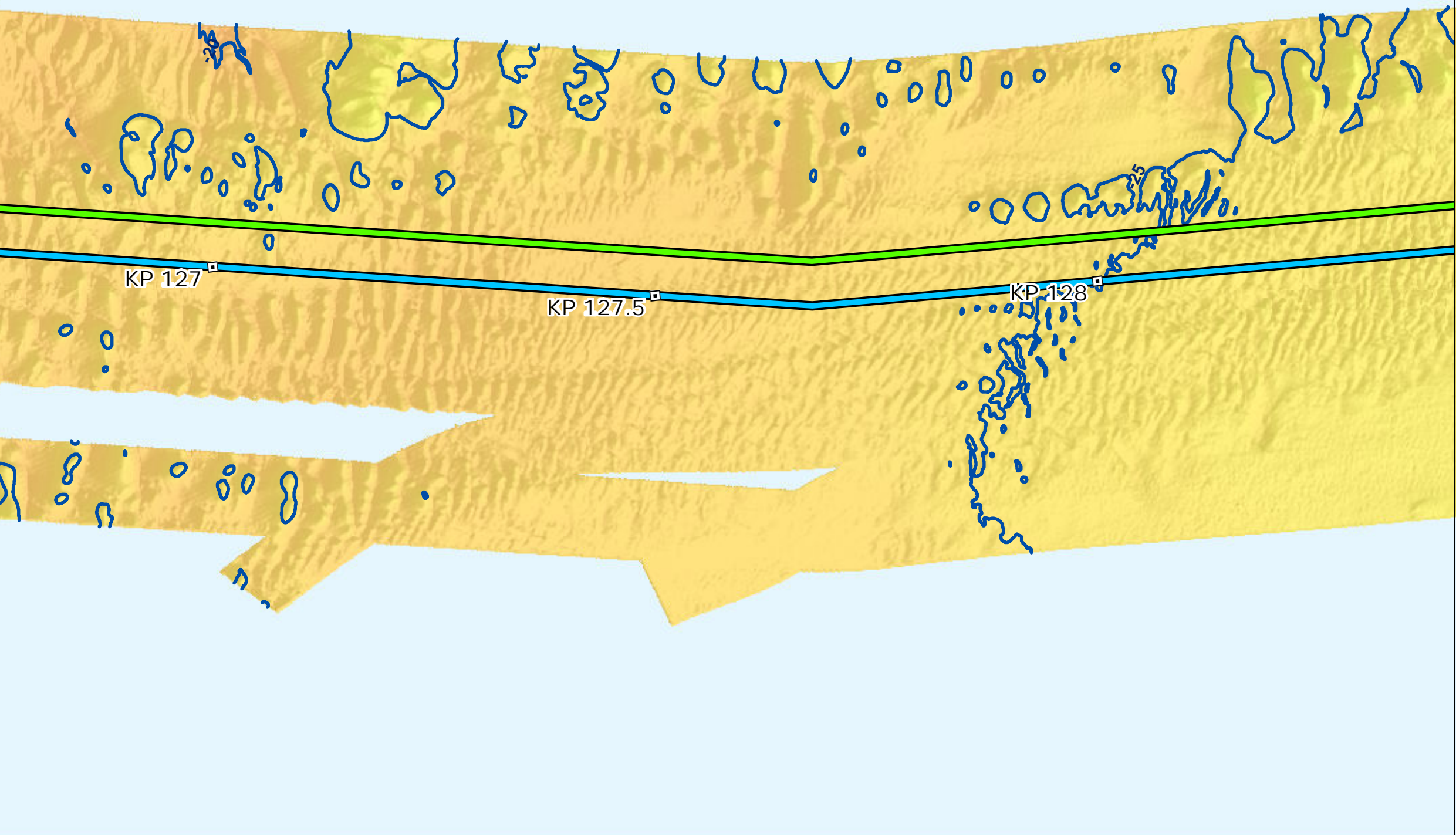
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 89

BW1 (NY) - KP 125.5 - KP 126.5  
 BW2 (NY) - KP 125.5 - KP 126.5  
 BW2 (CT) - N/A



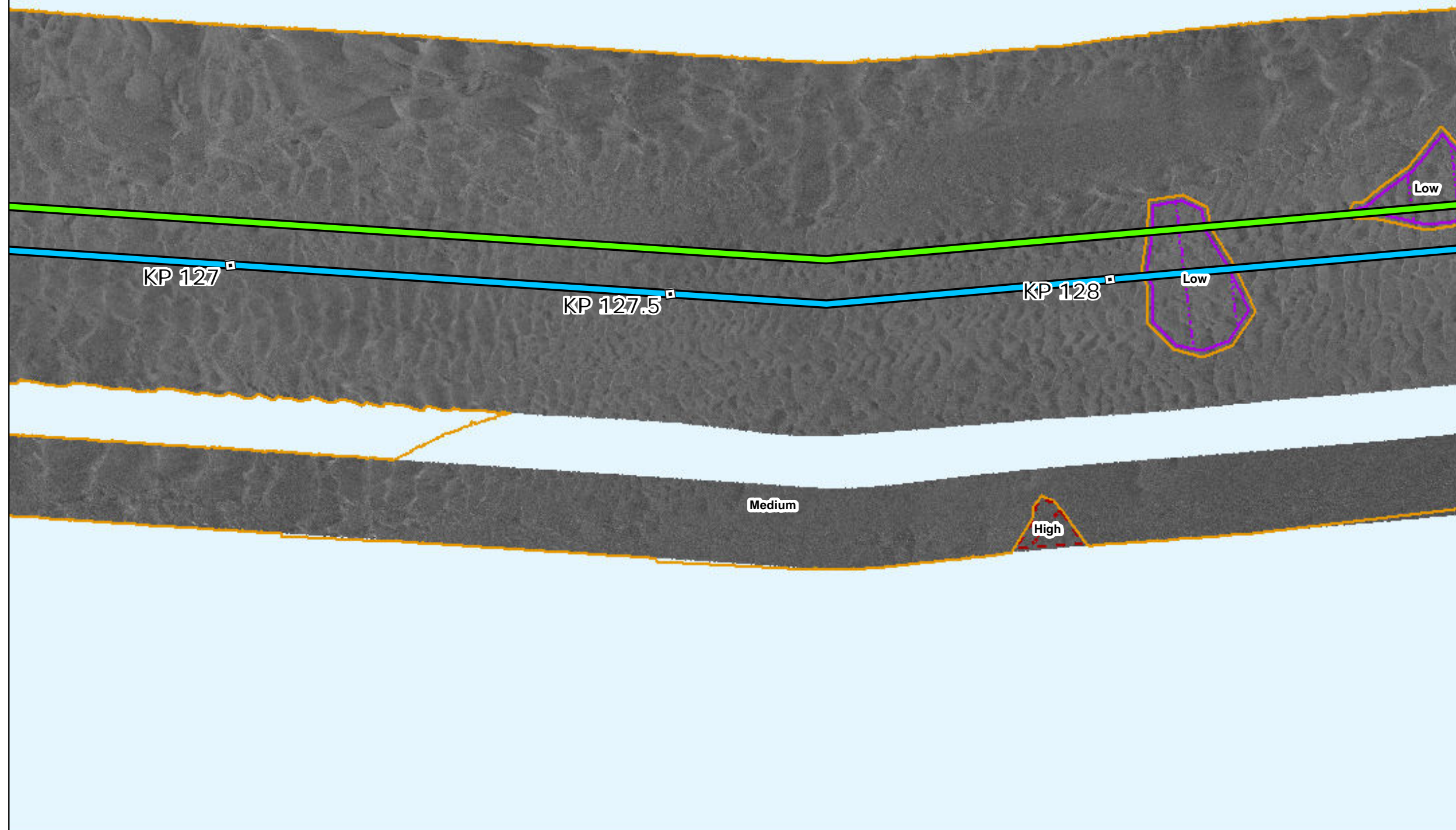
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



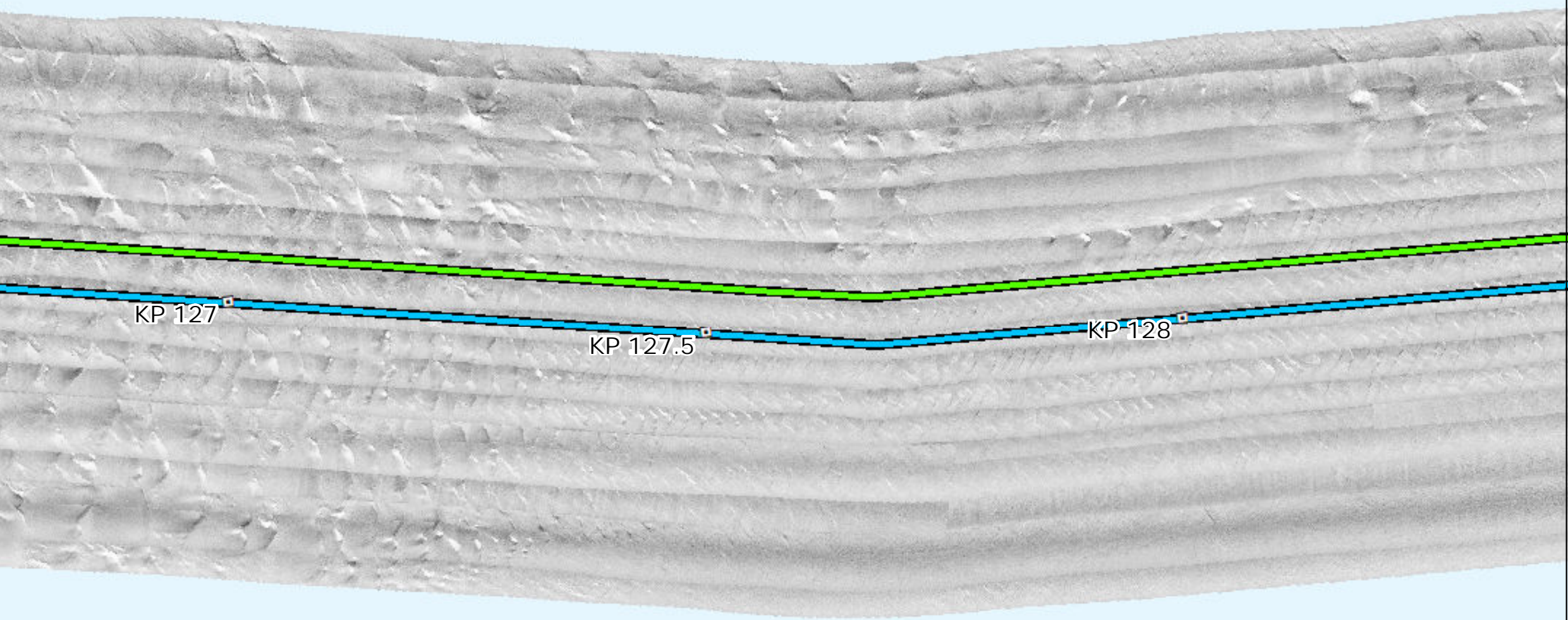
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



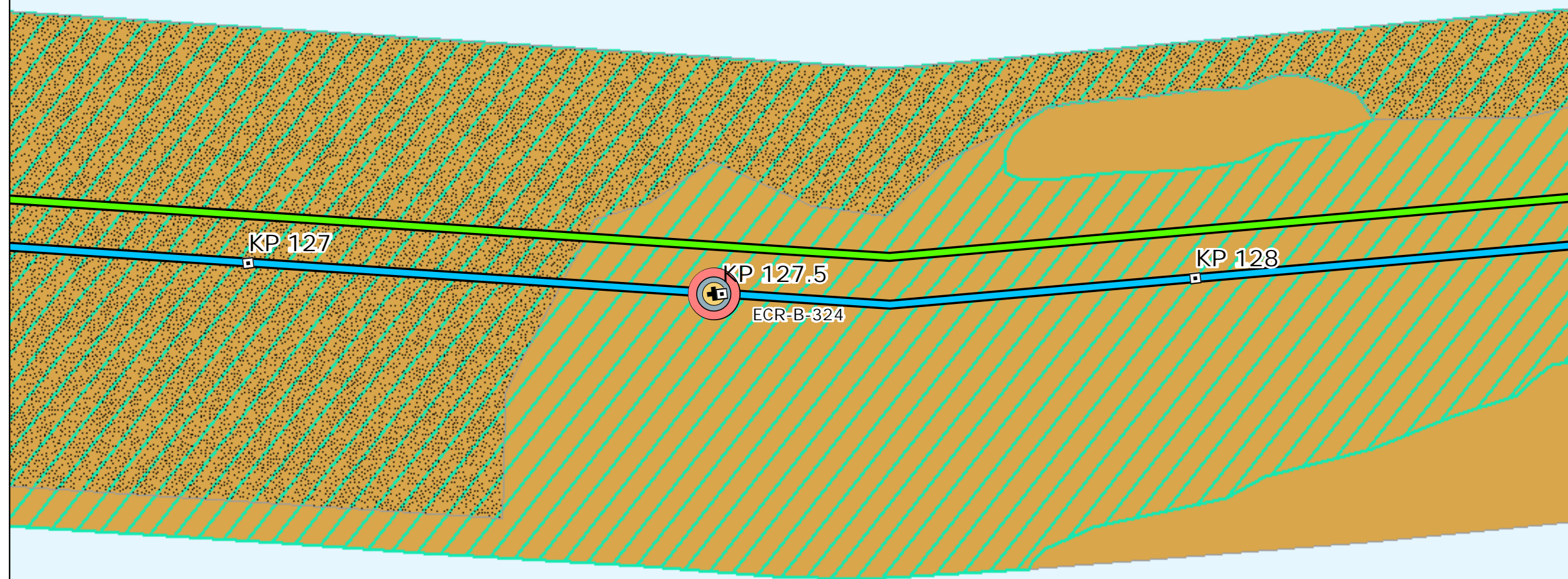
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

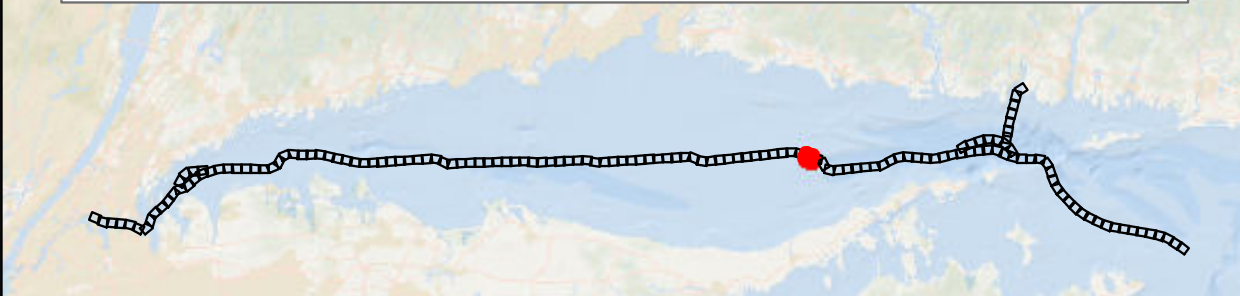


### Interpreted Seabed Sediment/NMFS Habitat Characterization

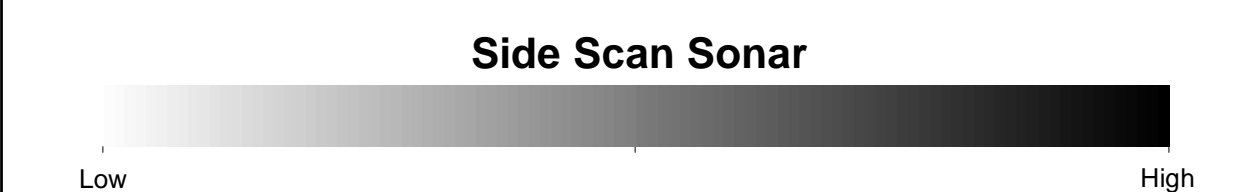
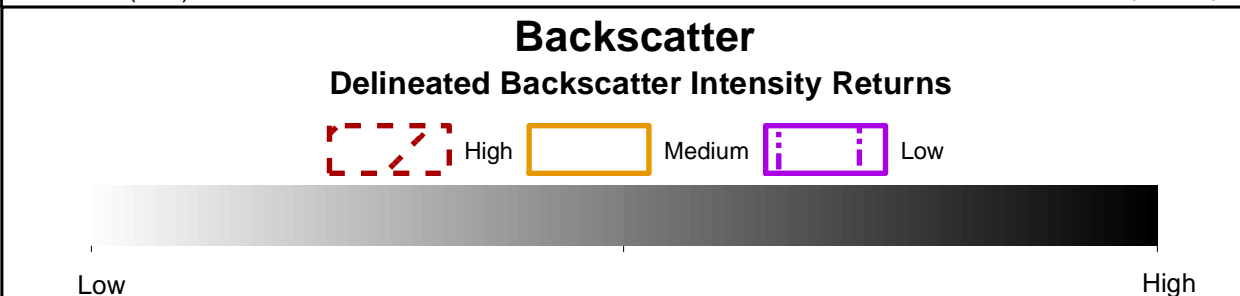
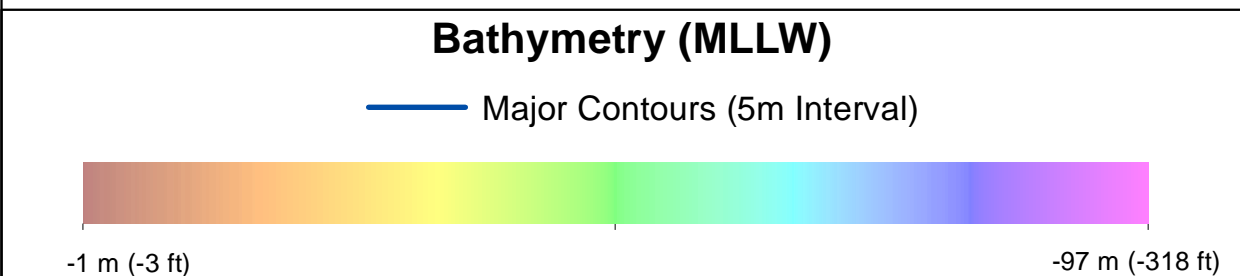
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



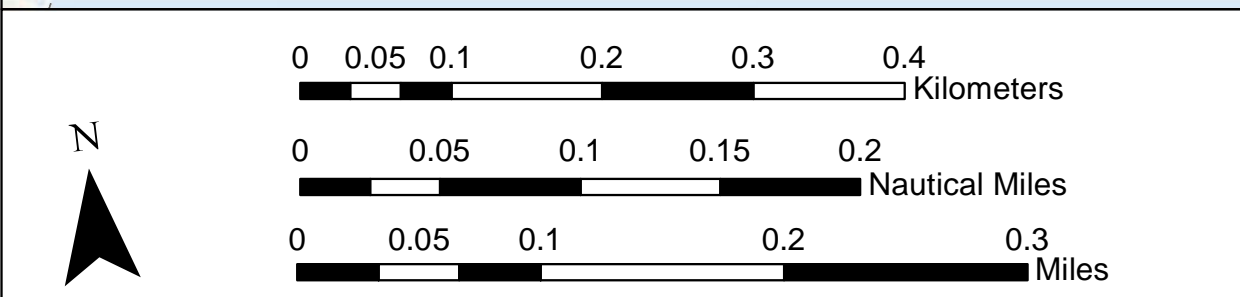
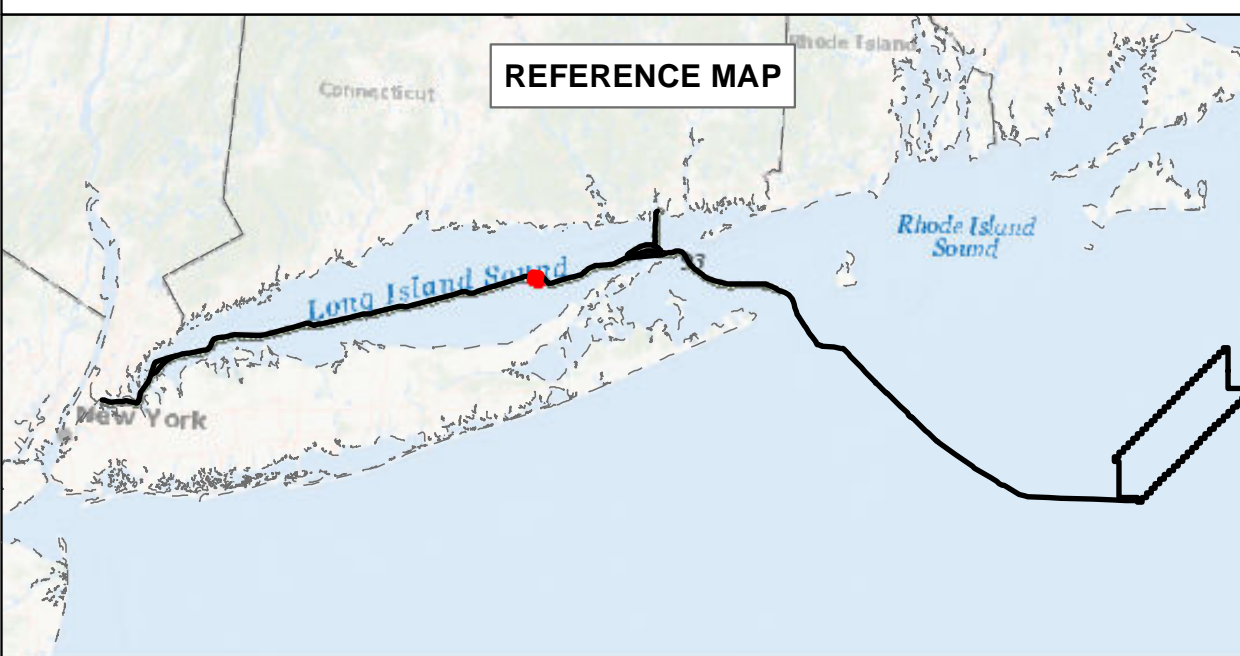
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✚ Grab and Video        | ● Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     | ● Soft Sediment Fauna  |
| <b>CMECS Substrate</b>  | ● Gravelly Sand  |
| <b>CMECS Geofom</b>     | ● Burrows/Bioturbation   |
| <b>Benthic Features</b> | ■ Megaripples  |
|                         | ■ Waves  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
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Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

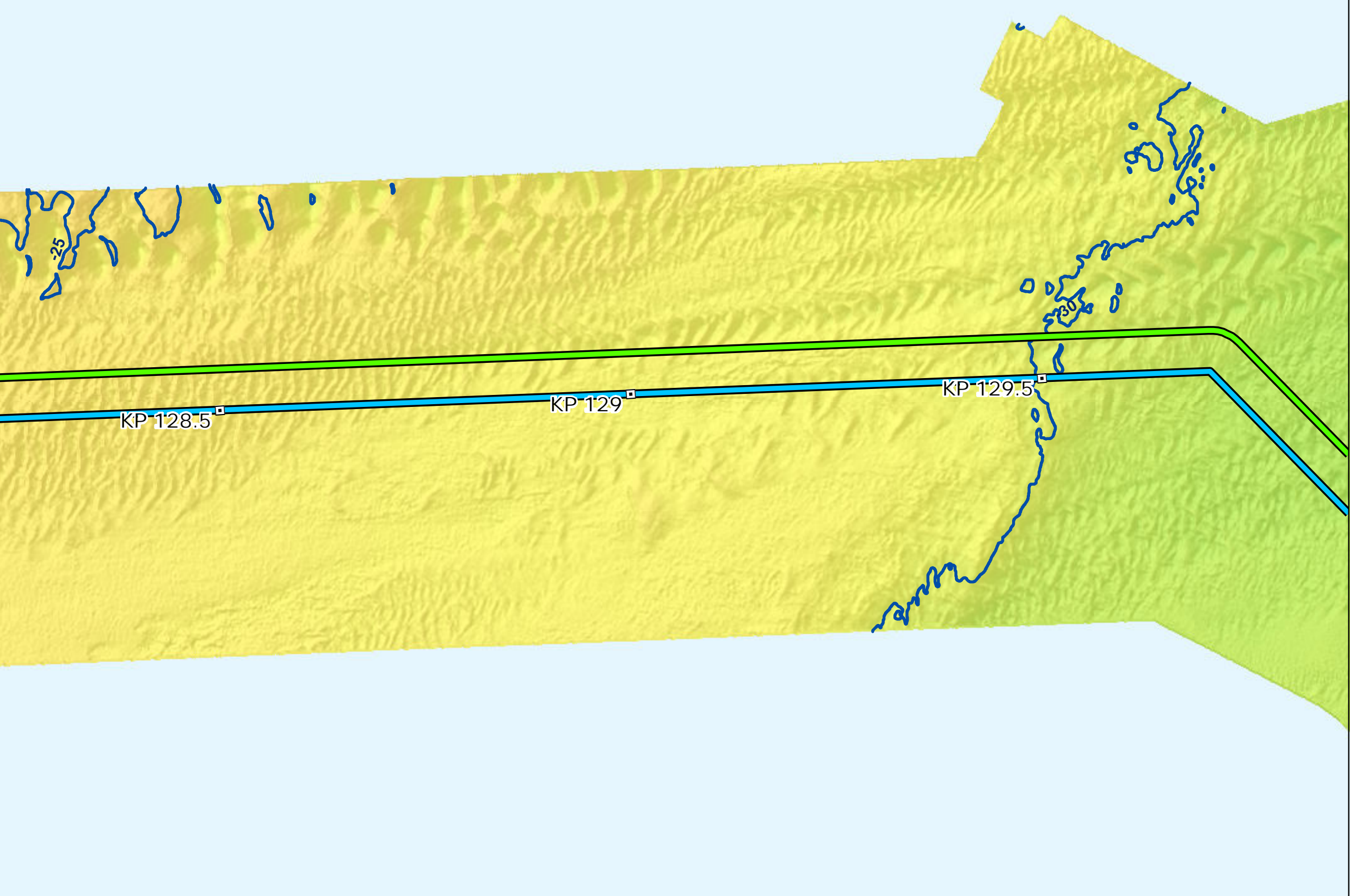
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 90

BW1 (NY) - KP 127 - KP 128  
BW2 (NY) - KP 127 - KP 128  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



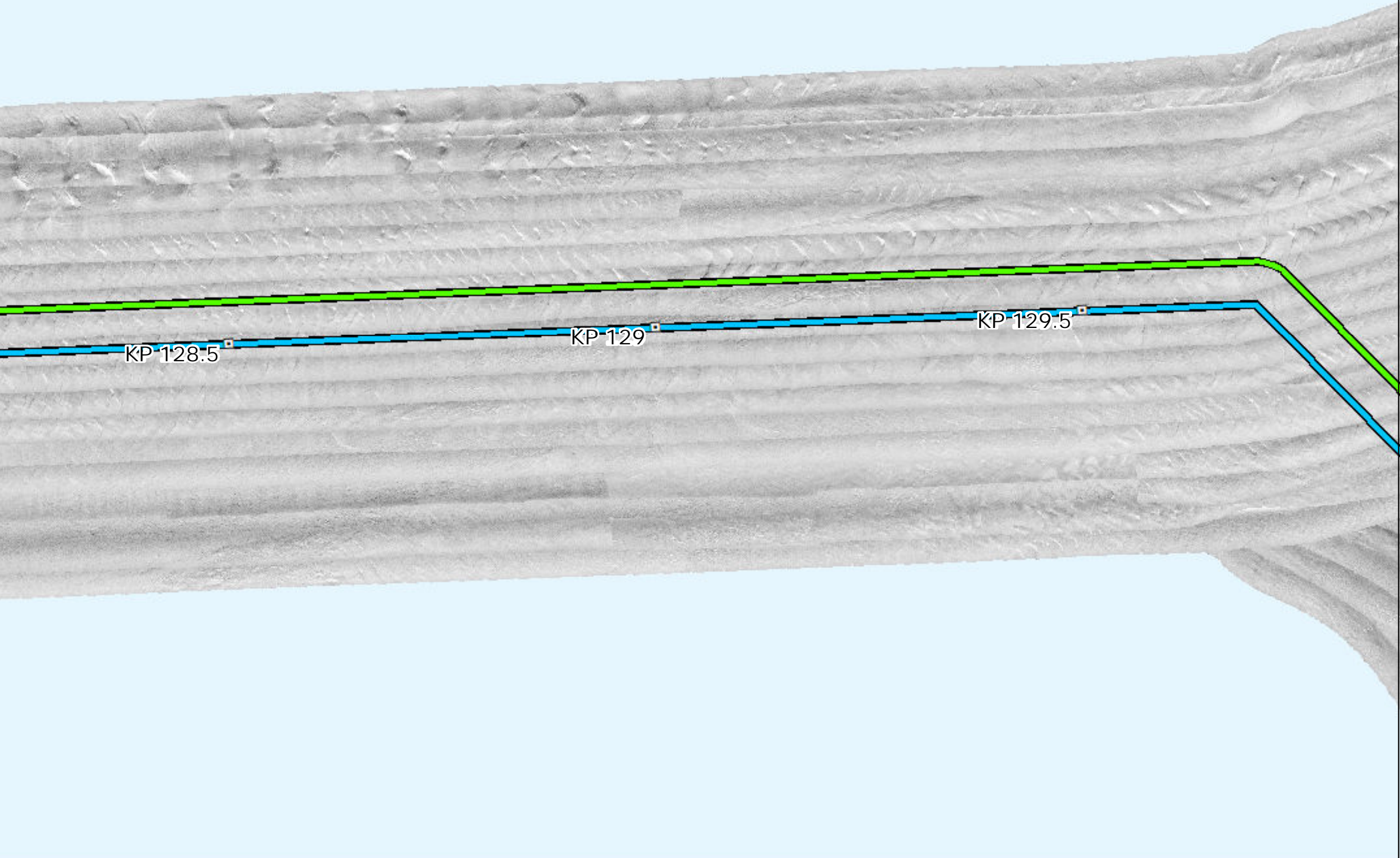
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



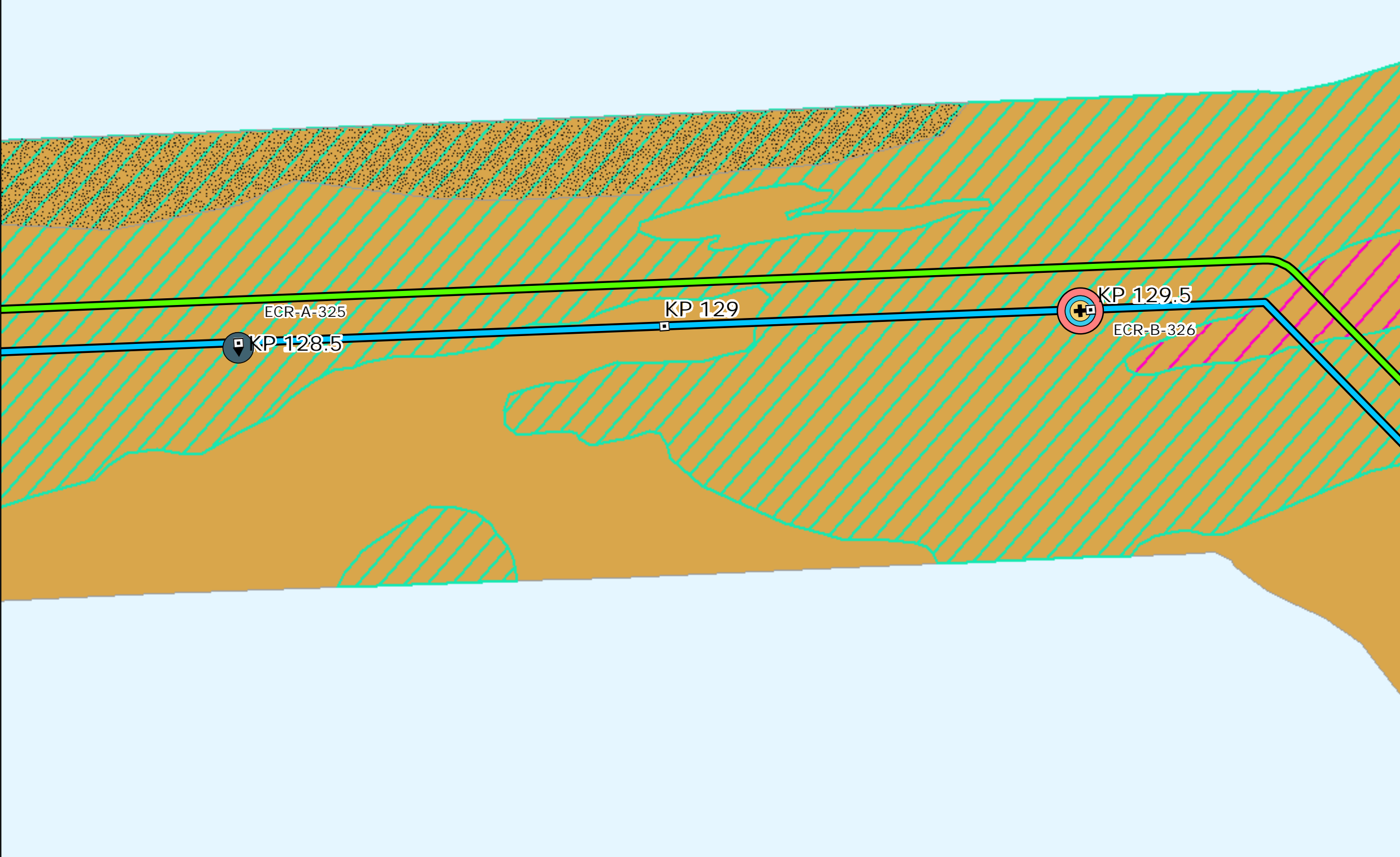
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

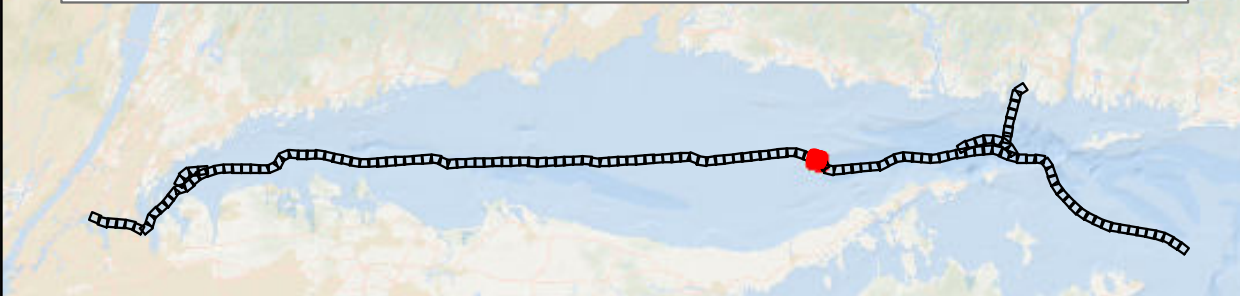


# Interpreted Seabed Sediment/NMFS Habitat Characterization

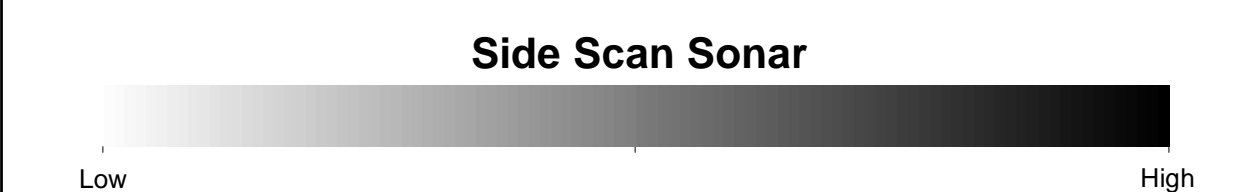
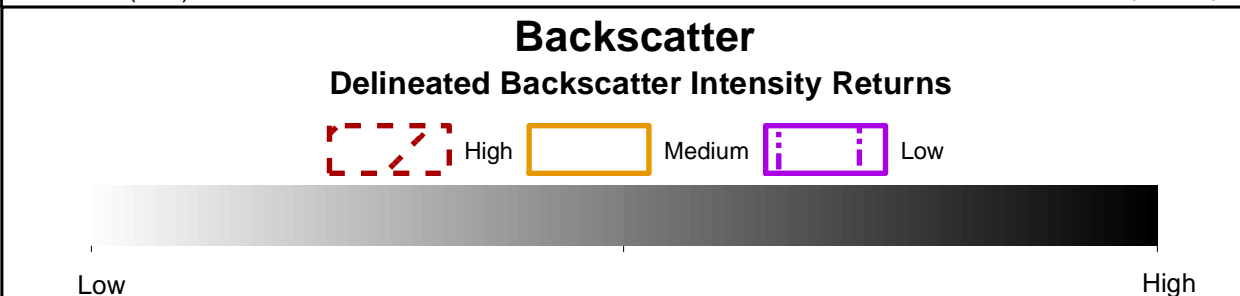
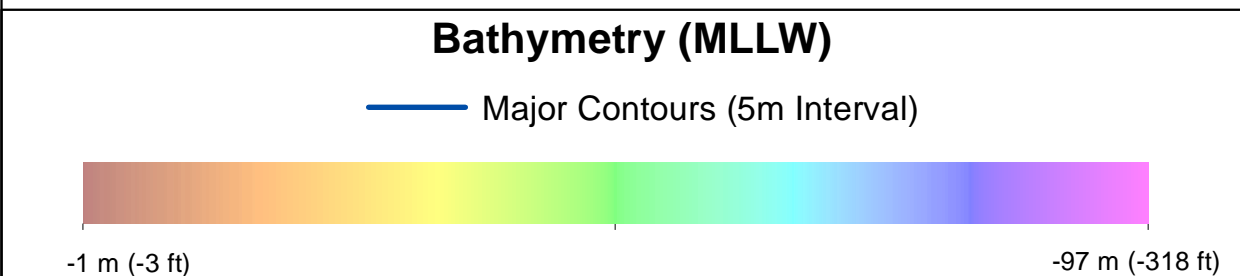
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

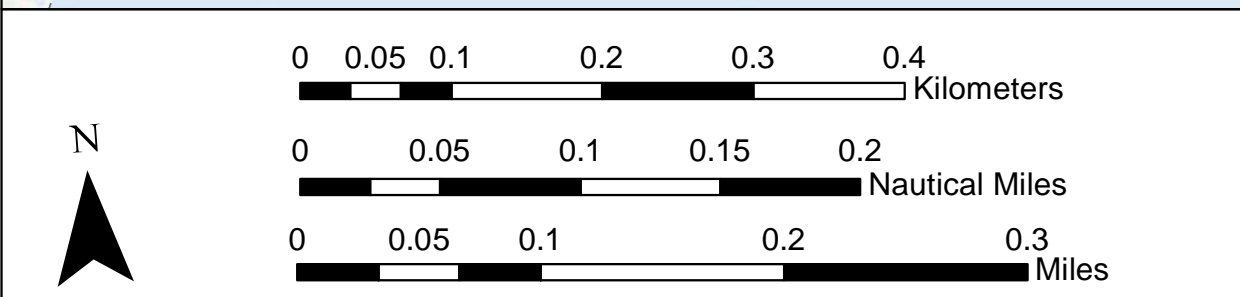
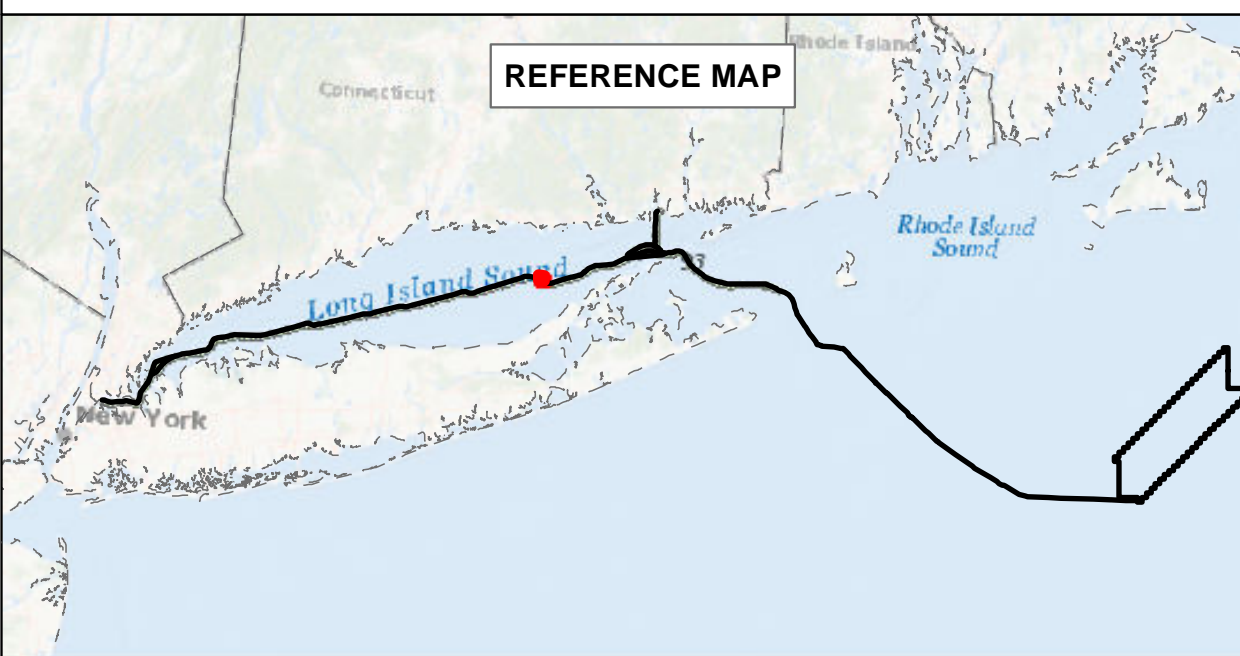


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ◆ SPI/PV                |  |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Gravelly Muddy Sand   |  |
| ● Sand                  |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |
| ▨ Waves                 |  |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



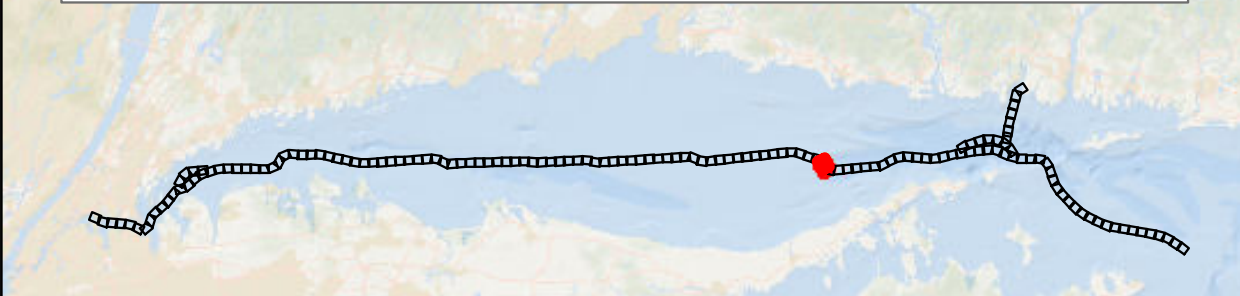
**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 91

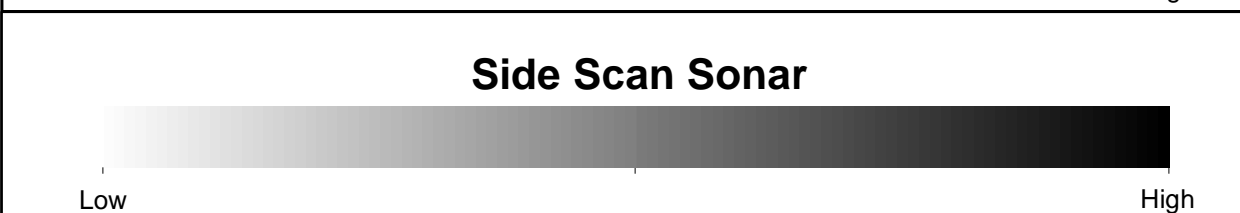
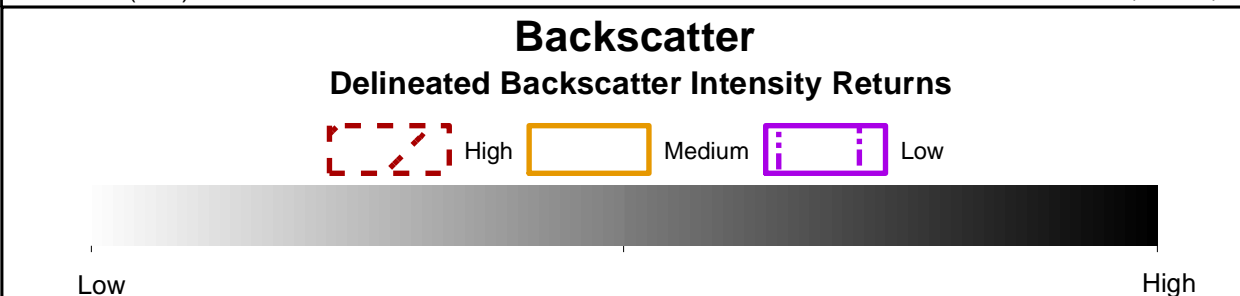
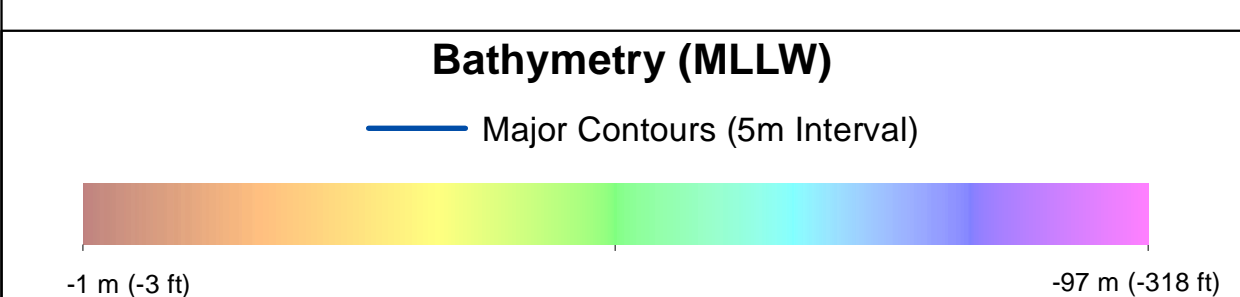
BW1 (NY) - KP 128.5 - KP 129.5  
BW2 (NY) - KP 128.5 - KP 129.5  
BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**



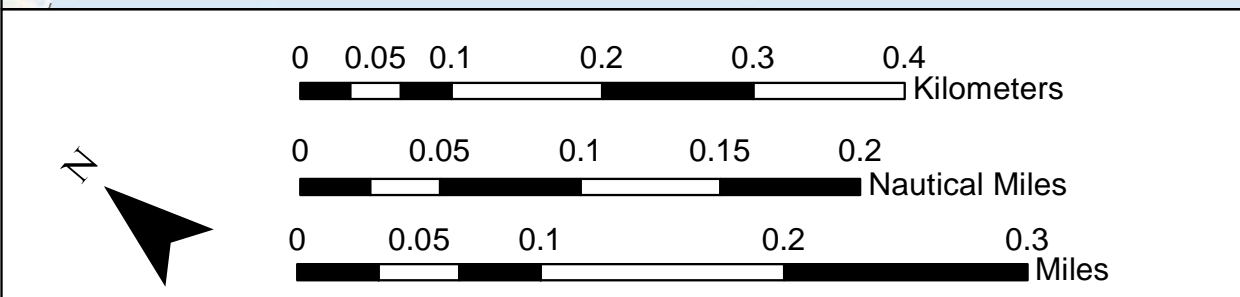
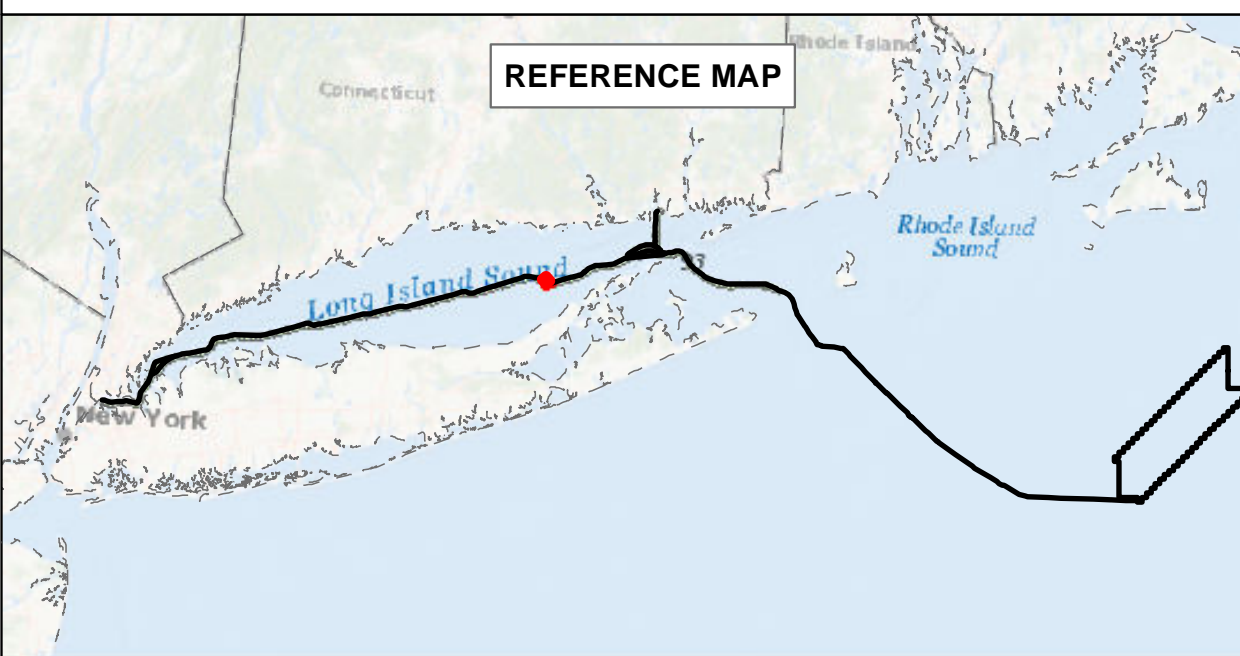
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ★ Video                 | ■ Sand/Soft Bottom Habitat                                       |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Sand                  |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |
| ▨ Waves                 |  |

Note:  
1) Legend only shows items visible in the current map extent.

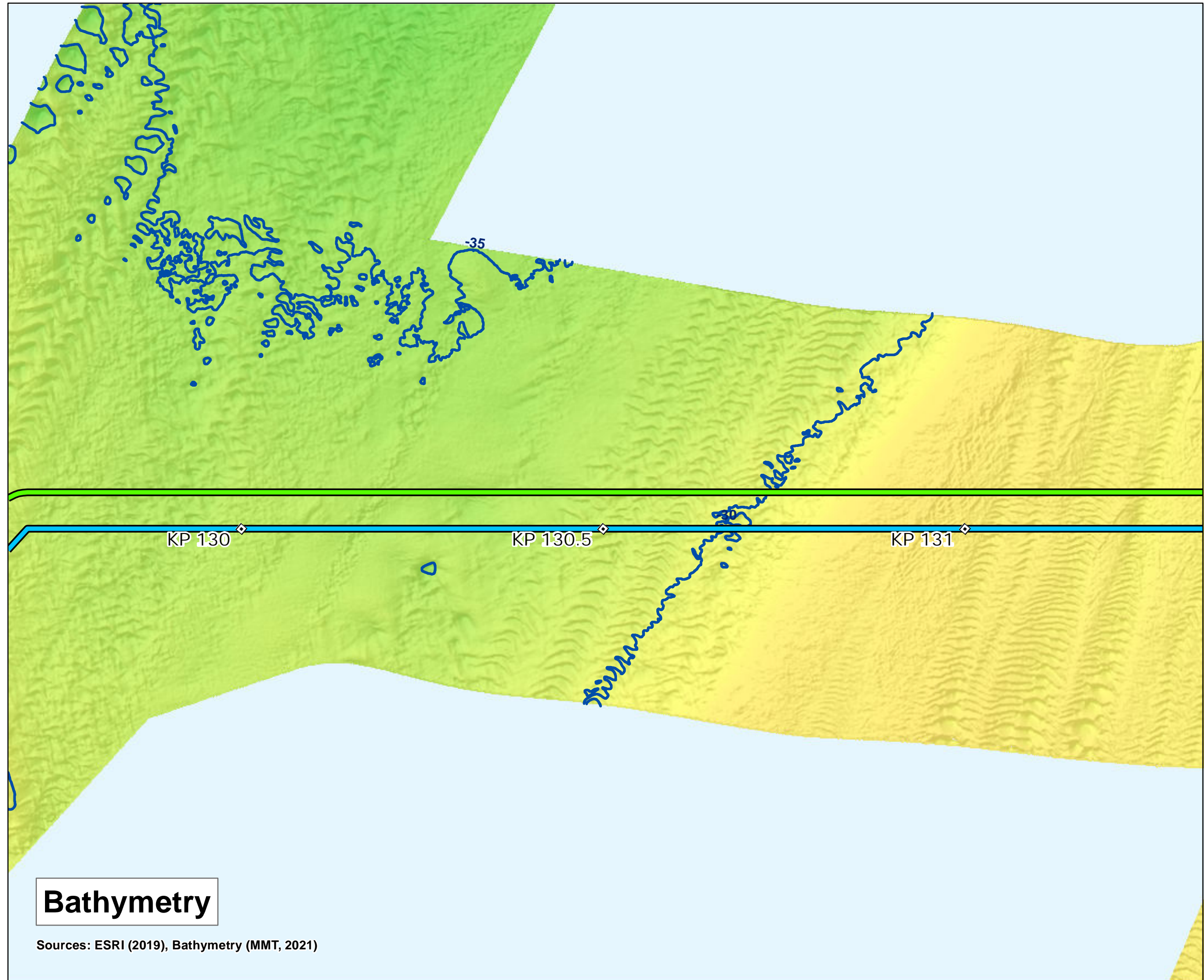
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 92

BW1 (NY) - KP 130 - KP 131  
BW2 (NY) - KP 130 - KP 131  
BW2 (CT) - N/A



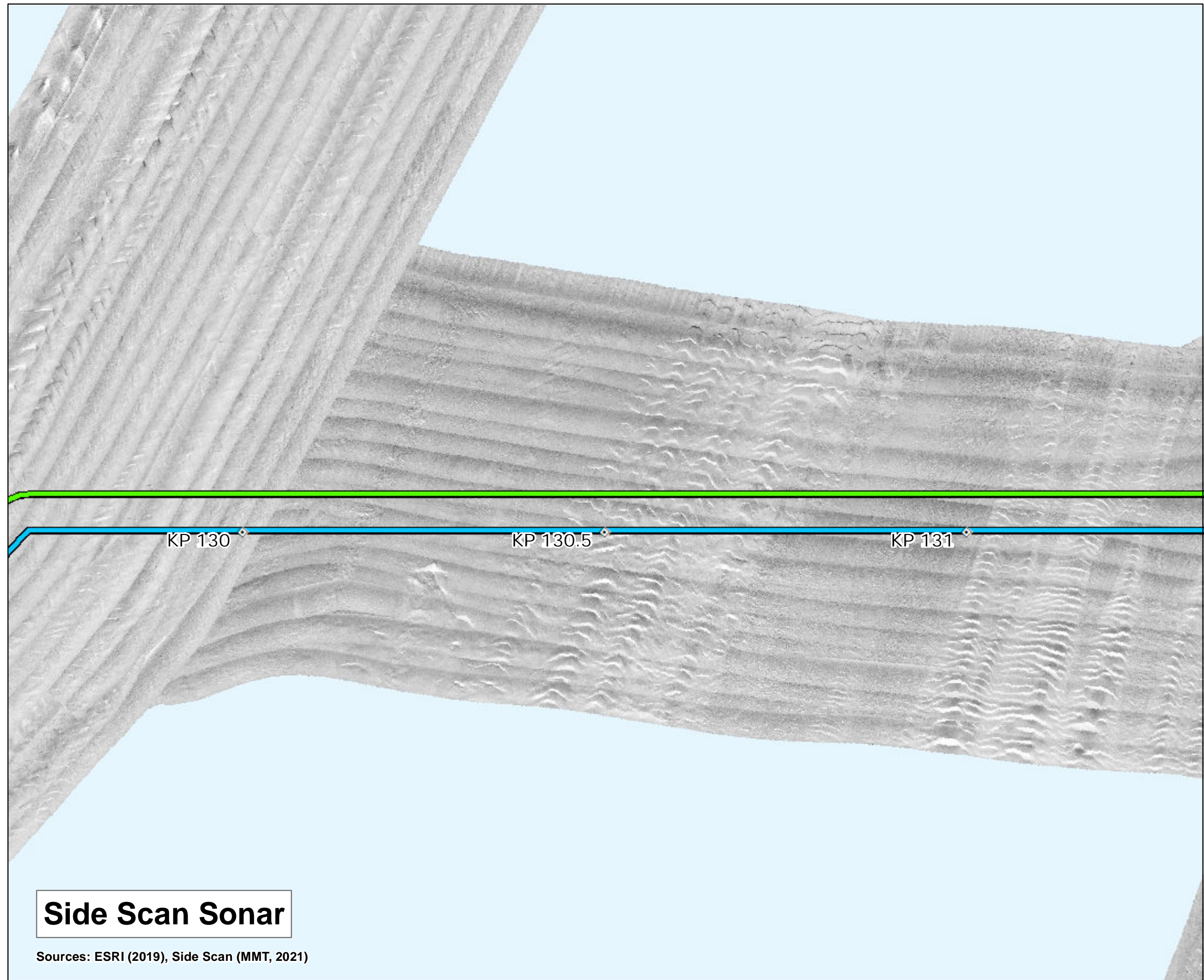
**Bathymetry**

Sources: ESRI (2019), Bathymetry (MMT, 2021)



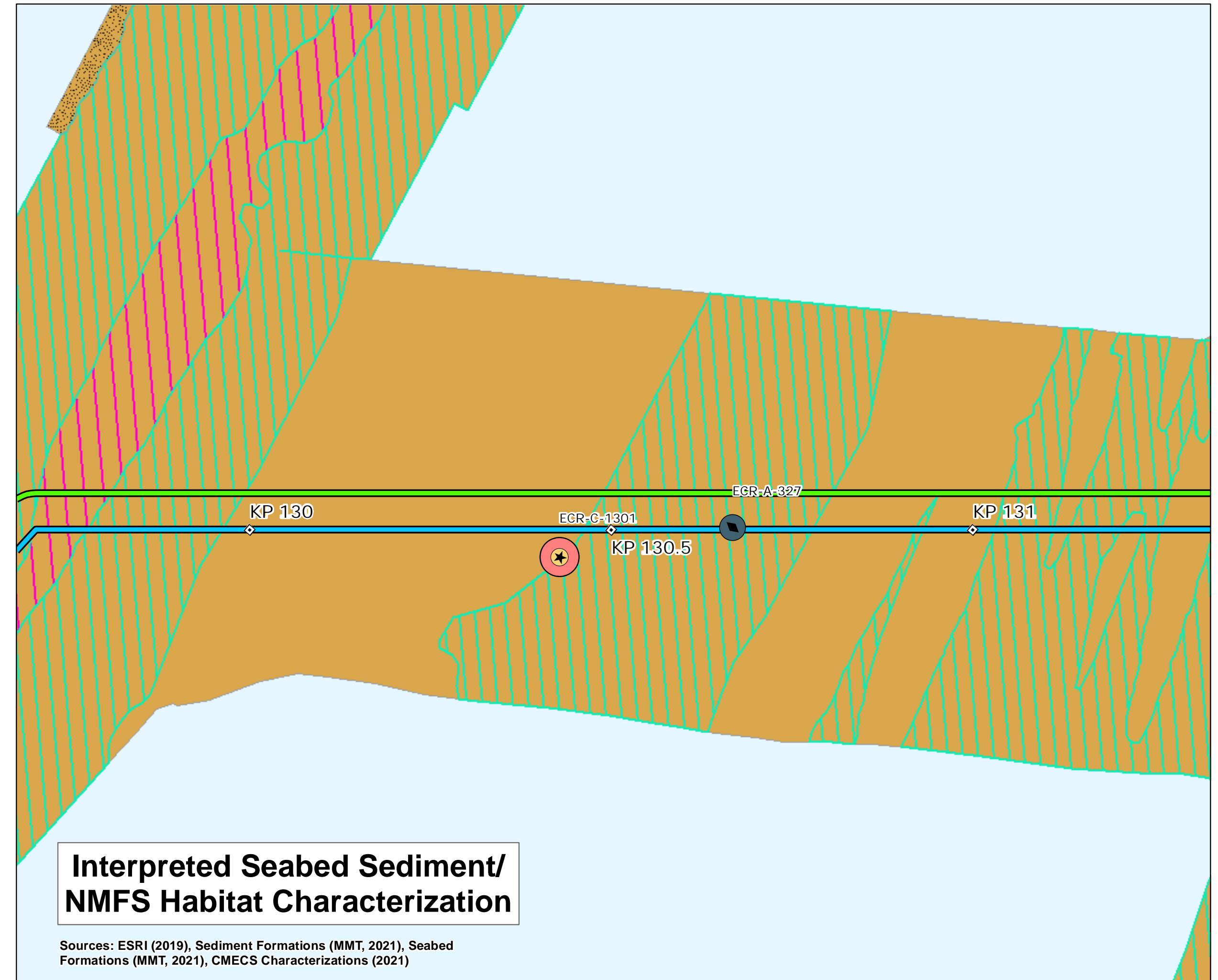
**Backscatter**

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



**Side Scan Sonar**

Sources: ESRI (2019), Side Scan (MMT, 2021)

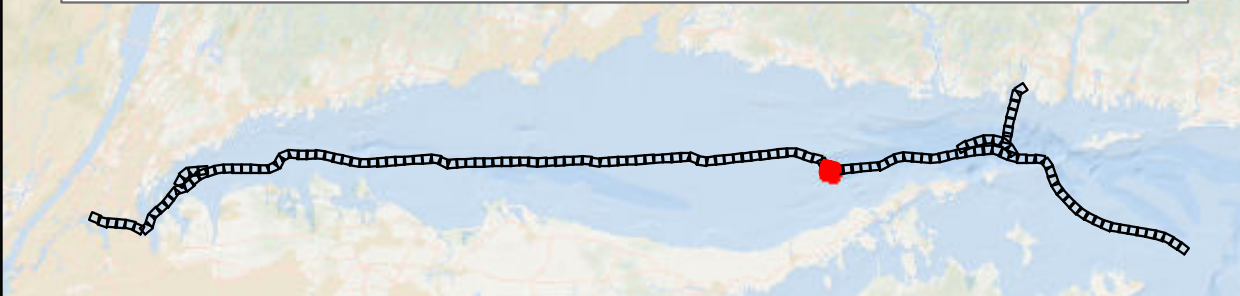


**Interpreted Seabed Sediment/  
NMFS Habitat Characterization**

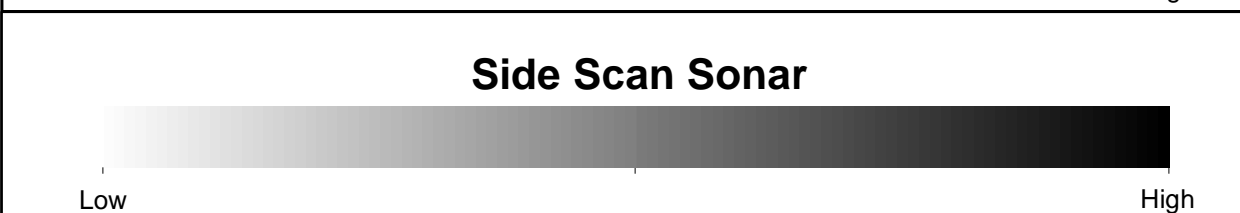
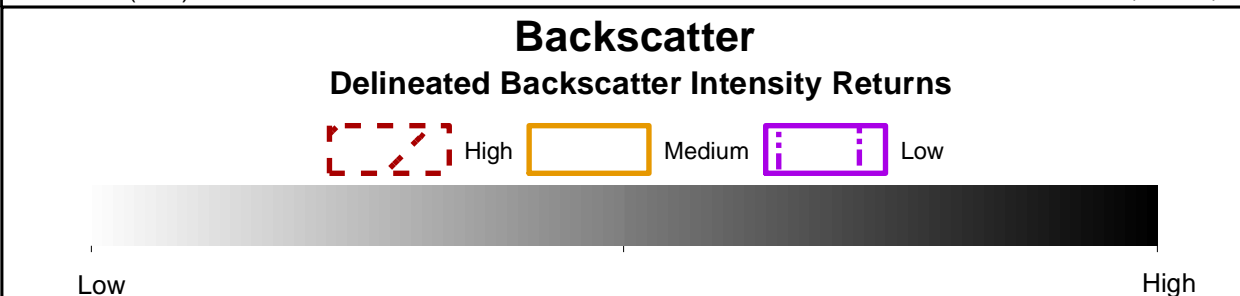
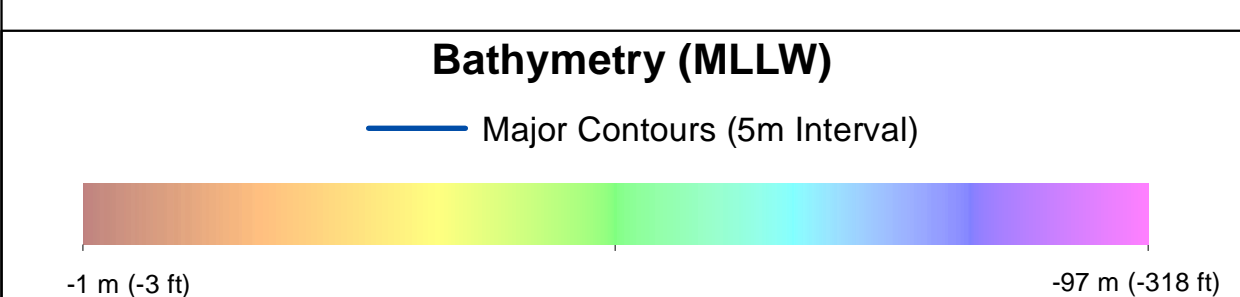
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



**Map Book Package for Submarine Export Cable Route in State Waters**

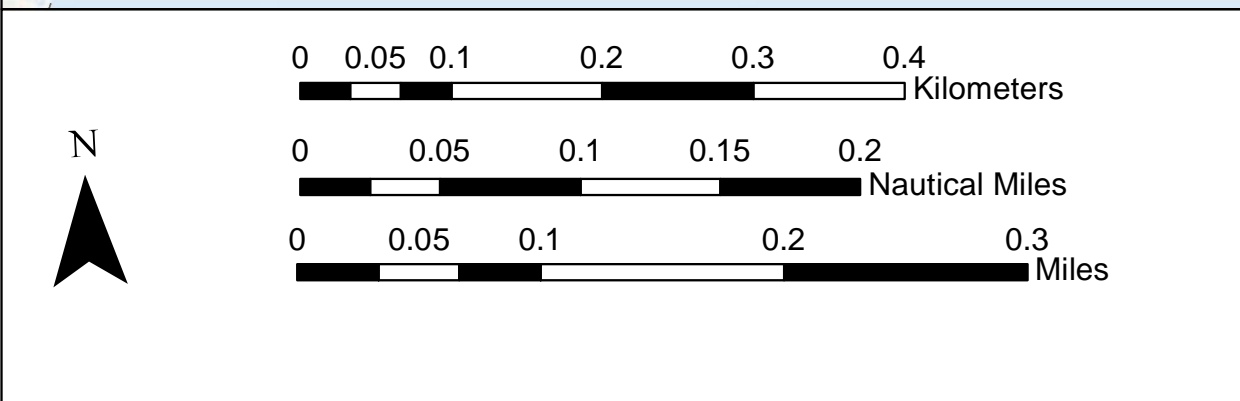
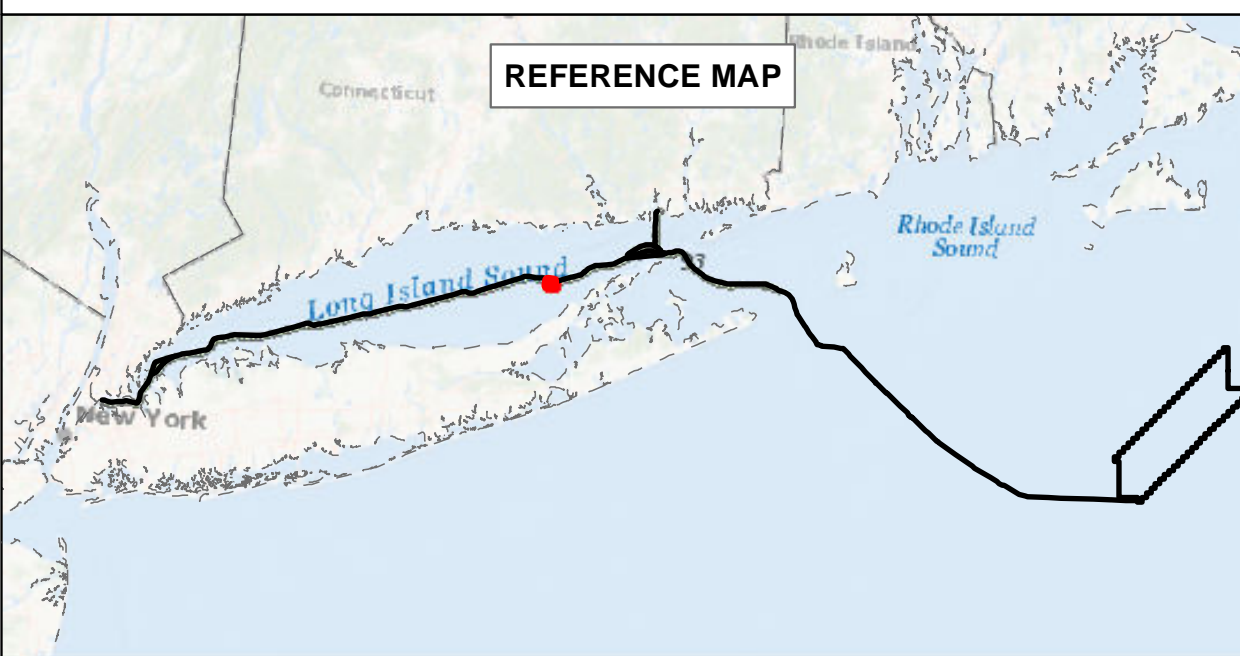


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Gravelly              |  |
| ● Muddy Sand            |  |
| <b>CMECS Geomorph</b>   |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▣ Megaripples           |  |
- Note:  
1) Legend only shows items visible in the current map extent.

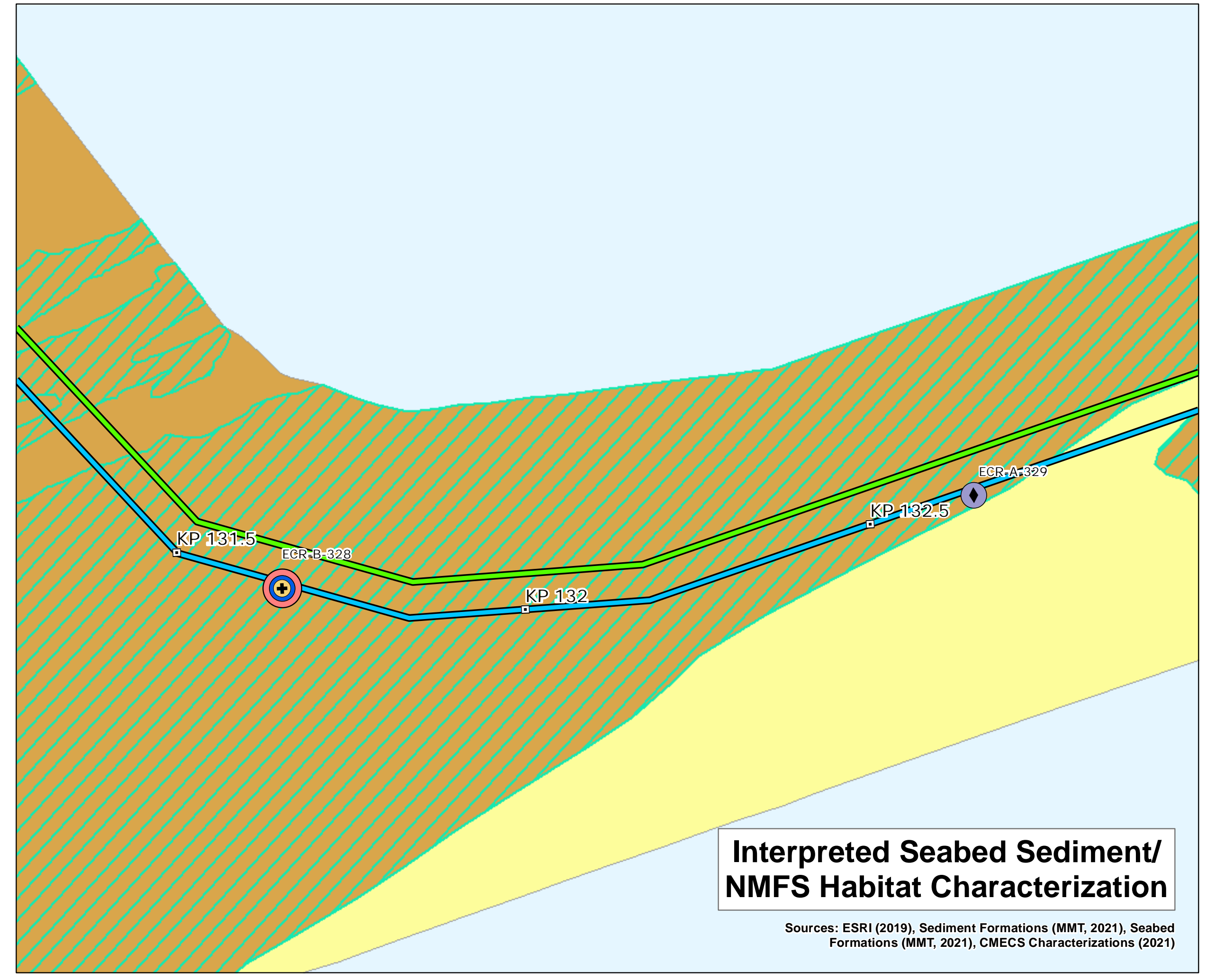
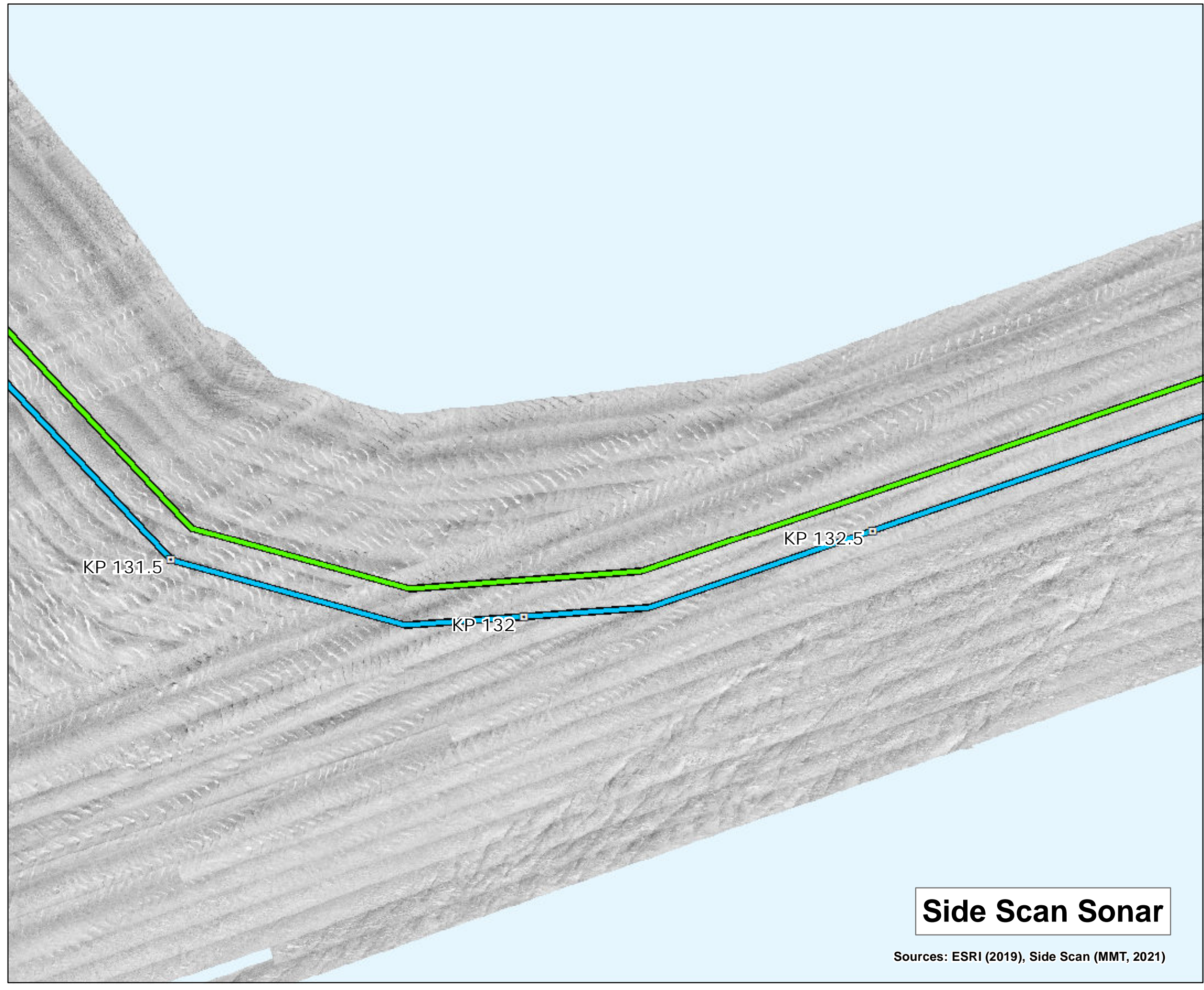
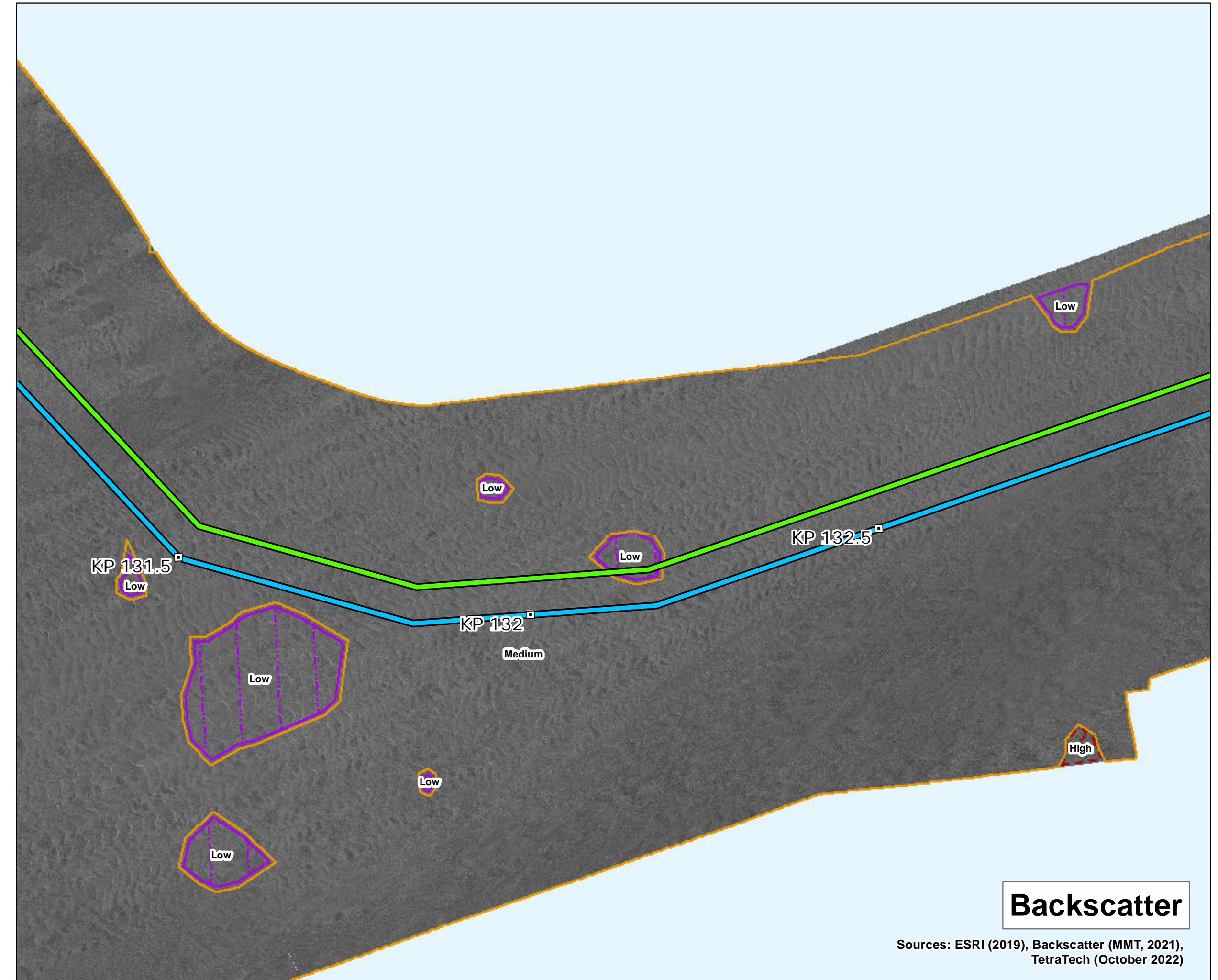
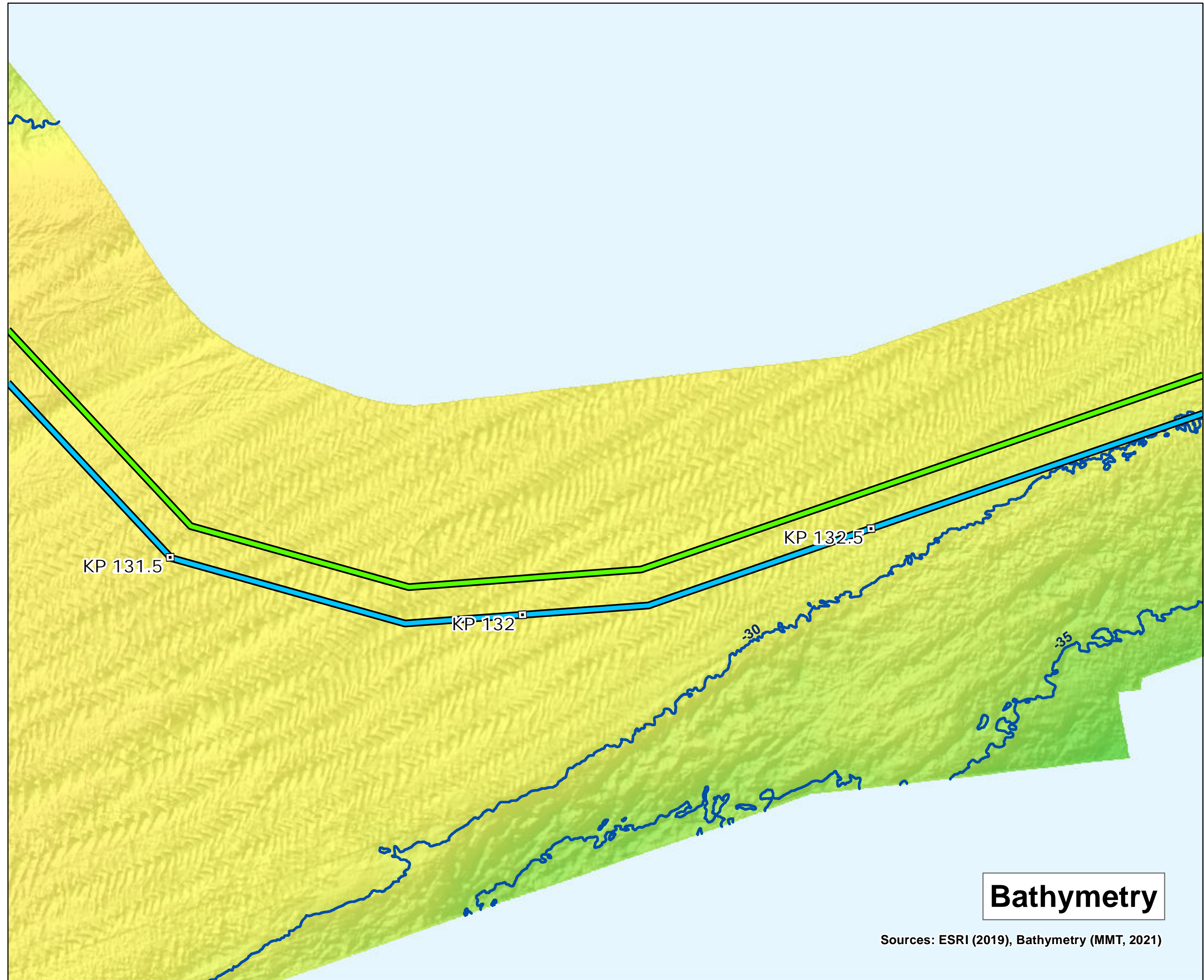
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 93

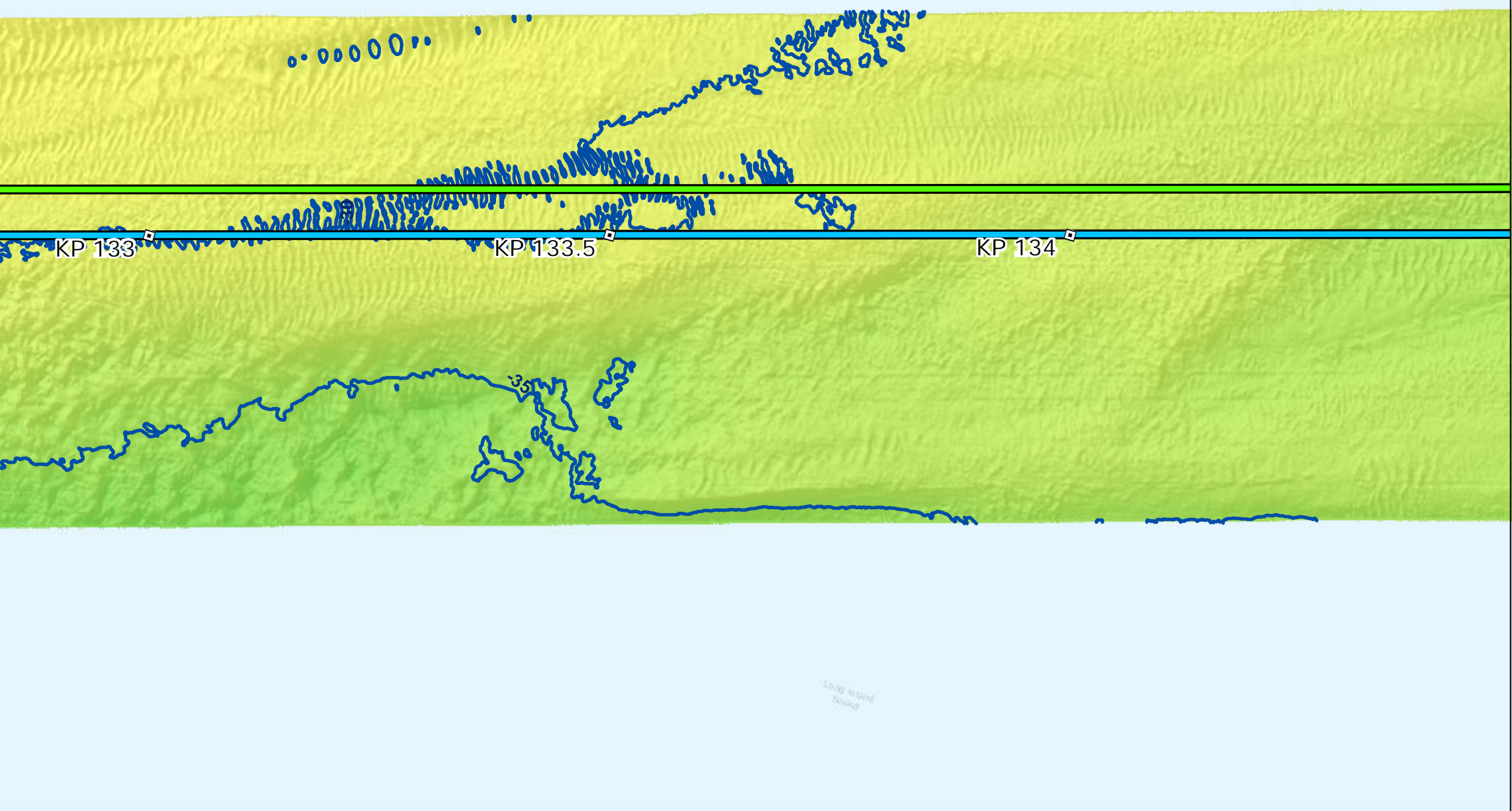
BW1 (NY) - KP 131.5 - KP 132.5  
BW2 (NY) - KP 131.5 - KP 132.5  
BW2 (CT) - N/A





### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



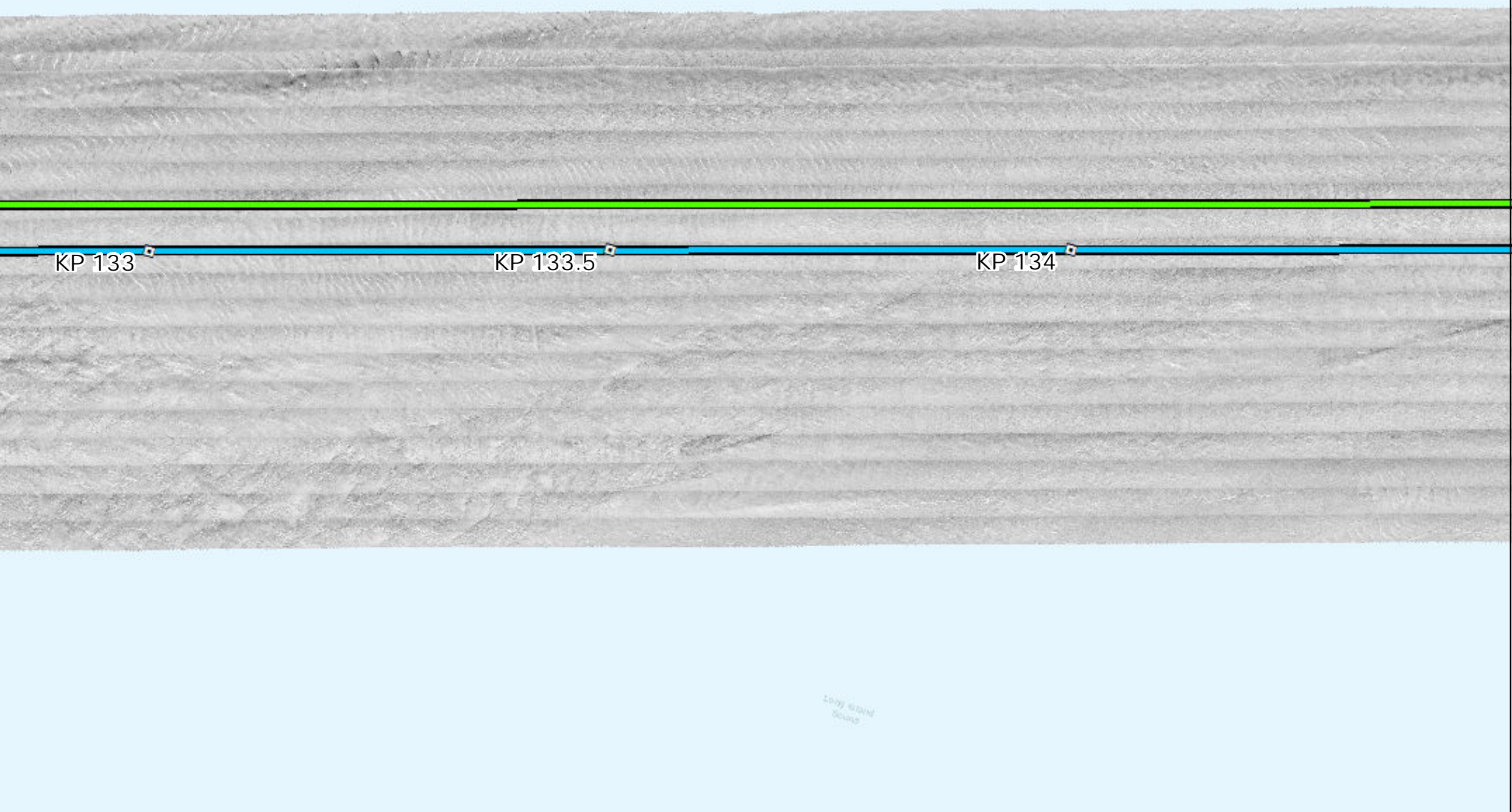
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



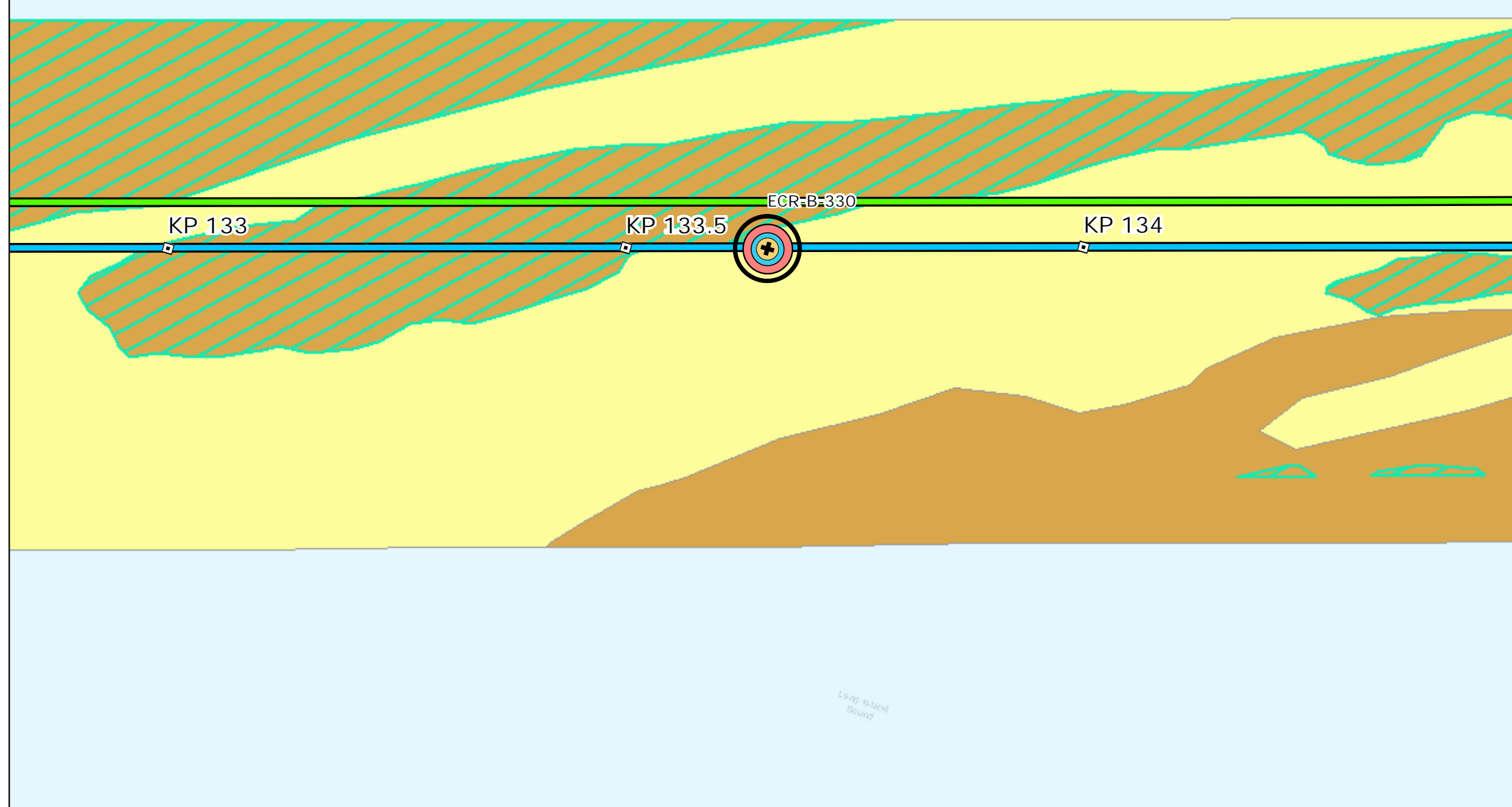
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

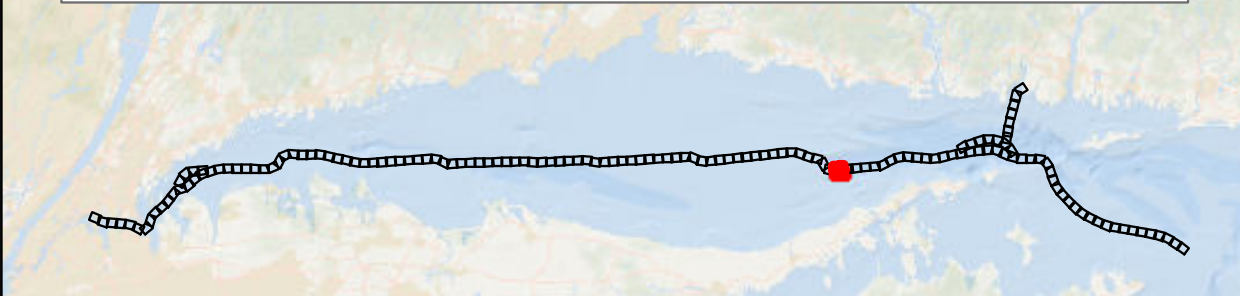


### Interpreted Seabed Sediment/NMFS Habitat Characterization

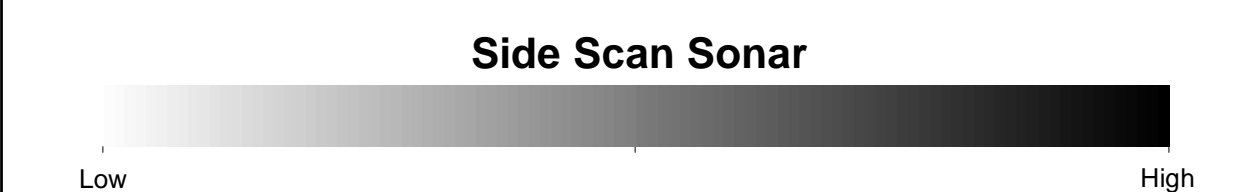
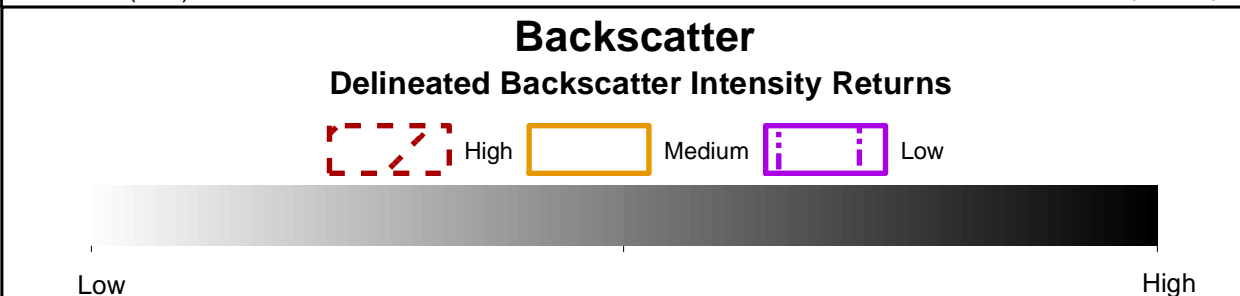
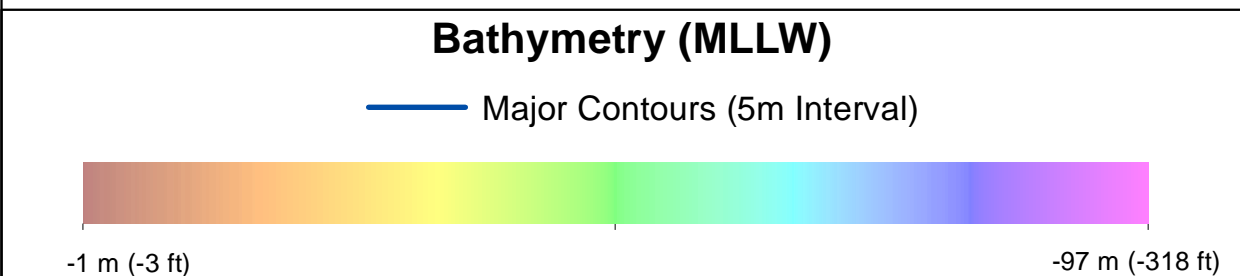
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



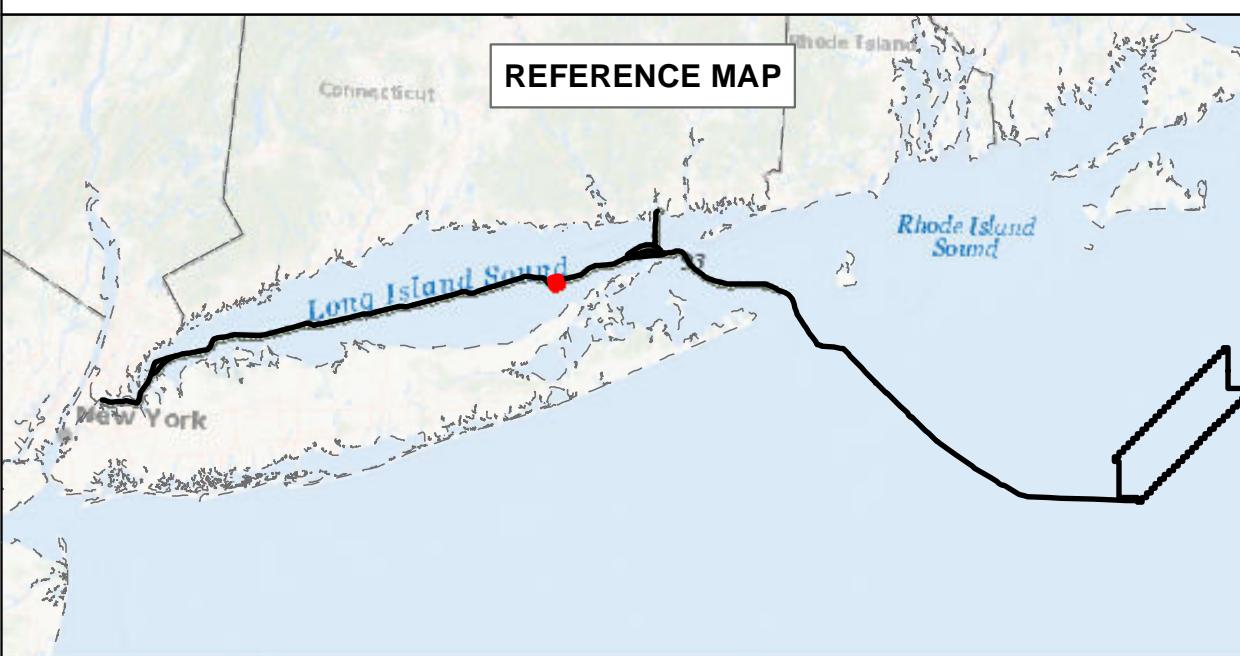
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✚ Grab and Video       | ● Mud and Sandy Mud/Soft Bottom Habitat                          |
| <b>CMECS Biotic</b>    | ● Soft Sediment Fauna  |
| ● Soft Sediment Fauna  | ● Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Substrate</b> | ● Gravelly Muddy Sand  |
| ● Gravelly Muddy Sand  | ● Burrows/Bioturbation   |
| <b>CMECS Geofom</b>    | ○ Northern Star Coral  |
| ● Burrows/Bioturbation | ■ Megaripples  |
| ○ Northern Star Coral  |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

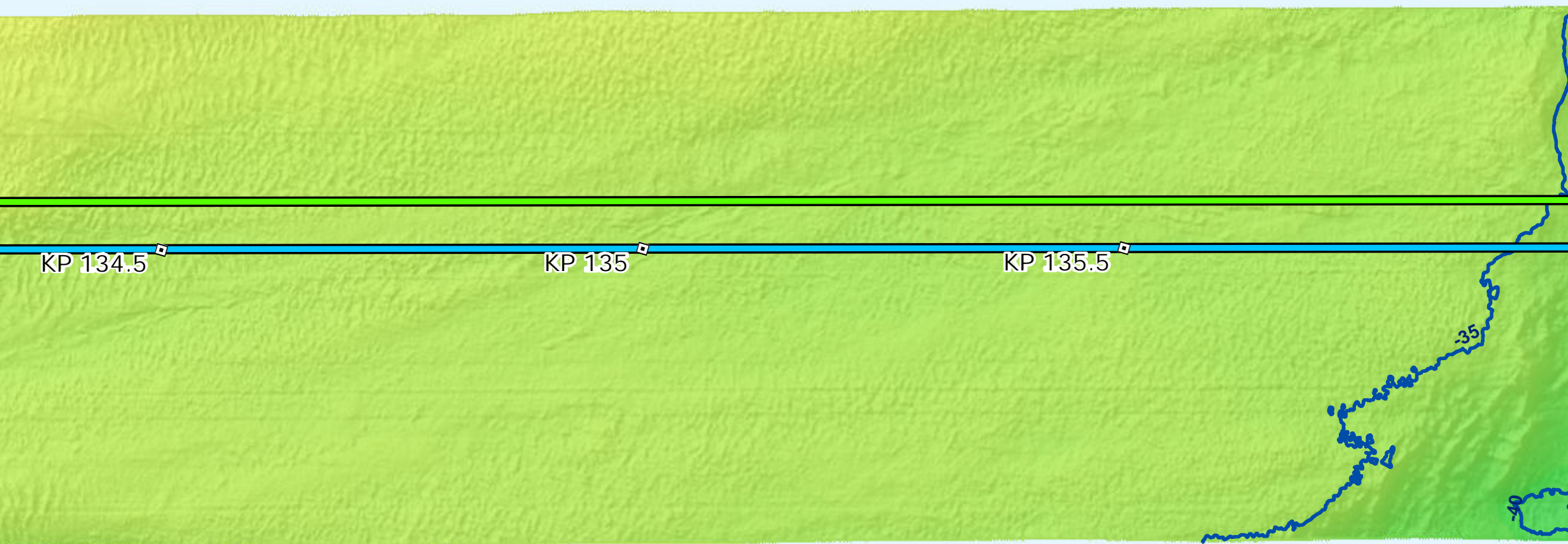
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 94

BW1 (NY) - KP 133 - KP 134  
BW2 (NY) - KP 133 - KP 134  
BW2 (CT) - N/A



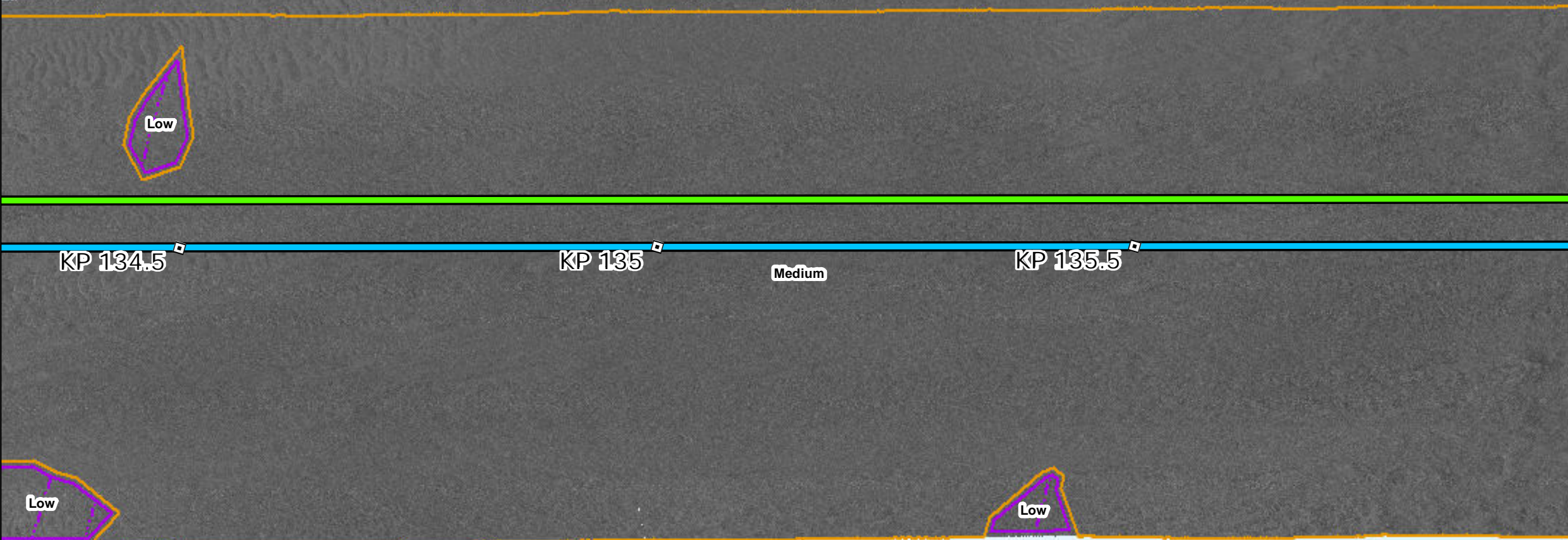
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



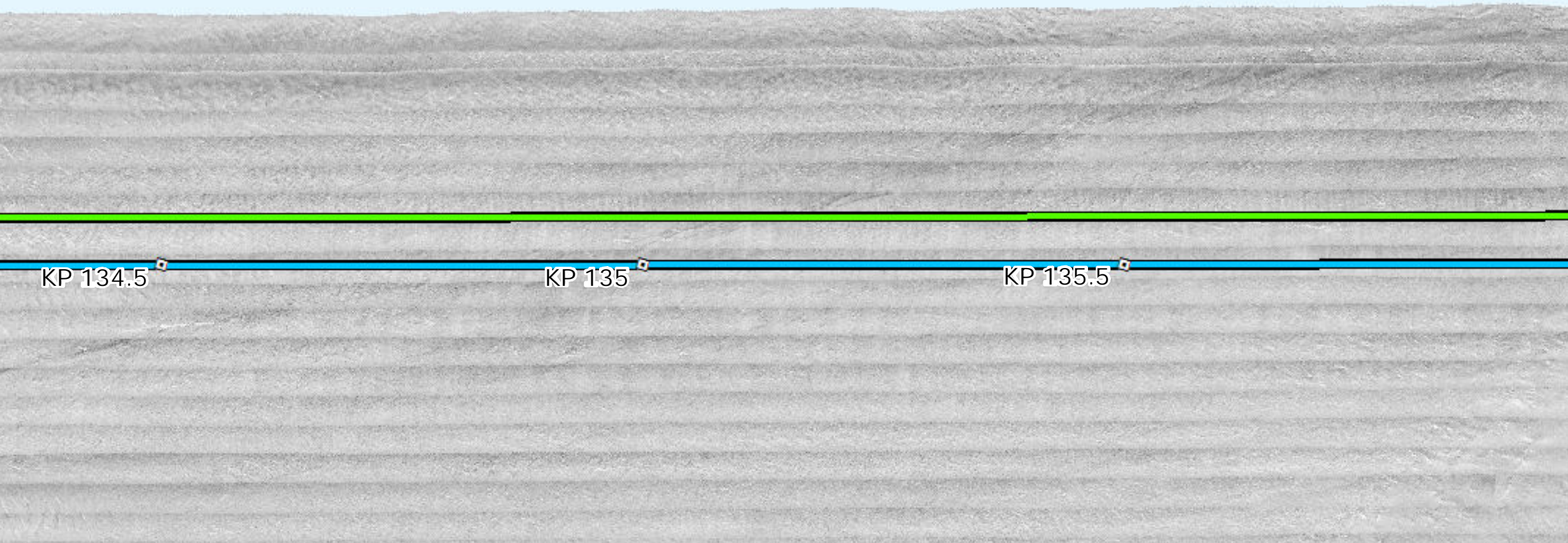
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



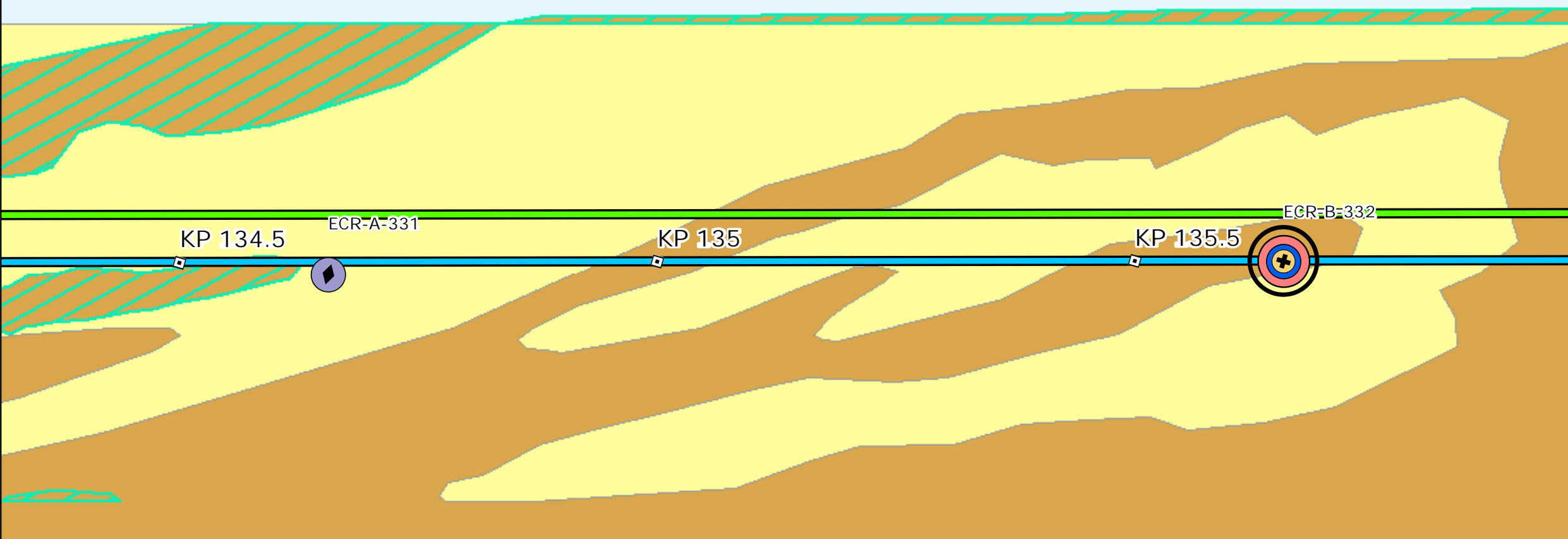
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

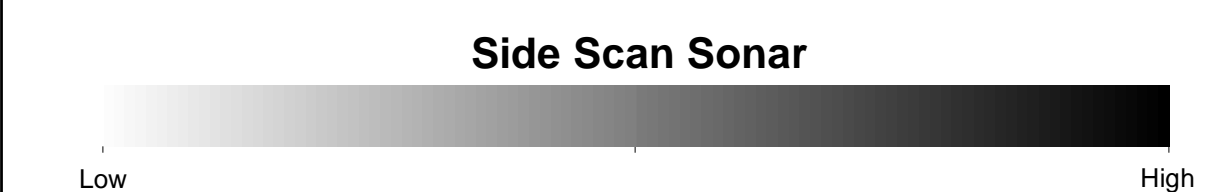
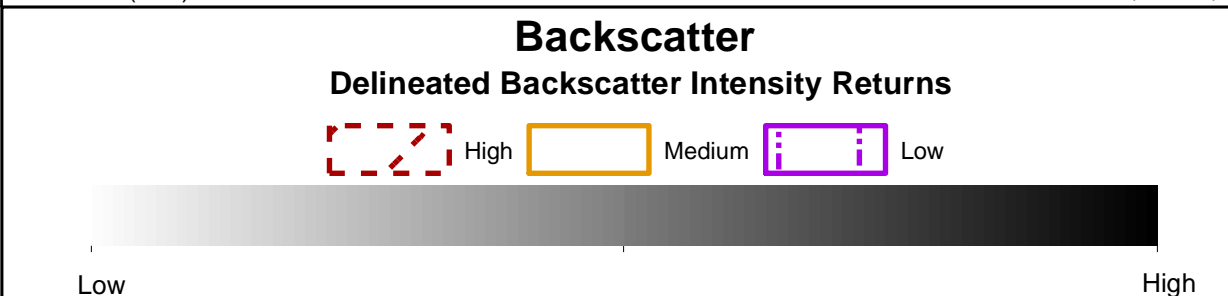
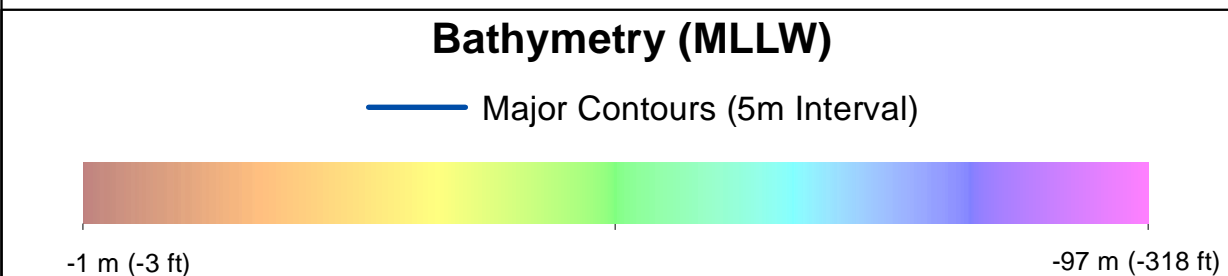
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



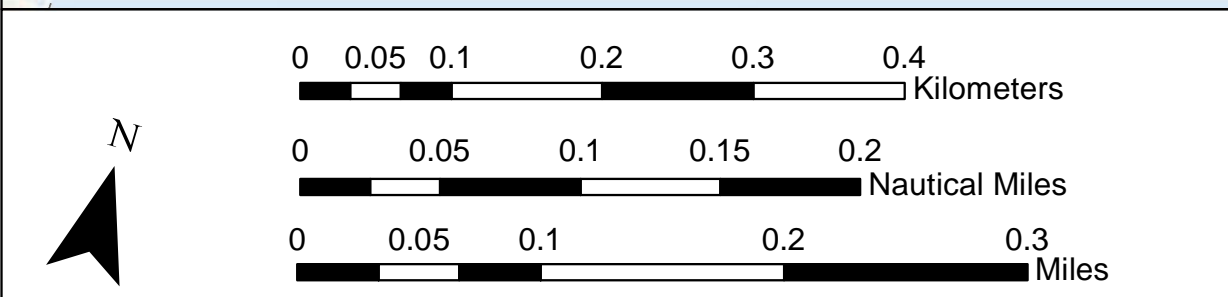
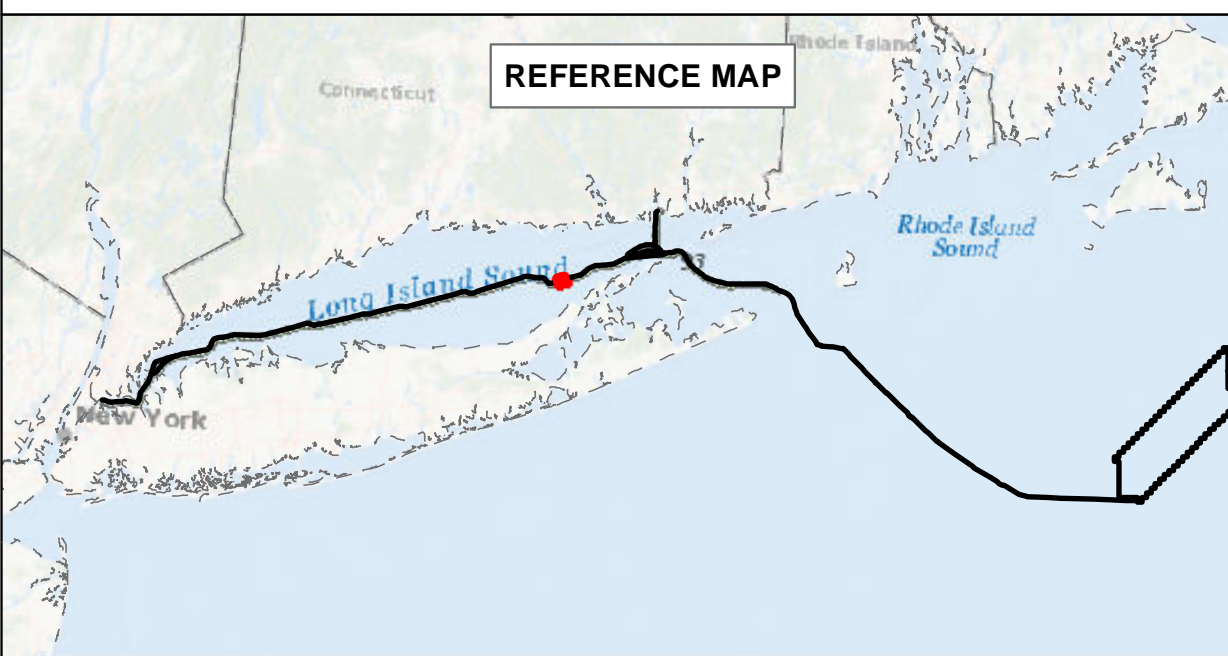
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |  |
|--|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br><b>CMECS Biotic</b><br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Gravelly<br>● Muddy Sand<br><b>CMECS Geoform</b><br>● Burrows/Bioturbation<br>○ Northern Star Coral | <b>Benthic Features</b><br>□ Megaripples<br><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>● Mud and Sandy Mud/Soft Bottom Habitat<br>● Sand and Muddy Sand/Soft Bottom Habitat |
|--|--|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

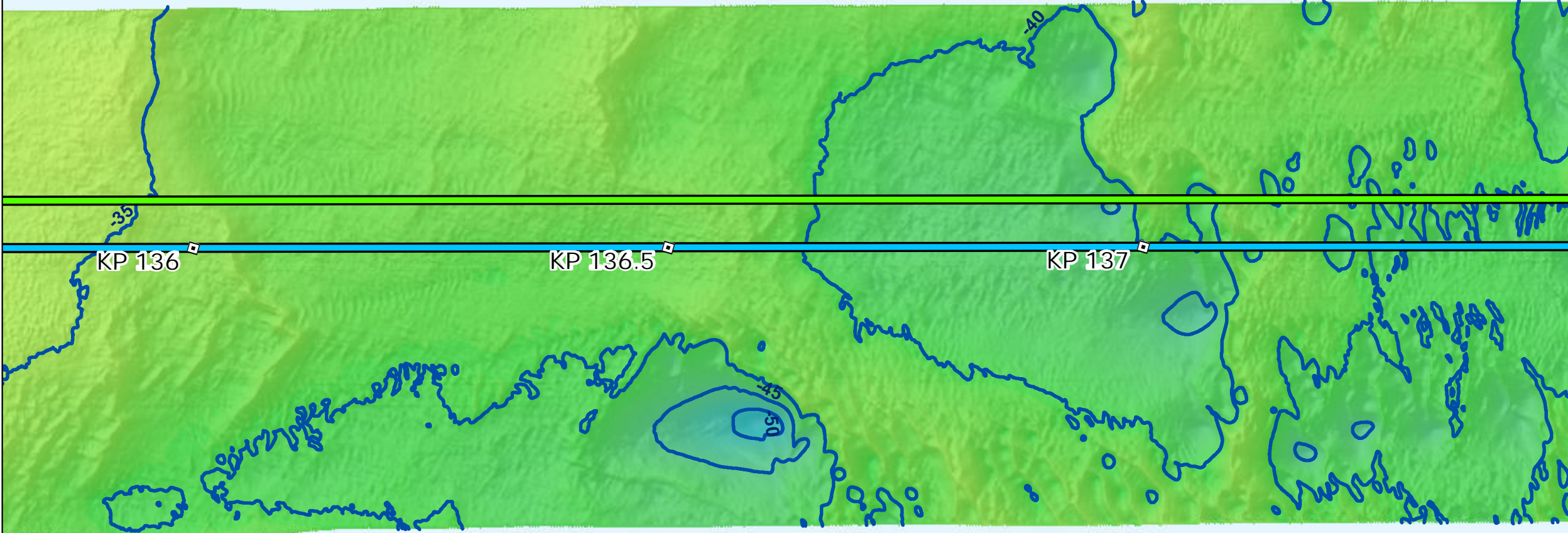
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 95

BW1 (NY) - KP 134.5 - KP 135.5  
 BW2 (NY) - KP 134.5 - KP 135.5  
 BW2 (CT) - N/A



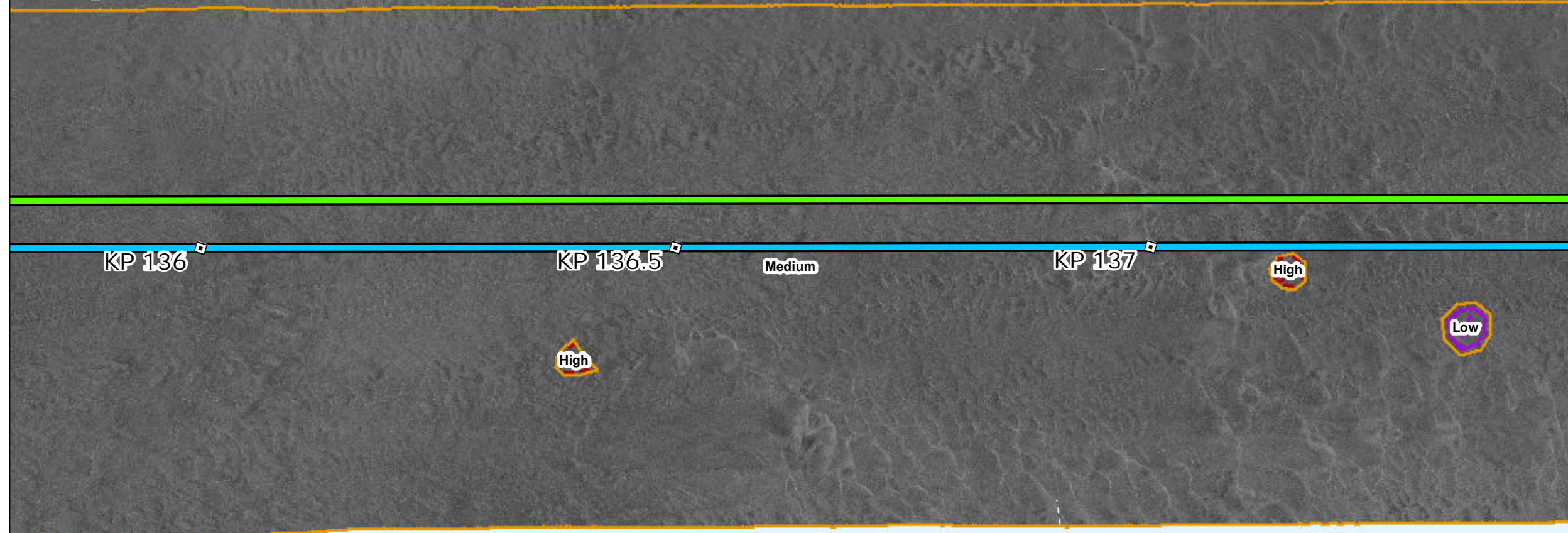
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



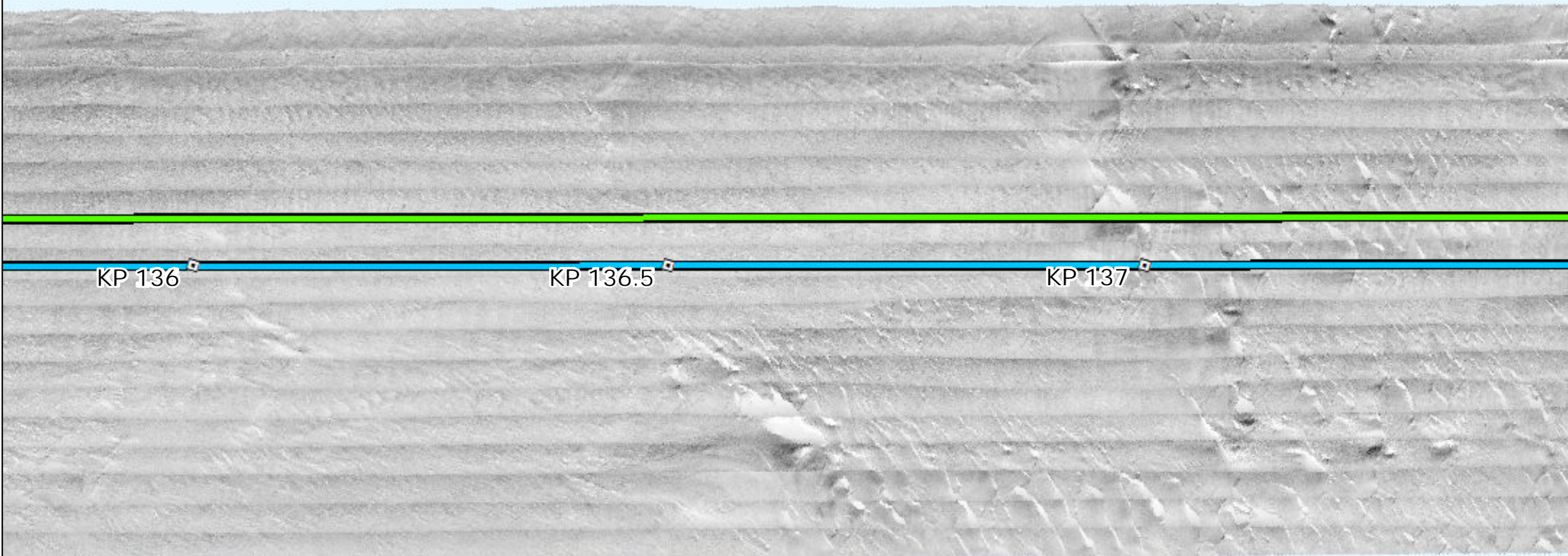
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



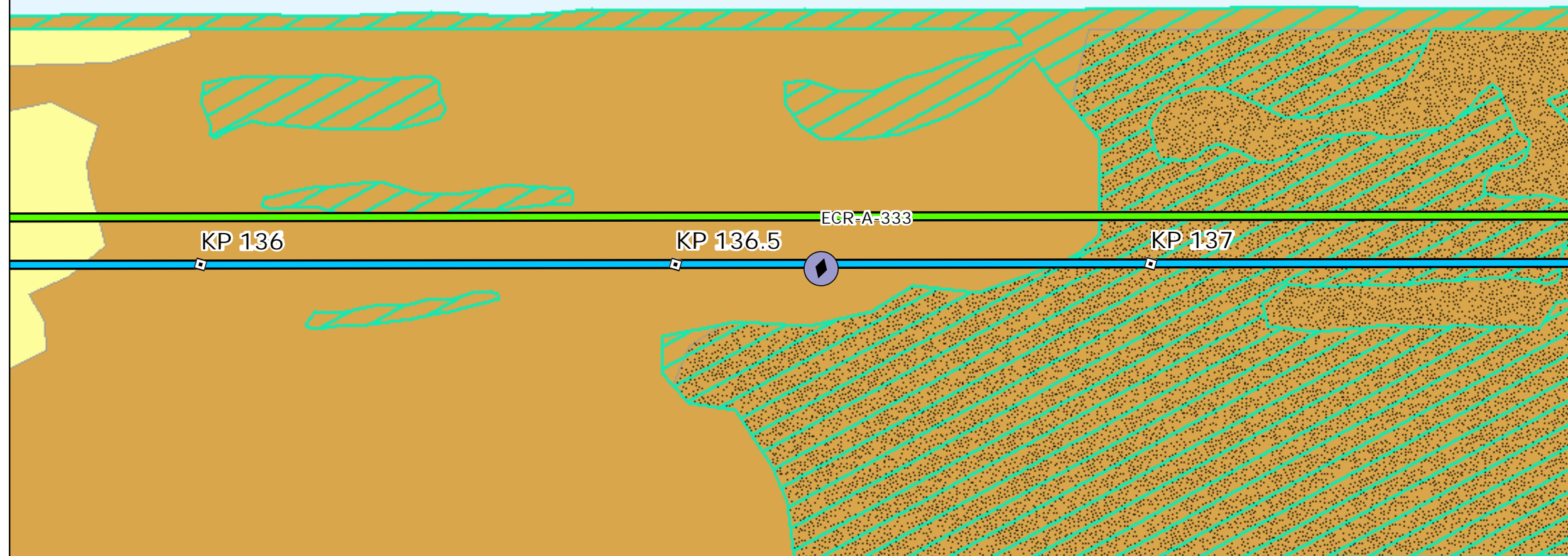
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

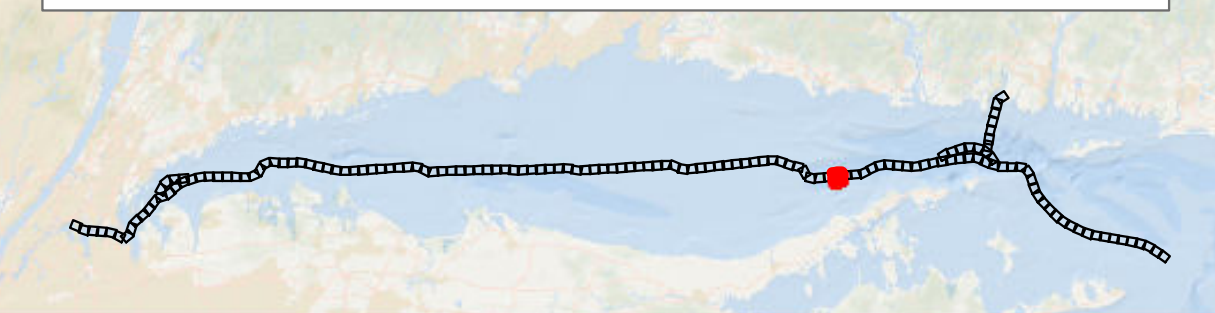


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

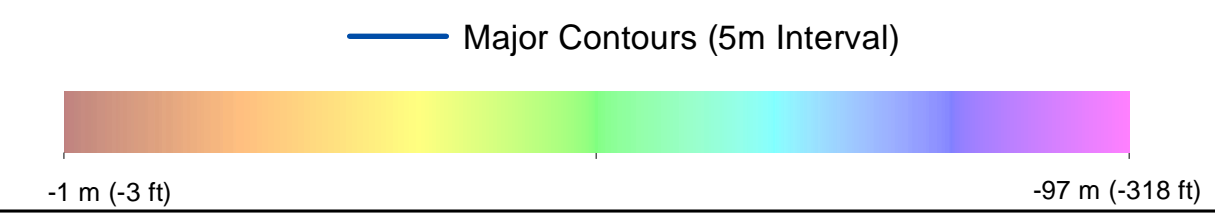


# Map Book Package for Submarine Export Cable Route in State Waters

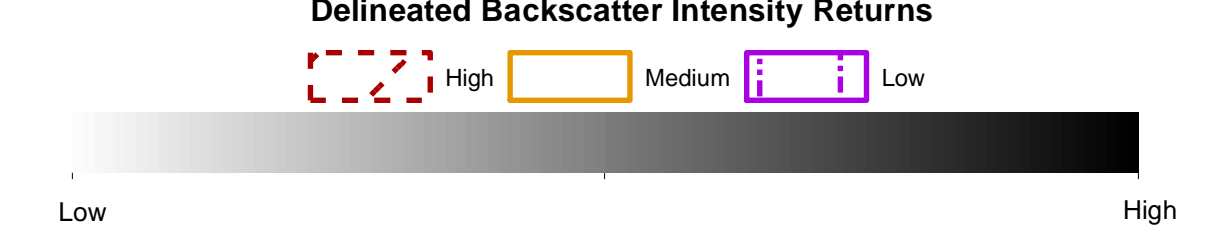


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar



## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

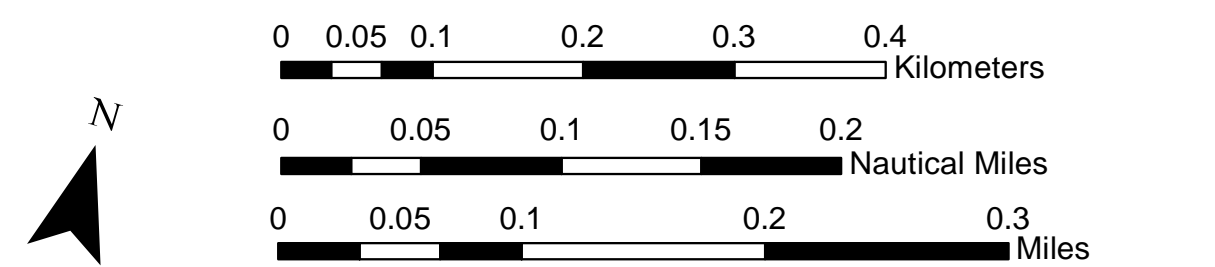
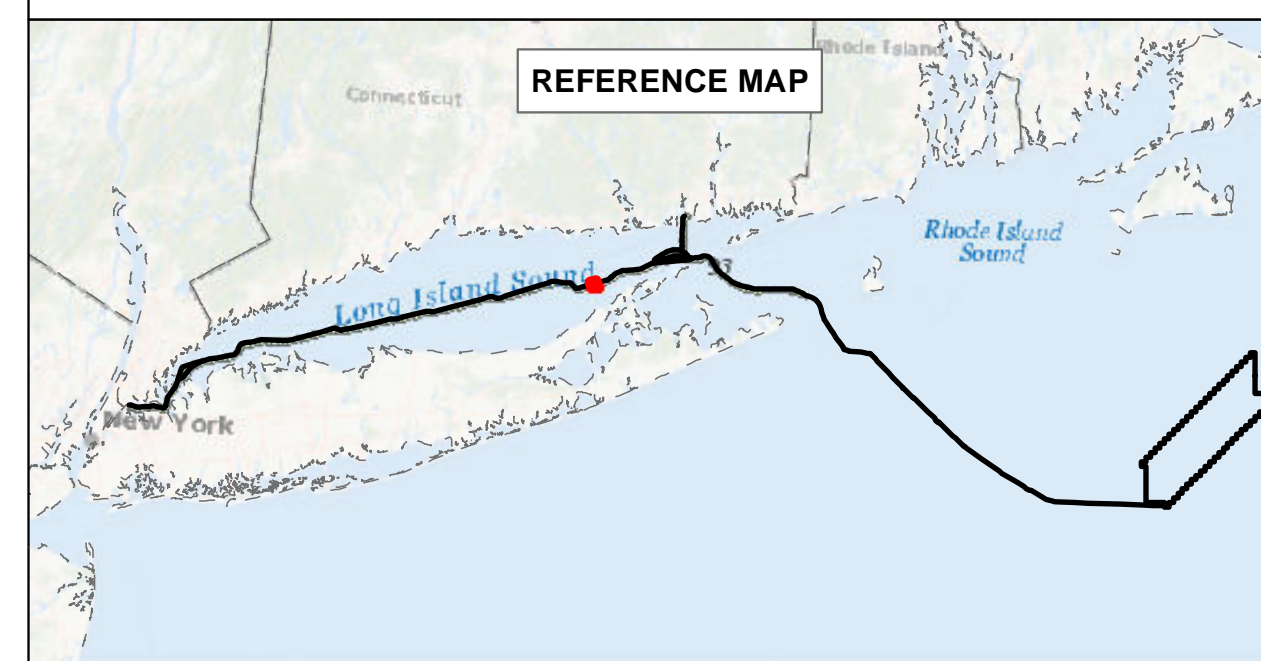
- Station Type**
- ◆ SPI/PV
- CMECS Substrate**
- Gravelly
- Benthic Features**
- ▨ Megaripples
  - ▨ Waves
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Sand and Muddy Sand/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

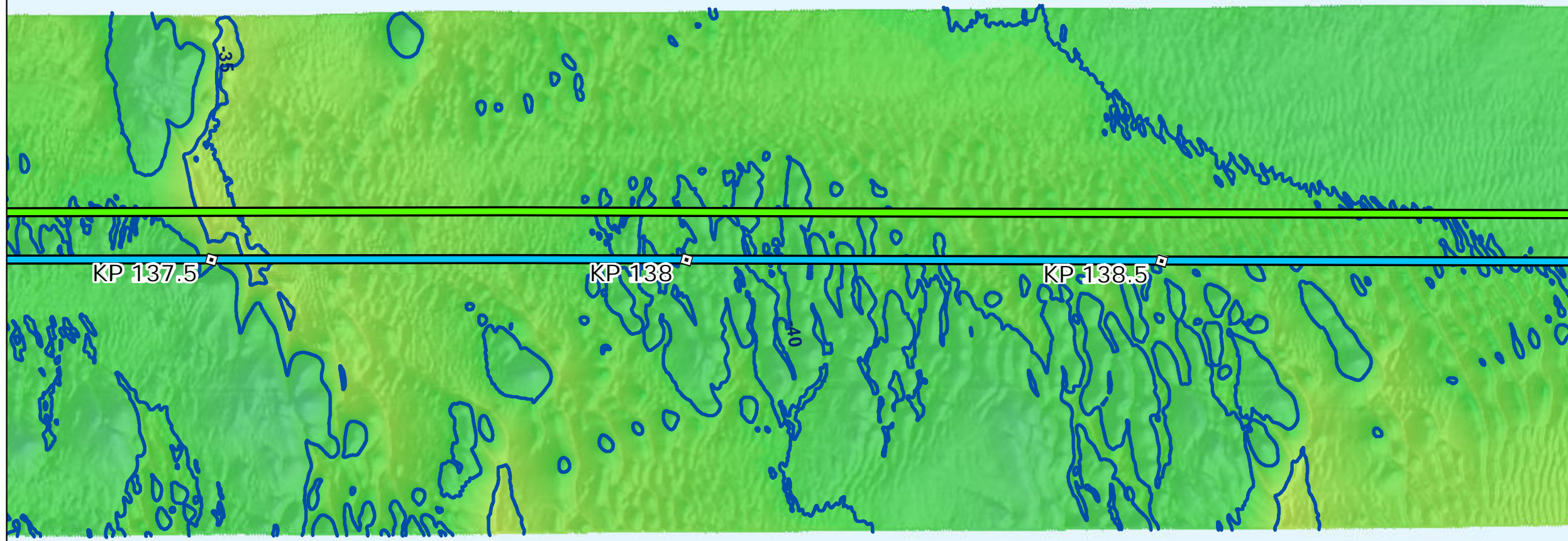
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 96

BW1 (NY) - KP 136 - KP 137  
BW2 (NY) - KP 136 - KP 137  
BW2 (CT) - N/A



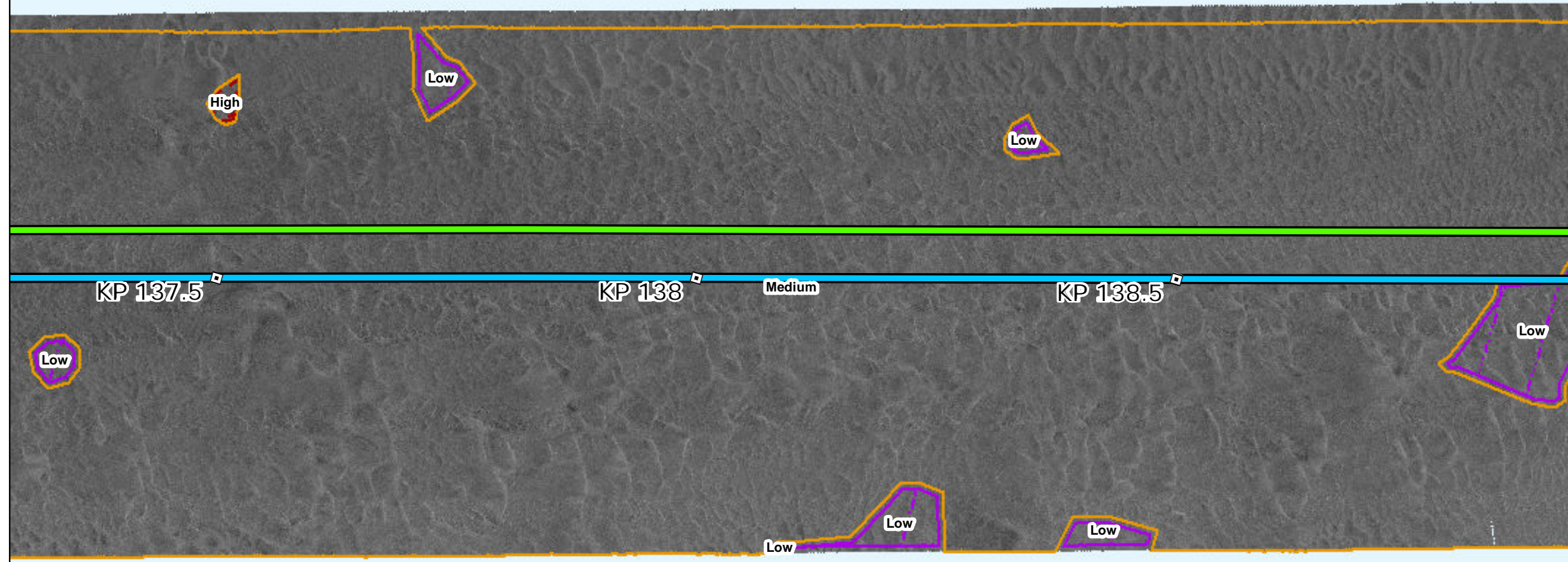
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



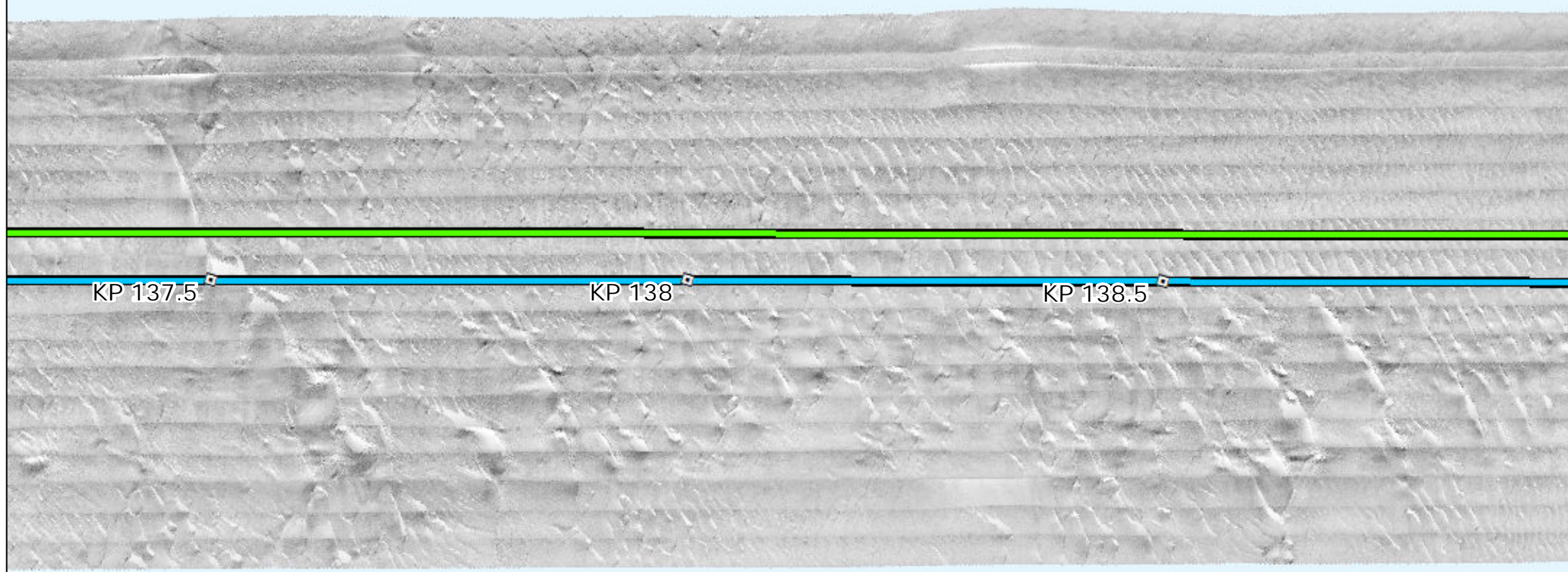
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



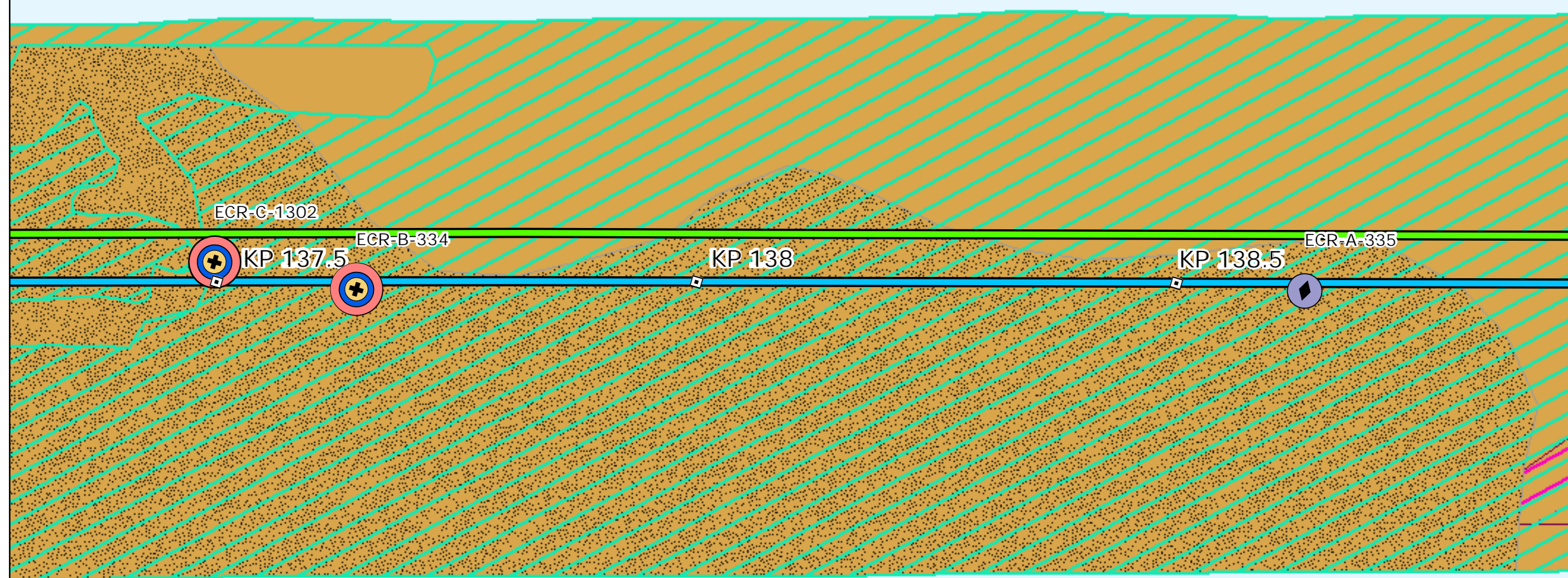
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

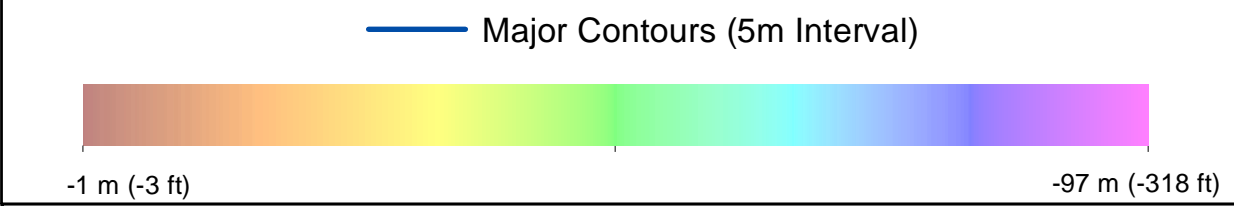


# Map Book Package for Submarine Export Cable Route in State Waters

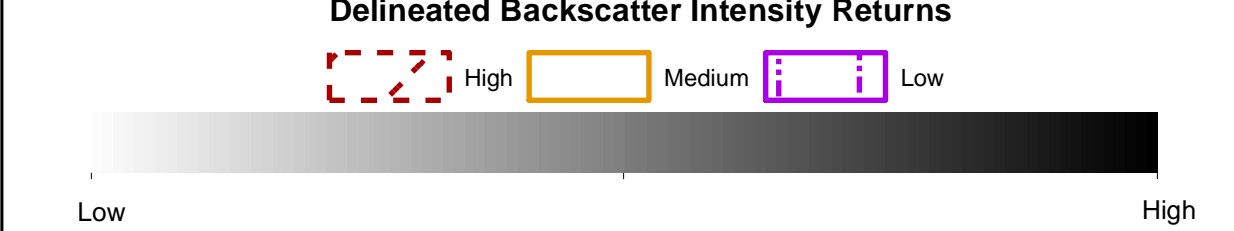


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar

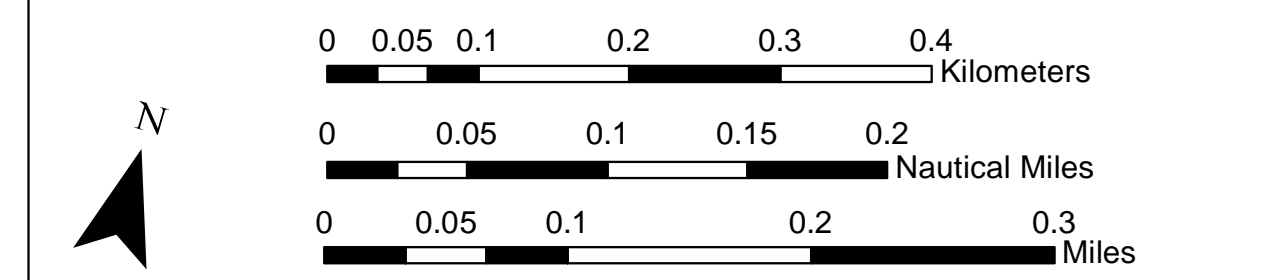
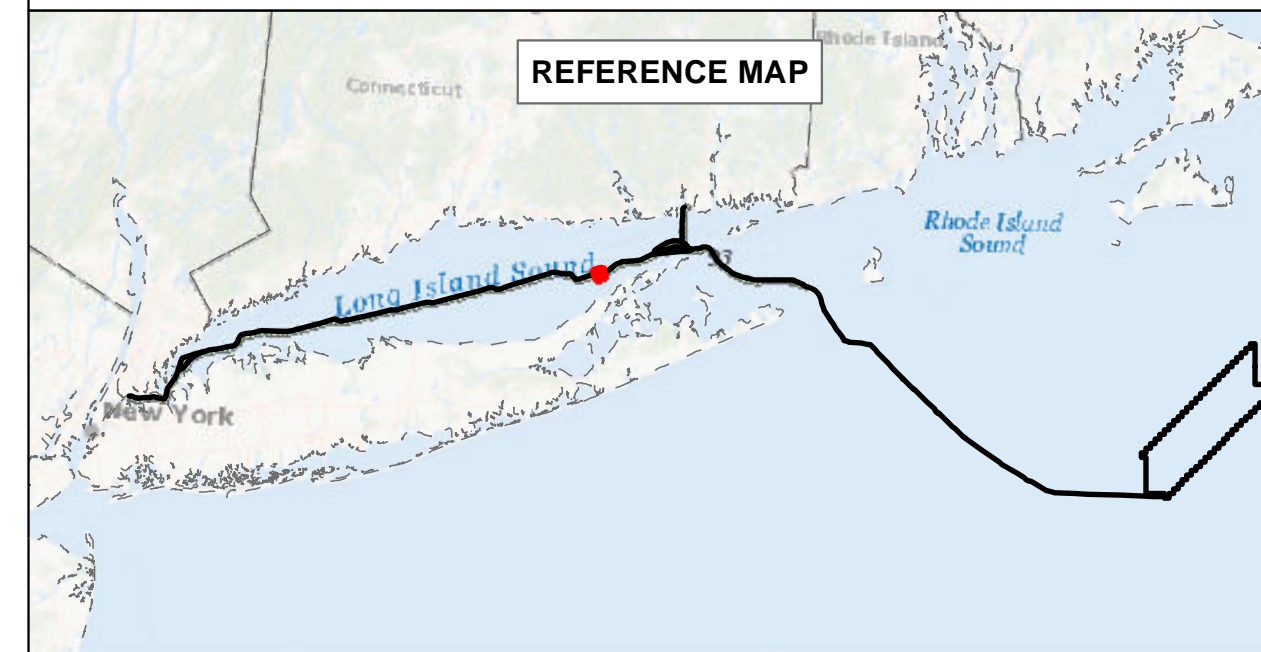


## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - Grab and Video
  - SPI/PV
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Gravelly
  - Muddy Sand
- CMECS Geoform**
  - Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Sand and Muddy Sand/Soft Bottom Habitat
- Benthic Features**
  - Megaripples
  - Sand Ripples
  - Waves

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



# BEACON WIND LEASE AREA OCS-A 0520

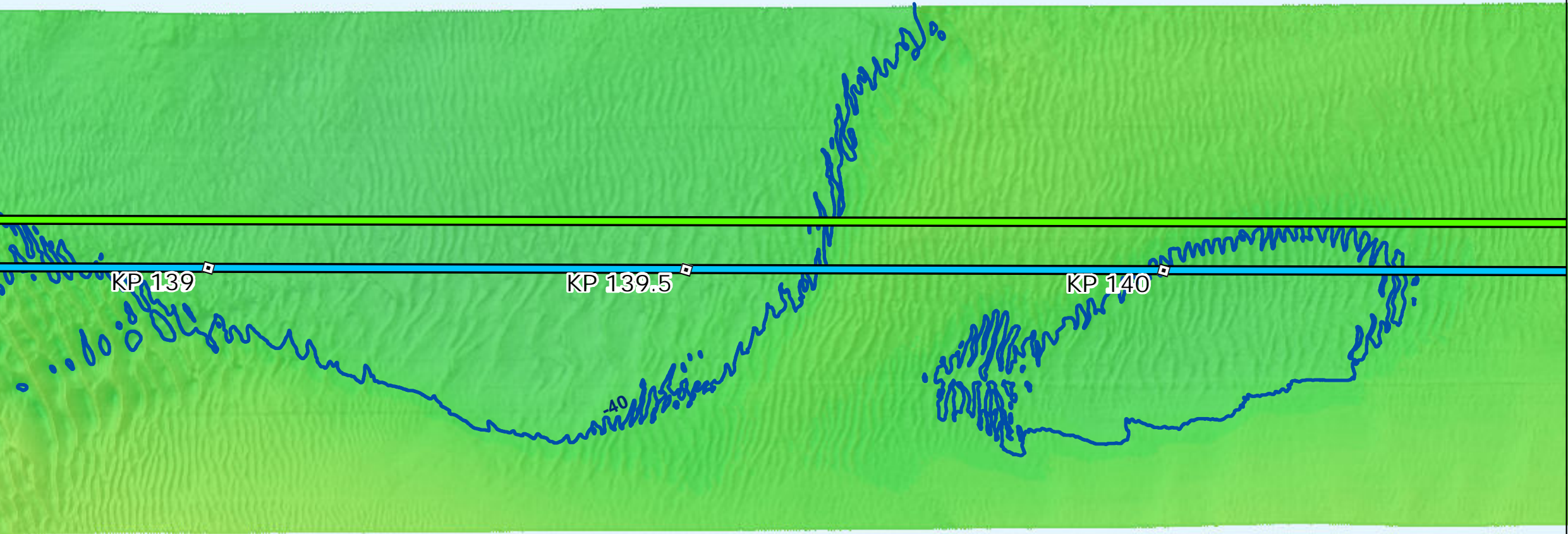
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 97

BW1 (NY) - KP 137.5 - KP 138.5  
BW2 (NY) - KP 137.5 - KP 138.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



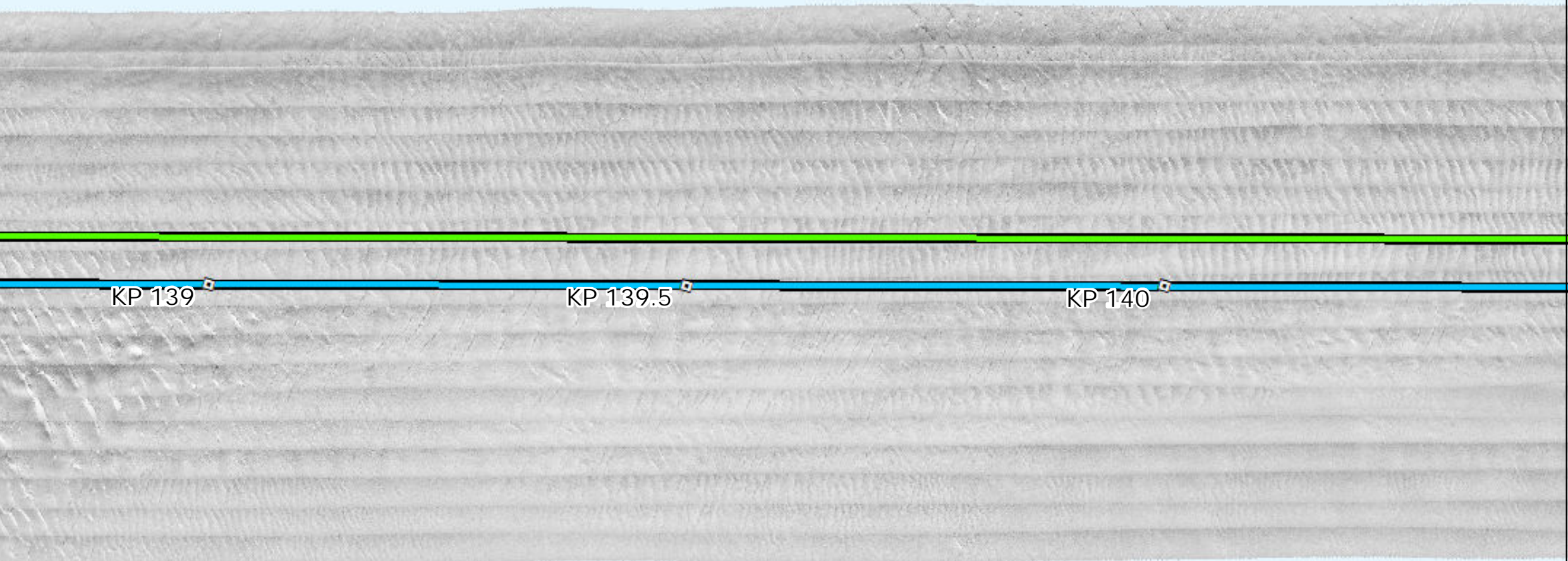
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

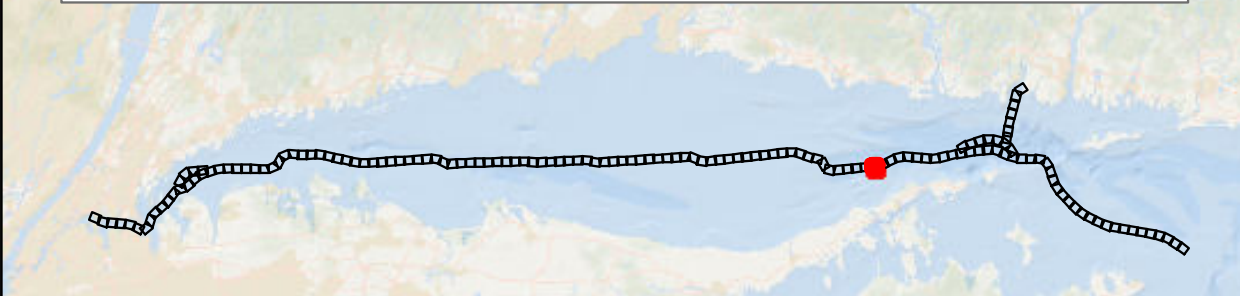


# Interpreted Seabed Sediment/NMFS Habitat Characterization

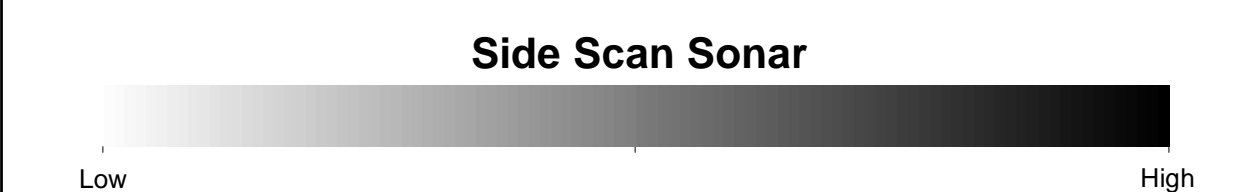
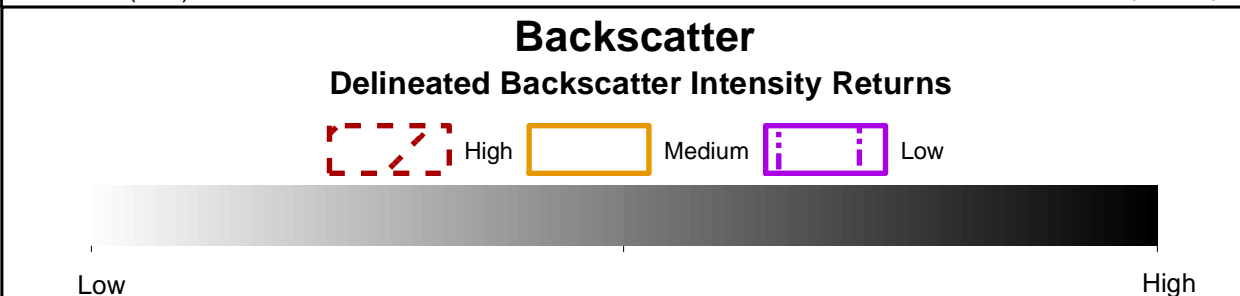
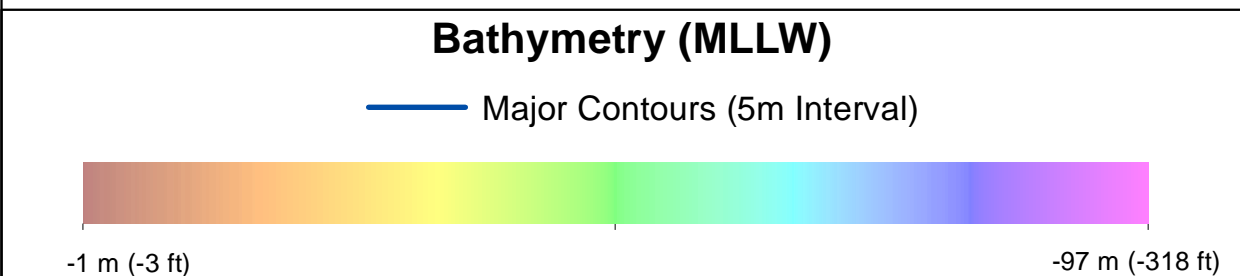
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

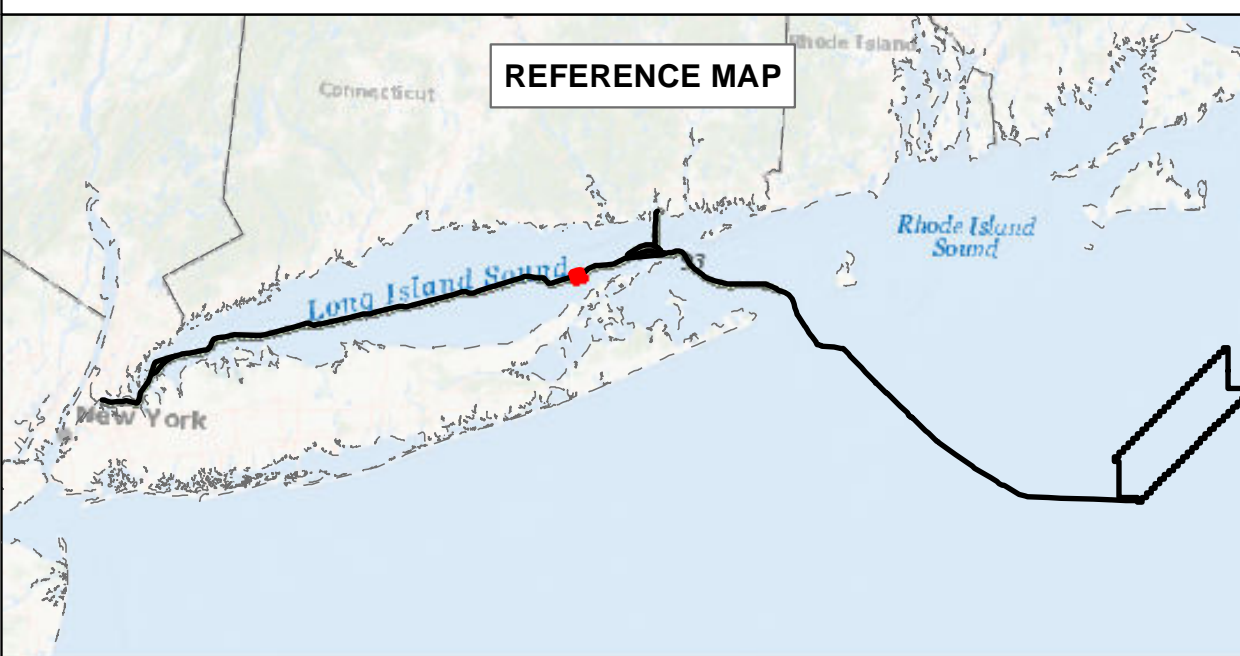


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |   |  |
|---|--|
| <b>Station Type</b>   | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b>   |
| <span style="color: blue;">+</span> Grab and Video                            | <span style="background-color: orange; border: 1px solid orange; padding: 2px;"> </span> Sand and Muddy Sand/Soft Bottom Habitat |
| <b>CMECS Biotic</b>   | <span style="background-color: yellow; border: 1px solid yellow; padding: 2px;"> </span> Soft Sediment Fauna                     |
| <span style="color: blue;">●</span> Muddy Sand                                | <span style="background-color: brown; border: 1px solid brown; padding: 2px;"> </span> Sand/Soft Bottom Habitat                  |
| <b>CMECS Substrate</b>  | <span style="color: red;">●</span> Burrows/Bioturbation  |
| <span style="color: blue;">●</span> Muddy Sand                                |  |
| <b>CMECS Geofom</b>   |  |
| <span style="color: red;">●</span> Burrows/Bioturbation                       |  |
| <b>Benthic Features</b>   |  |
| <span style="border: 2px dashed cyan; padding: 2px;"> </span> Megaripples     |  |
| <span style="border: 2px dashed magenta; padding: 2px;"> </span> Sand Ripples |  |
| <span style="border: 2px dashed grey; padding: 2px;"> </span> Waves           |  |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

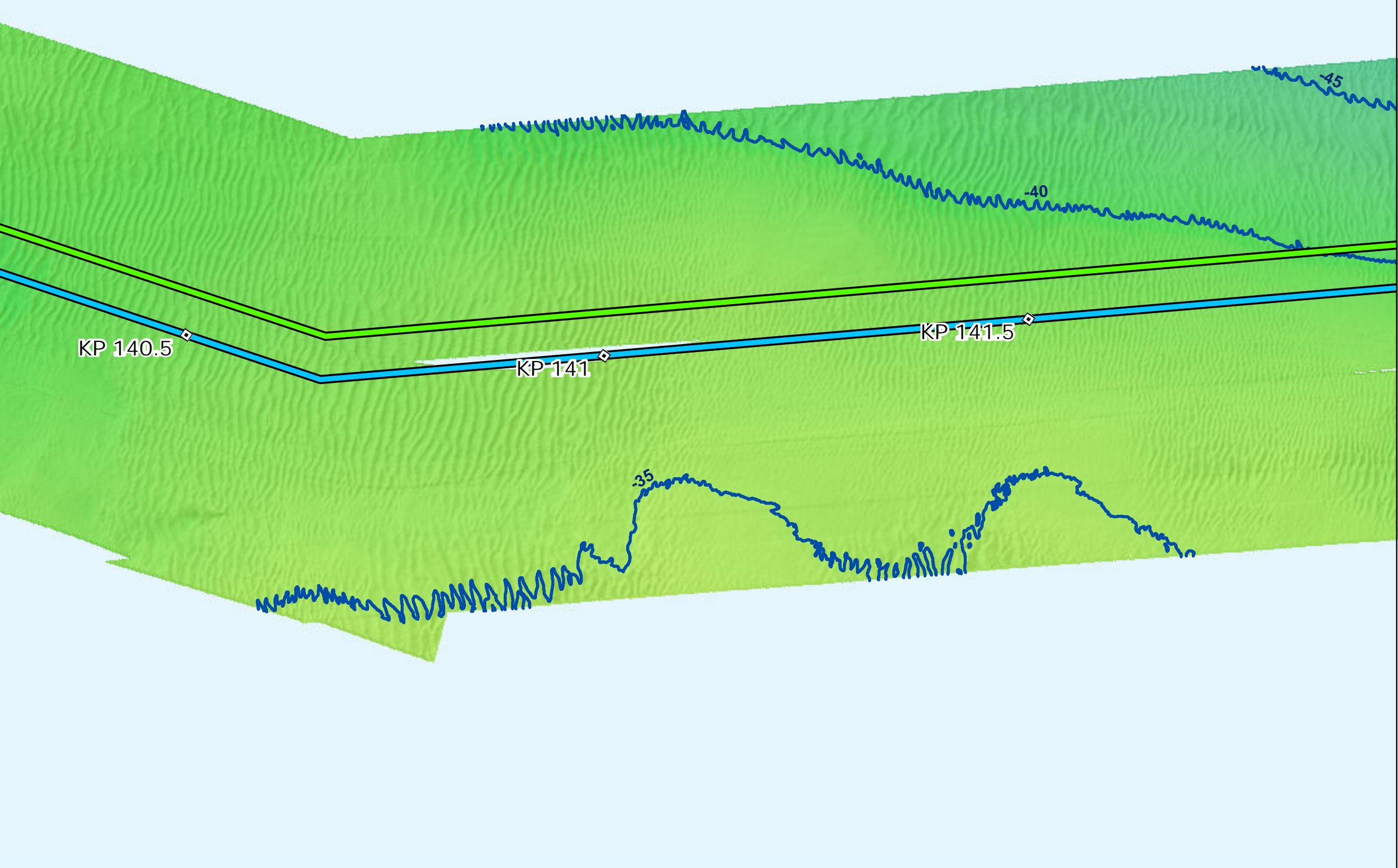
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 98

BW1 (NY) - KP 139 - KP 140  
BW2 (NY) - KP 139 - KP 140  
BW2 (CT) - N/A



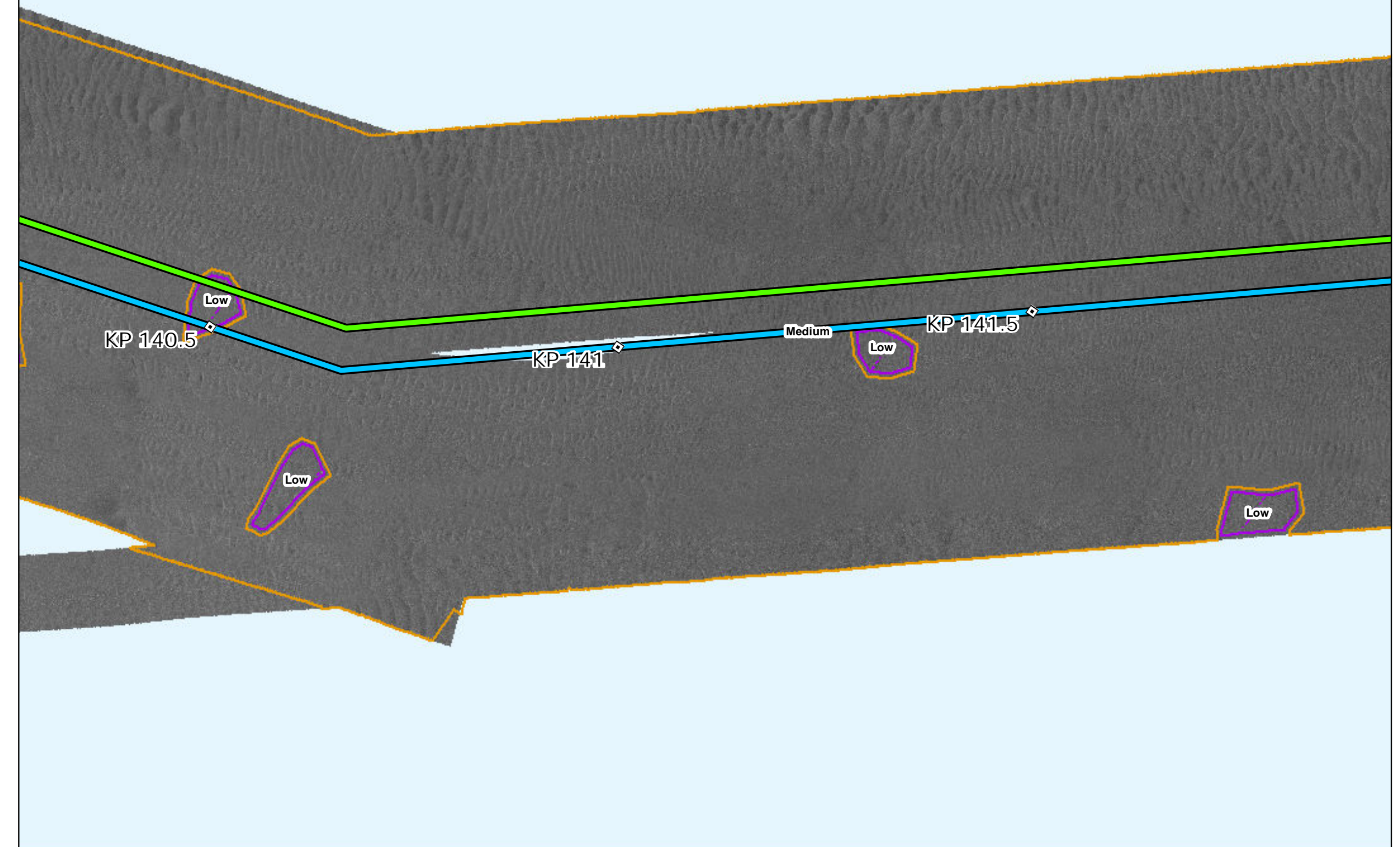
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



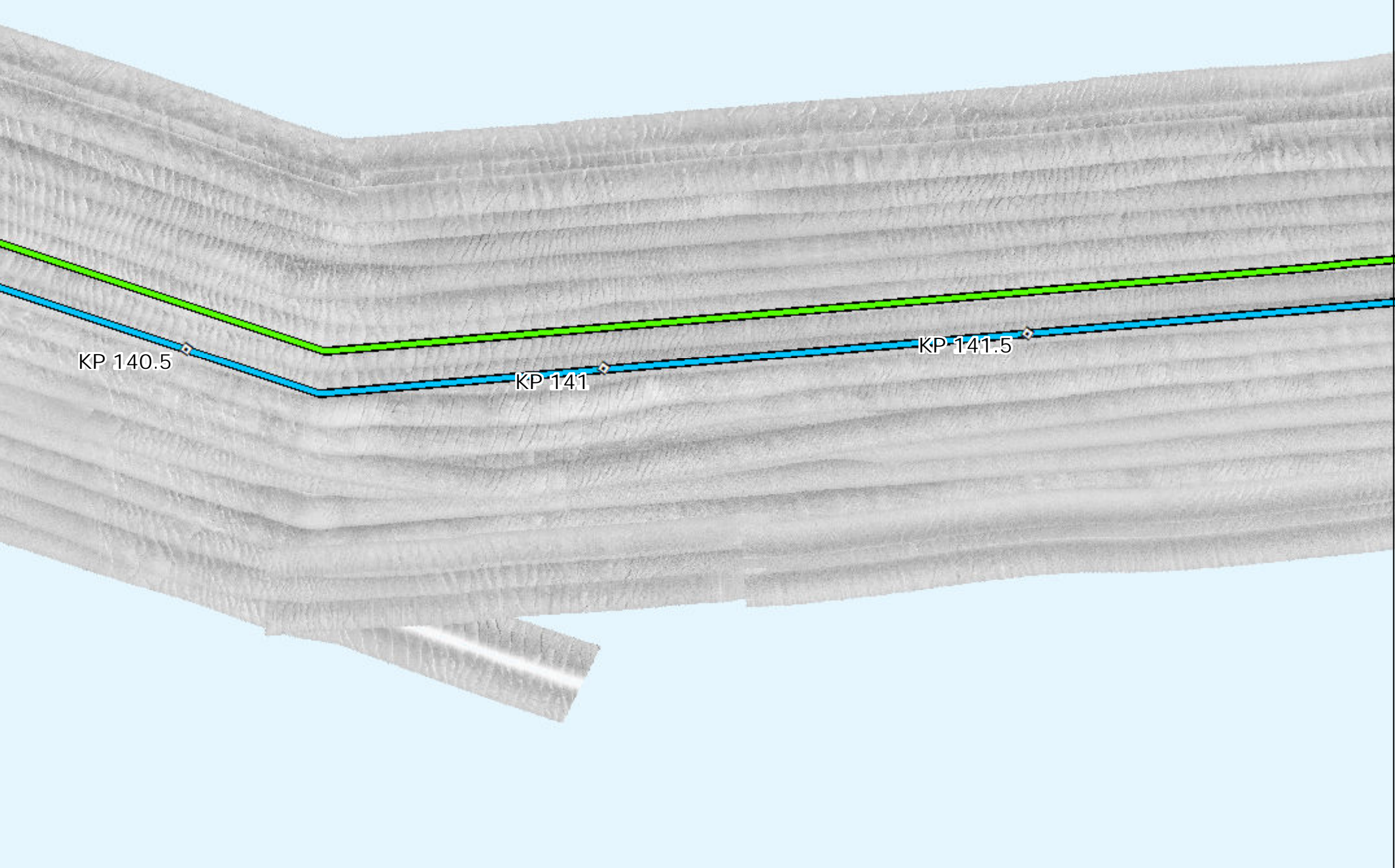
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



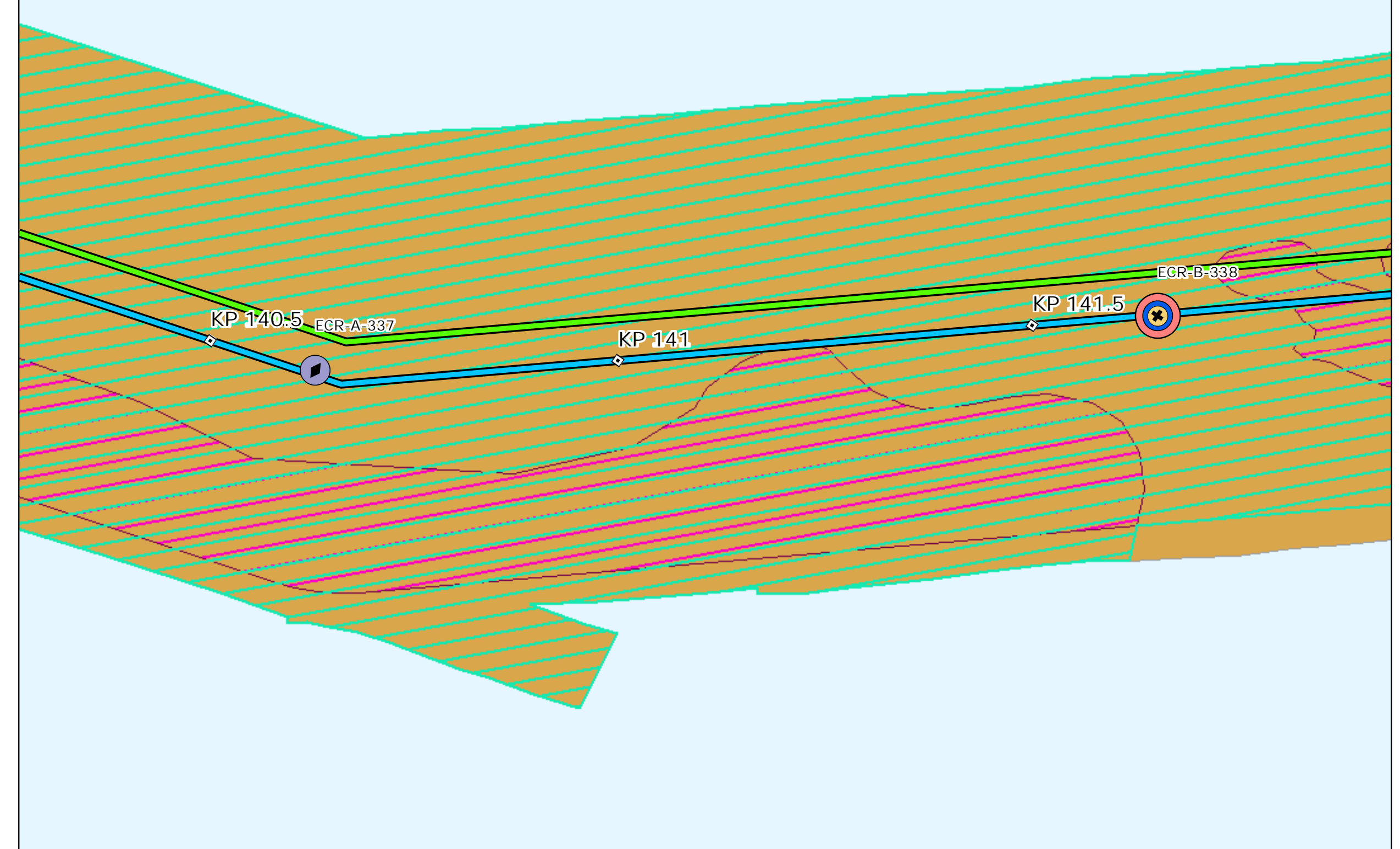
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

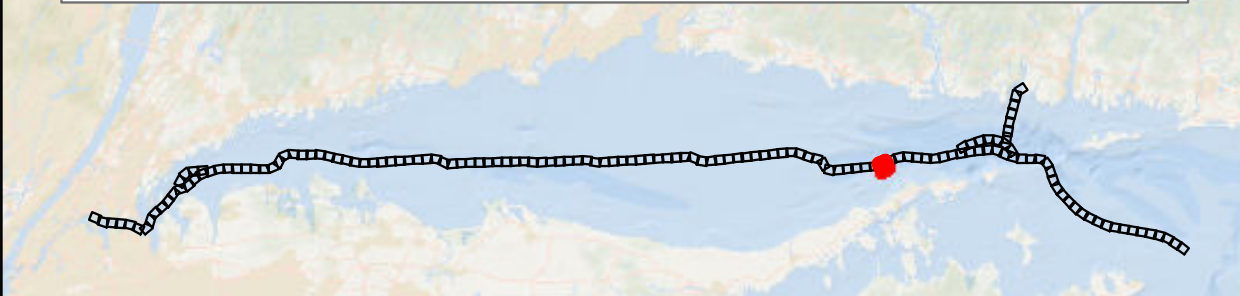


# Interpreted Seabed Sediment/NMFS Habitat Characterization

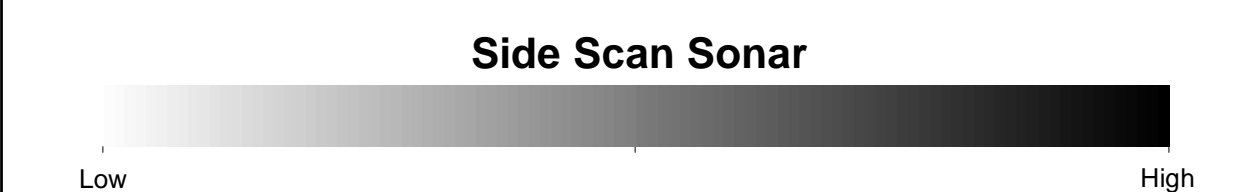
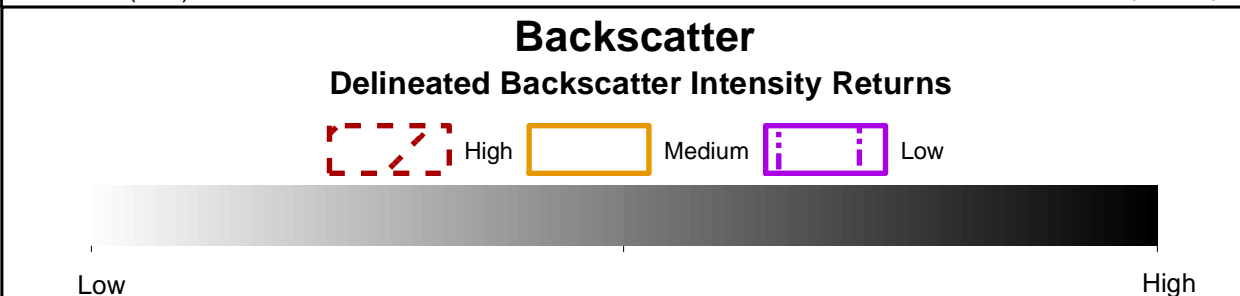
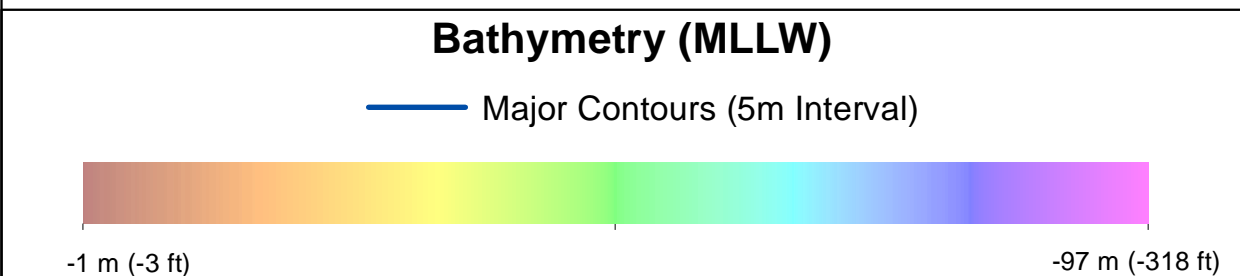
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

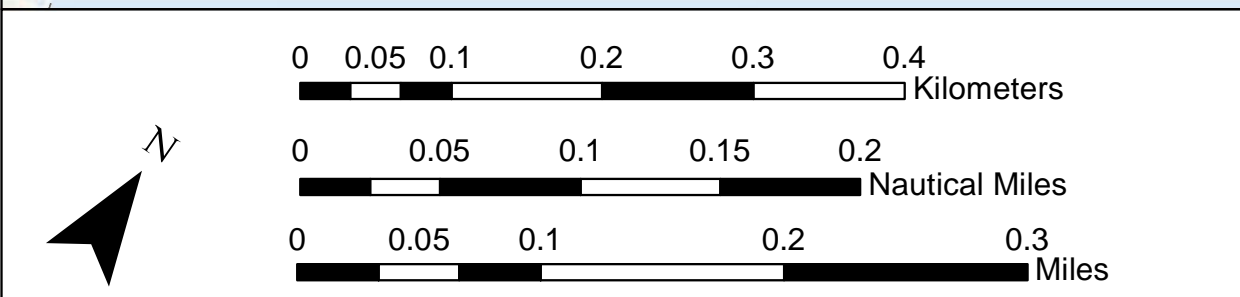
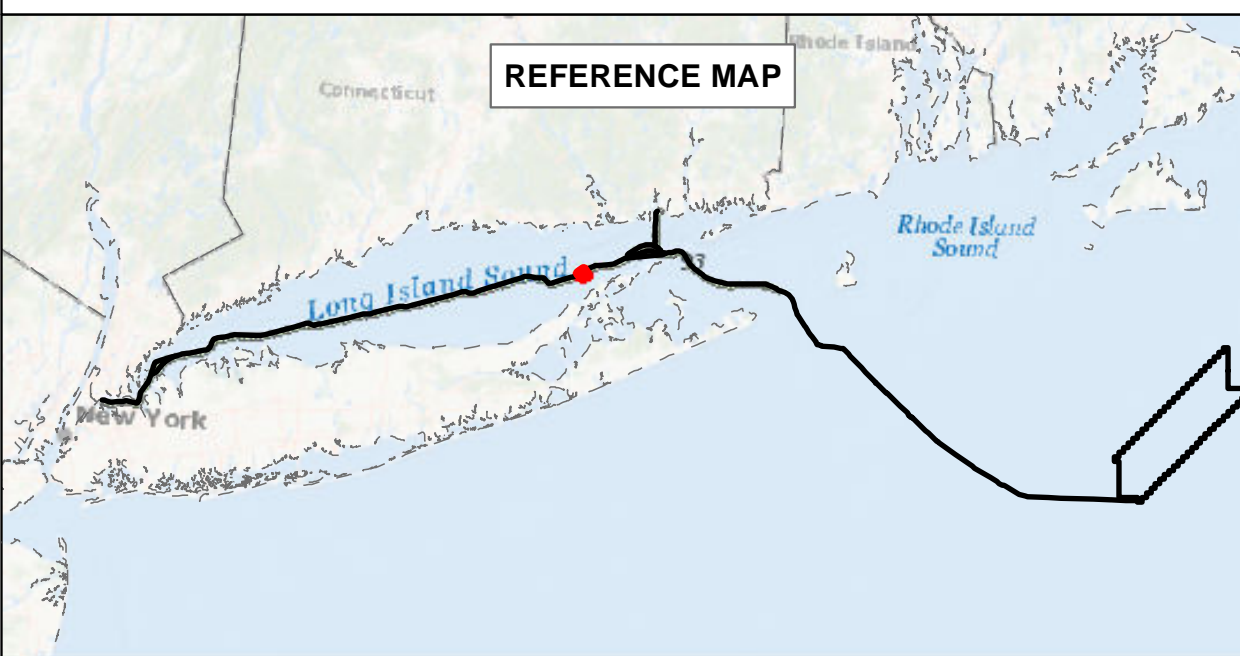


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ◆ SPI/PV                |  |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Gravelly              |  |
| ● Muddy Sand            |  |
| <b>CMECS Geomorph</b>   |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

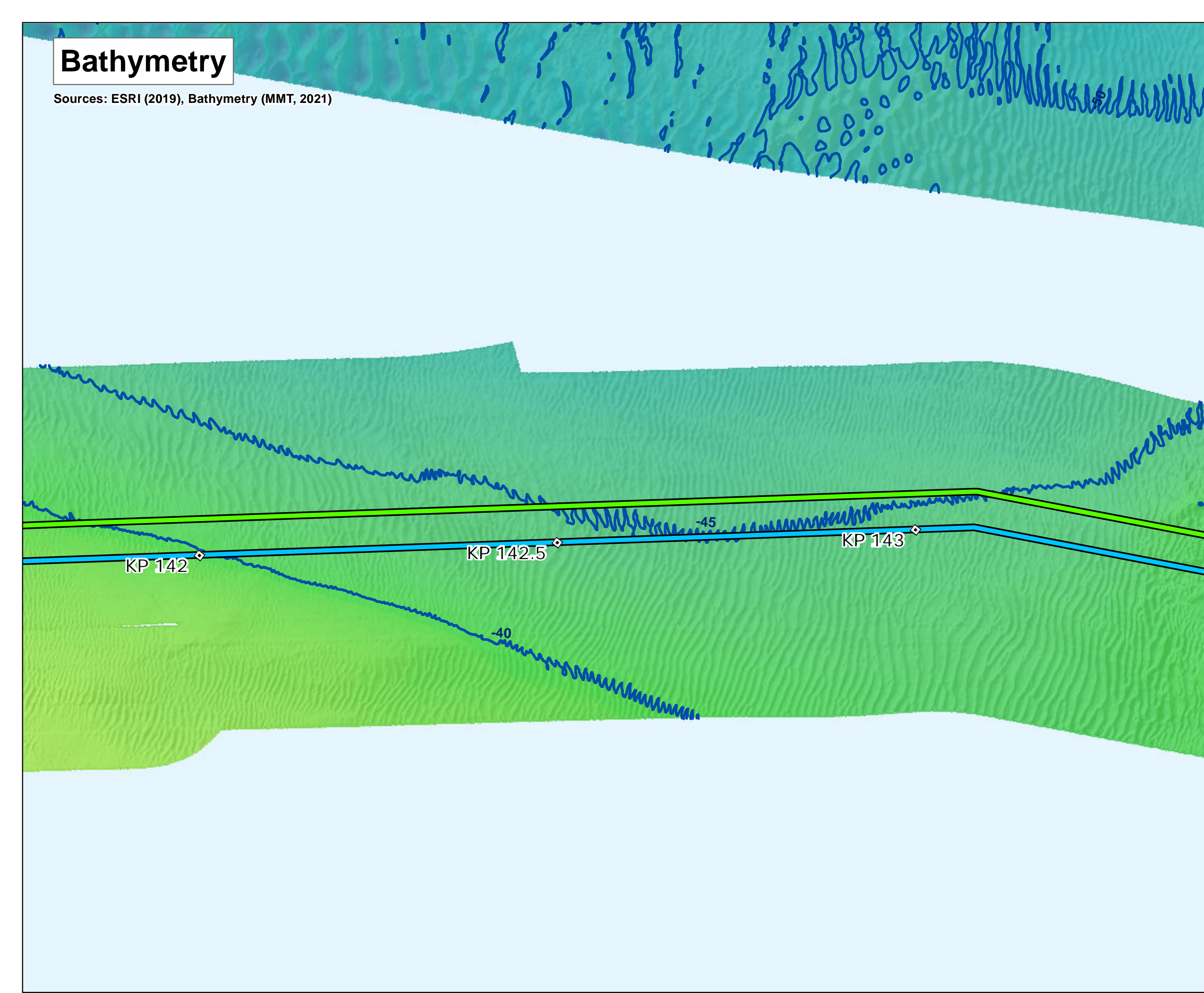
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 99

BW1 (NY) - KP 140.5 - KP 141.5  
BW2 (NY) - KP 140.5 - KP 141.5  
BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



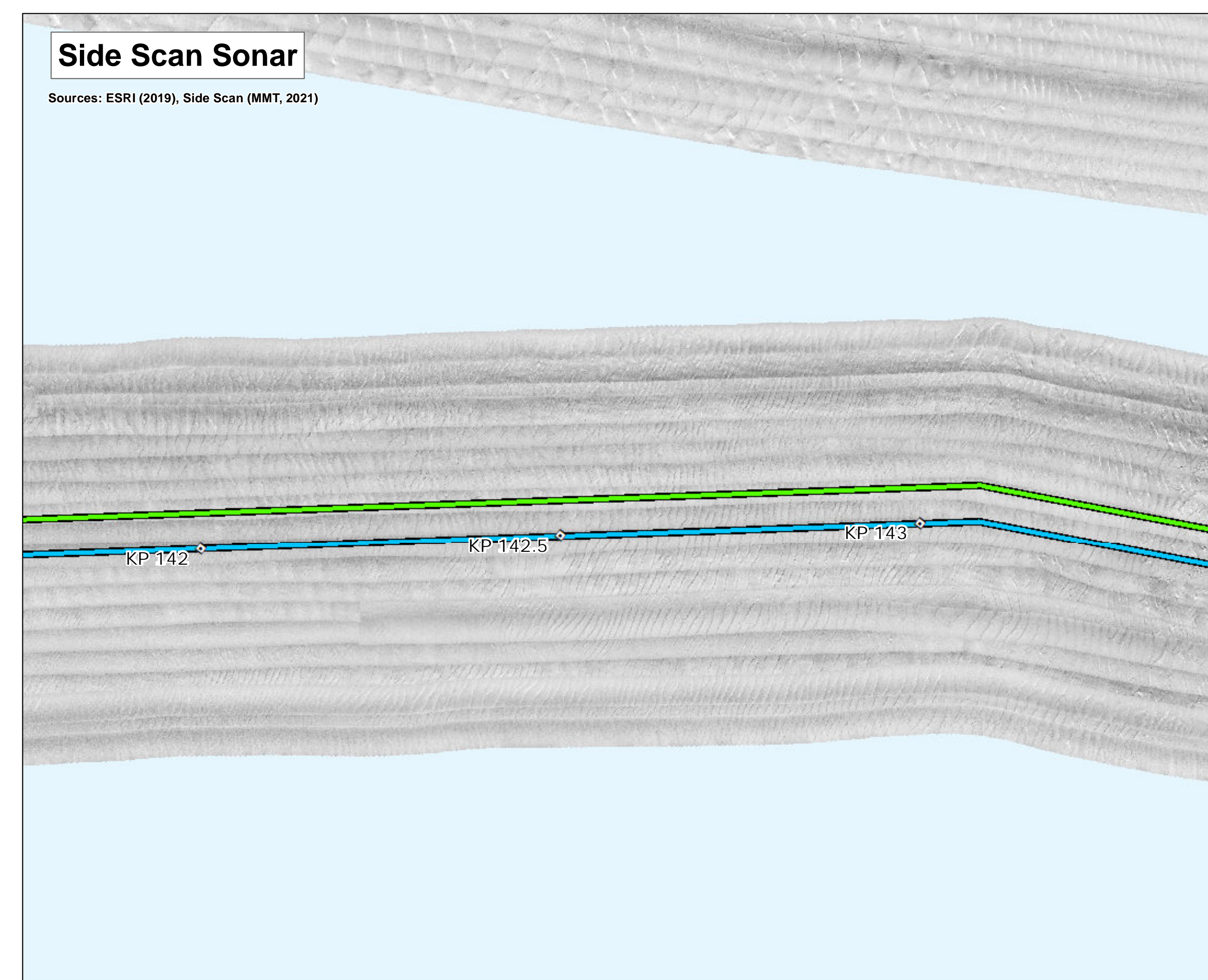
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



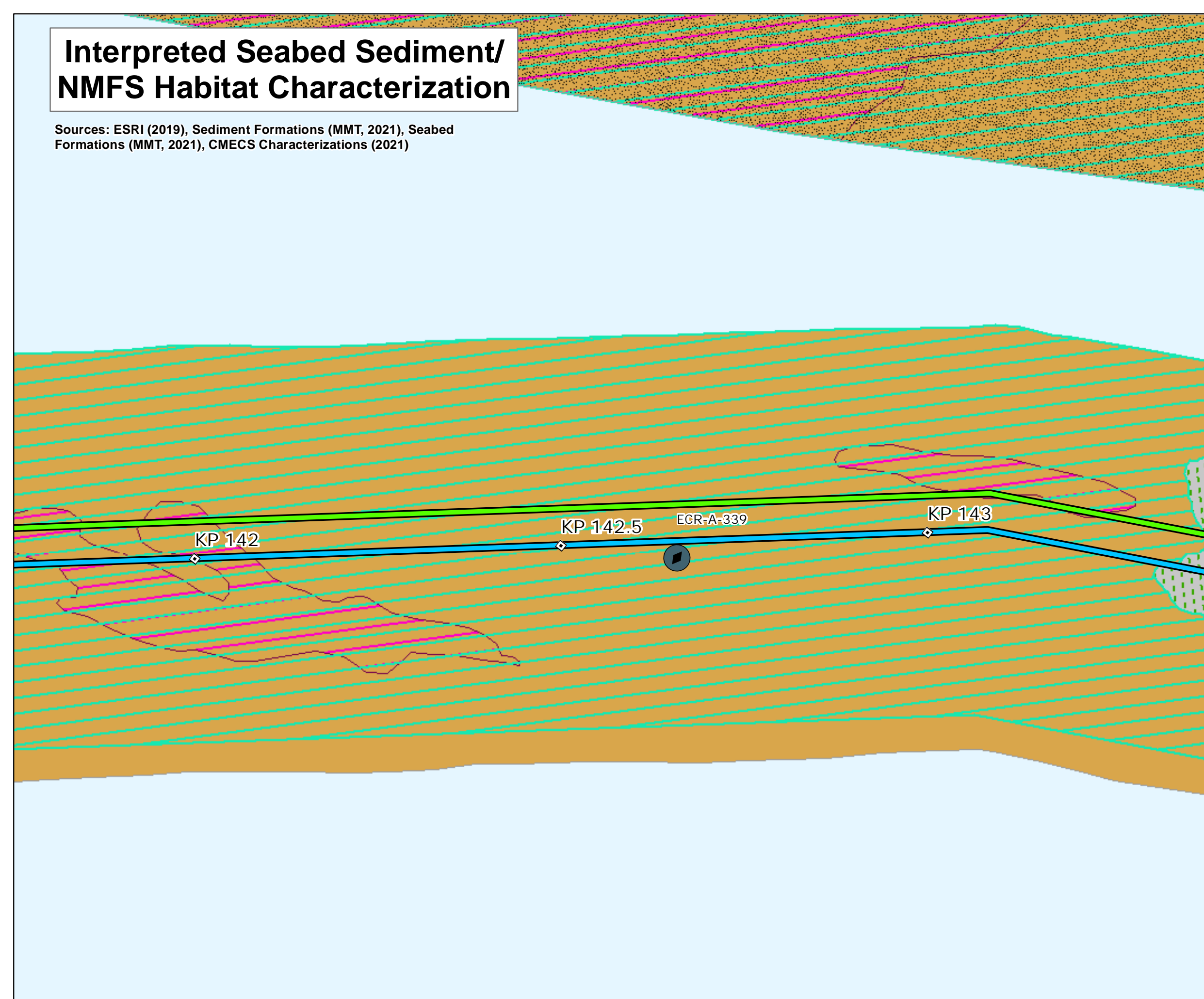
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

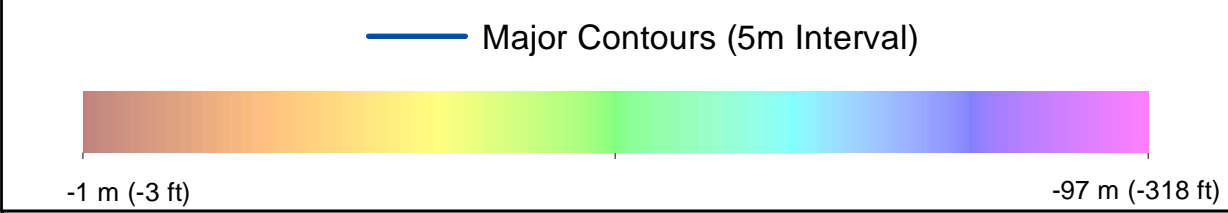


### Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter

##### Delineated Backscatter Intensity Returns



#### Side Scan Sonar



#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

##### Station Type

- ◆ SPI/PV

##### CMECS Substrate

- Sand

##### Benthic Features

- ▨ Megaripples
- ▨ Sand Ripples
- ▨ Waves

##### Interpreted Seabed Sediment/NMFS Habitat Characterization

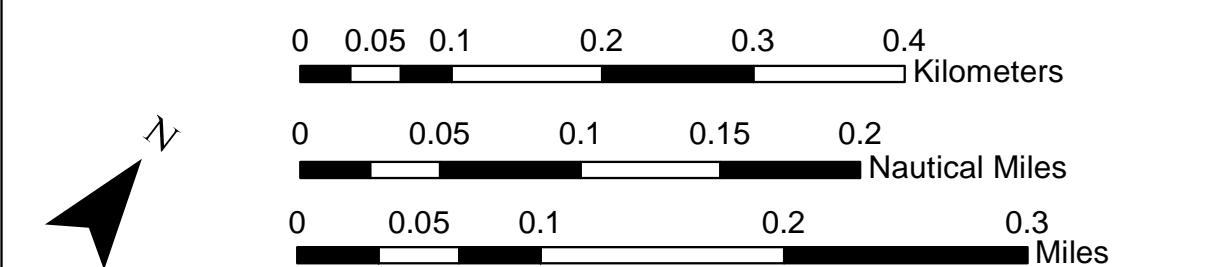
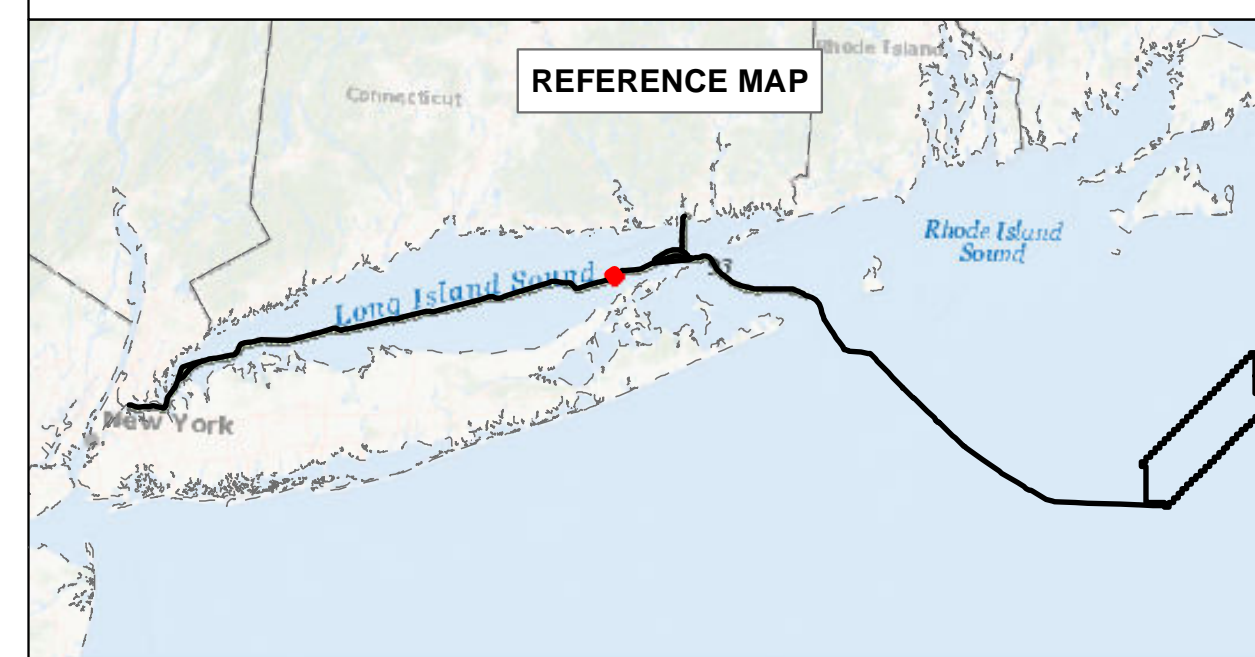
- Sand and Muddy
- Sand/Soft Bottom Habitat
- Till/Complex Habitat
- ▨ Numerous Boulders/Large Grained Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023

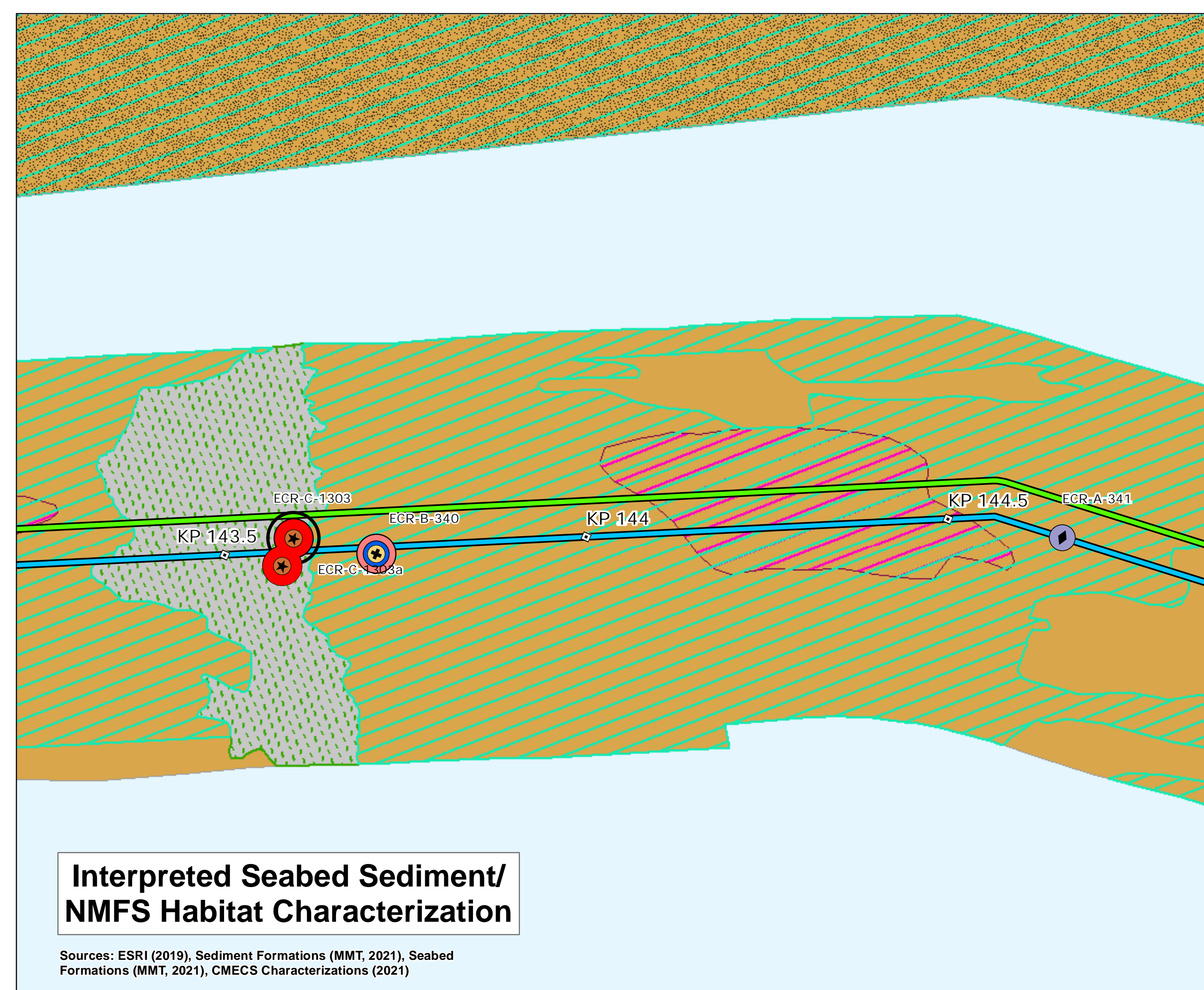
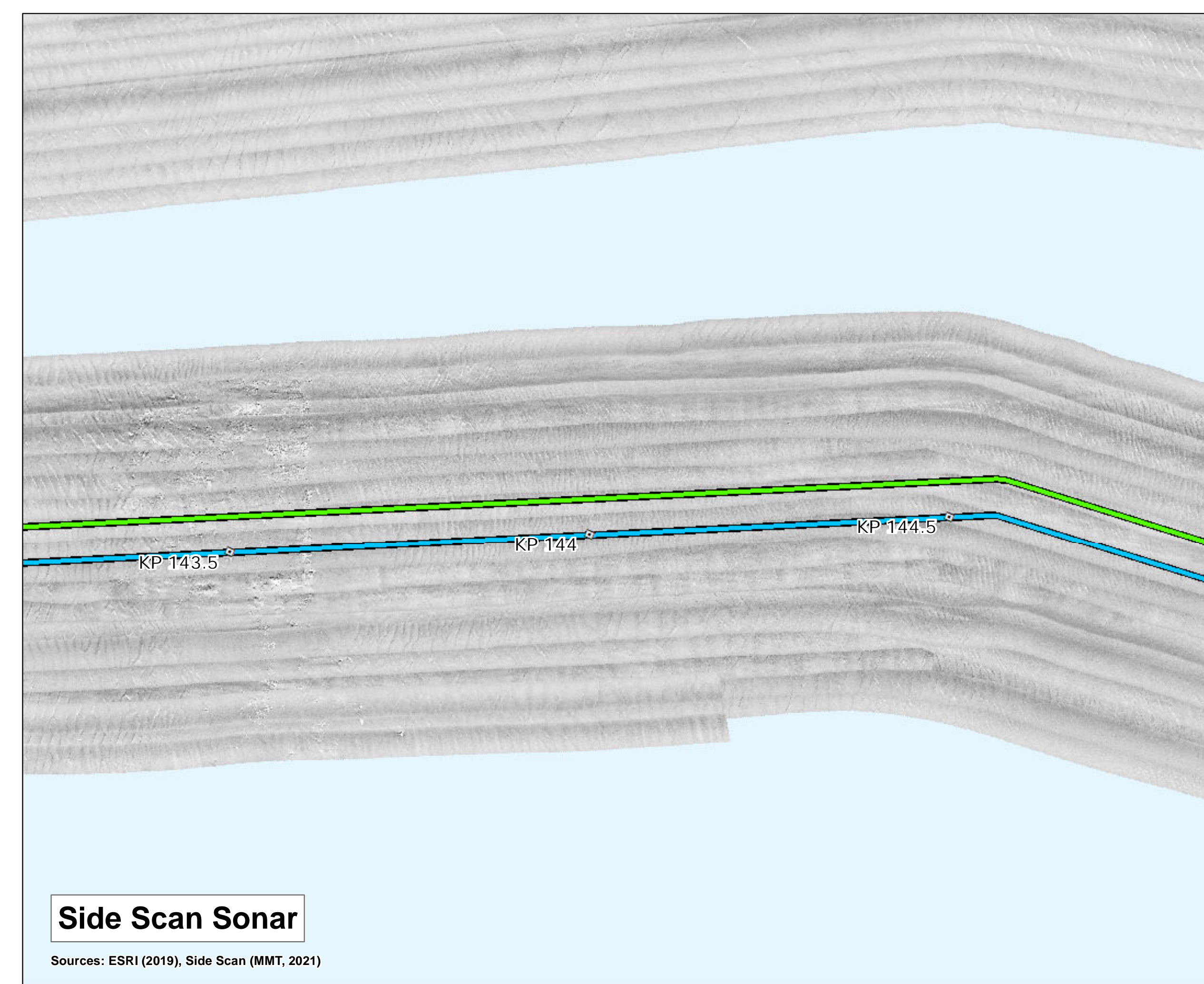
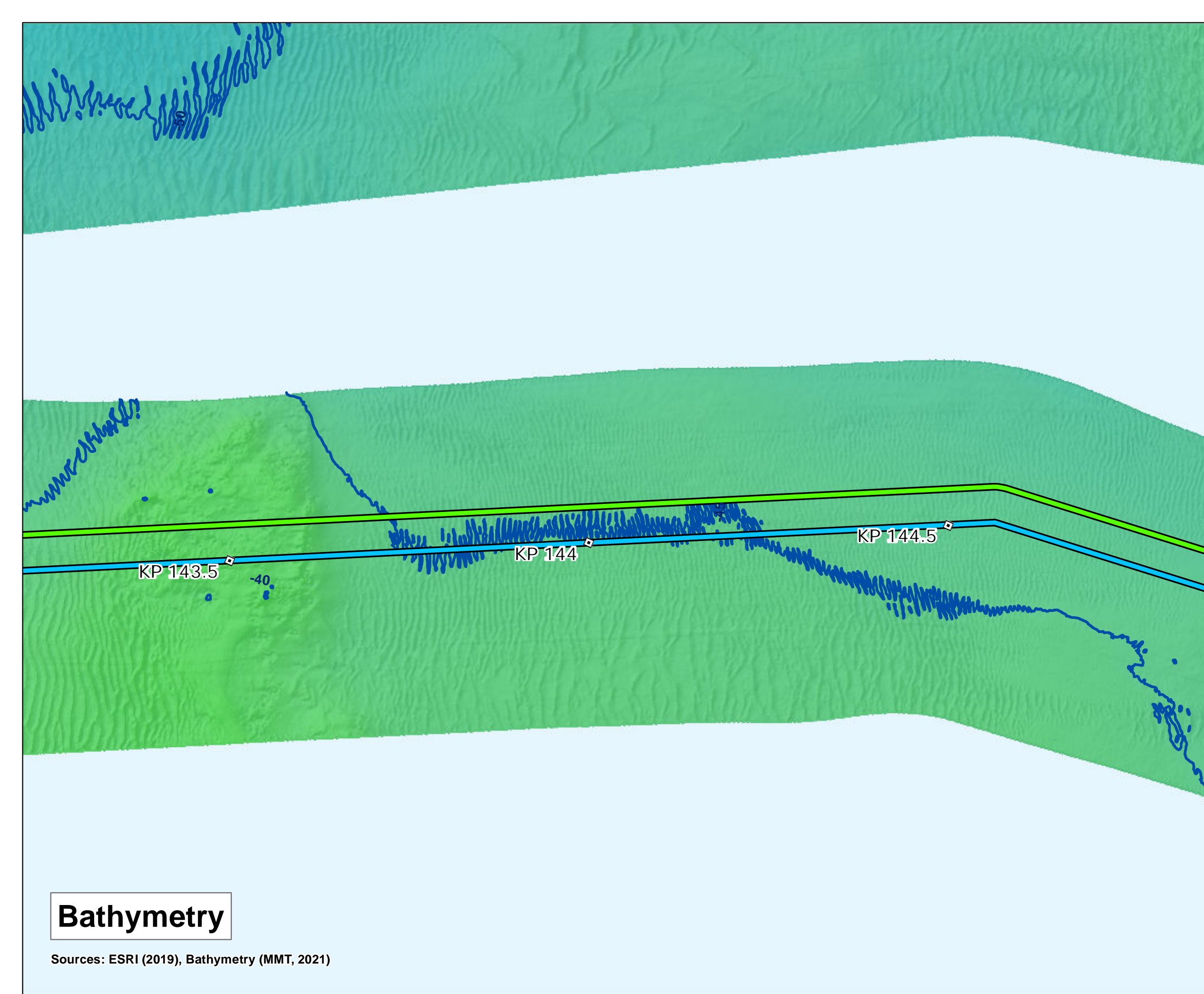


### BEACON WIND LEASE AREA OCS-A 0520

#### Map Book Package for Submarine Export Cable Route in State Waters Tile 100

BW1 (NY) - KP 142 - KP 143  
 BW2 (NY) - KP 142 - KP 143  
 BW2 (CT) - N/A





**Map Book Package for Submarine Export Cable Route in State Waters**

□ BW1 and BW2 KPs  
 ■ BW1 Submarine Export Cable Route (v13)  
 ■ BW2 Submarine Export Cable Route (v13)

**Bathymetry (MLLW)**  
 — Major Contours (5m Interval)  
 -1 m (-3 ft) to -97 m (-318 ft)

**Backscatter**  
 Delineated Backscatter Intensity Returns  
 High Medium Low

**Side Scan Sonar**  
 Low High

**Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**

<b>Station Type</b> + Grab and Video ◆ SPI/PV ★ Video	○ Northern Star Coral
<b>CMECS Biotic</b> ● Large Macrofauna ● Soft Sediment Fauna	<b>Benthic Features</b> ■ Megaripples ■ Sand Ripples ■ Waves
<b>CMECS Substrate</b> ● Gravelly ● Muddy Sand	<b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> ■ Sand and Muddy Sand/Soft Bottom Habitat ■ Till/Complex Habitat
<b>CMECS Geofom</b> ● Boulder Field ● Burrows/Bioturbation	■ Numerous Boulders/Large Grained Complex Habitat

Note:  
 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
 Date: 3/1/2023  
 Scale: 1:5000

**REFERENCE MAP**

0 0.05 0.1 0.2 0.3 0.4 Kilometers  
 0 0.05 0.1 0.15 0.2 Nautical Miles  
 0 0.05 0.1 0.2 0.3 Miles

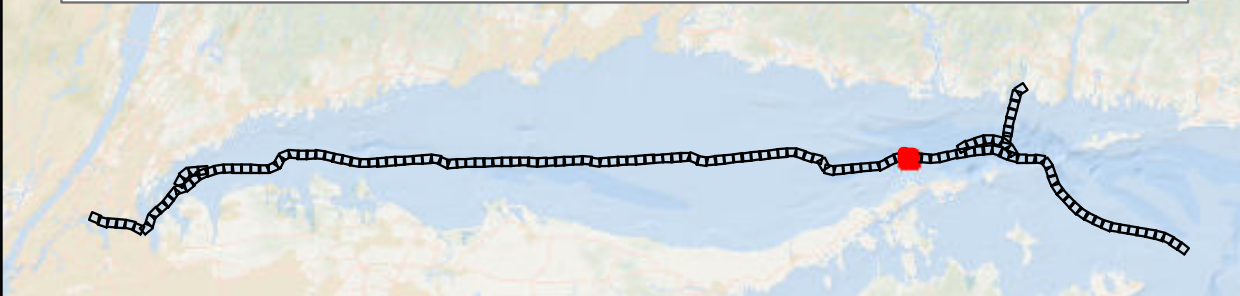
**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 101

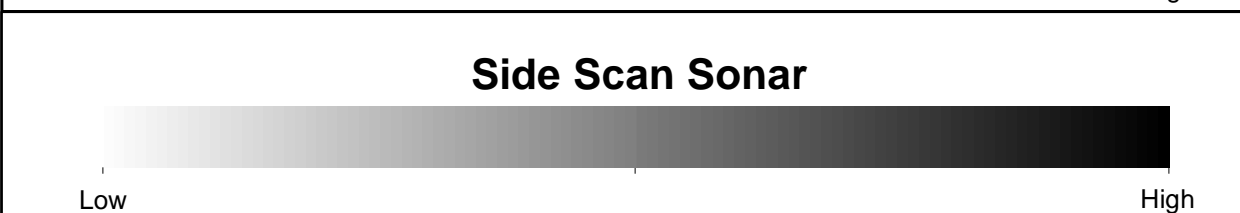
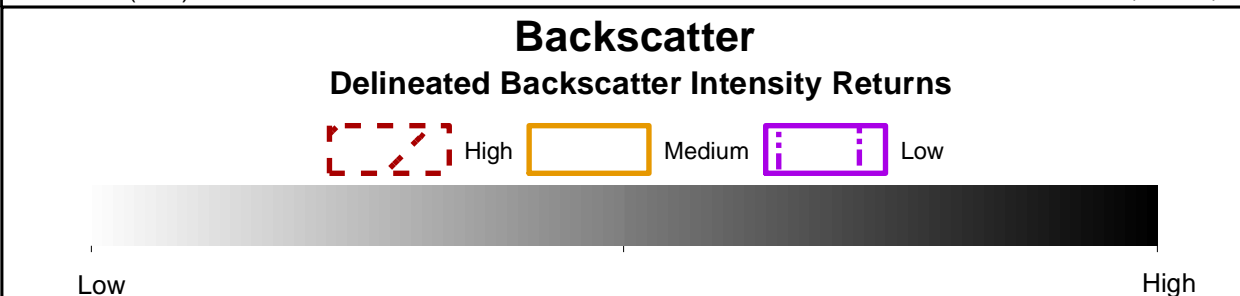
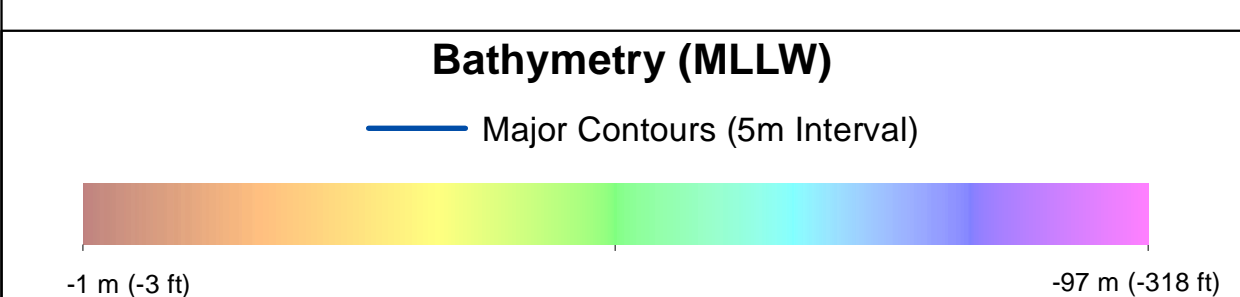
BW1 (NY) - KP 143.5 - KP 144.5  
 BW2 (NY) - KP 143.5 - KP 144.5  
 BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**



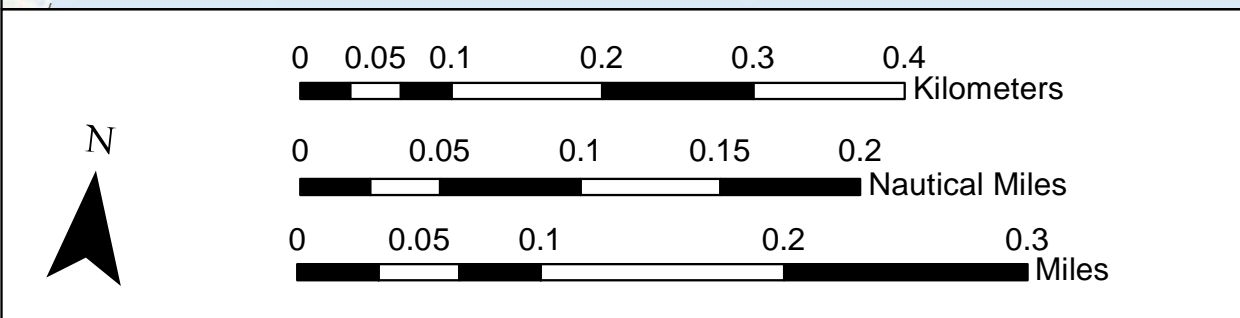
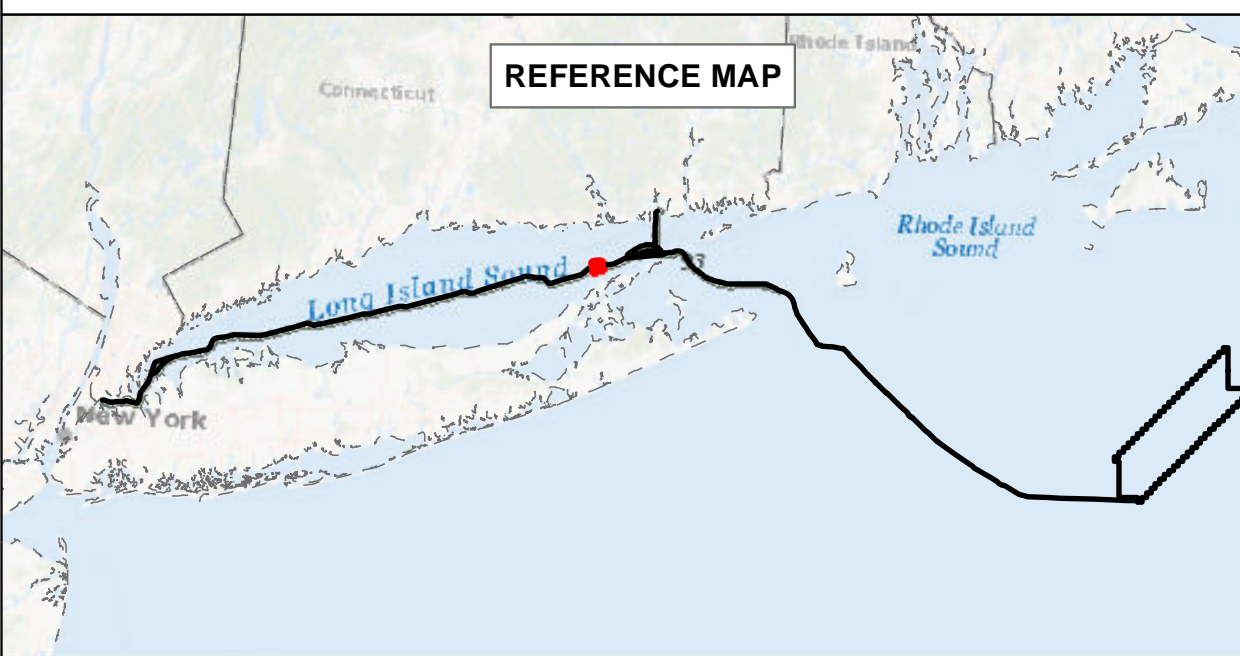
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✚ Grab and Video        |  |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Substrate</b>  |  |
| ● Gravelly              |  |
| ● Muddy Sand            |  |
| <b>CMECS Geofom</b>     |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |
| ▨ Waves                 |  |

Note:  
1) Legend only shows items visible in the current map extent.

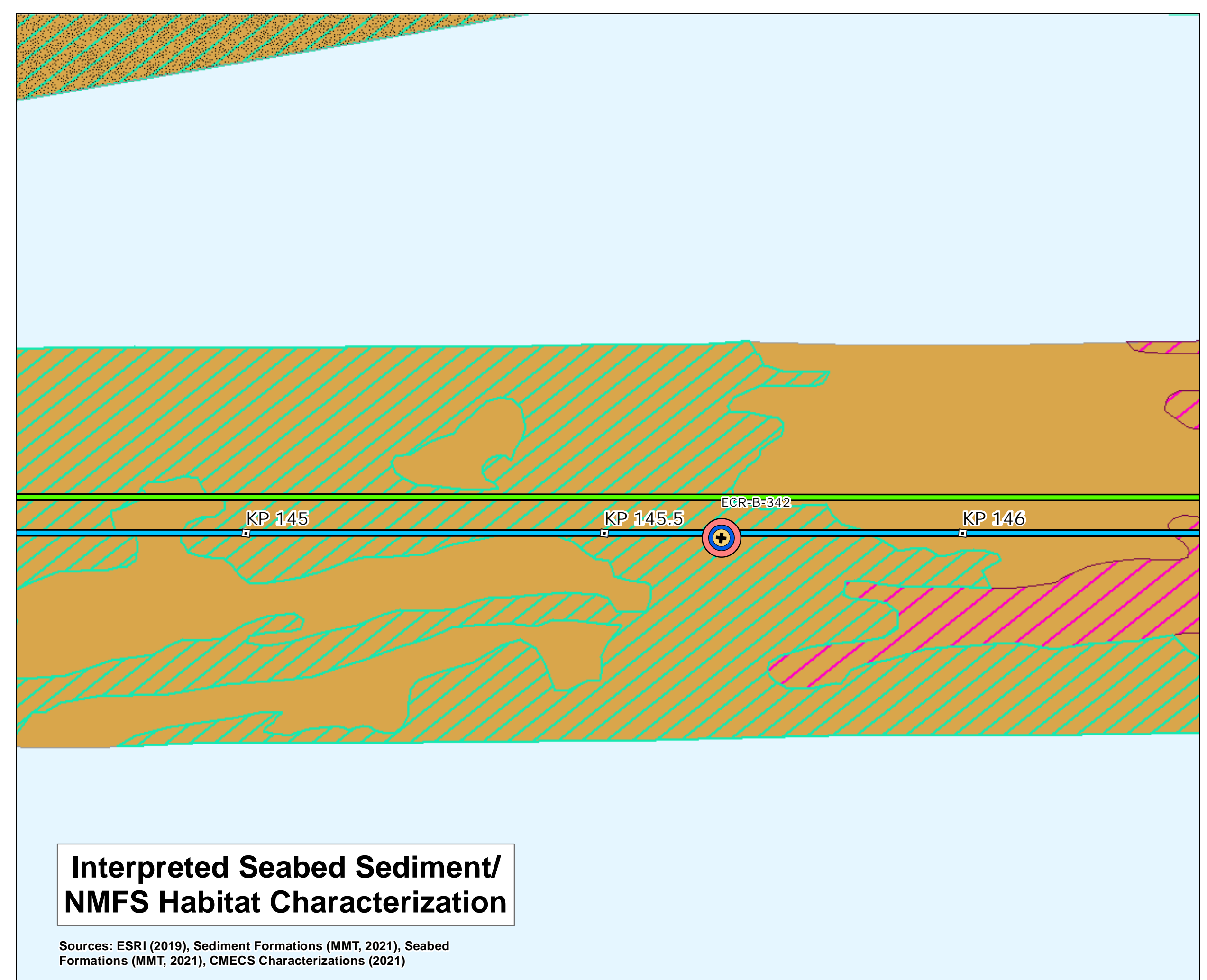
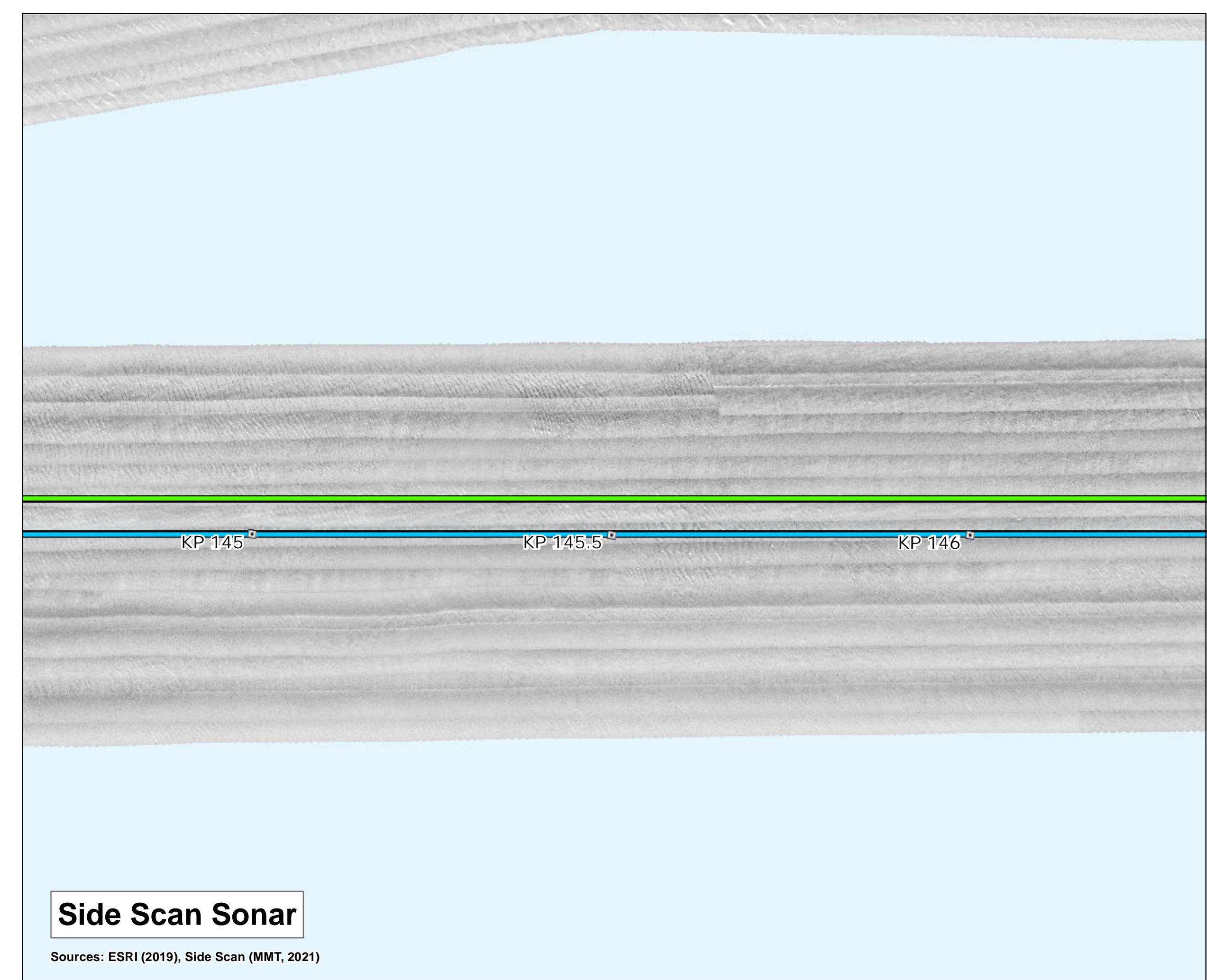
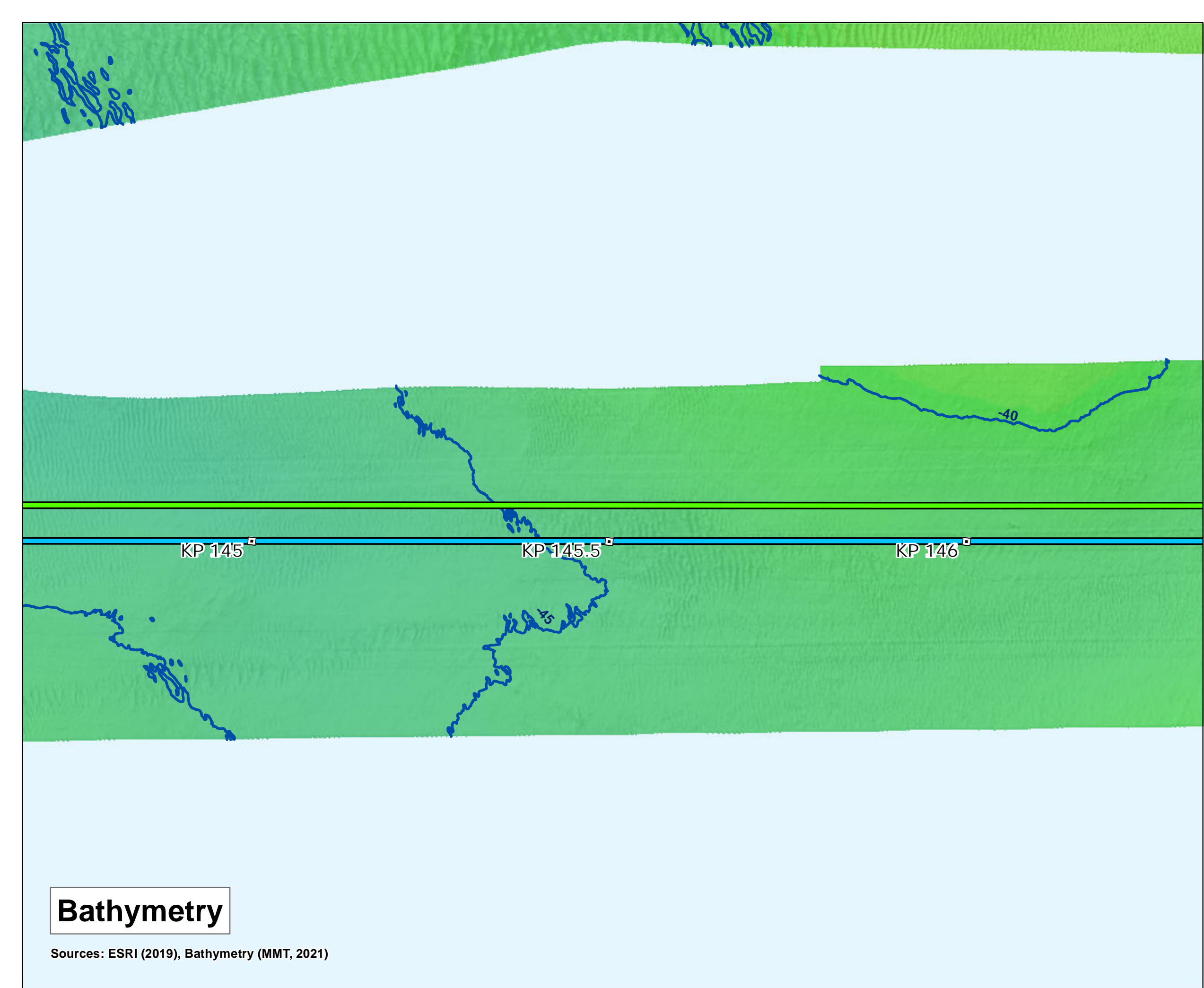
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 102

BW1 (NY) - KP 145 - KP 146  
BW2 (NY) - KP 145 - KP 146  
BW2 (CT) - N/A

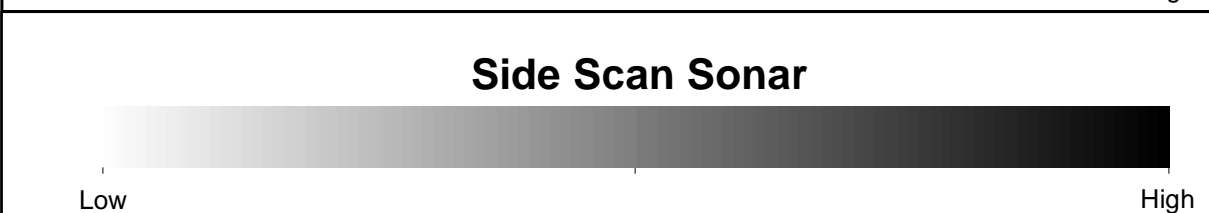
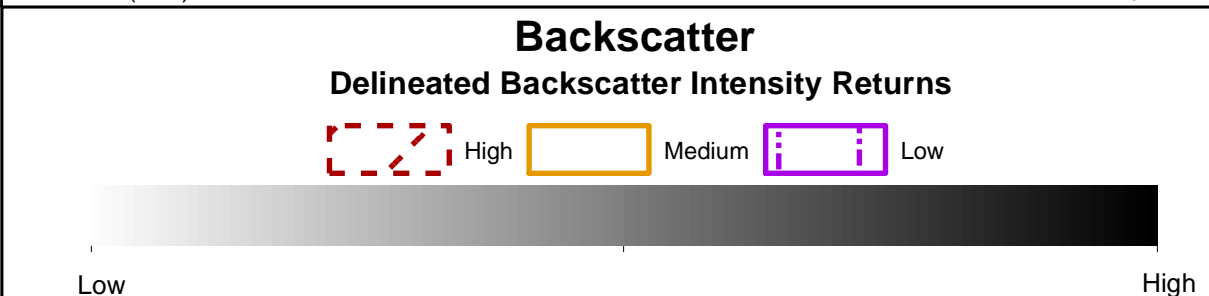
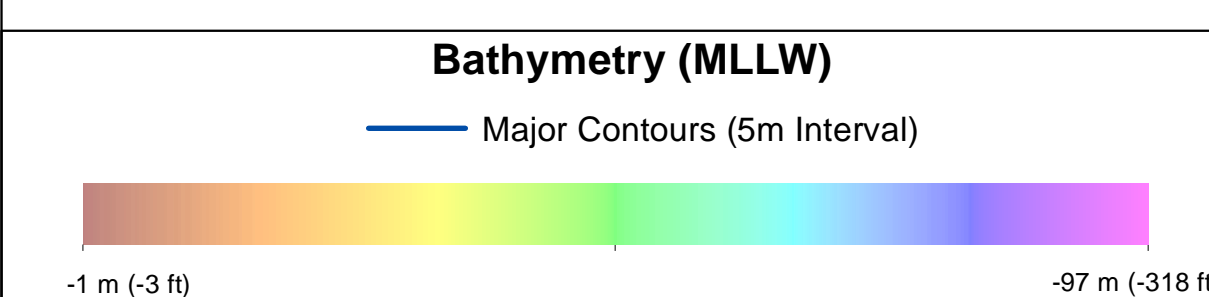




**Map Book Package for Submarine Export Cable Route in State Waters**

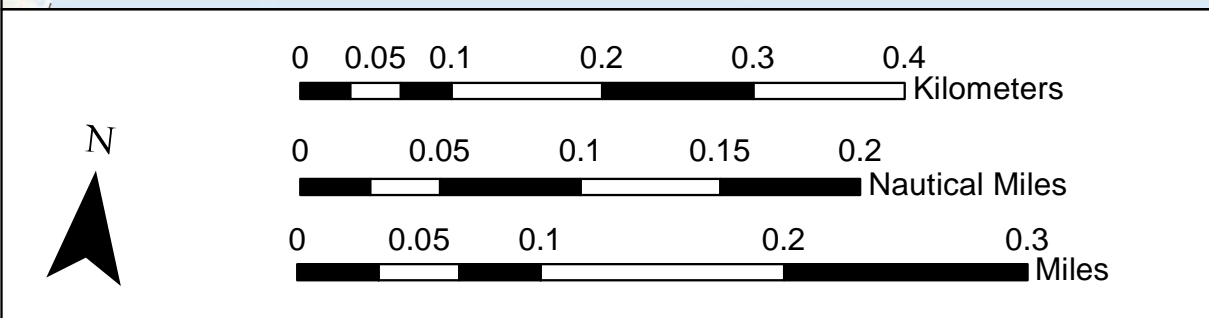
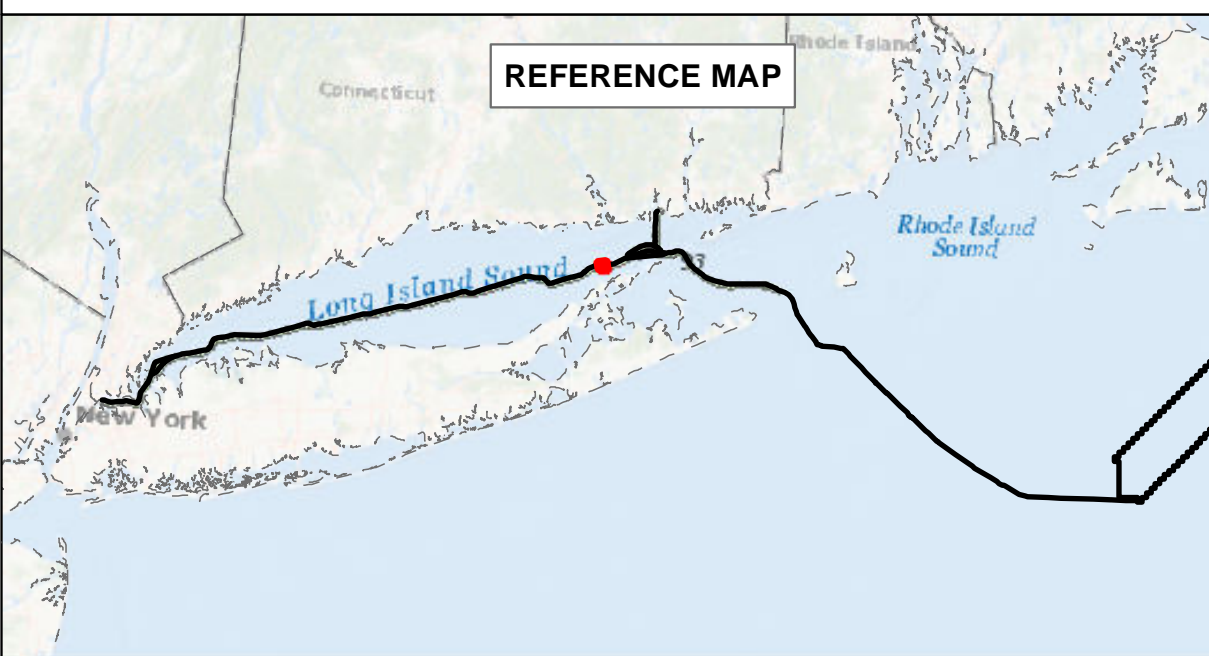


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Muddy Sand            |  |
| ● Shell Hash            |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |
| ▨ Waves                 |  |
- Note:  
1) Legend only shows items visible in the current map extent.

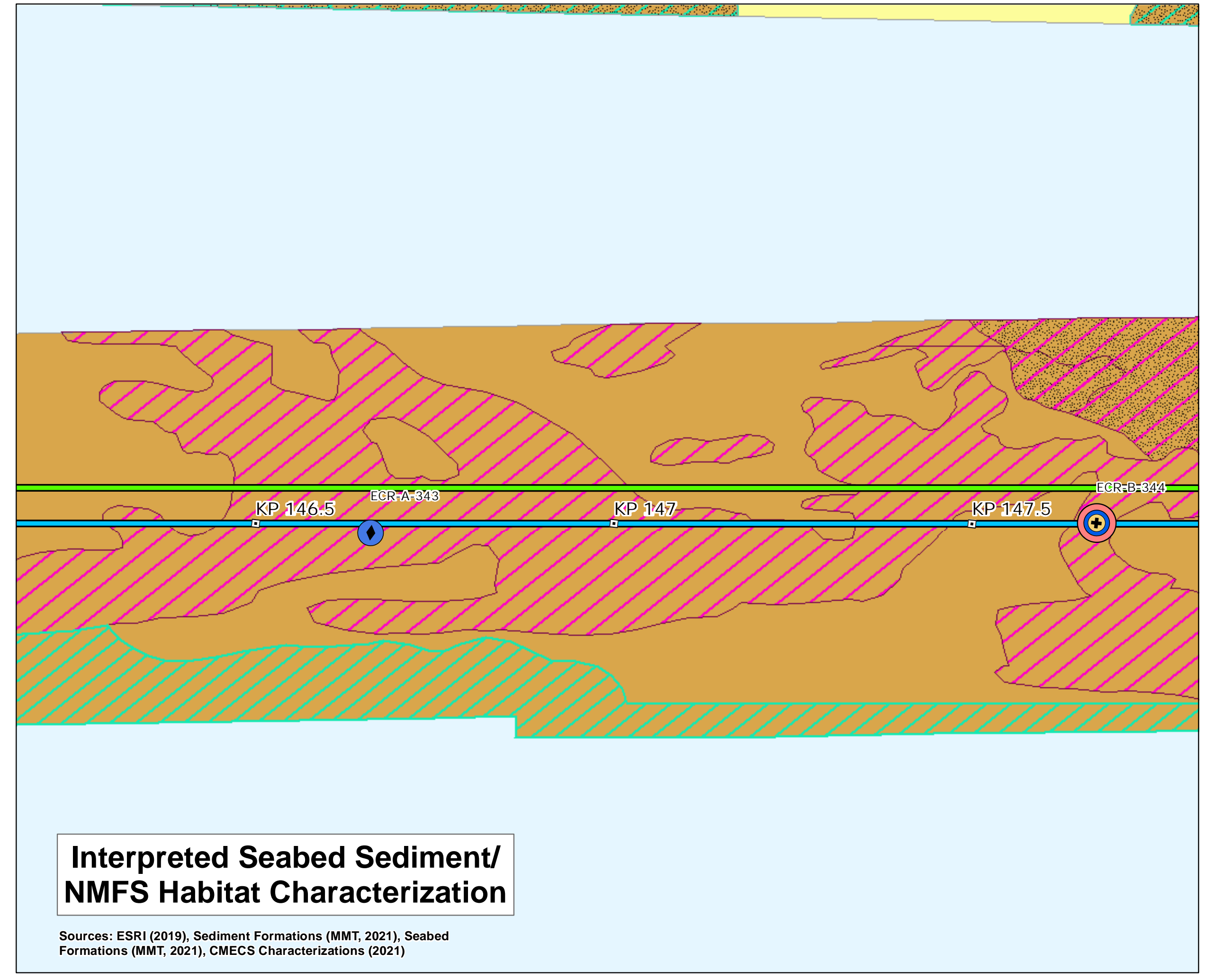
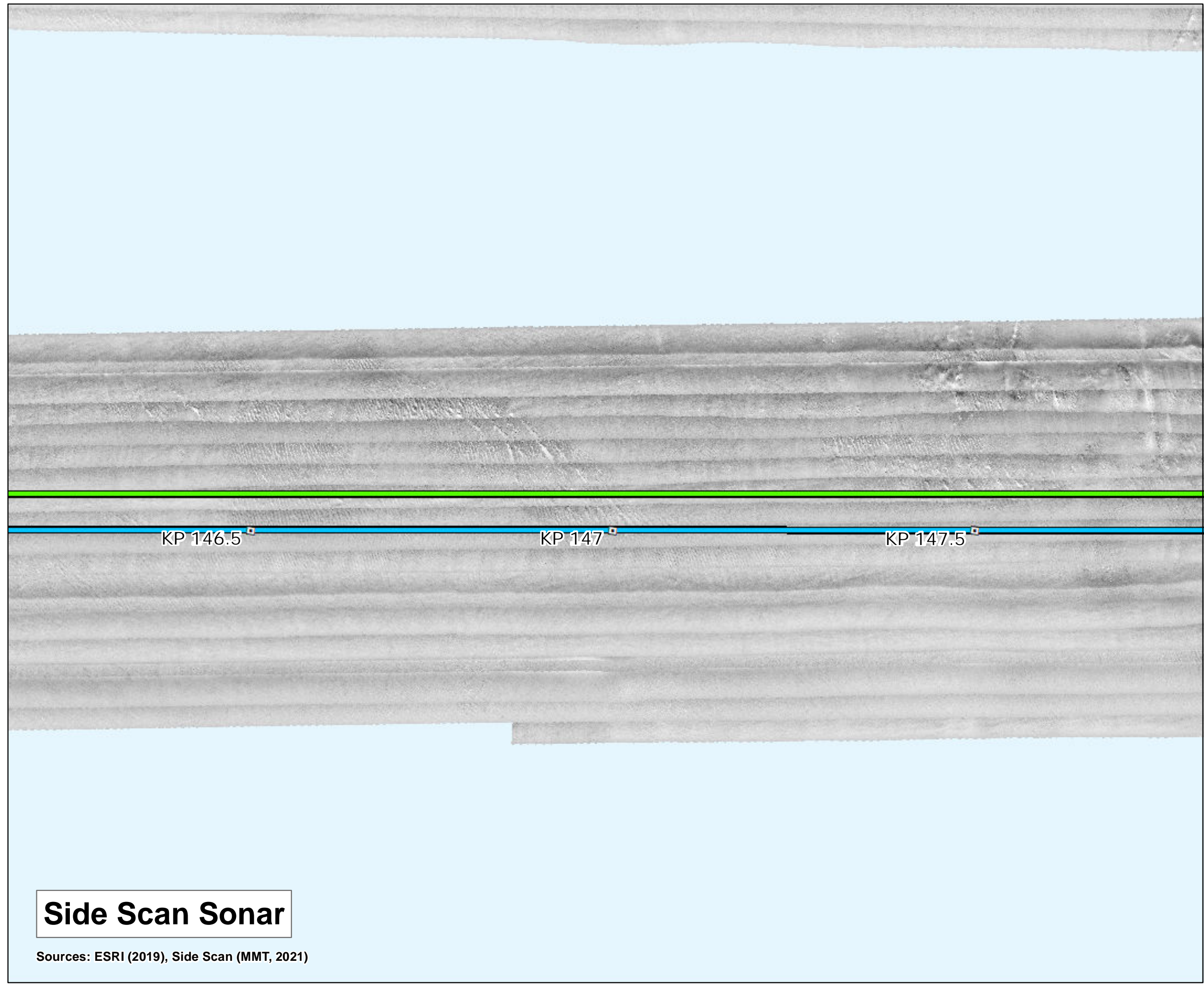
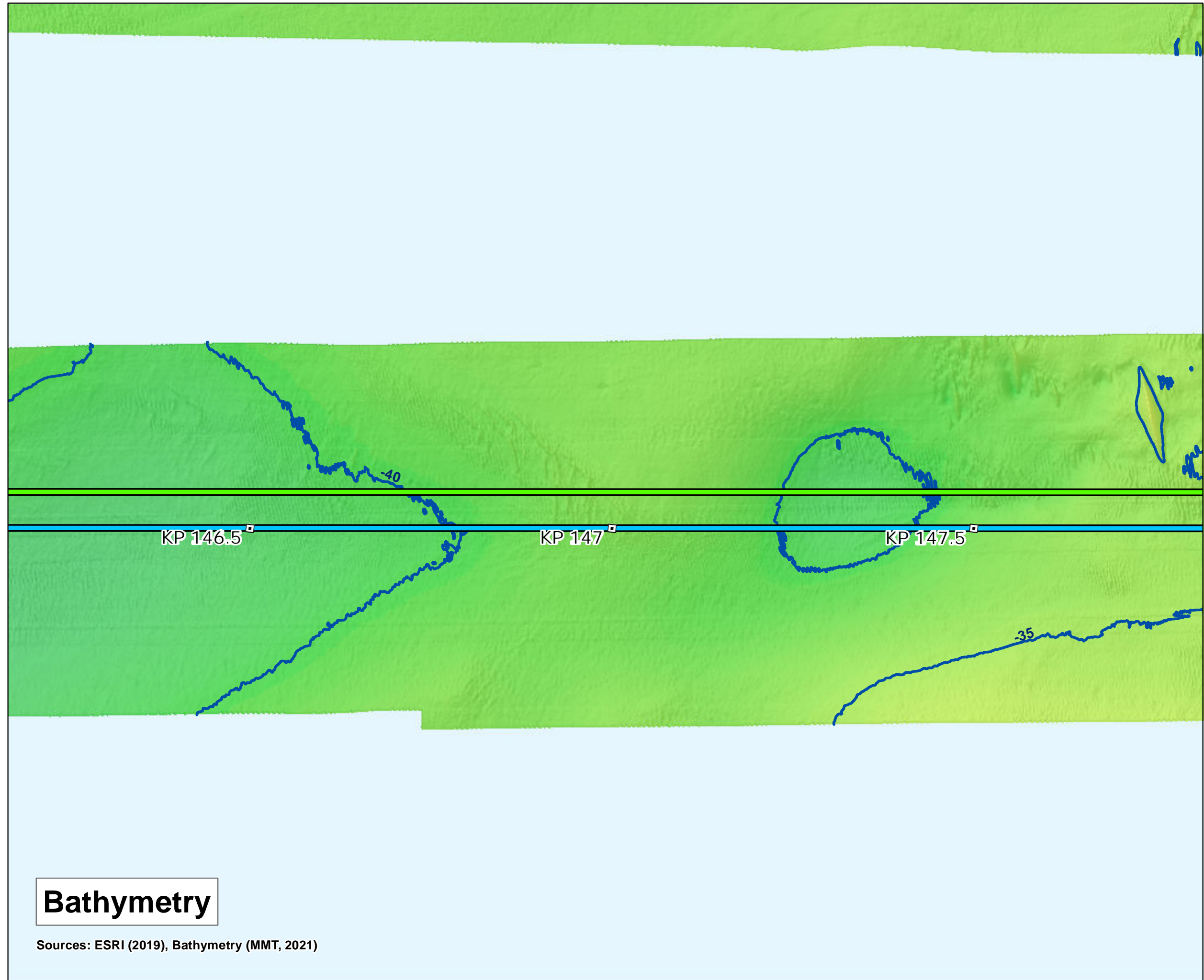
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

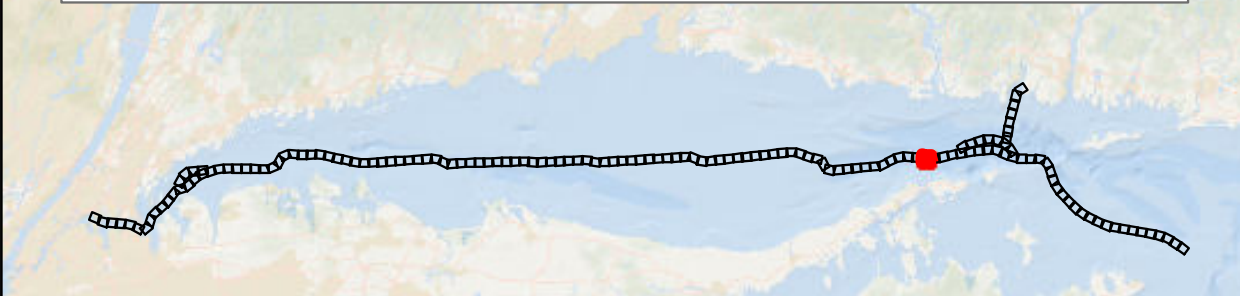
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 103

BW1 (NY) - KP 146.5 - KP 147.5  
BW2 (NY) - KP 146.5 - KP 147.5  
BW2 (CT) - N/A

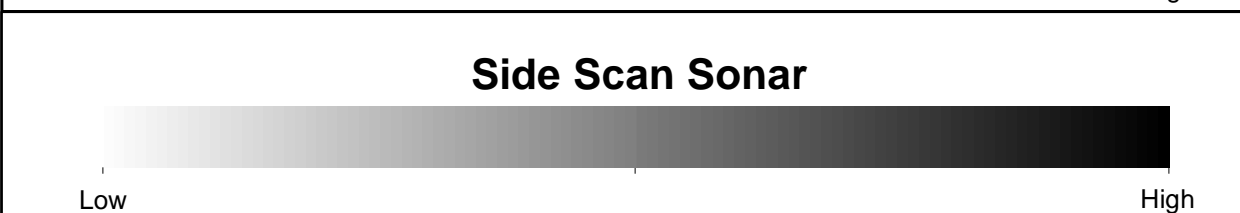
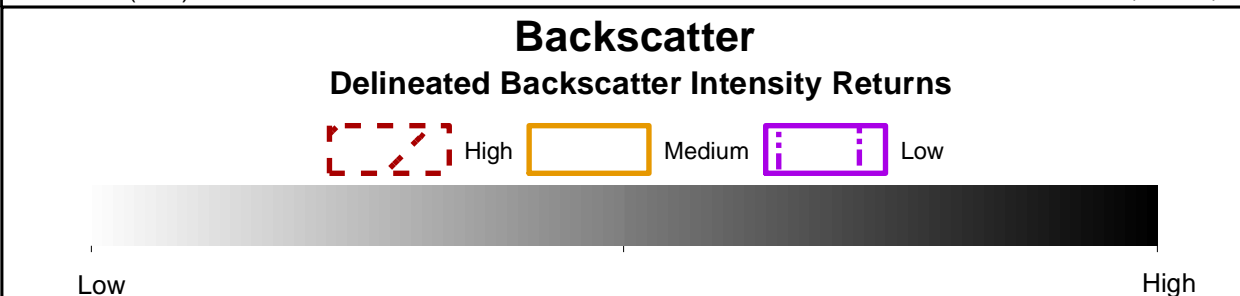
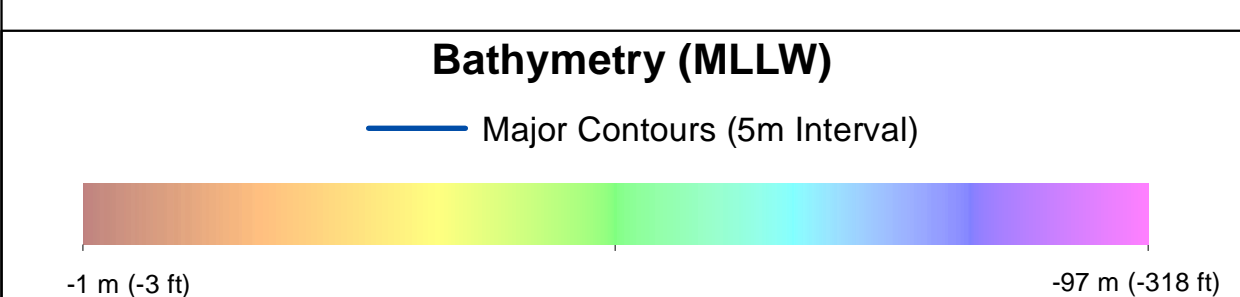




**Map Book Package for Submarine Export Cable Route in State Waters**

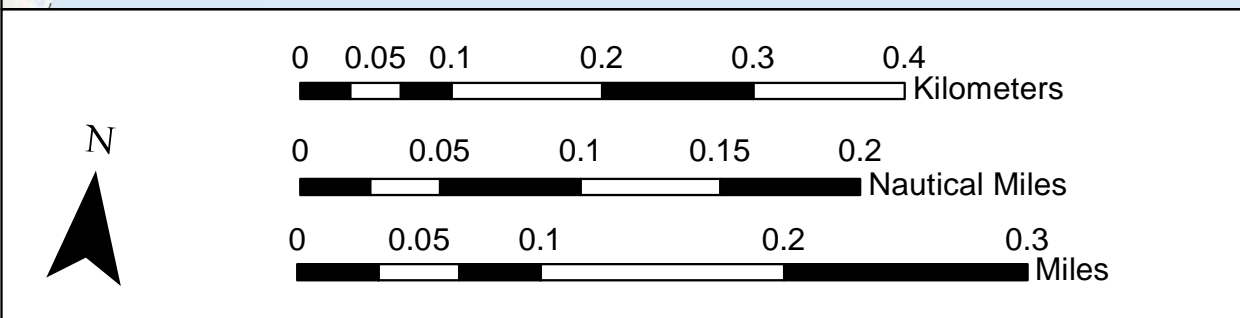
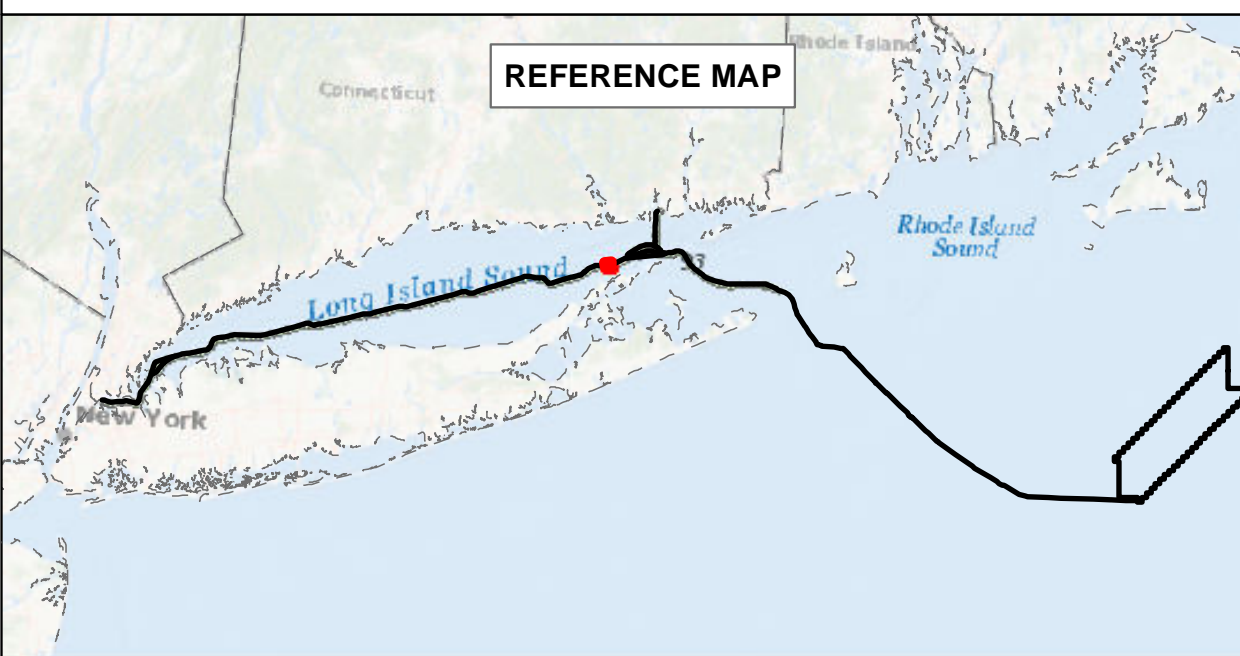


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Gravelly              |  |
| ● Muddy Sand            |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |
| ▨ Waves                 |  |
- Note:  
1) Legend only shows items visible in the current map extent.

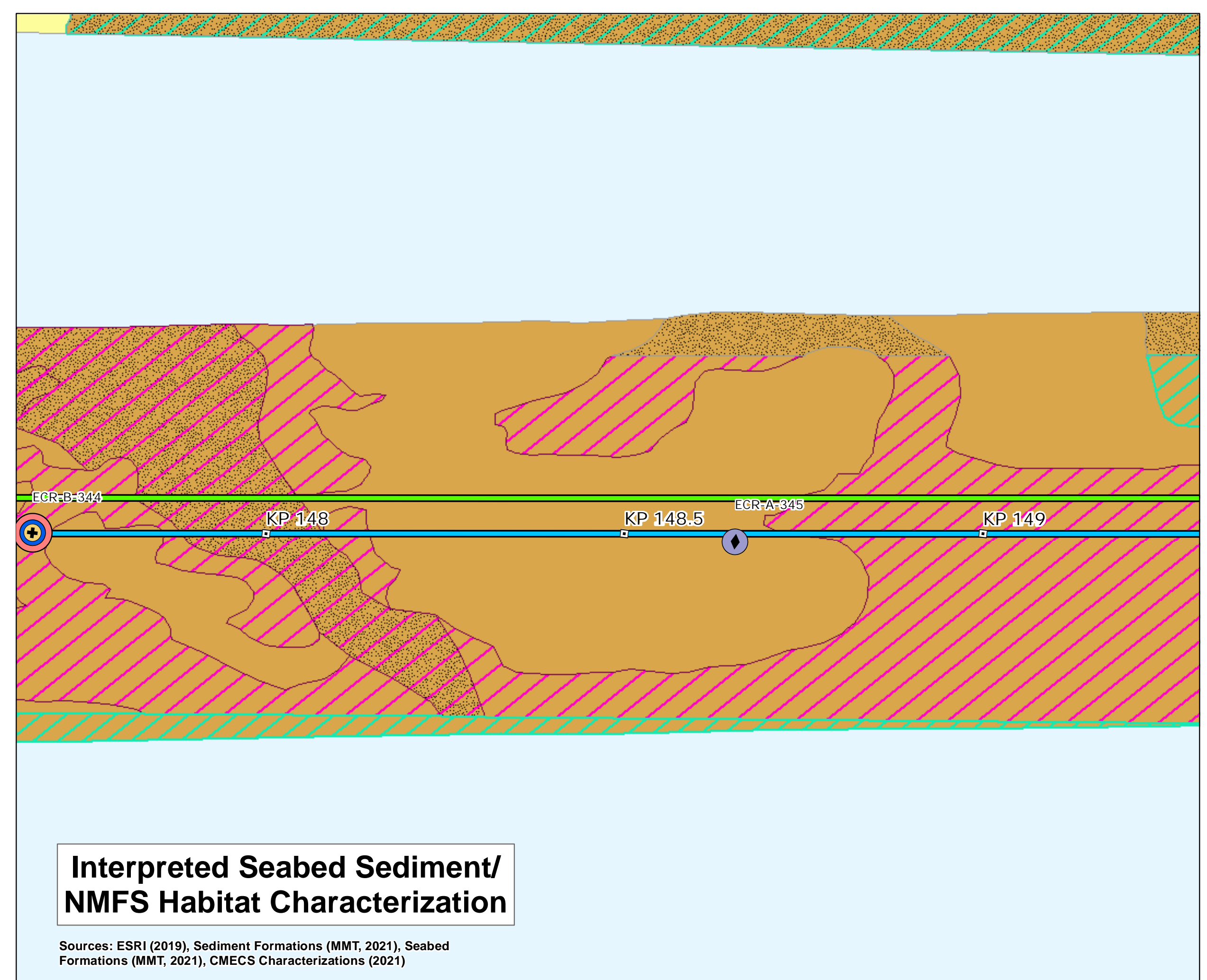
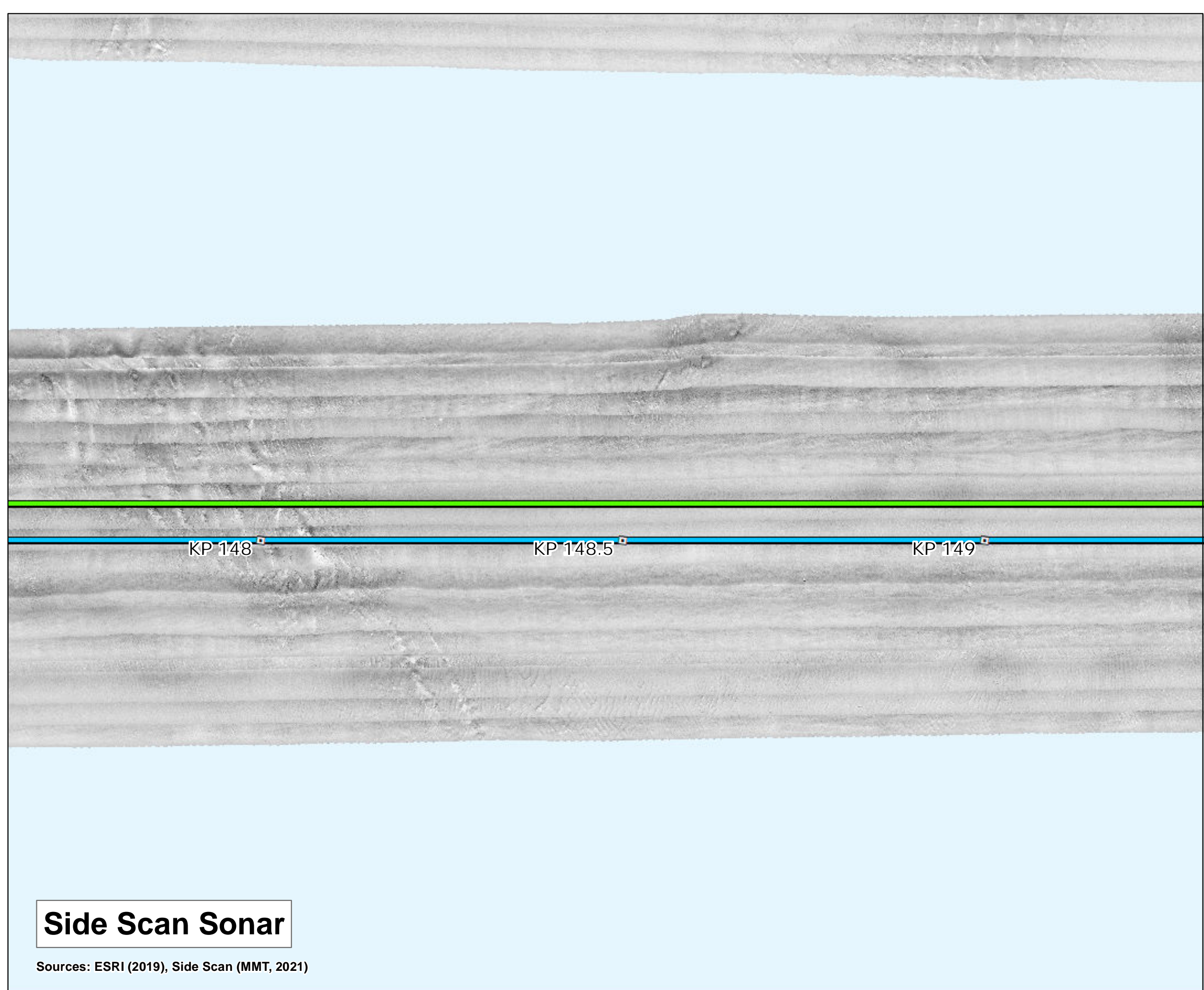
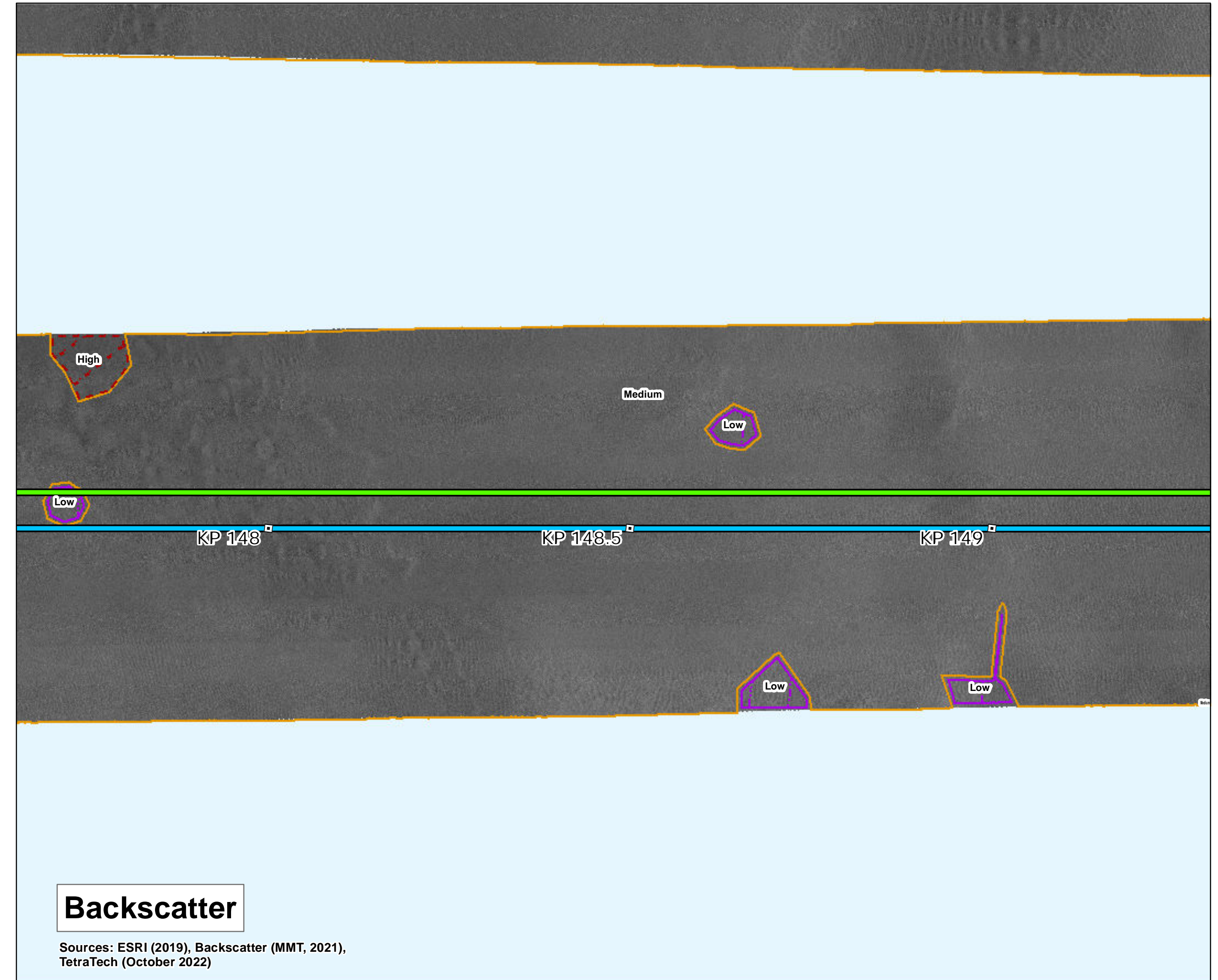
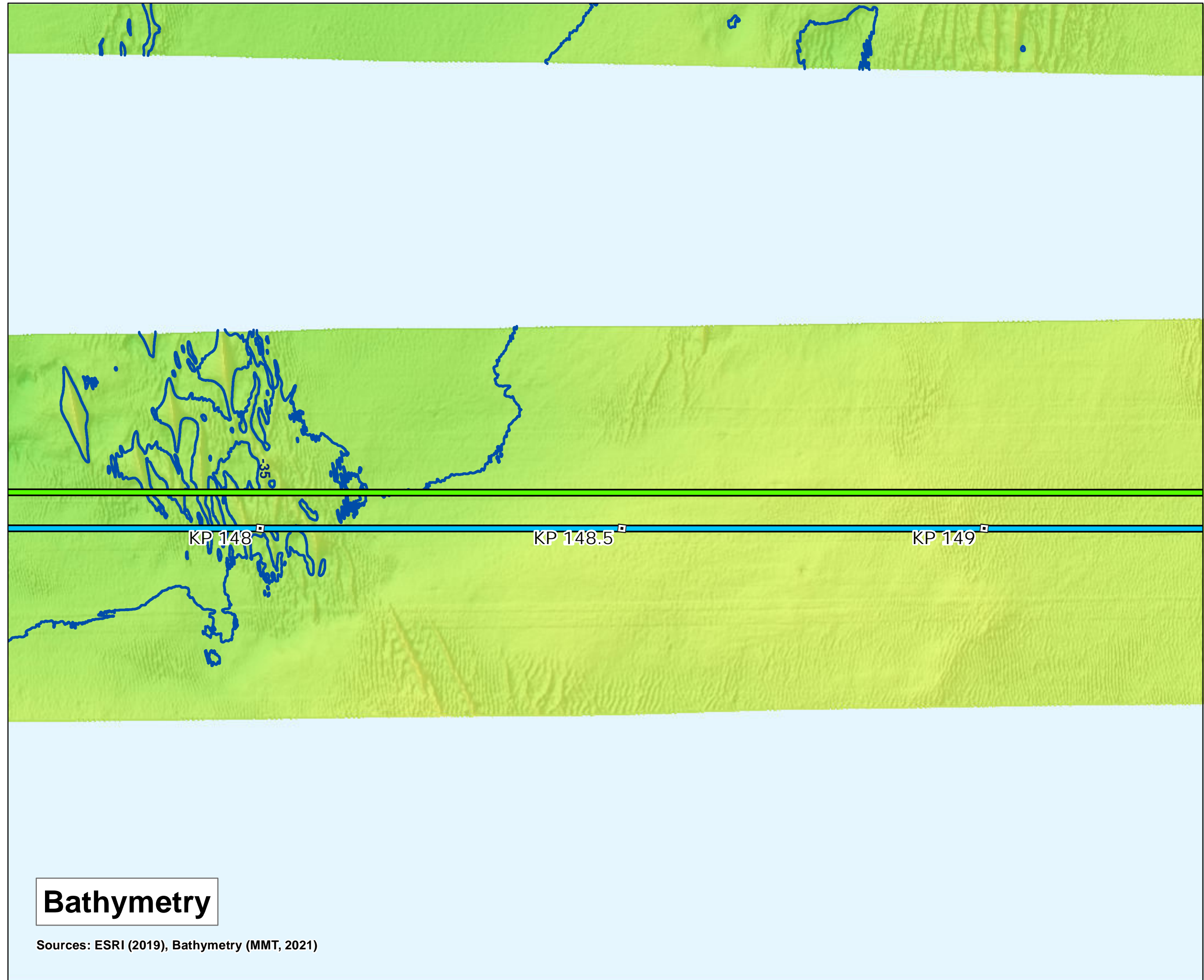
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

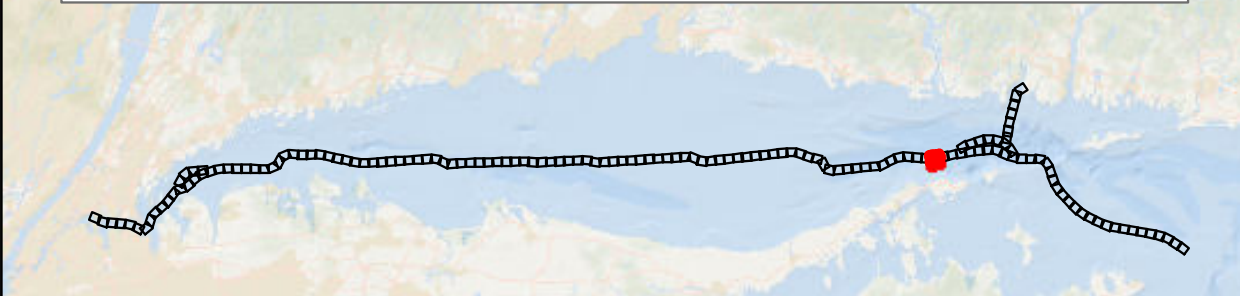
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 104

BW1 (NY) - KP 148 - KP 149  
BW2 (NY) - KP 148 - KP 149  
BW2 (CT) - N/A

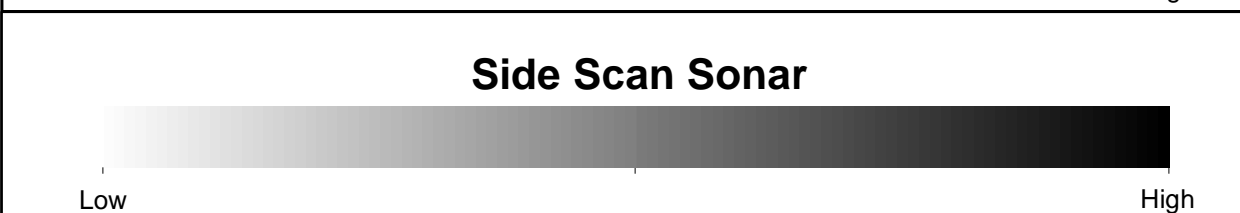
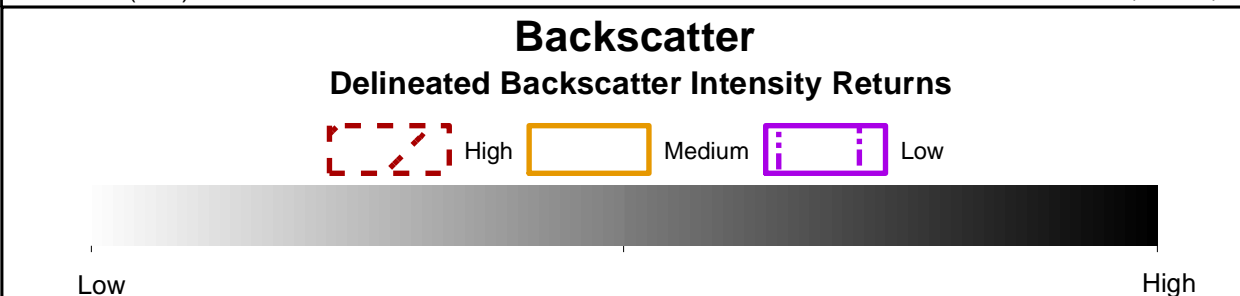
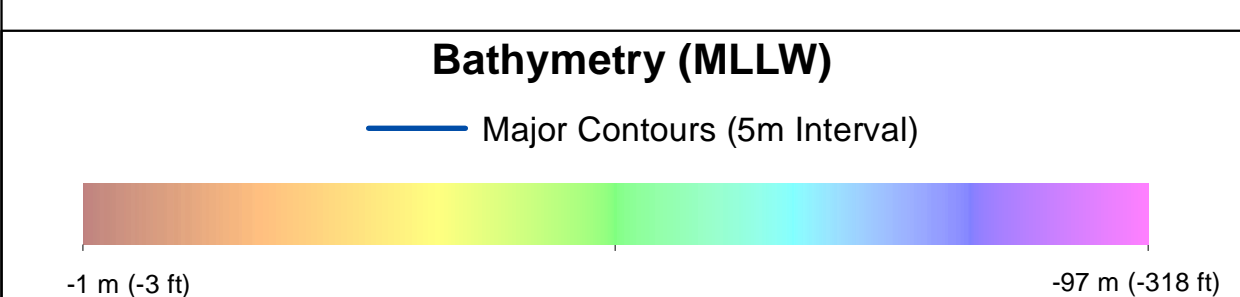




**Map Book Package for Submarine Export Cable Route in State Waters**



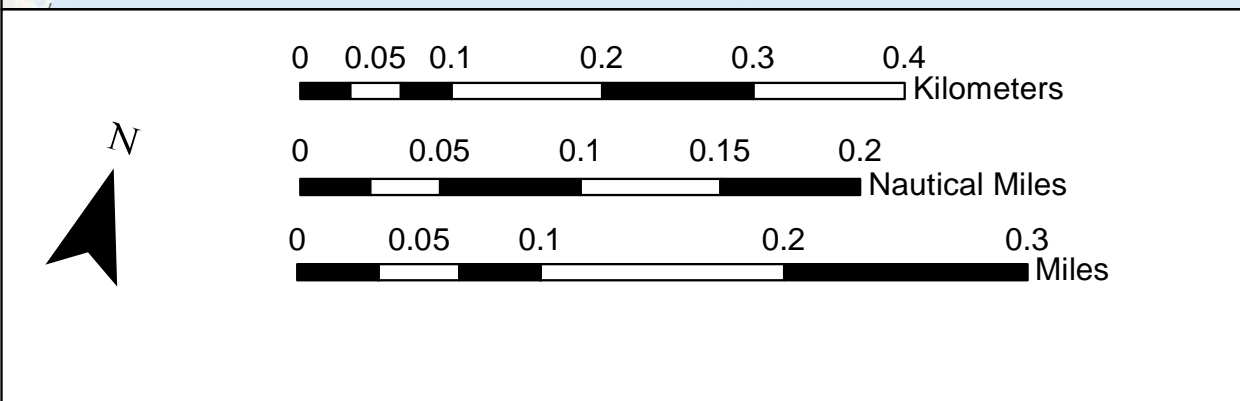
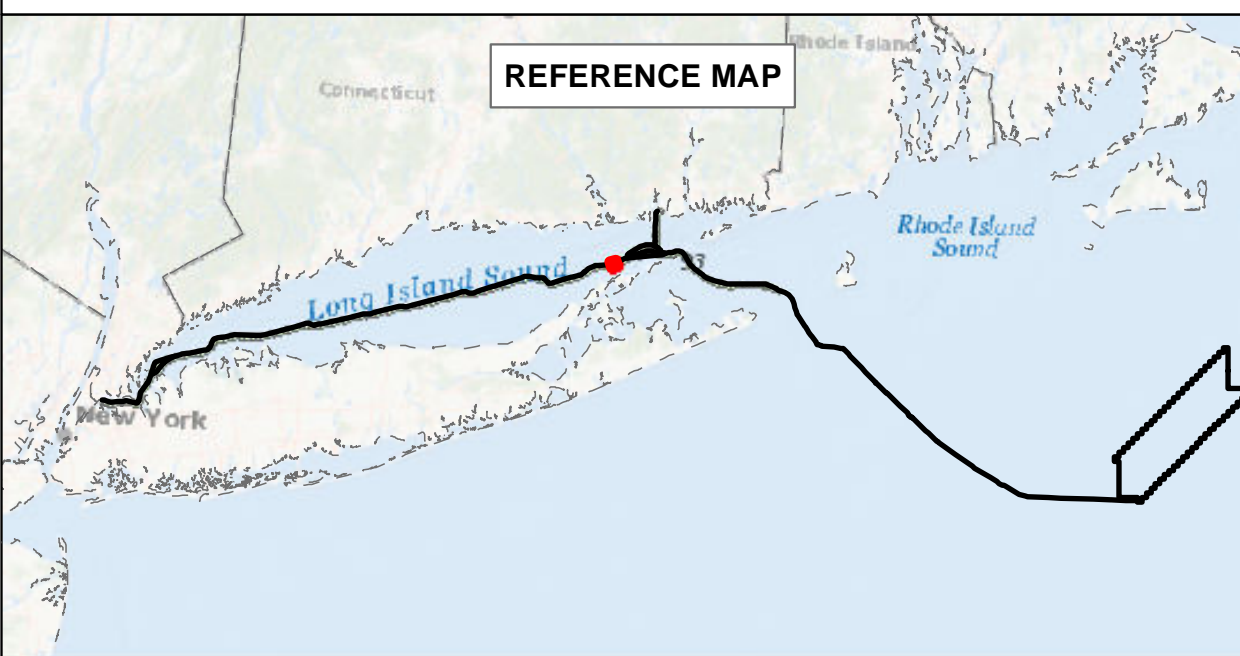
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



**Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**

- |   |  |
|---|--|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li>✦ Grab and Video</li> <li>◆ SPI/PV</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li>● Soft Sediment Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li>● Gravelly Muddy Sand</li> <li>● Sand</li> </ul> <p><b>CMECS Geoform</b></p> <ul style="list-style-type: none"> <li>● Burrows/Bioturbation</li> </ul> | <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li>■ Sand and Muddy Sand/Soft Bottom Habitat</li> <li>■ Numerous Boulders/Large Grained Complex Habitat</li> <li>■ Occasional Boulders/Large Grained Complex Habitat</li> <li>■ Heterogeneous Complex Habitat</li> </ul> <p><b>Benthic Features</b></p> <ul style="list-style-type: none"> <li>▨ Megaripples</li> <li>▨ Sand Ripples</li> <li>▨ Waves</li> </ul> |
|---|--|
- Note:  
1) Legend only shows items visible in the current map extent.

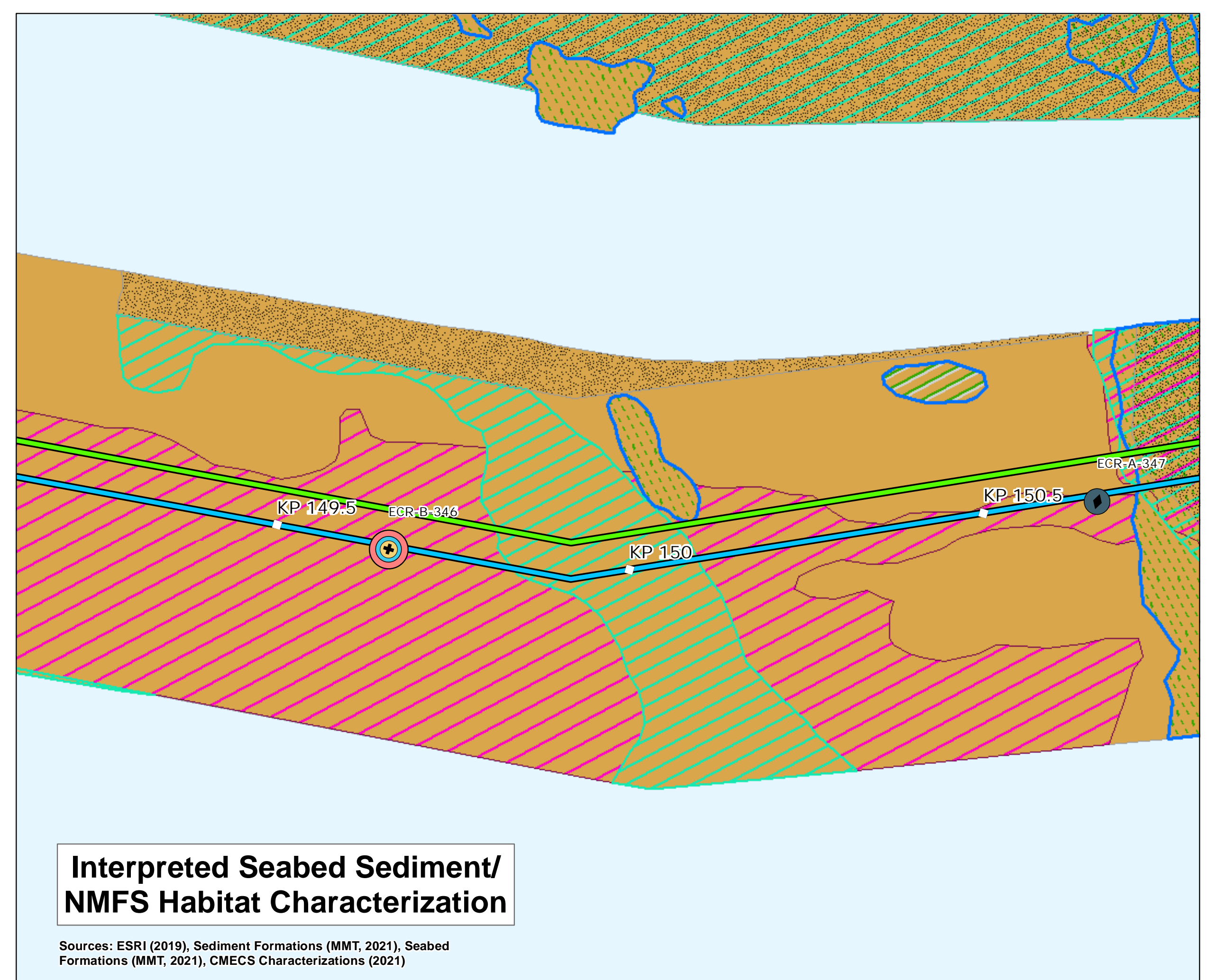
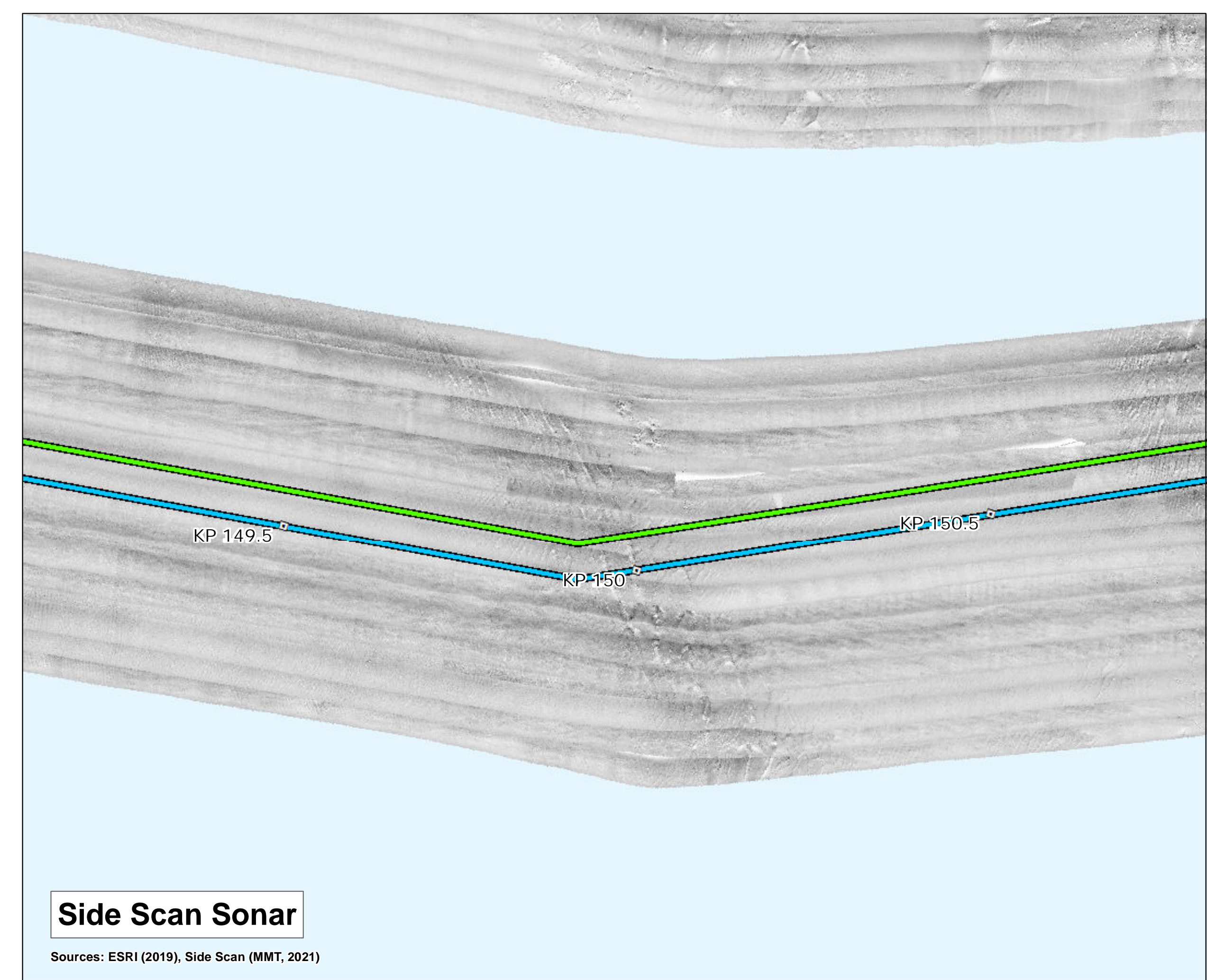
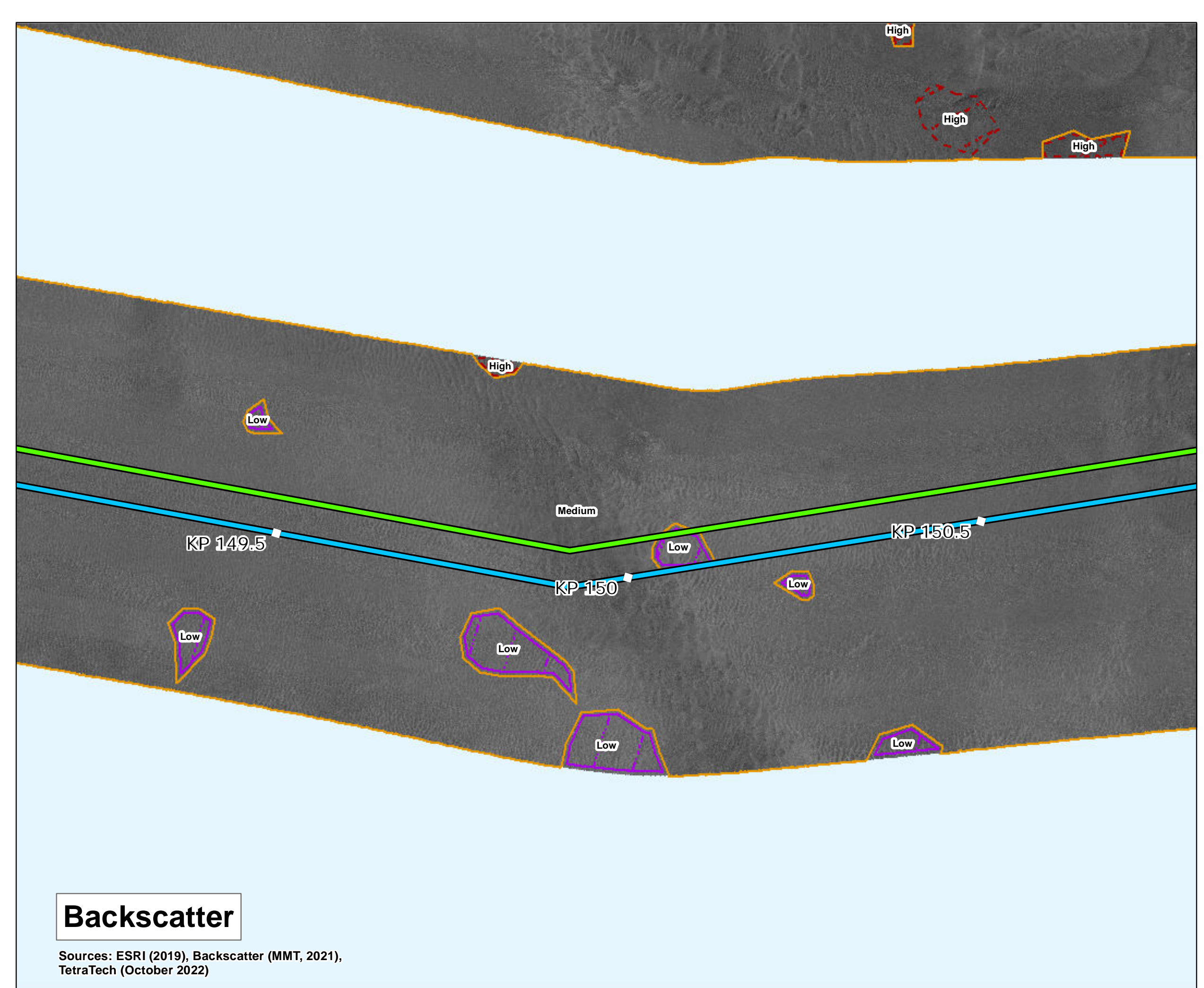
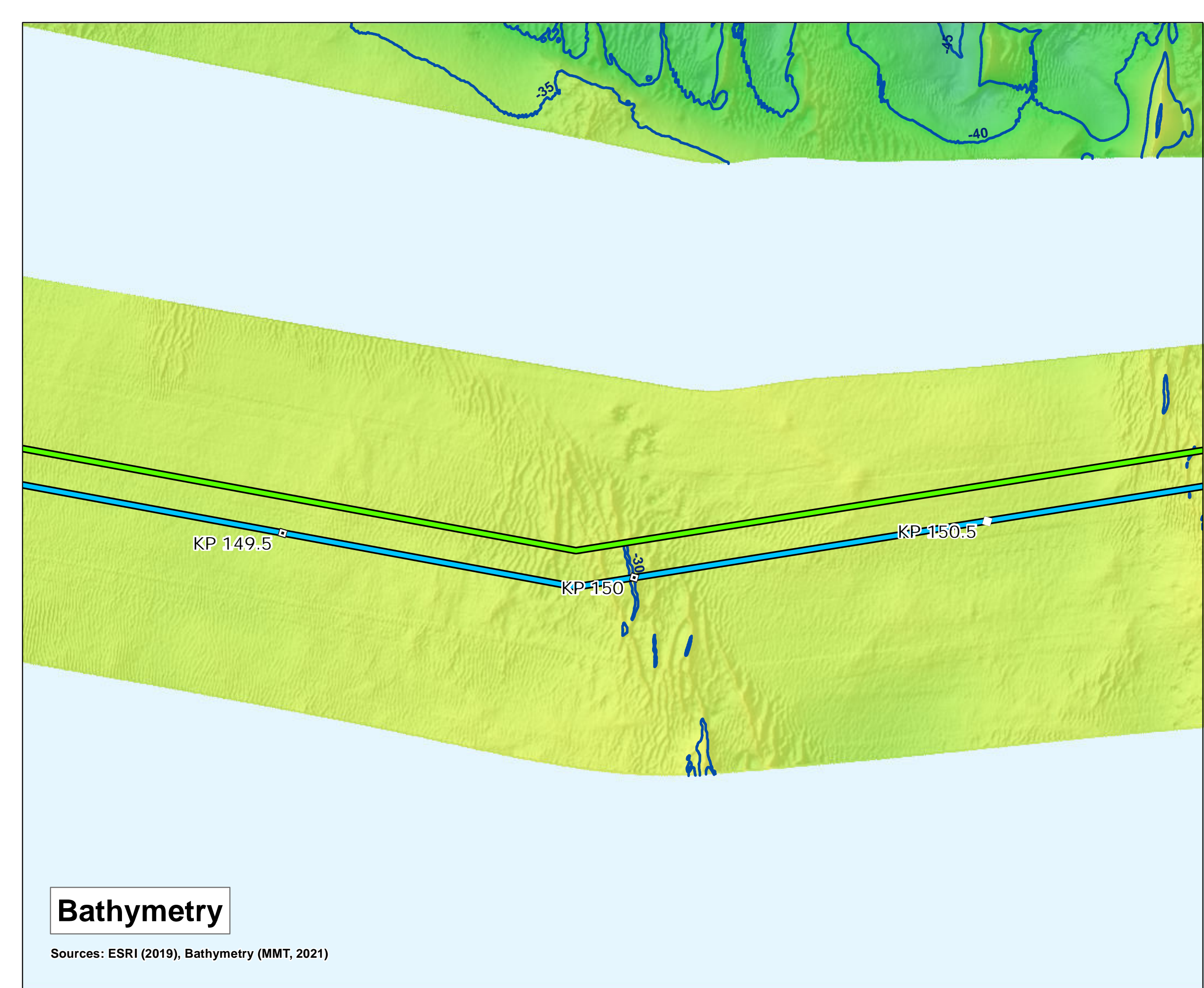
Prepared by: AECOM  
Date: 3/1/2023



**BEACON WIND LEASE AREA OCS-A 0520**

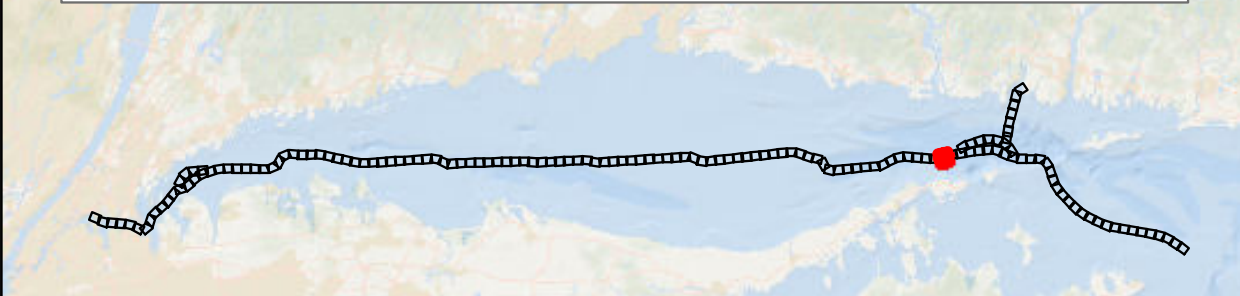
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 105

BW1 (NY) - KP 149.5 - KP 150.5  
BW2 (NY) - KP 149.5 - KP 150.5  
BW2 (CT) - N/A

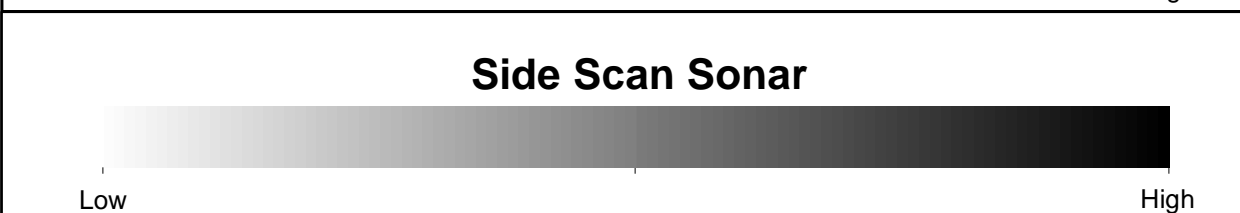
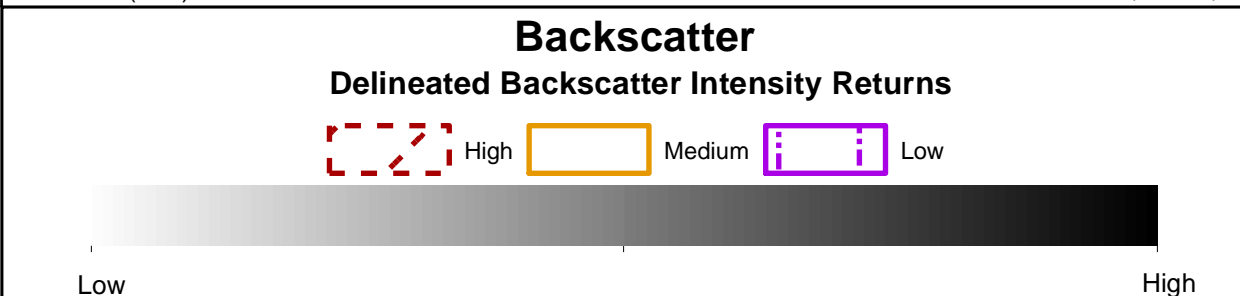
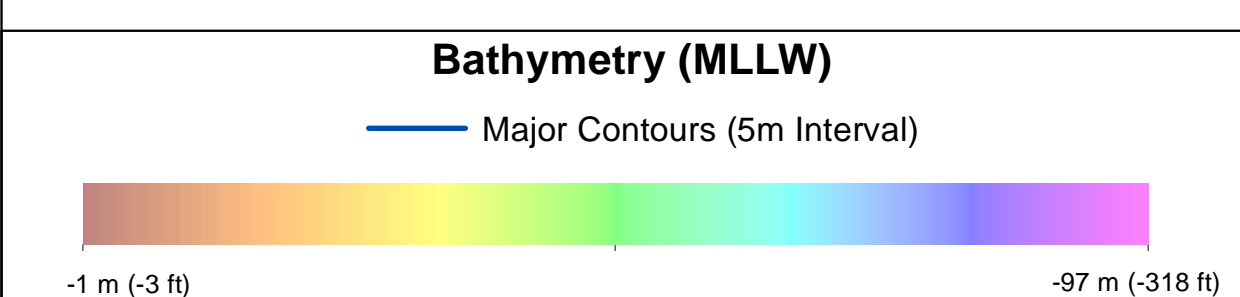




**Map Book Package for Submarine Export Cable Route in State Waters**



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

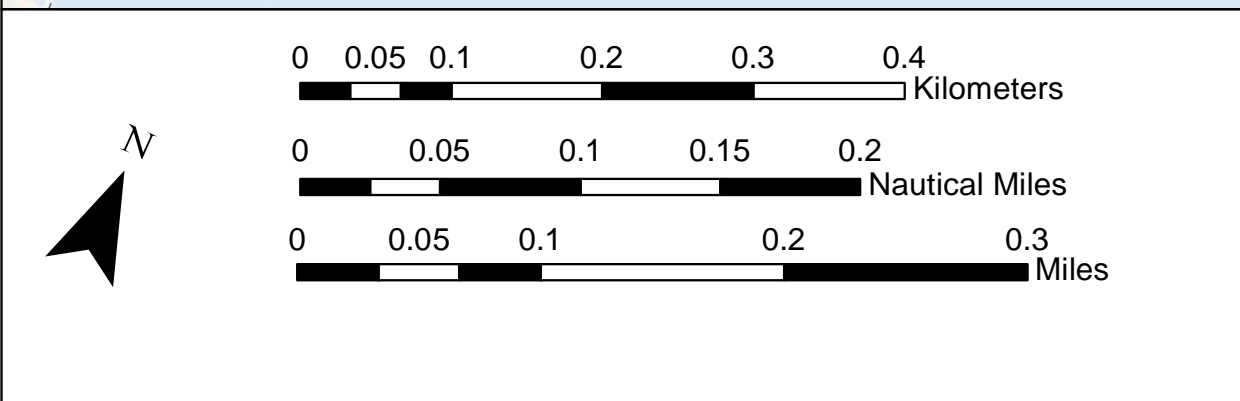
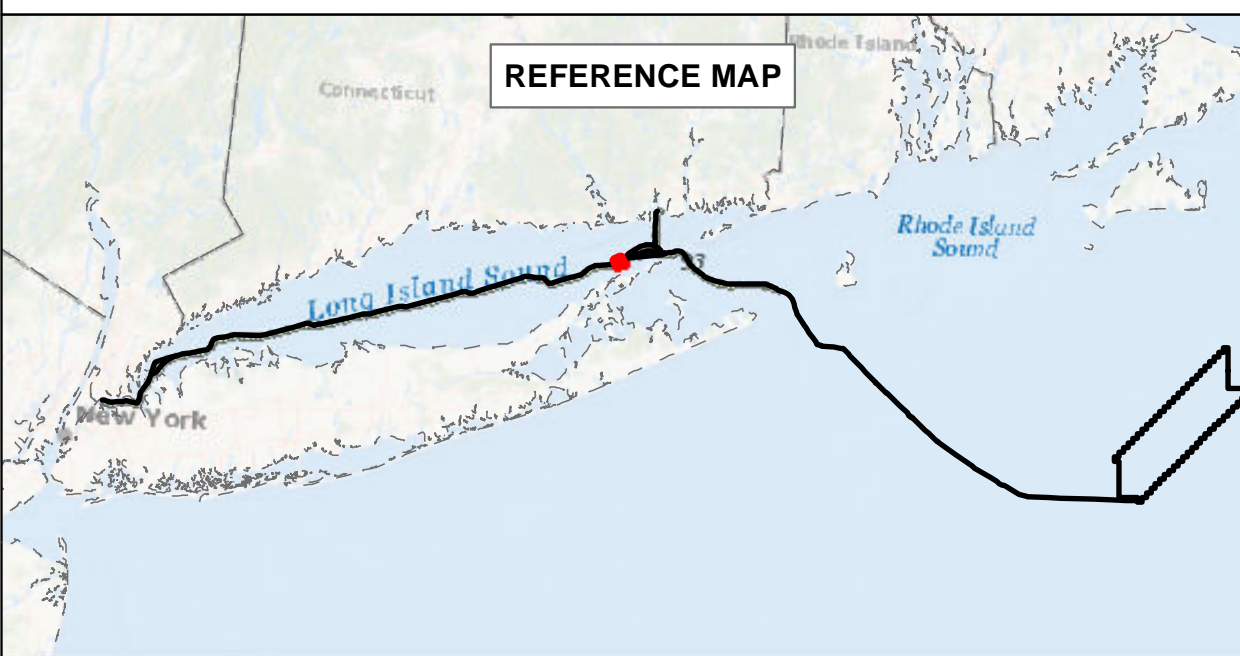


**Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**

<p><b>Station Type</b></p> <ul style="list-style-type: none"> <li>✦ Grab and Video</li> <li>◆ SPI/PV</li> <li>★ Video</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li>● Large Macrofauna</li> <li>● Soft Sediment Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li>● Sand</li> <li>● Sandy Mud</li> </ul> <p><b>CMECS Geofom</b></p> <ul style="list-style-type: none"> <li>● Boulder Field</li> <li>● Burrows/Bioturbation</li> </ul>	<p><b>Benthic Features</b></p> <ul style="list-style-type: none"> <li>▨ Megaripples</li> <li>▨ Sand Ripples</li> <li>▨ Waves</li> </ul> <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li>■ Sand and Muddy Sand/Soft Bottom Habitat</li> <li>■ Till/Complex Habitat</li> <li>■ Numerous Boulders/Large Grained Complex Habitat</li> <li>■ Heterogeneous Complex Habitat</li> </ul>
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Note: 1) Legend only shows items visible in the current map extent.

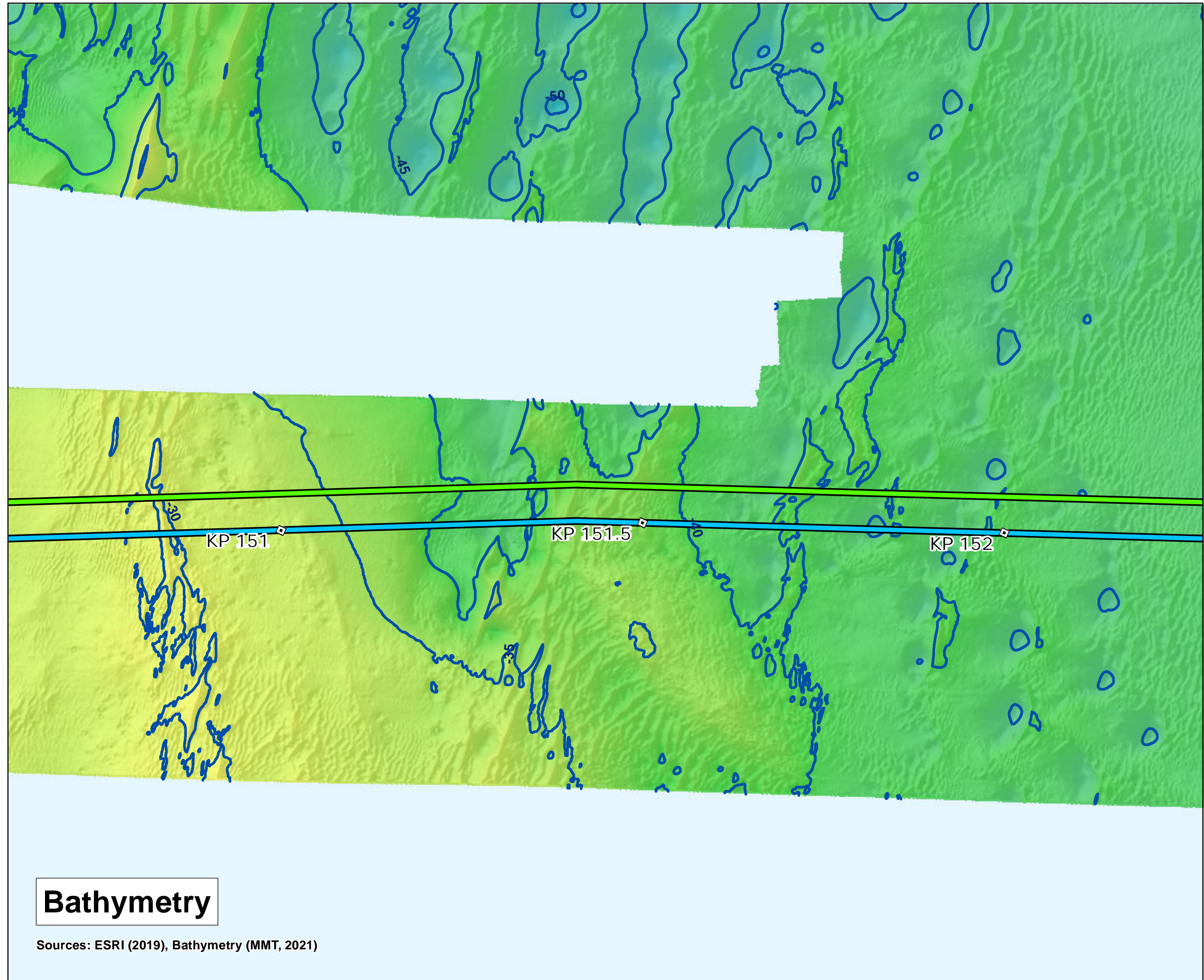
Prepared by: AECOM  
Date: 3/1/2023



**BEACON WIND LEASE AREA OCS-A 0520**

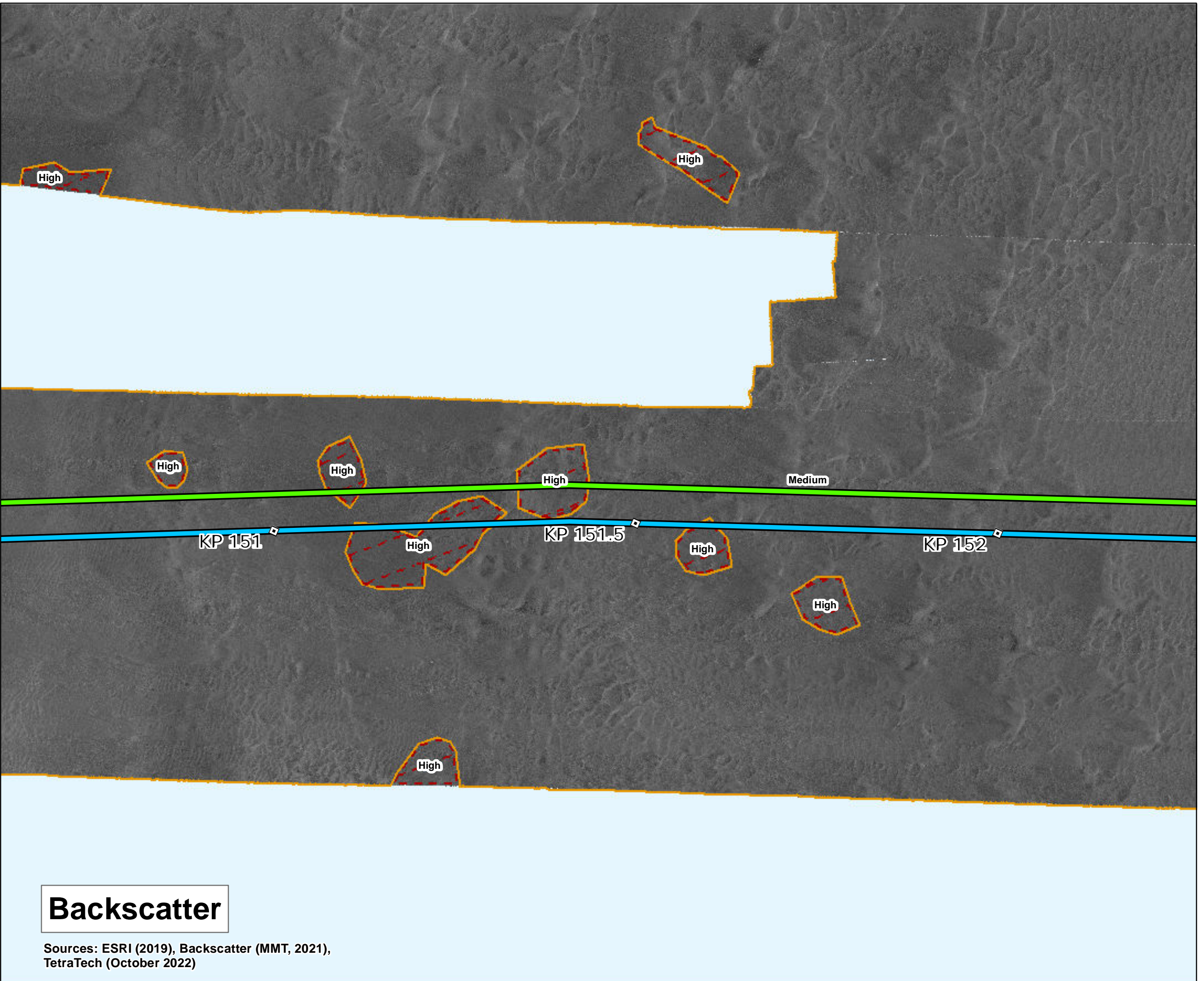
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 106

BW1 (NY) - KP 151 - KP 152  
BW2 (NY) - KP 151 - KP 152  
BW2 (CT) - N/A



**Bathymetry**

Sources: ESRI (2019), Bathymetry (MMT, 2021)



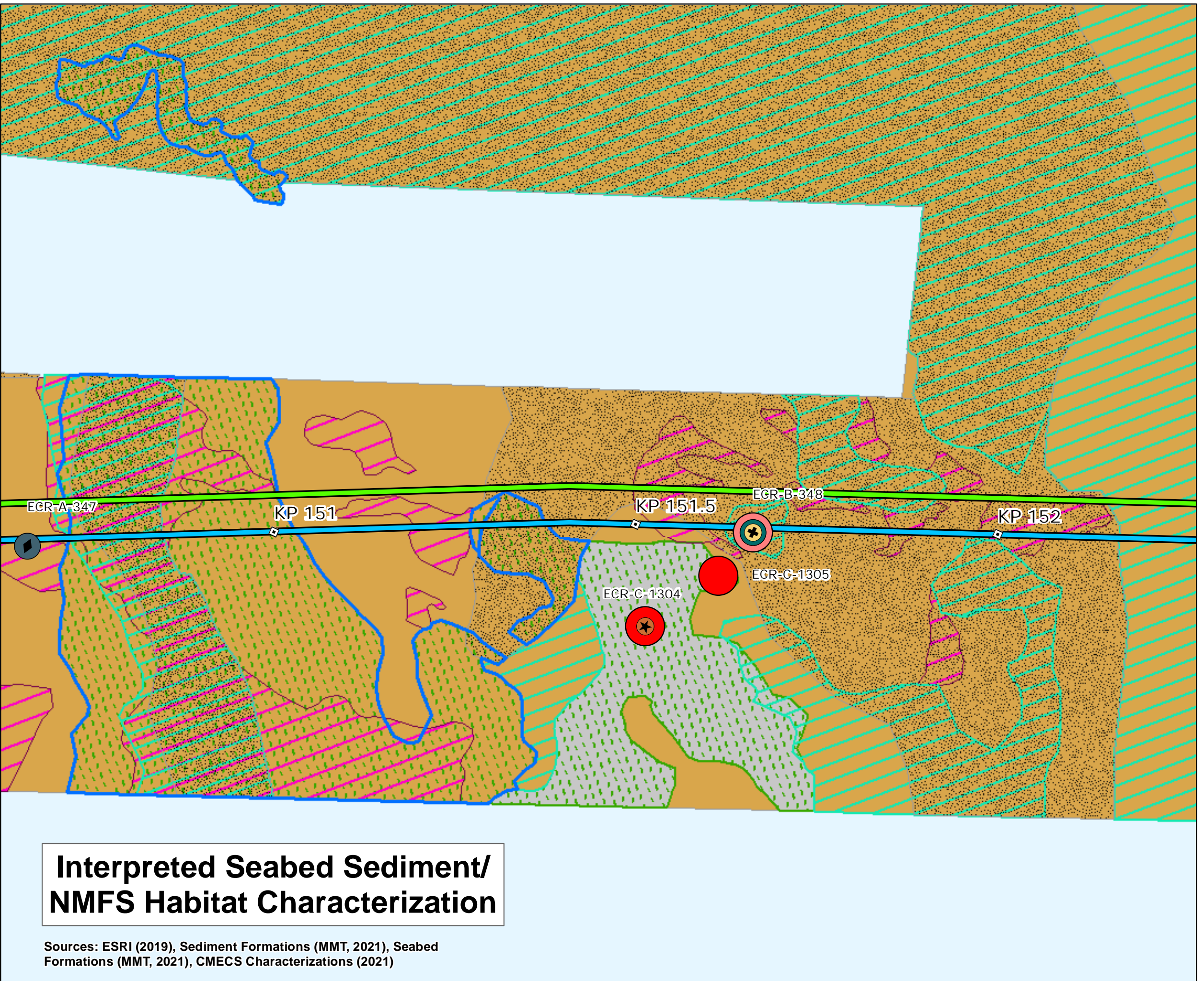
**Backscatter**

Sources: ESRI (2019), Backscatter (MMT, 2021), Tetra Tech (October 2022)



**Side Scan Sonar**

Sources: ESRI (2019), Side Scan (MMT, 2021)

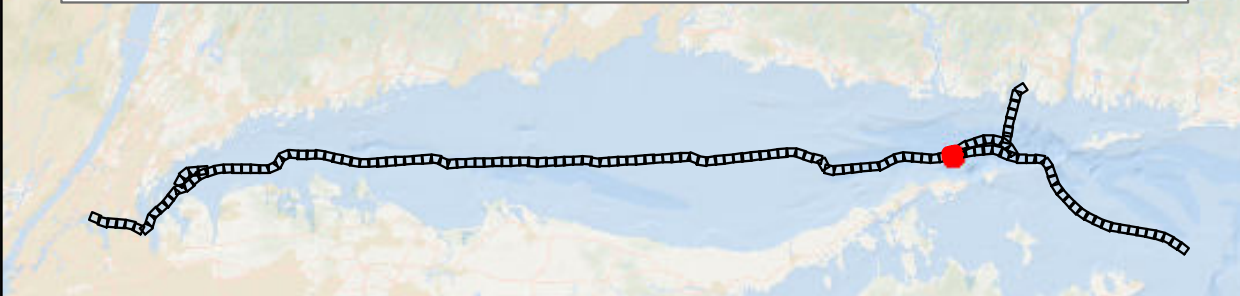


**Interpreted Seabed Sediment/  
NMFS Habitat Characterization**

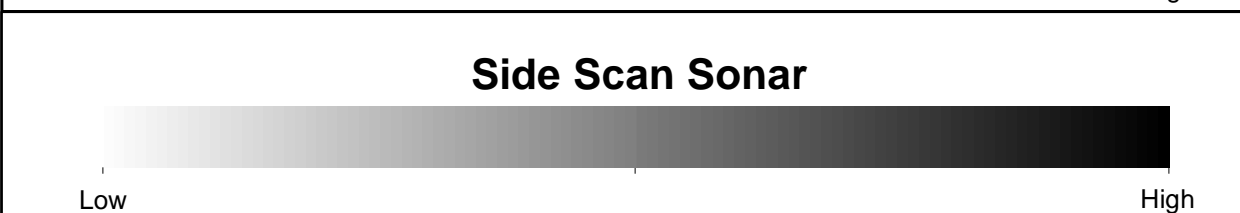
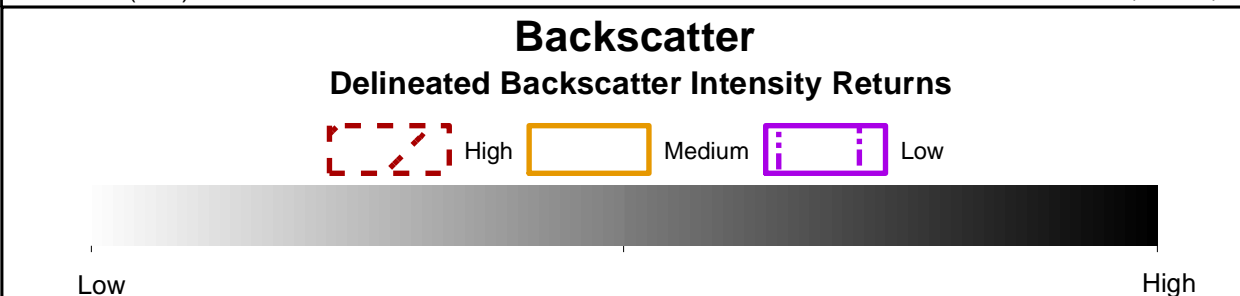
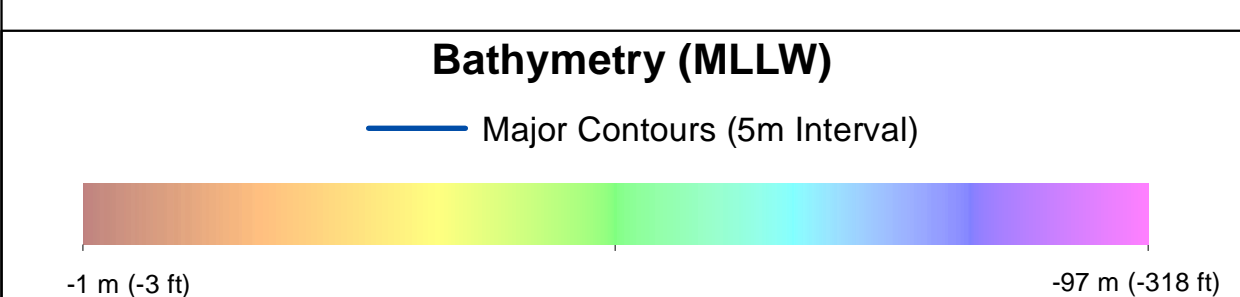
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



**Map Book Package for Submarine Export Cable Route in State Waters**

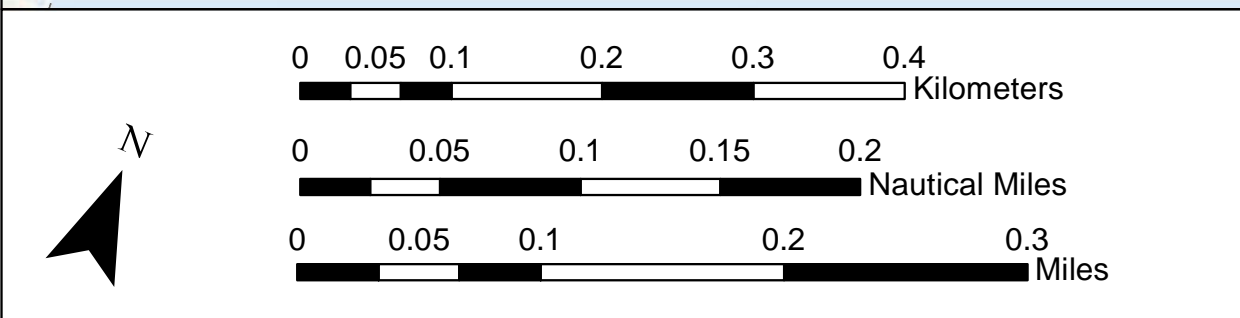
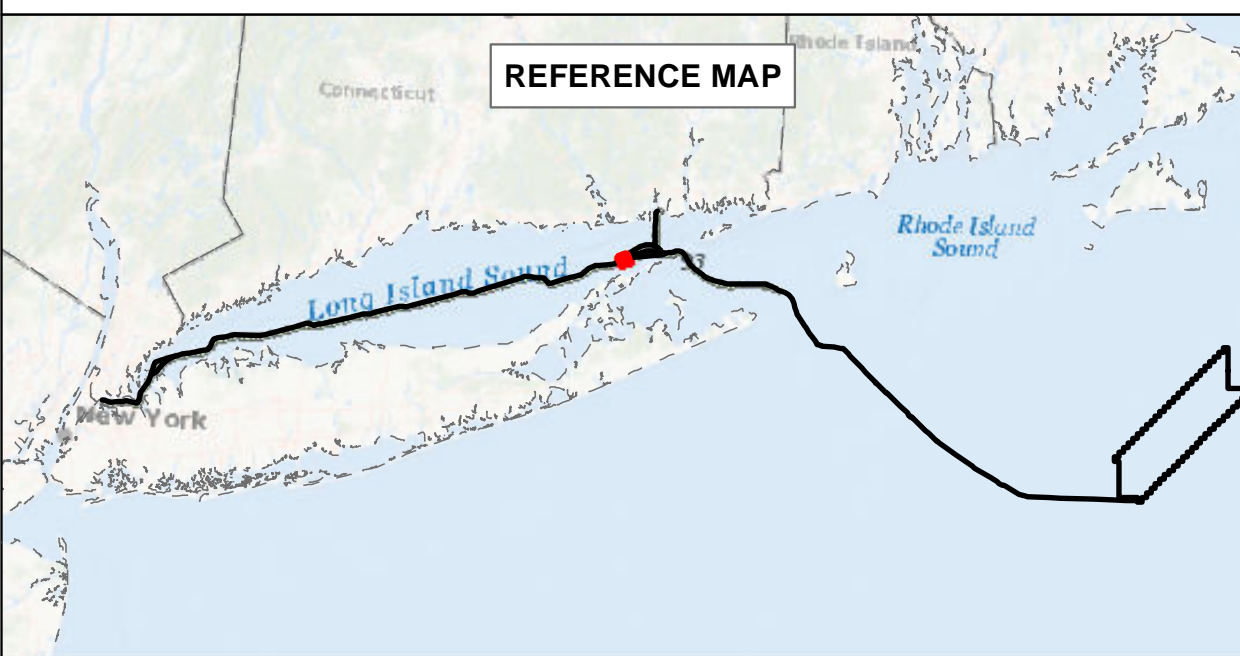


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| Grab and Video          | Sand and Muddy Sand/Soft Bottom Habitat                          |
| SPI/PV                  | Mixed Sediment/Complex Habitat                                   |
| <b>CMECS Biotic</b>     | Habitat  |
| Soft Sediment Fauna     |  |
| <b>CMECS Substrate</b>  |  |
| Gravel Mix              |  |
| Gravelly Muddy Sand     |  |
| <b>CMECS Geoform</b>    |  |
| Burrows/Bioturbation    |  |
| <b>Benthic Features</b> |  |
| Megaripples             |  |
| Sand Ripples            |  |
| Waves                   |  |
- Note: 1) Legend only shows items visible in the current map extent.

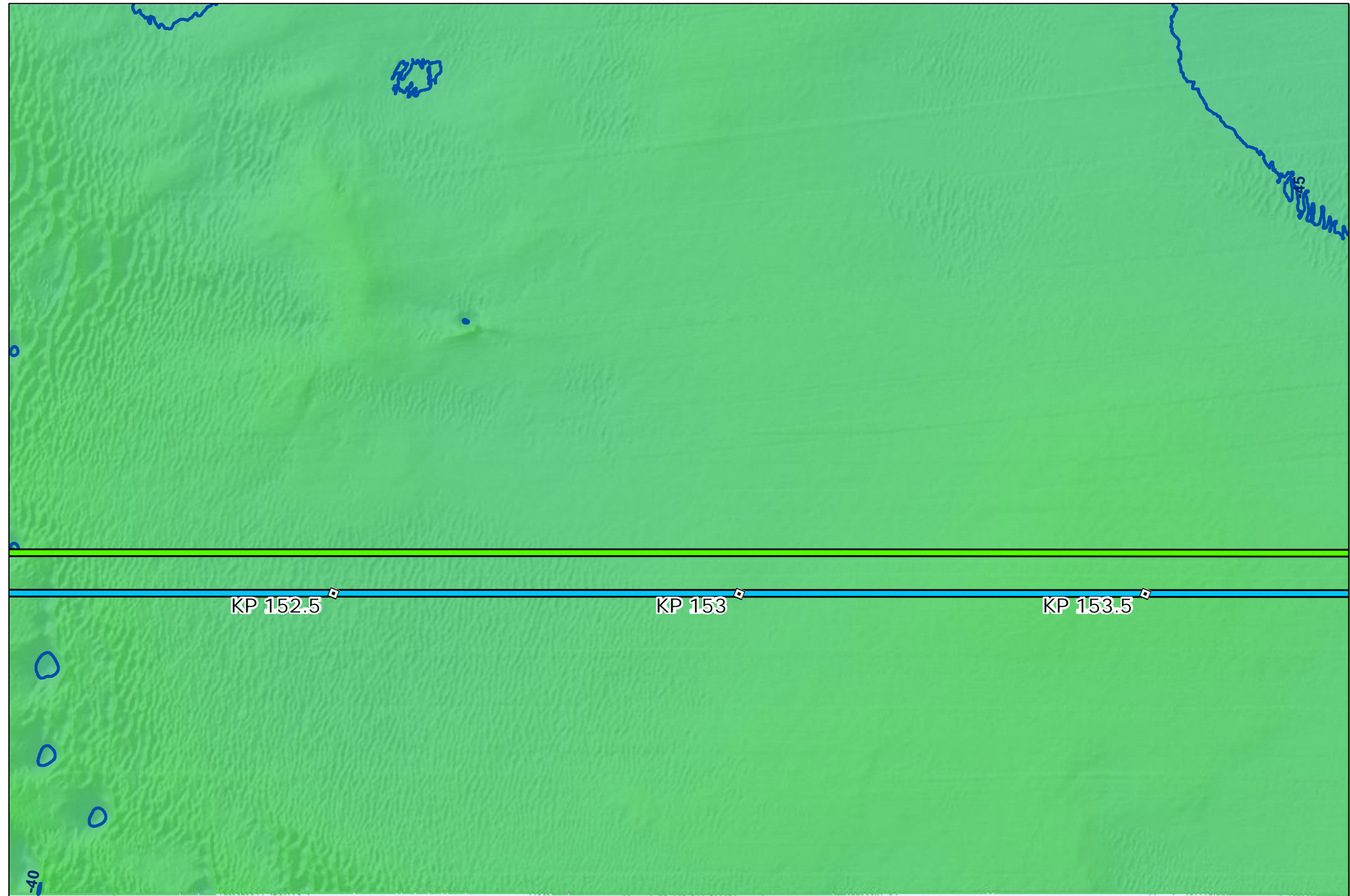
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

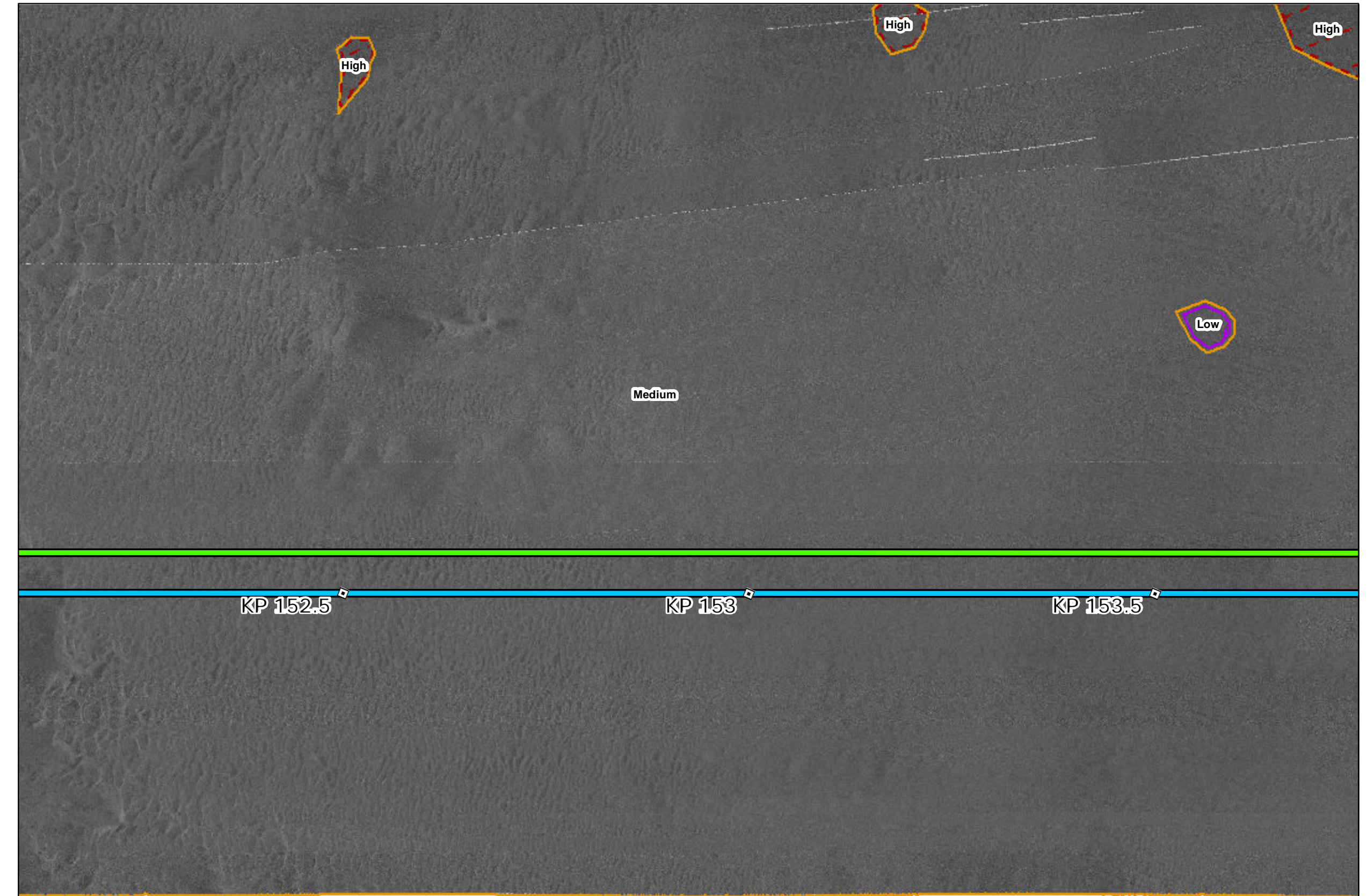
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 107

BW1 (NY) - KP 152.5 - KP 153.5  
BW2 (NY) - KP 152.5 - KP 153.5  
BW2 (CT) - N/A



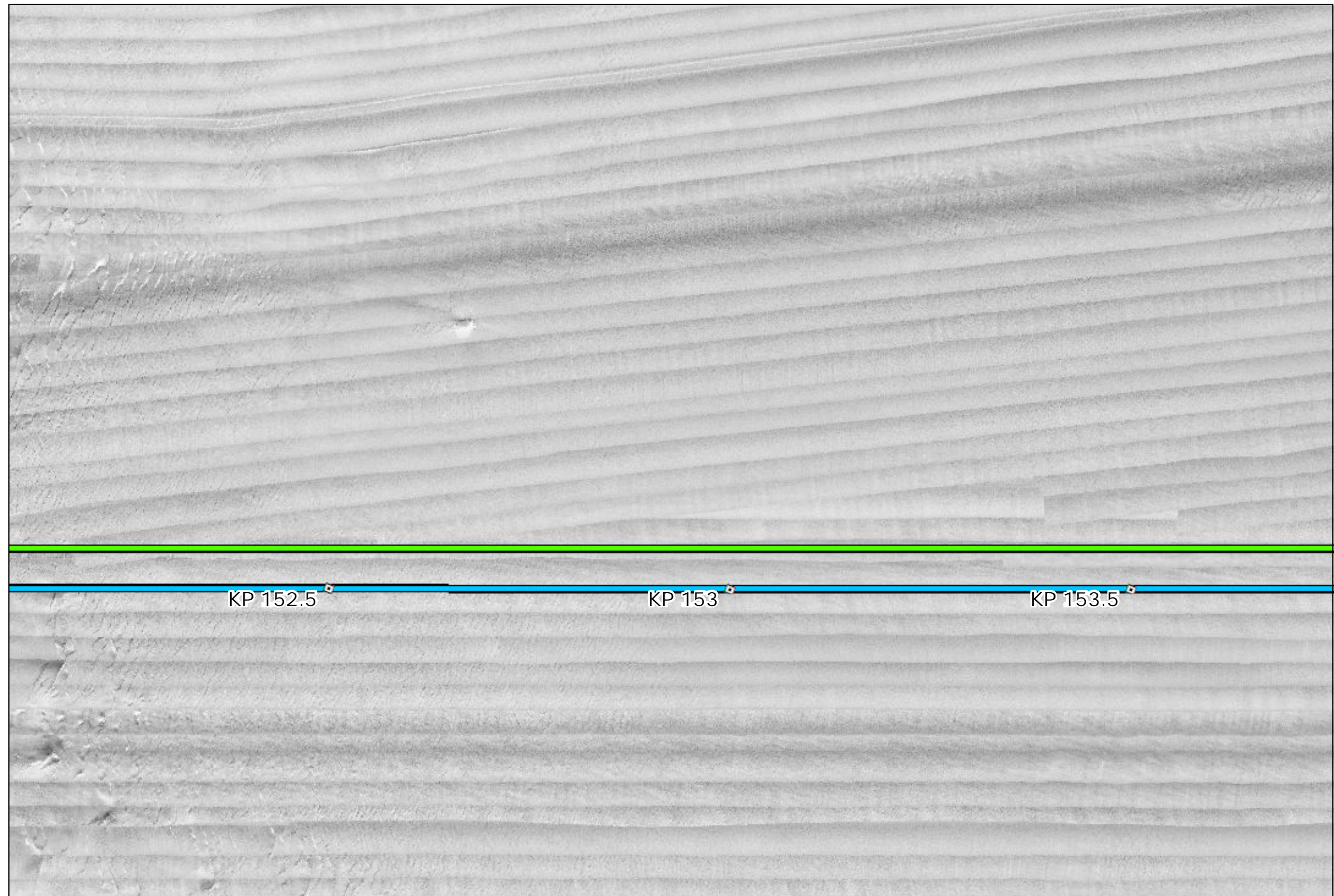
**Bathymetry**

Sources: ESRI (2019), Bathymetry (MMT, 2021)



**Backscatter**

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



**Side Scan Sonar**

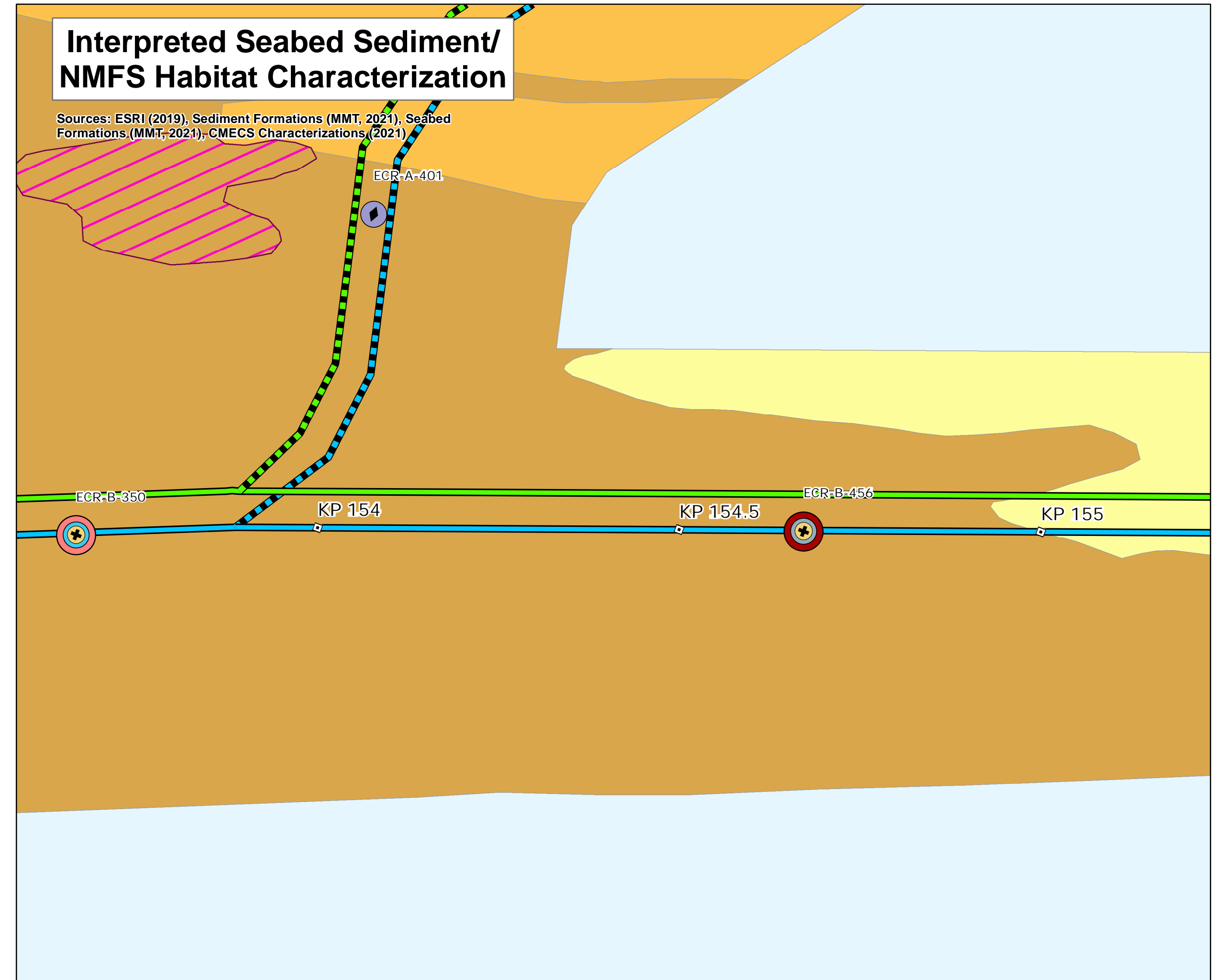
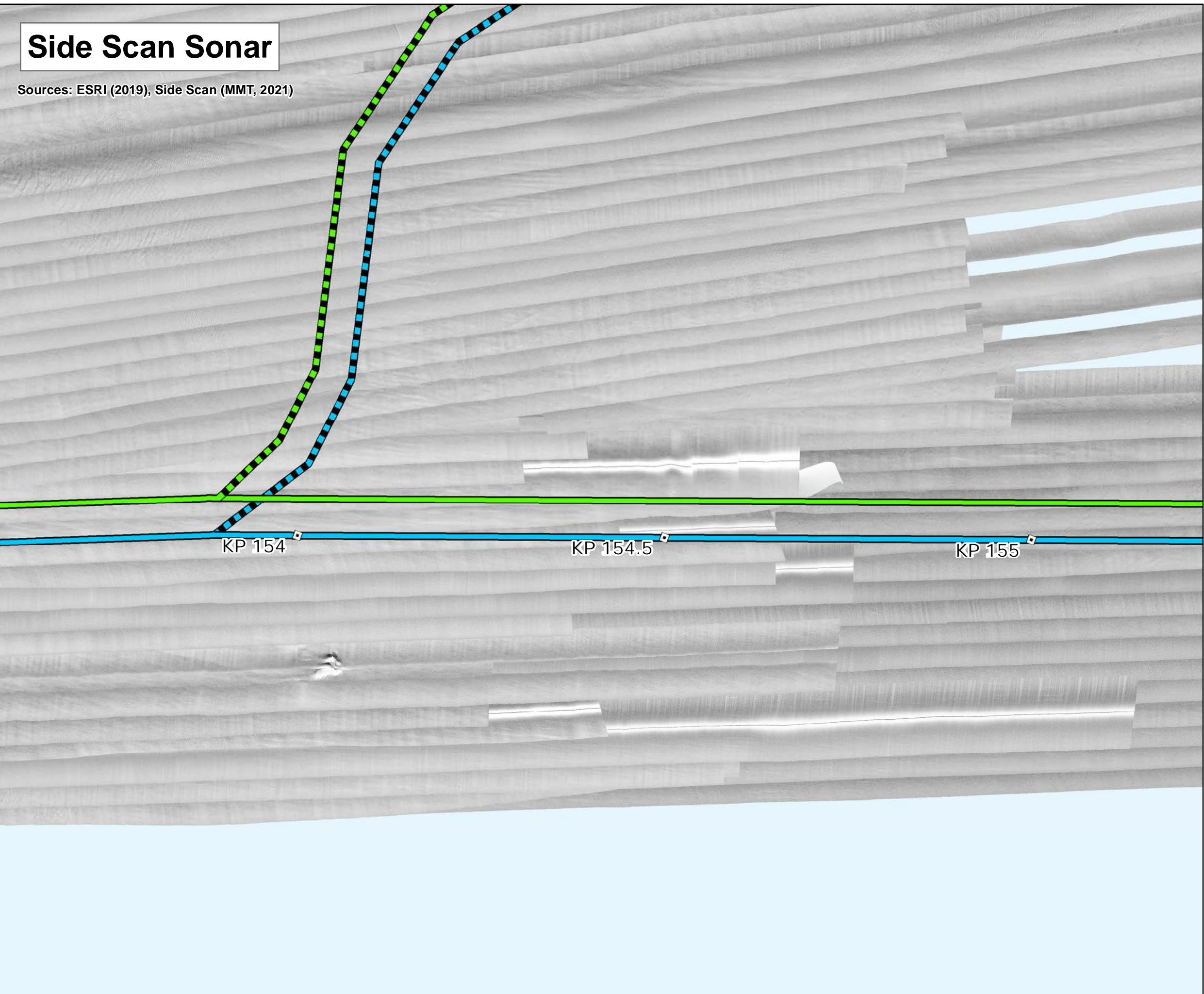
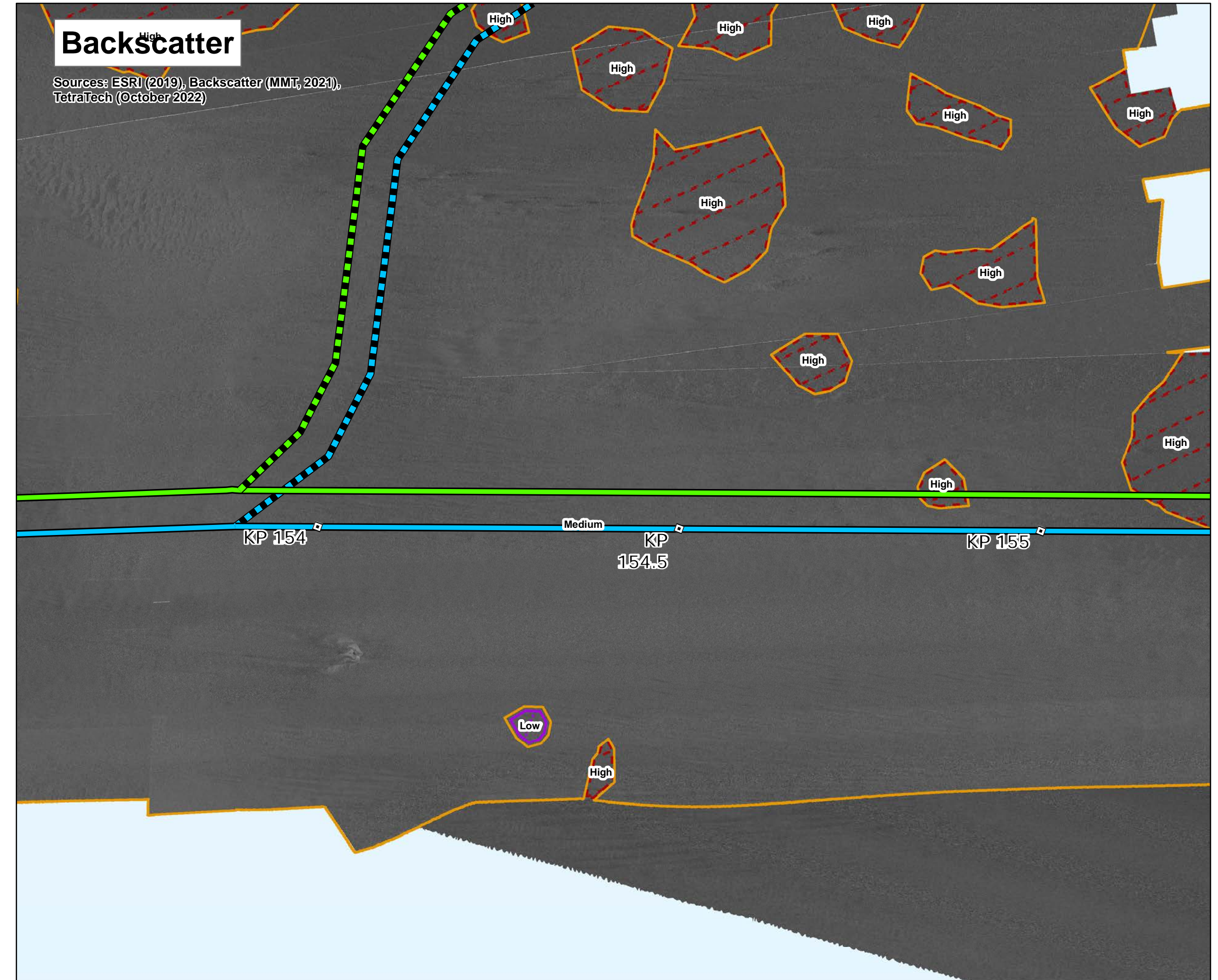
Sources: ESRI (2019), Side Scan (MMT, 2021)



**Interpreted Seabed Sediment/NMFS Habitat Characterization**

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)





### Map Book Package for Submarine Export Cable Route in State Waters

- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)

Major Contours (5m Interval)

-1 m (-3 ft) to -97 m (-318 ft)

#### Backscatter

##### Delineated Backscatter Intensity Returns

High (dashed red), Medium (orange), Low (purple)

Low to High

#### Side Scan Sonar

Low to High

#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

<b>Station Type</b> + Grab and Video ◆ SPI/PV <b>CMECS Biotic</b> ● Soft Sediment Fauna <b>CMECS Substrate</b> ● Gravelly ● Gravelly Muddy Sand ● Gravelly Sand <b>CMECS Geoform</b> ● Burrows/Bioturbation ● Flat	<b>Benthic Features</b> □ Sand Ripples <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> ● Mud and Sandy Mud/Soft Bottom Habitat ● Sand and Muddy Sand/Soft Bottom Habitat ● Mixed Sediment/Complex Habitat
---	---

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 5/22/2023  
Scale: 1:5000

**BEACON WIND LEASE AREA OCS-A 0520**

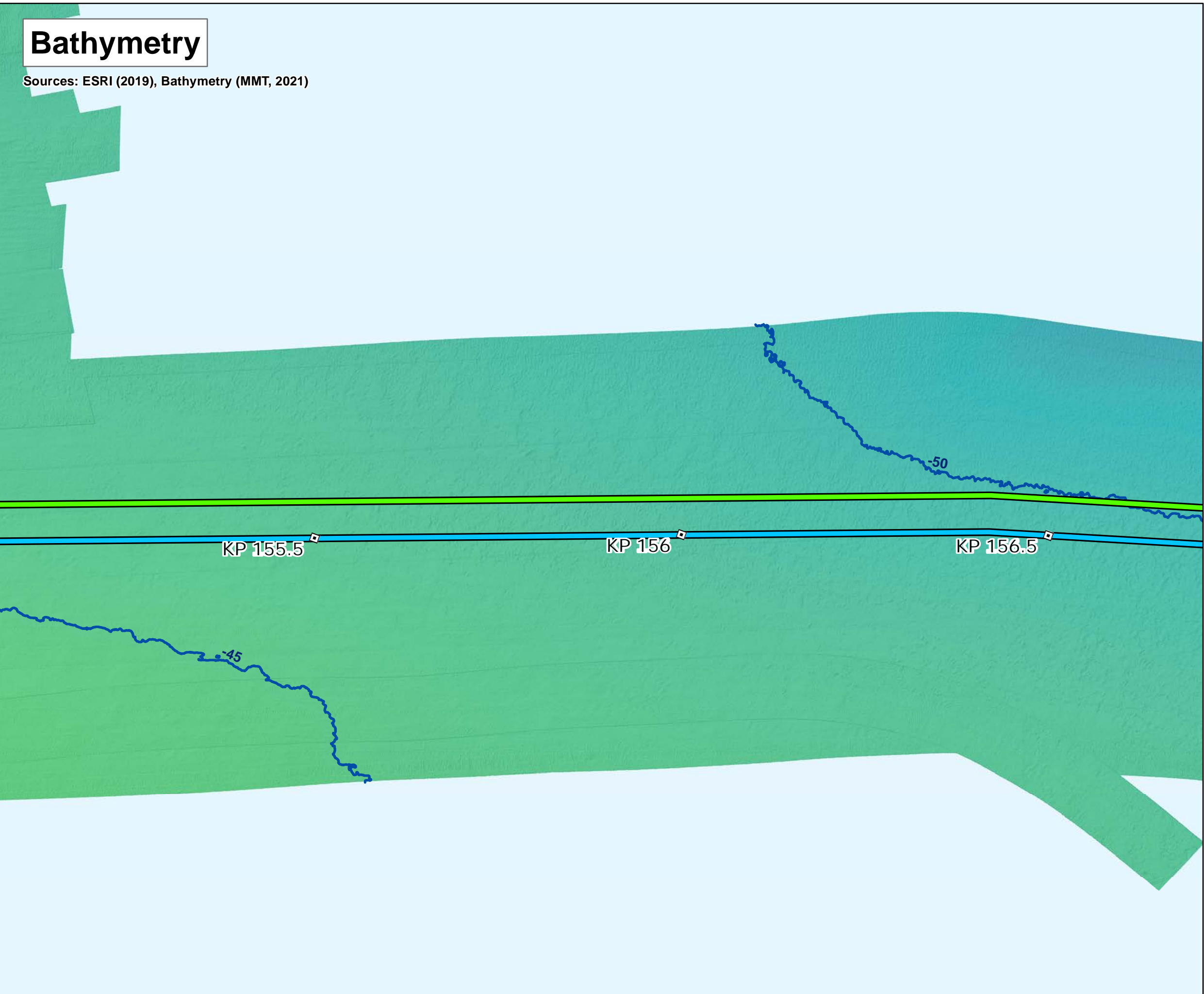
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 108

BW1 (NY) - KP 1534 - KP 155  
BW2 (NY) - KP 154 - KP 155  
BW2 (CT) - N/A



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



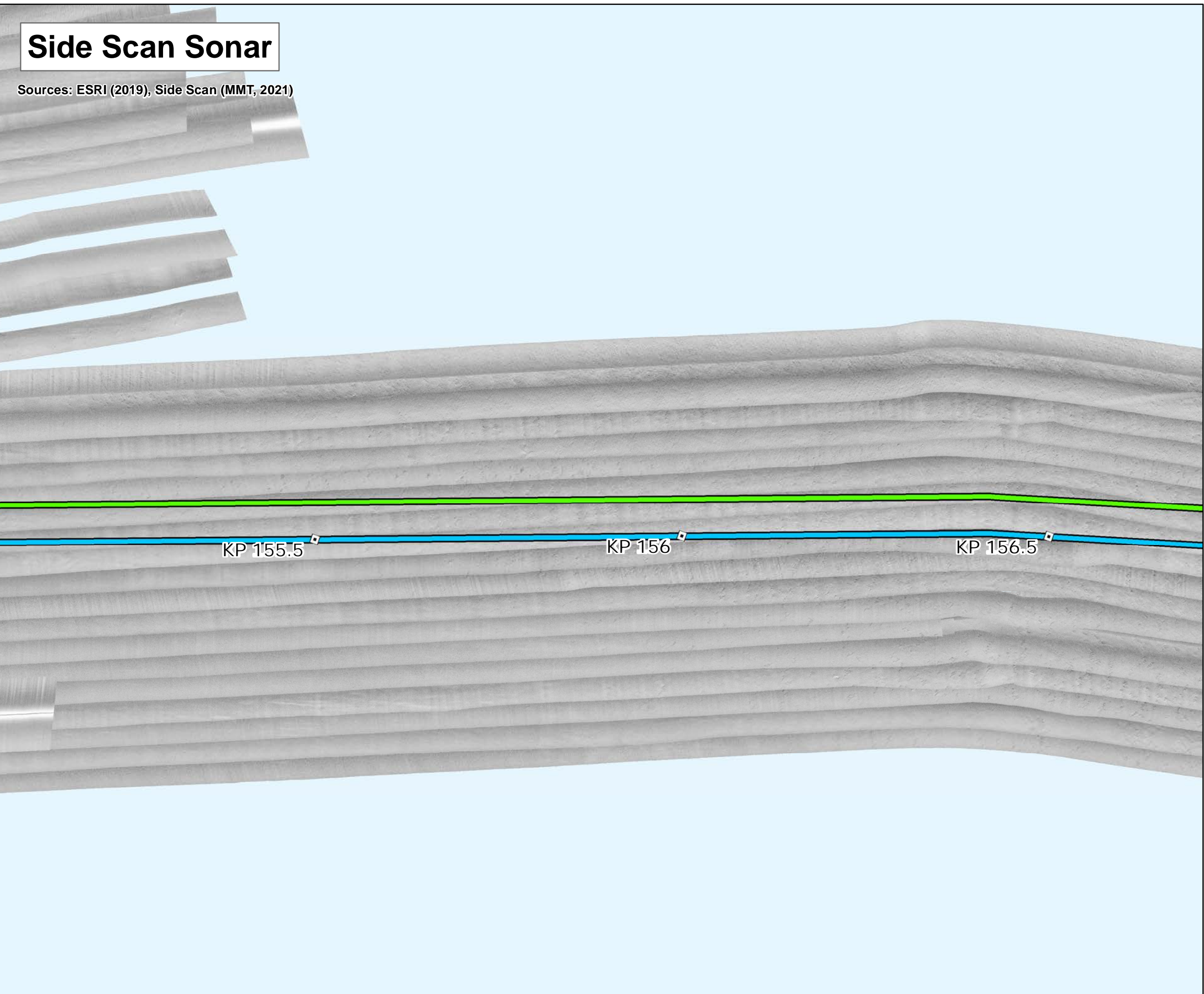
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



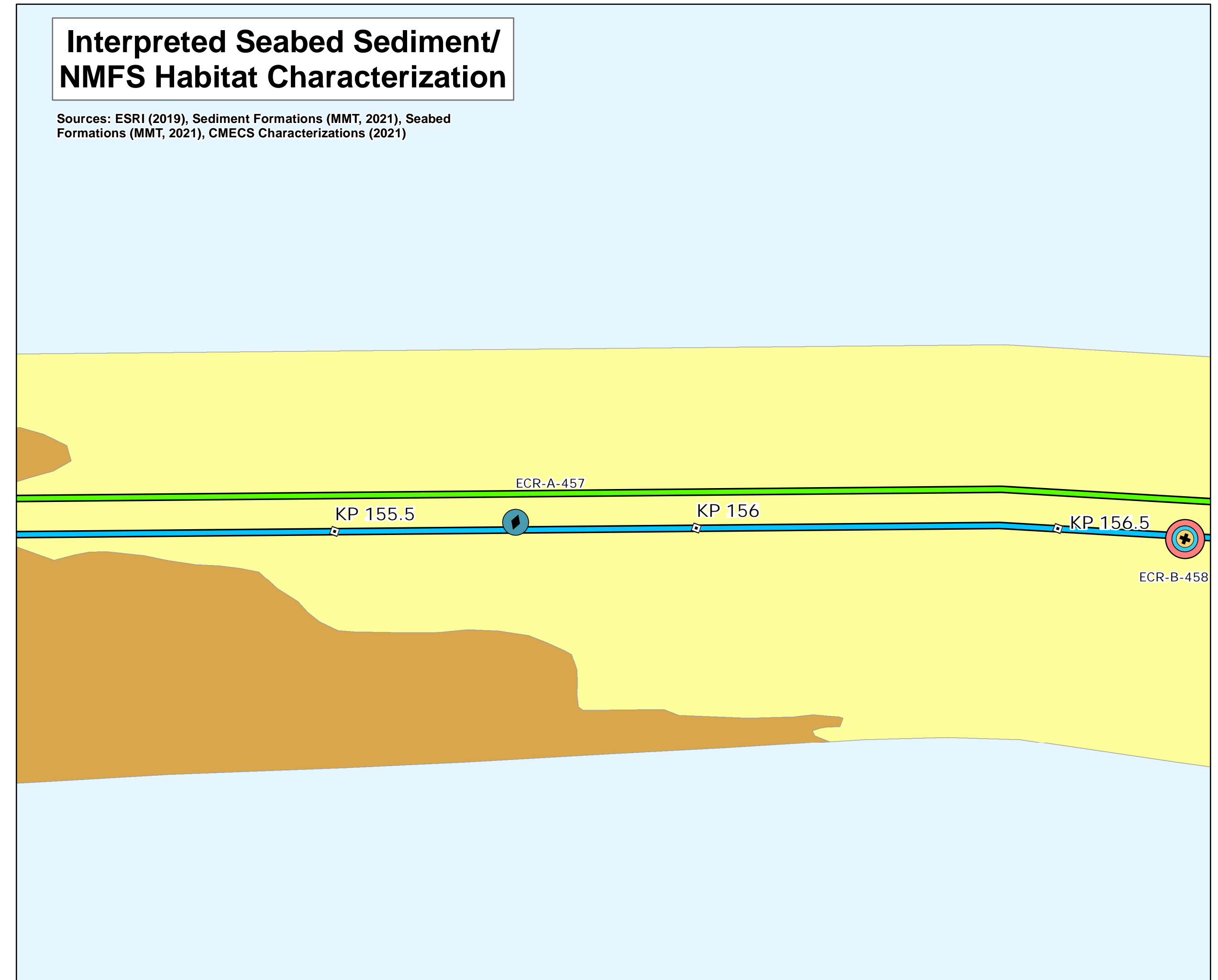
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

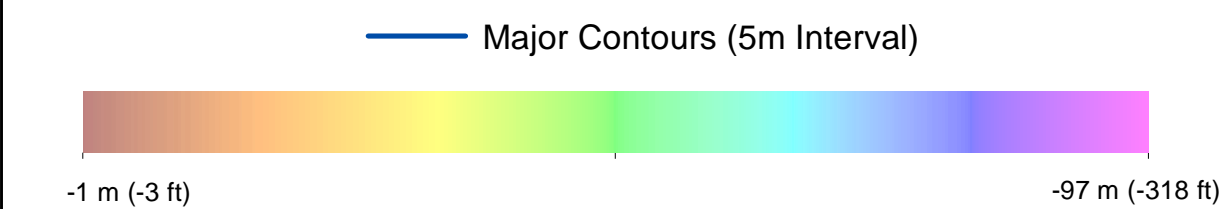


### Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)



#### Backscatter

##### Delineated Backscatter Intensity Returns



#### Side Scan Sonar

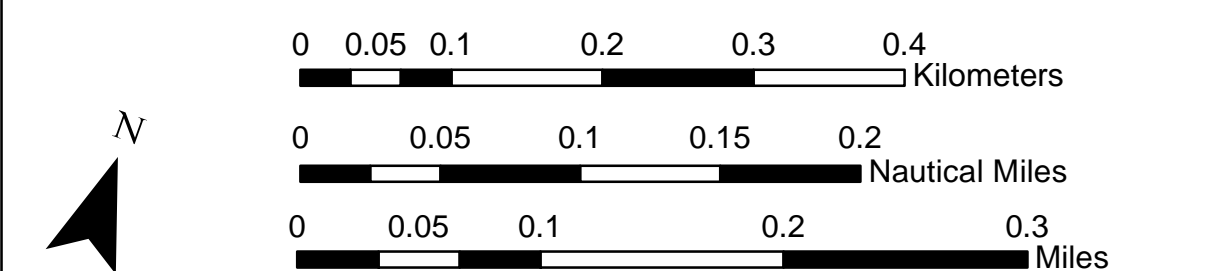
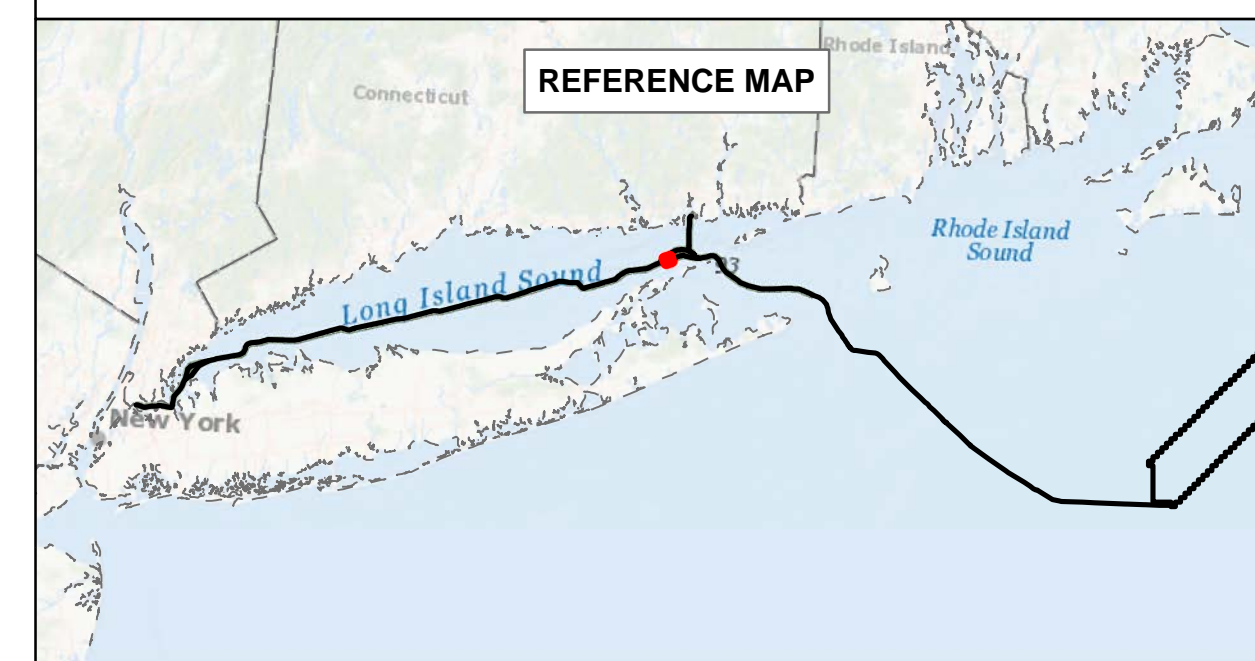


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravel Mix
  - Gravelly Muddy Sand
- CMECS Geform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Sand and Muddy Sand/Soft Bottom Habitat
  - Mud and Sandy Mud/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 5/22/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

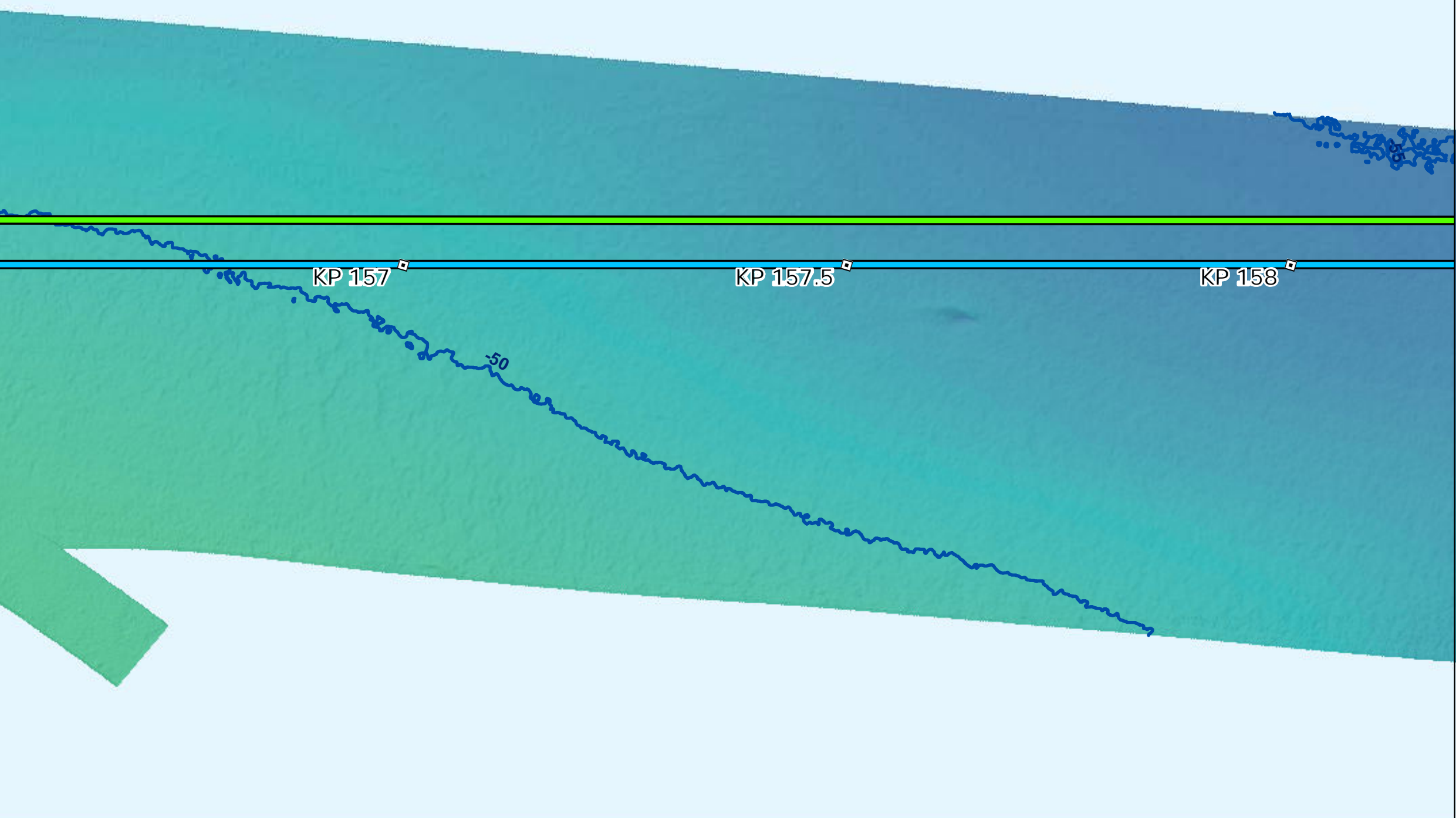
#### Map Book Package for Submarine Export Cable Route in State Waters Tile 109

BW1 (NY) - KP 155.5 - KP 156.5  
BW2 (NY) - KP 155.5 - KP 156.5  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



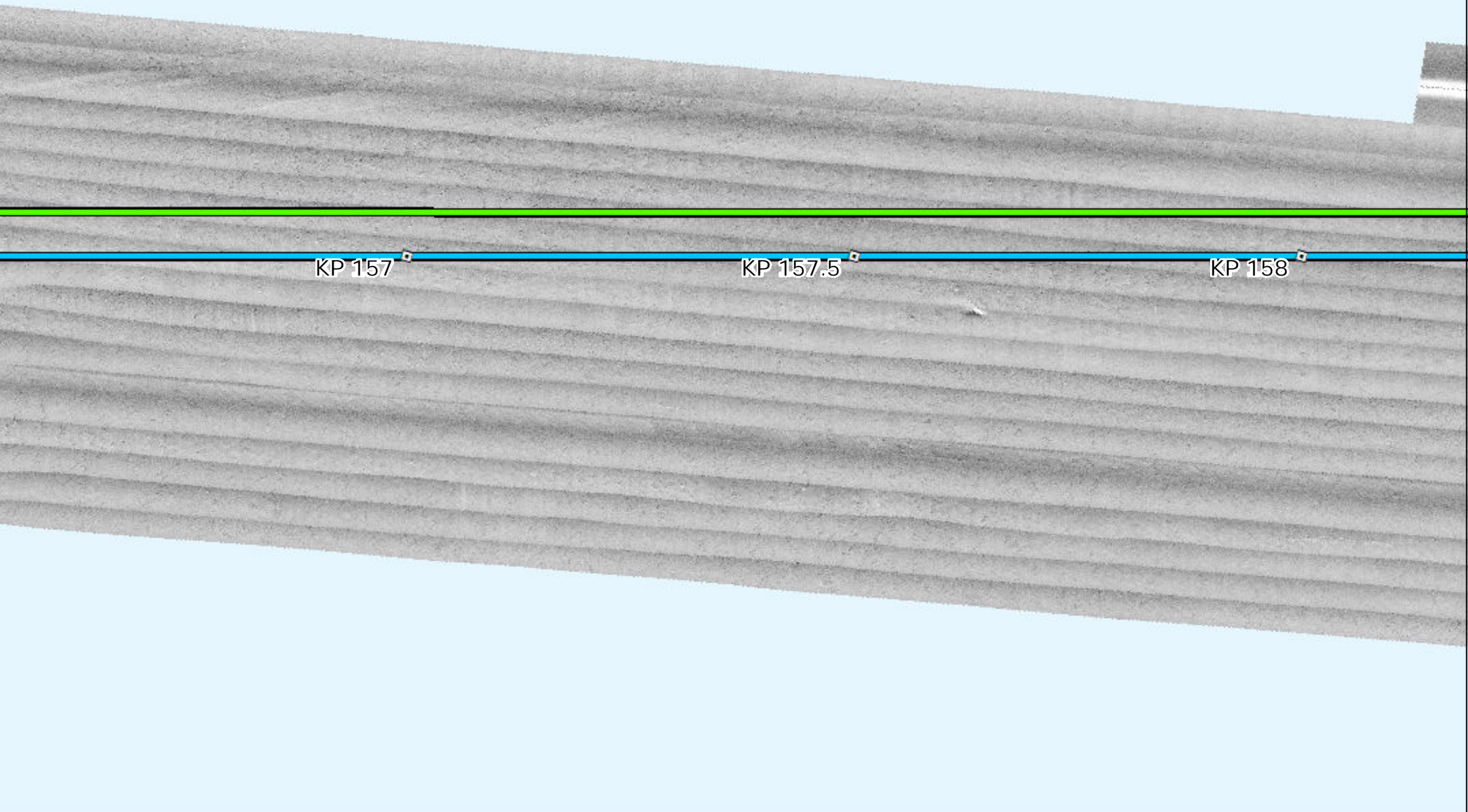
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



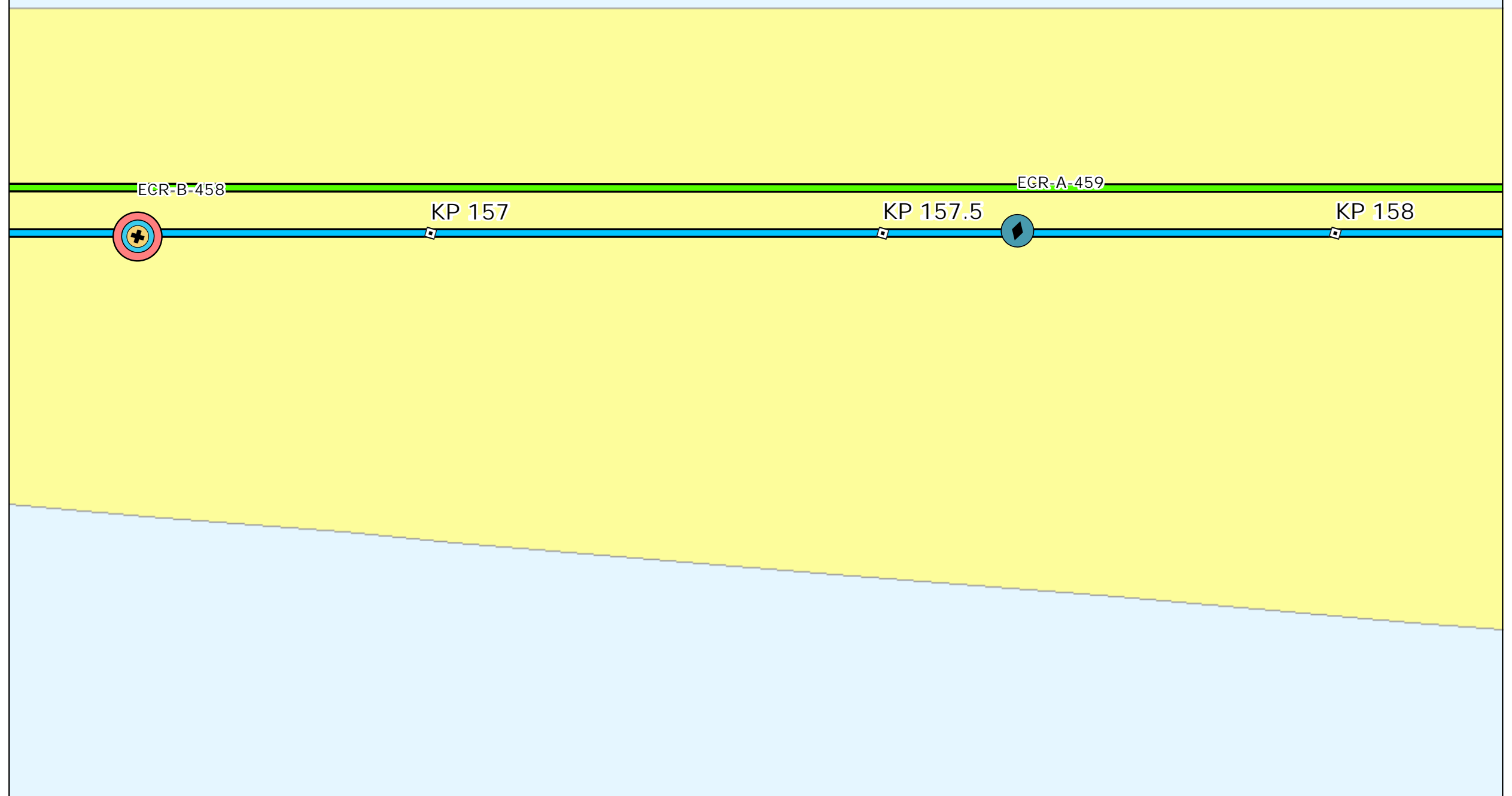
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

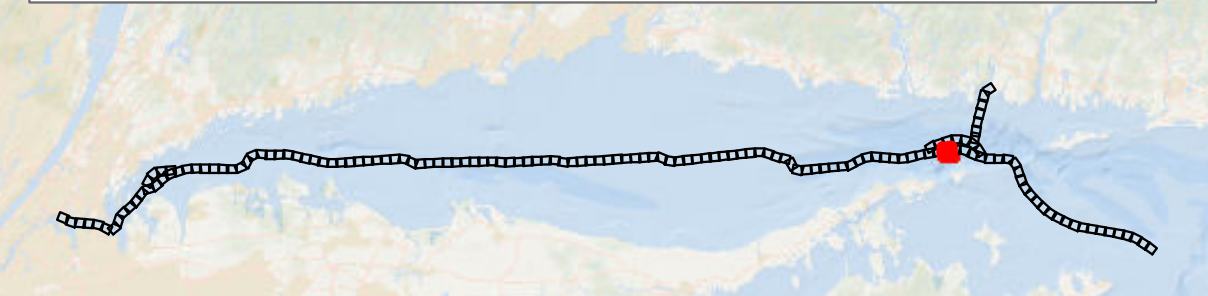


# Interpreted Seabed Sediment/ NMFS Habitat Characterization

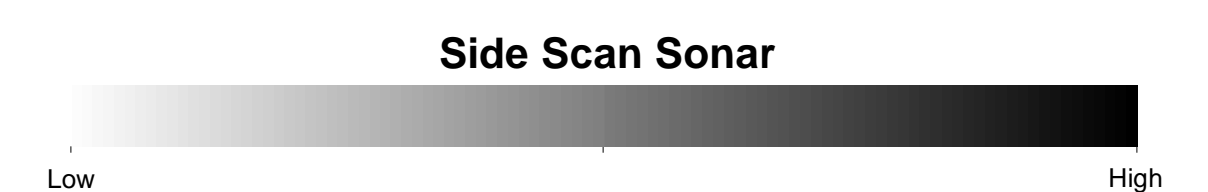
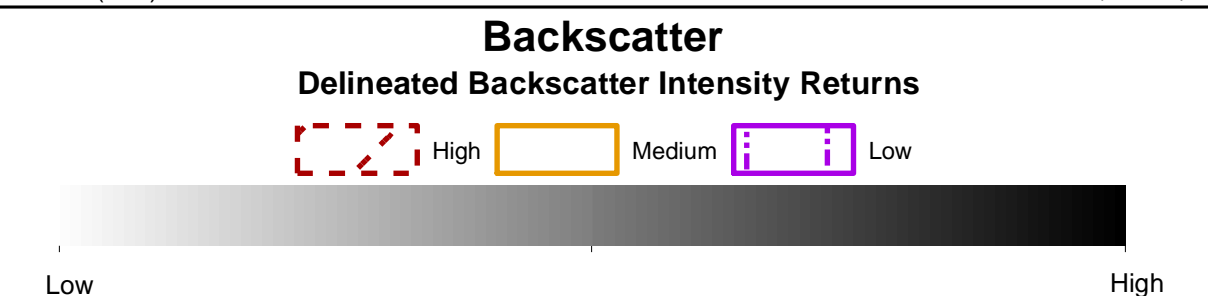
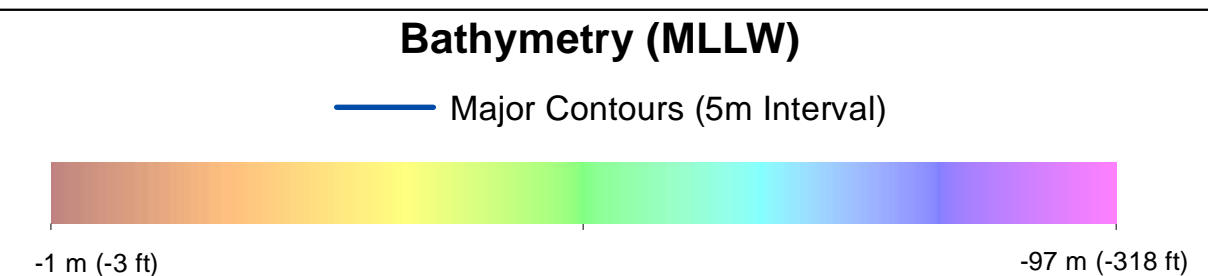
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

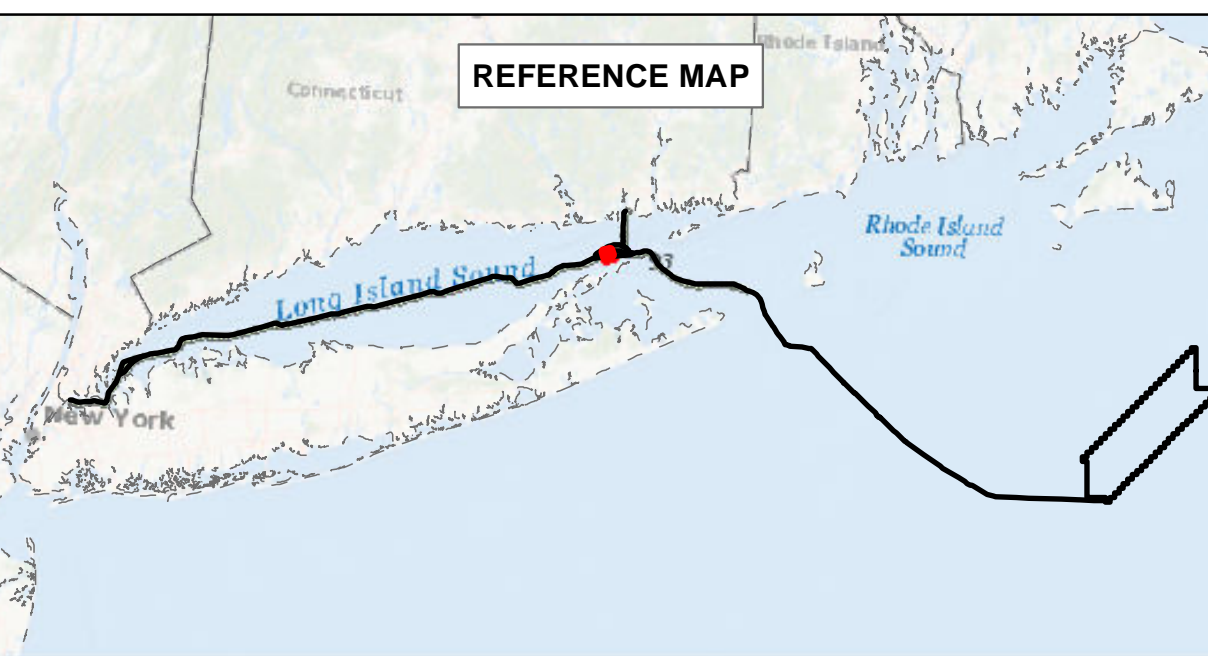


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ✦ Grab and Video
  - ◆ SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravel Mix
  - Gravelly Muddy Sand
- CMECS Geoform**
- Burrows/Bioturbation
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

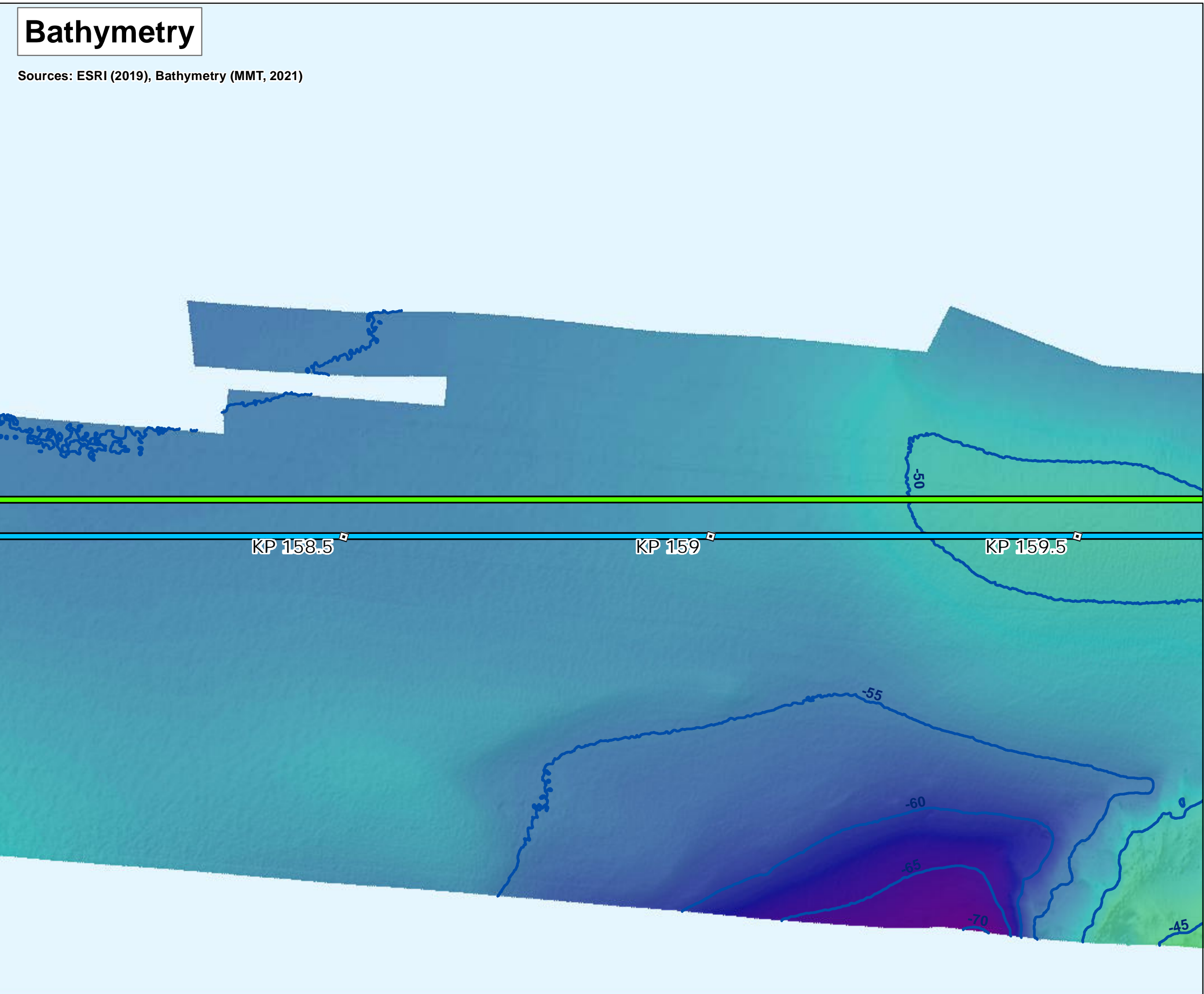
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 110

BW1 (NY) - KP 157 - KP 158  
BW2 (NY) - KP 157 - KP 158  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



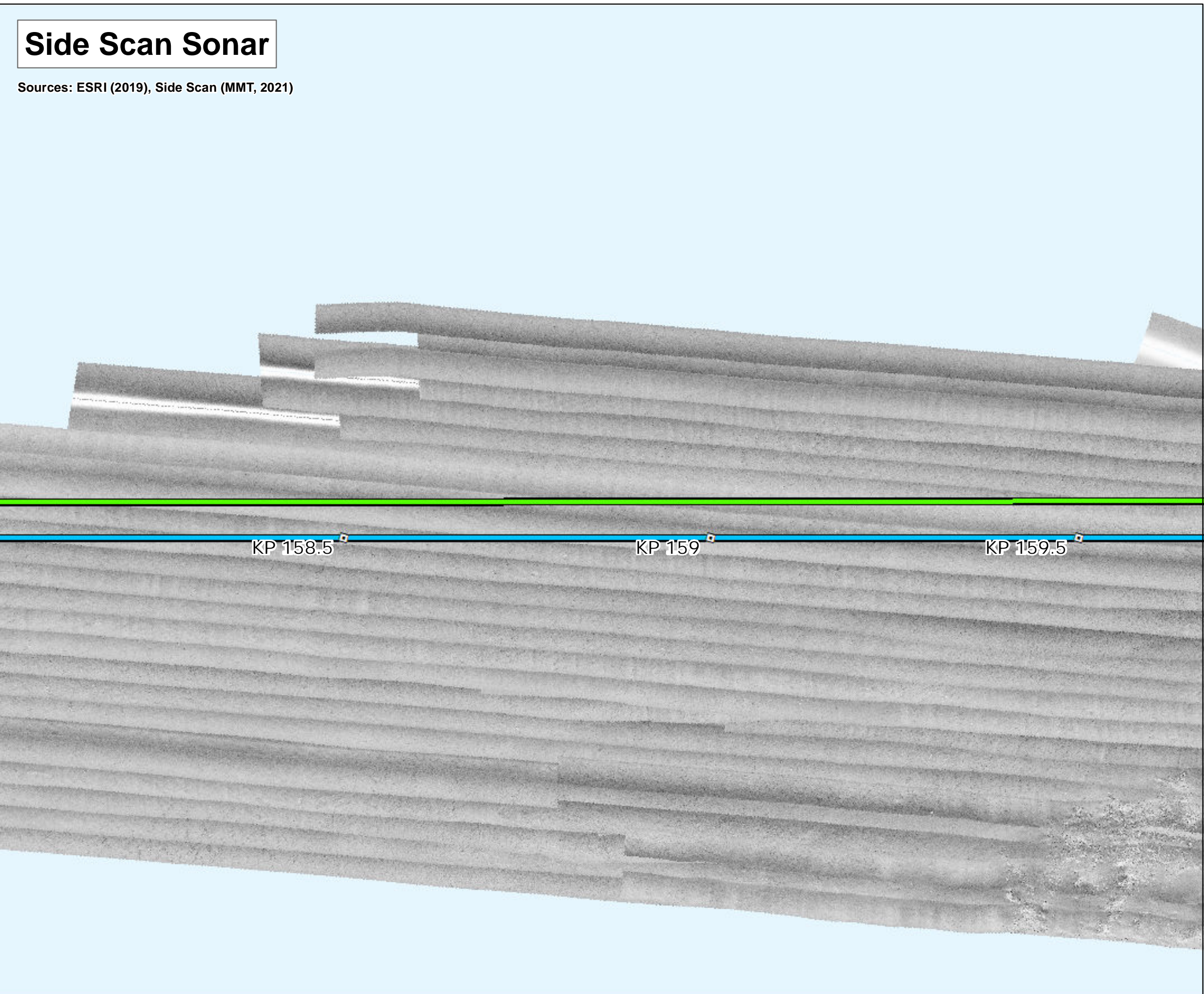
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



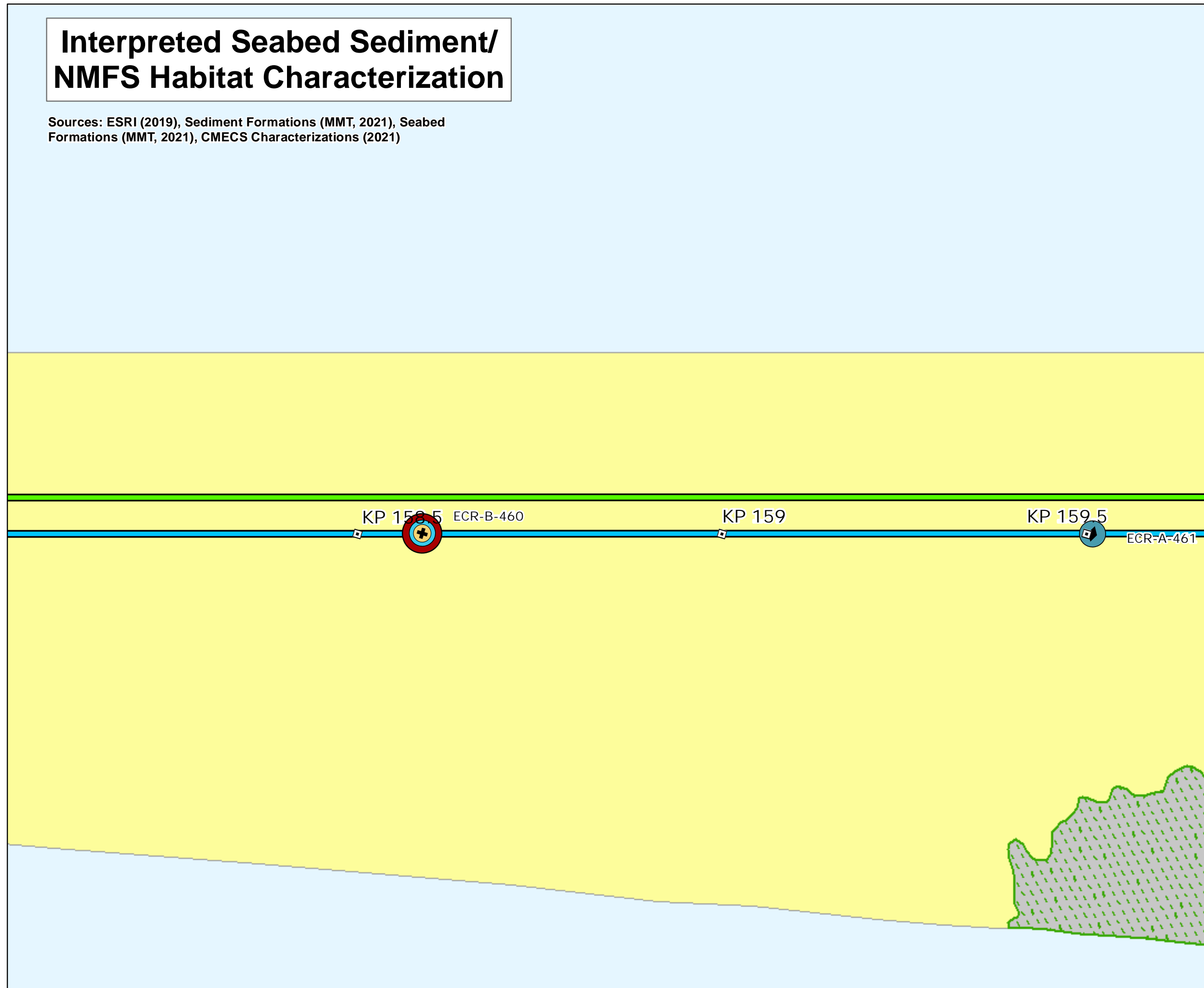
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

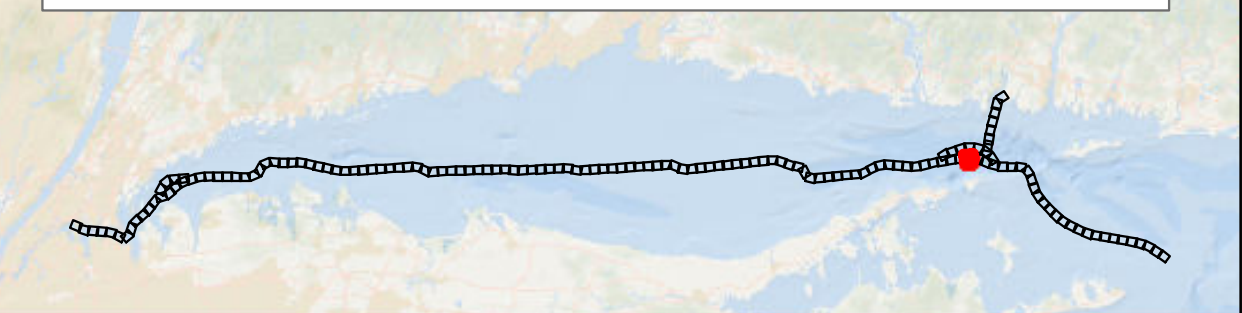


# Interpreted Seabed Sediment/NMFS Habitat Characterization

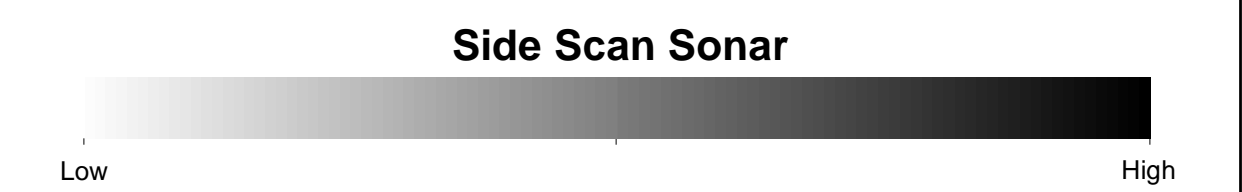
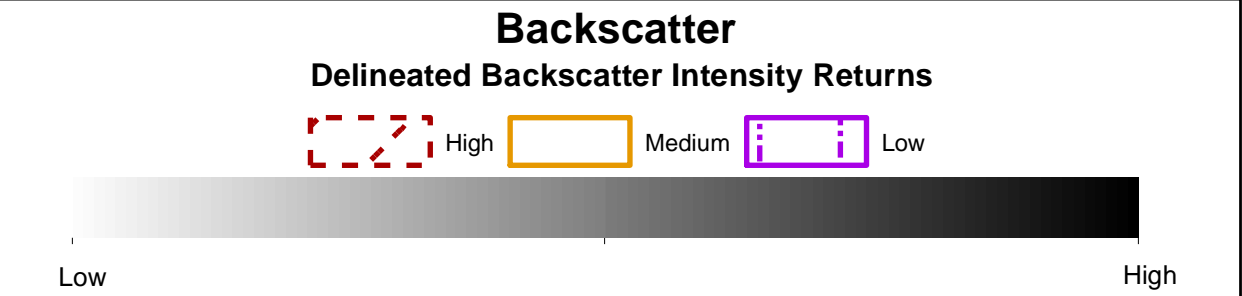
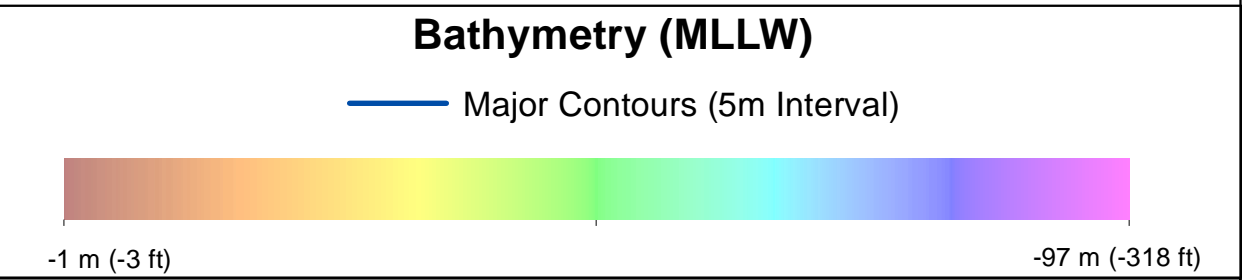
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

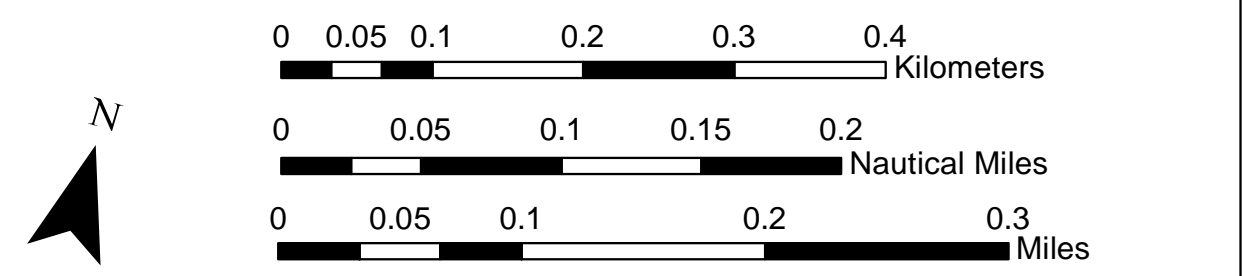
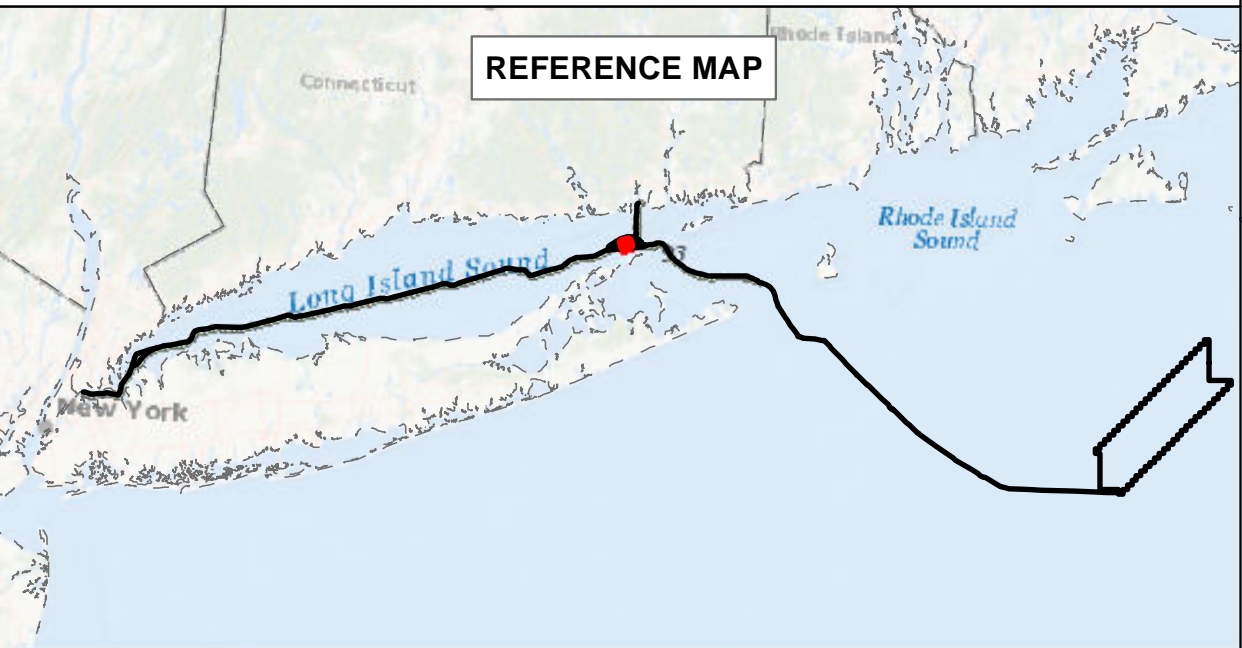


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- Grab and Video
  - SPI/PV
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Gravel Mix
  - Gravelly Muddy Sand
- CMECS Geoform**
- Flat
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Till/Complex Habitat
  - Numerous Boulders/Large Grained Complex Habitat
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

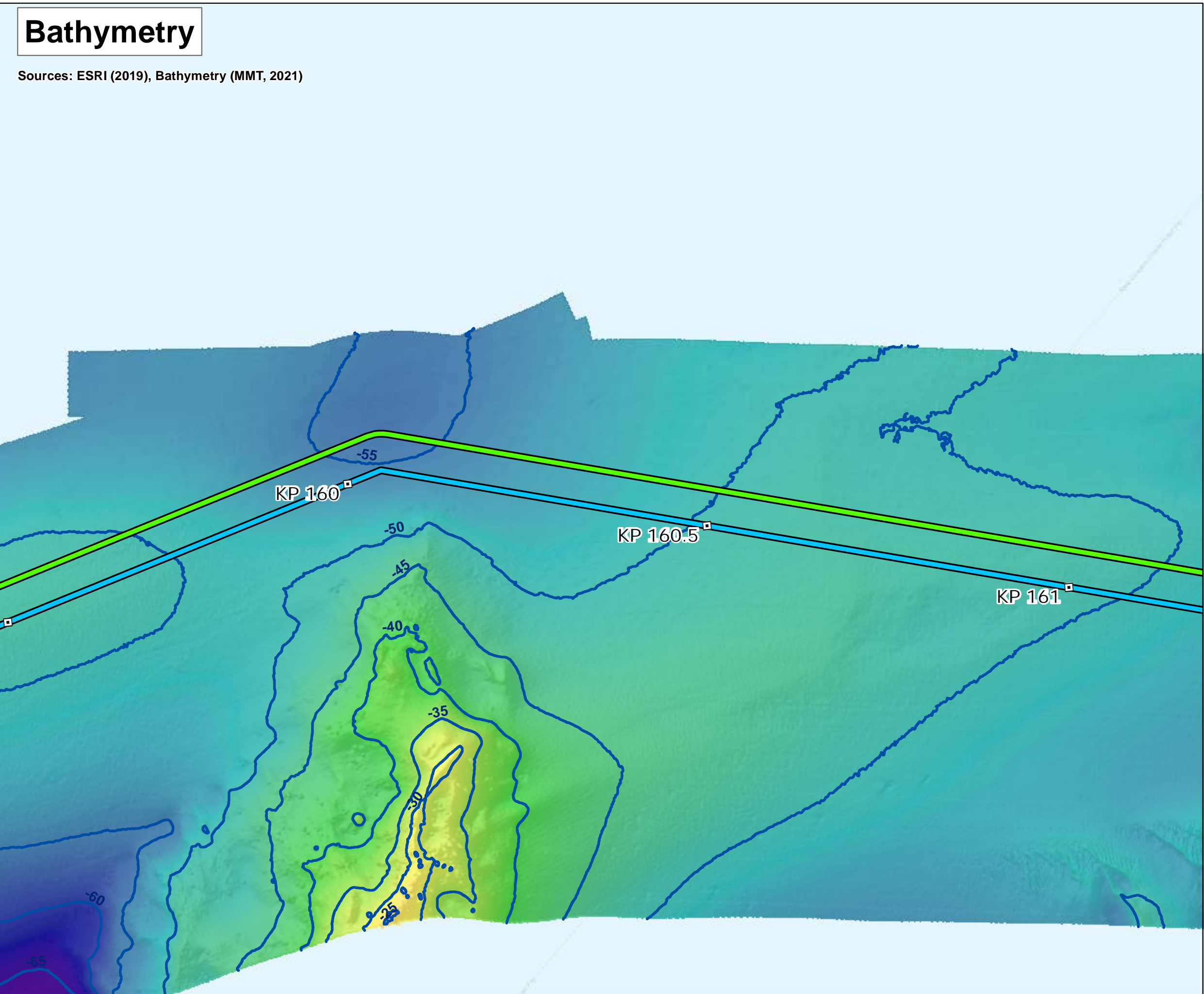
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 111

BW1 (NY) - KP 158.5 - KP 159.5  
BW2 (NY) - KP 158.5 - KP 159.5  
BW2 (CT) - N/A



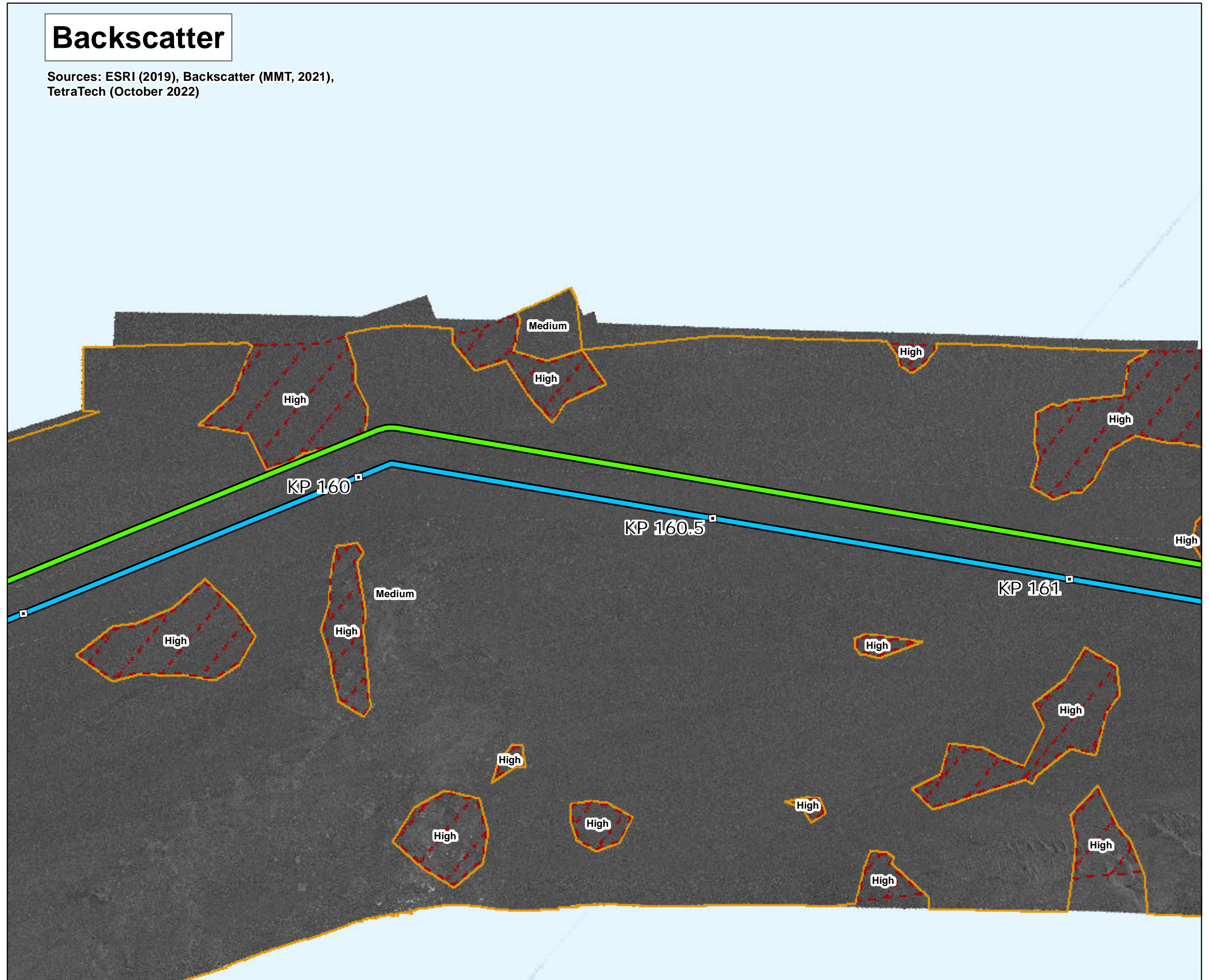
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



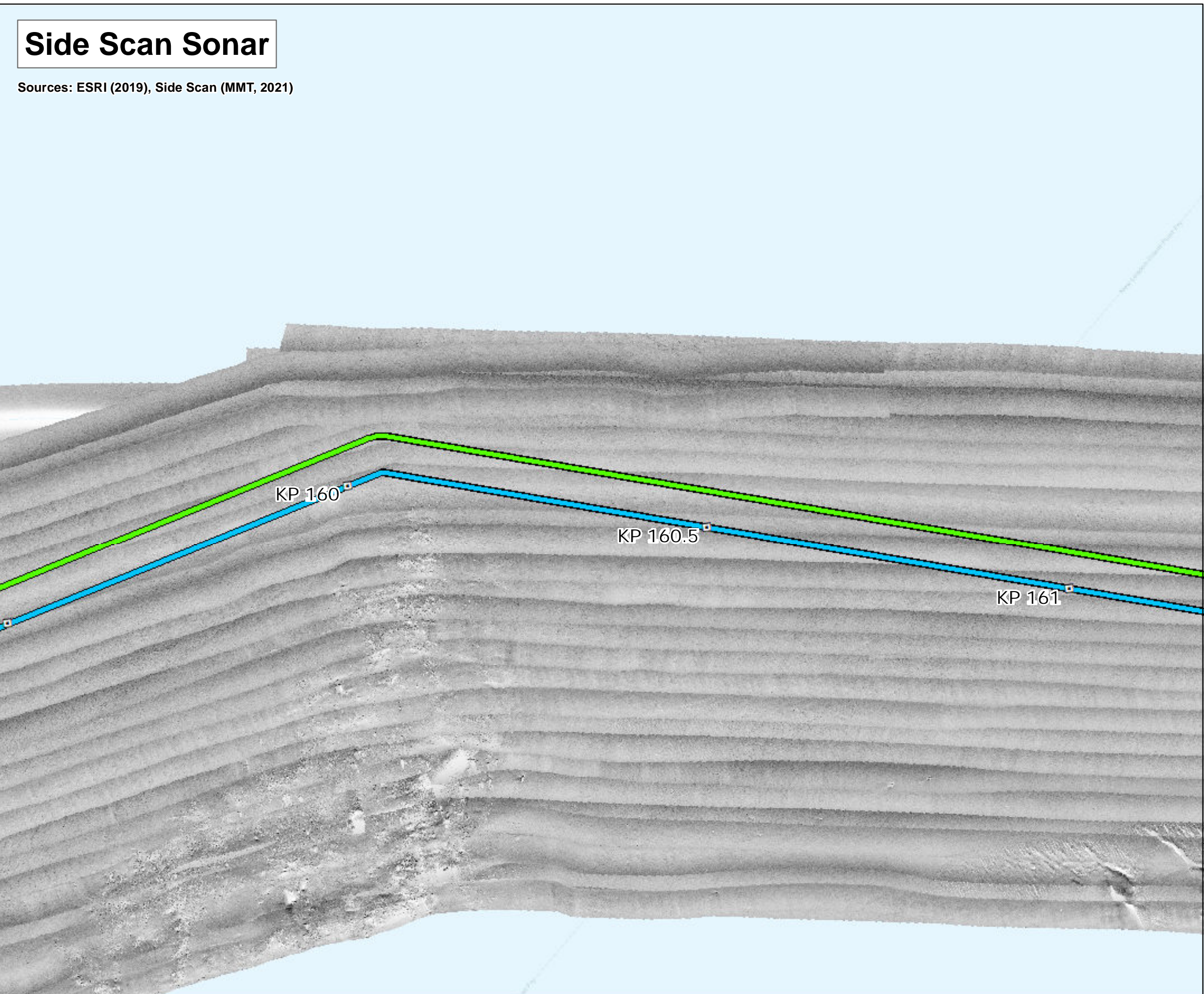
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



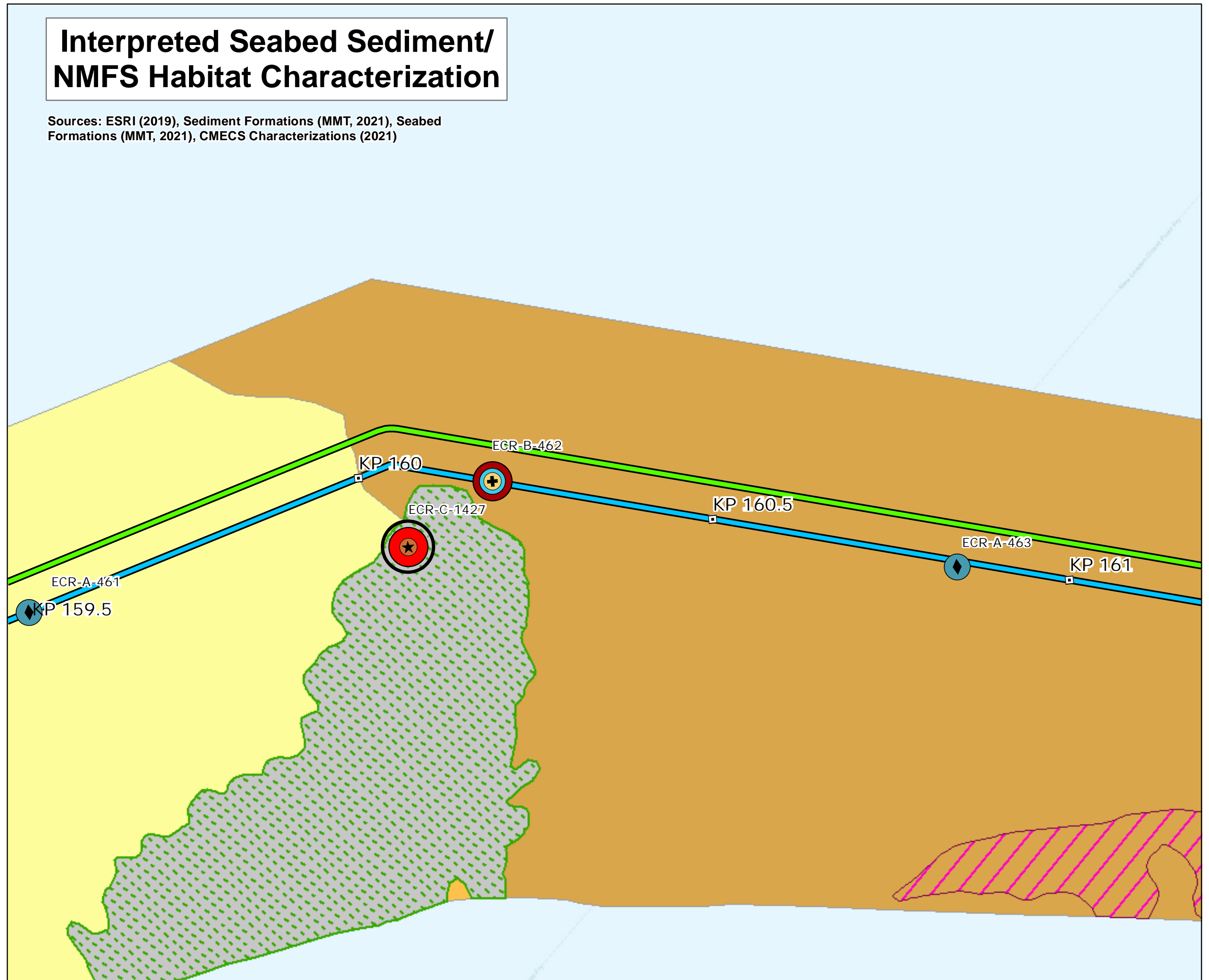
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

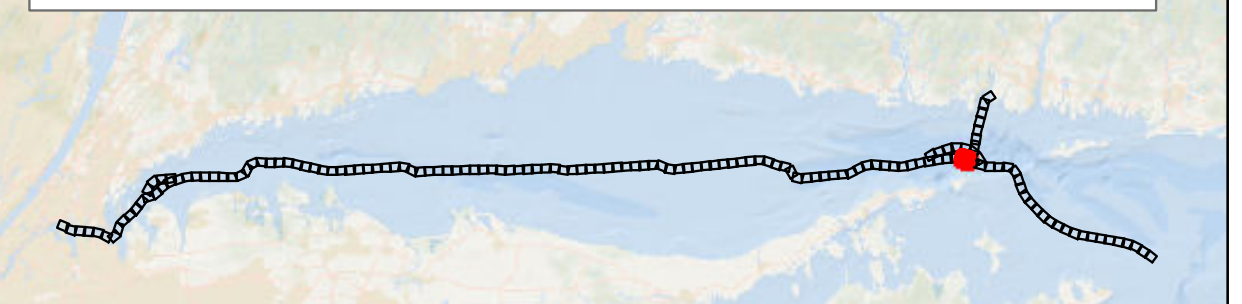


# Interpreted Seabed Sediment/NMFS Habitat Characterization

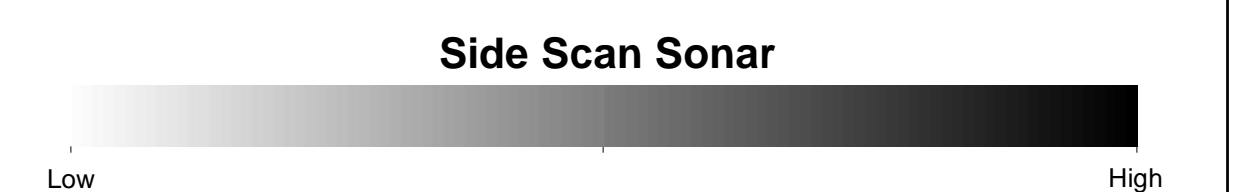
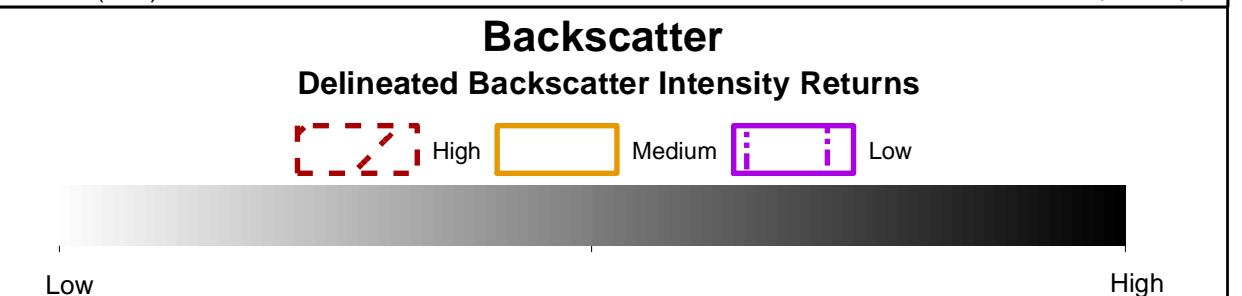
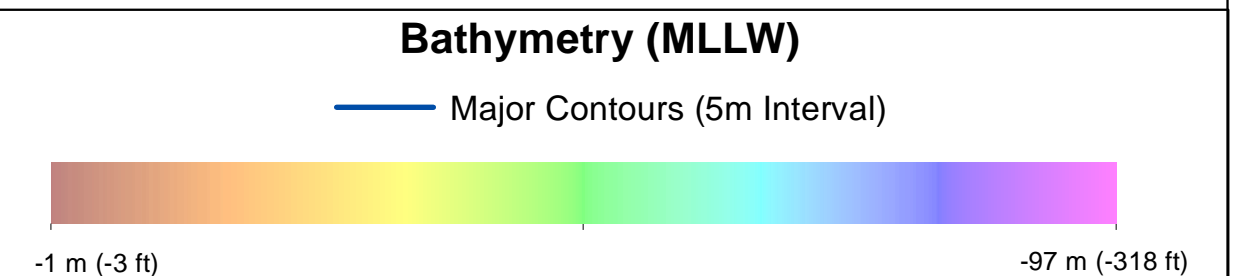
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

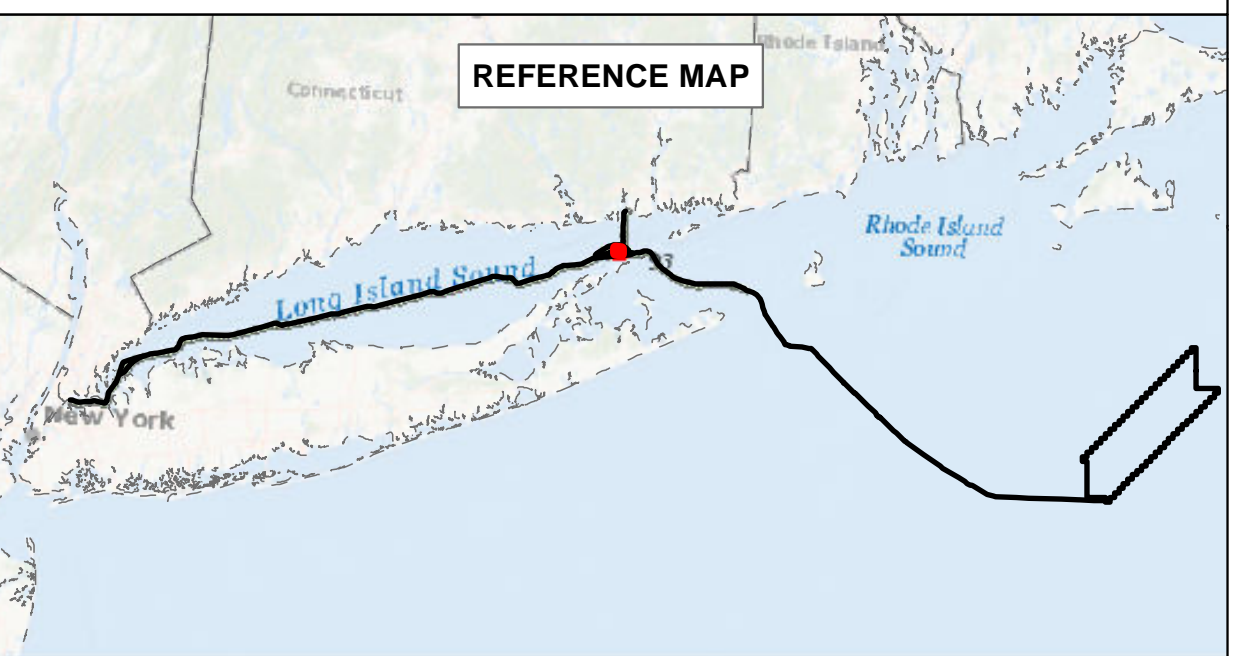


- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |  |
|--|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video     | ○ Northern Star Coral<br>■ Numerous Boulders/Large Grained Complex Habitat   |
| <b>CMECS Biotic</b><br>● Large Macrofauna<br>● Soft Sediment Fauna | <b>Benthic Features</b><br>▨ Sand Ripples  |
| <b>CMECS Substrate</b><br>● Gravel Mix<br>● Gravelly Muddy Sand    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>● Mud and Sandy Mud/Soft Bottom Habitat<br>● Sand and Muddy Sand/Soft Bottom Habitat<br>● Mixed Sediment/Complex Habitat |
| <b>CMECS Geoform</b><br>● Boulder Field<br>● Flat                  | ● Till/Complex Habitat   |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

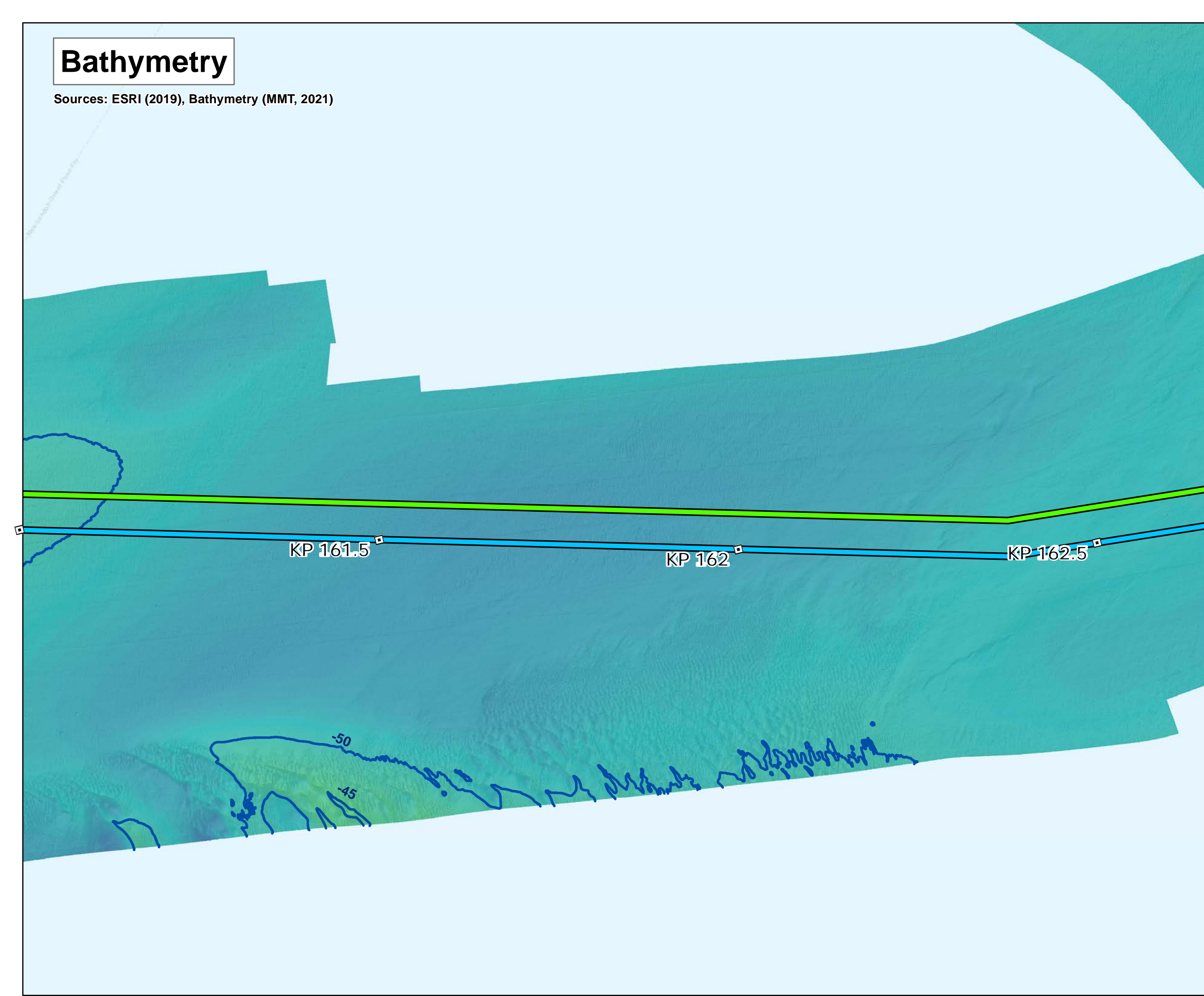


**BEACON WIND LEASE AREA OCS-A 0520**  
 Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 112  
 BW1 (NY) - KP 160 - KP 161  
 BW2 (NY) - KP 160 - KP 161  
 BW2 (CT) - N/A



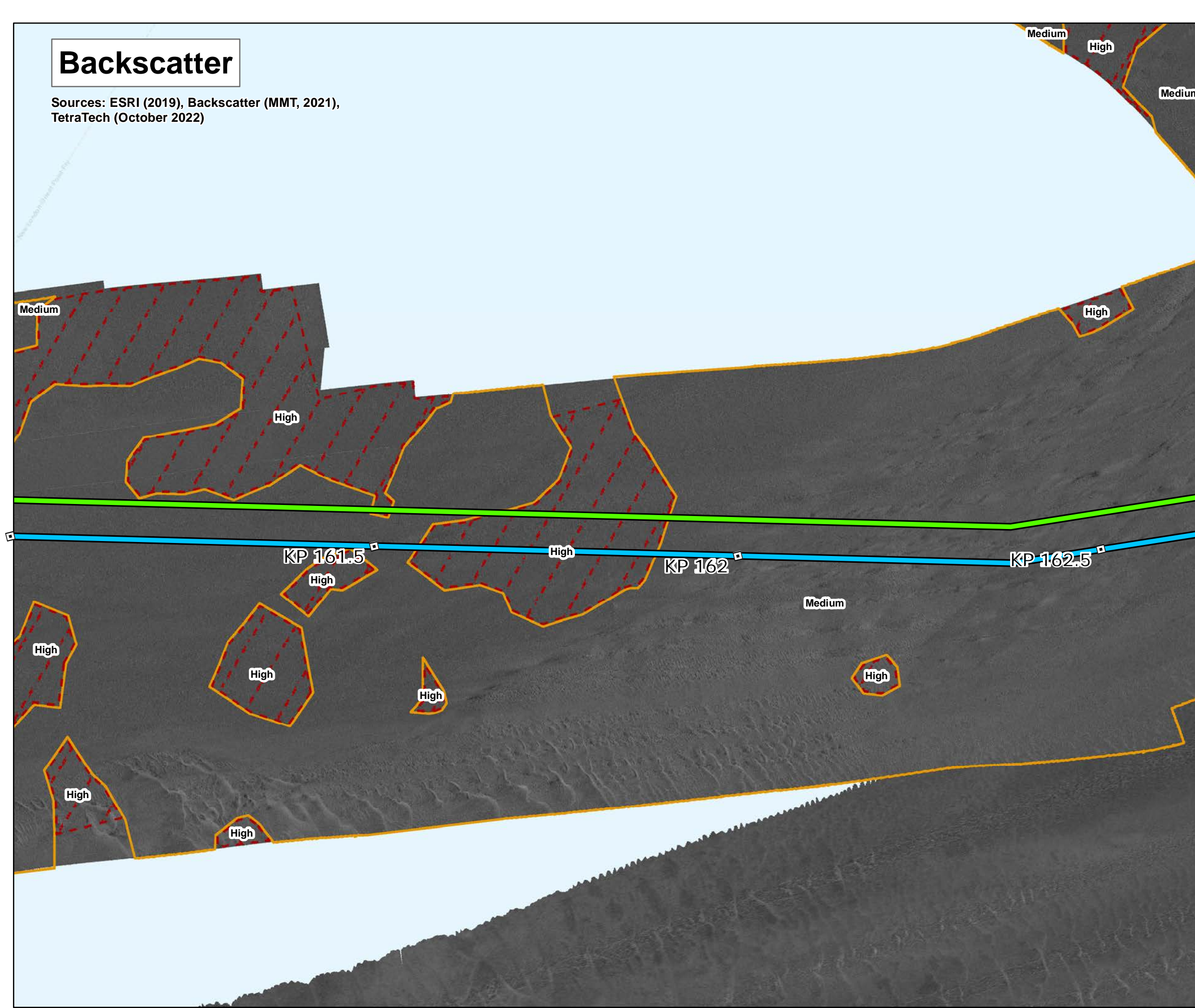
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



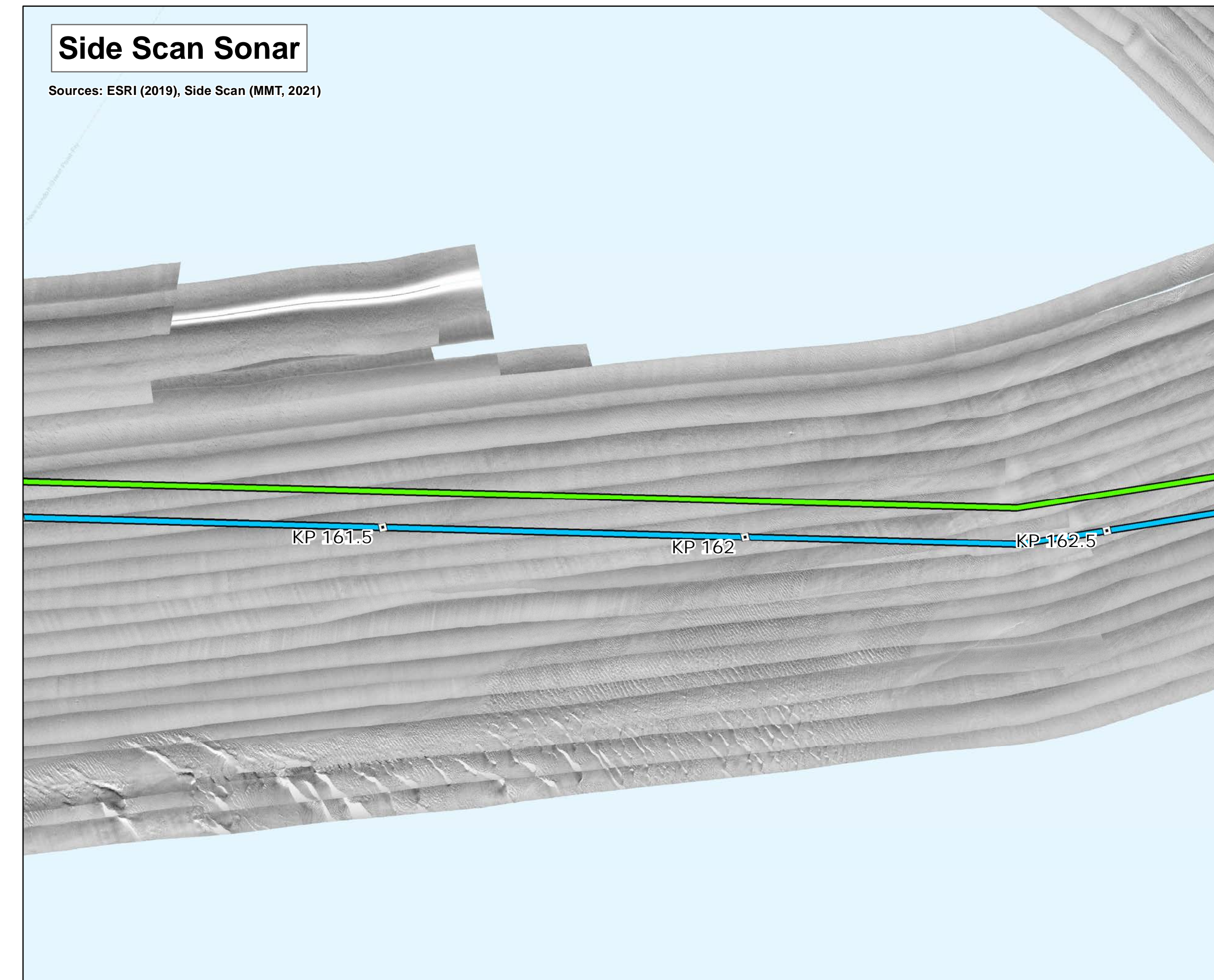
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



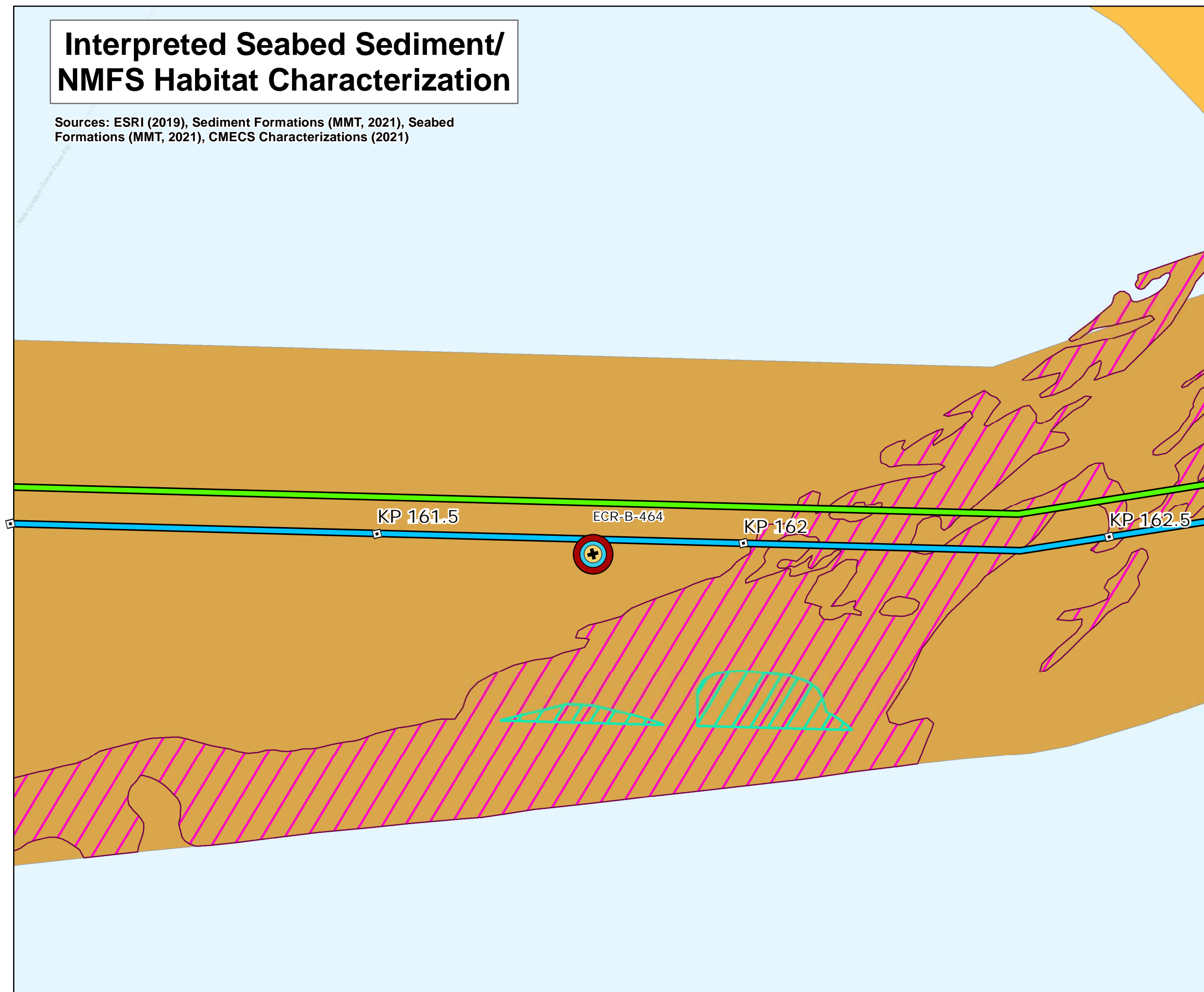
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



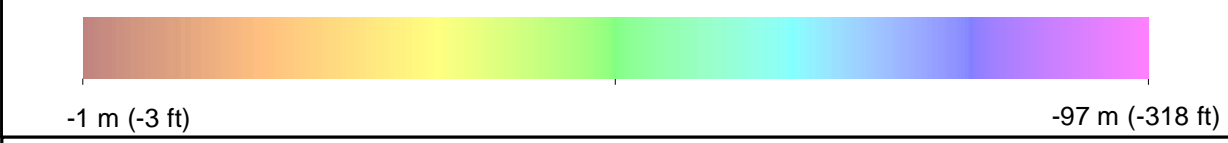
### Map Book Package for Submarine Export Cable Route in State Waters



- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)

Major Contours (5m Interval)



#### Backscatter

Delineated Backscatter Intensity Returns



#### Side Scan Sonar



#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

Station Type  
 Grab and Video

CMECS Biotic  
 Soft Sediment Fauna

CMECS Substrate  
 Gravelly Muddy Sand

CMECS Geomorph  
 Flat

Benthic Features  
 Megaripples  
 Sand Ripples

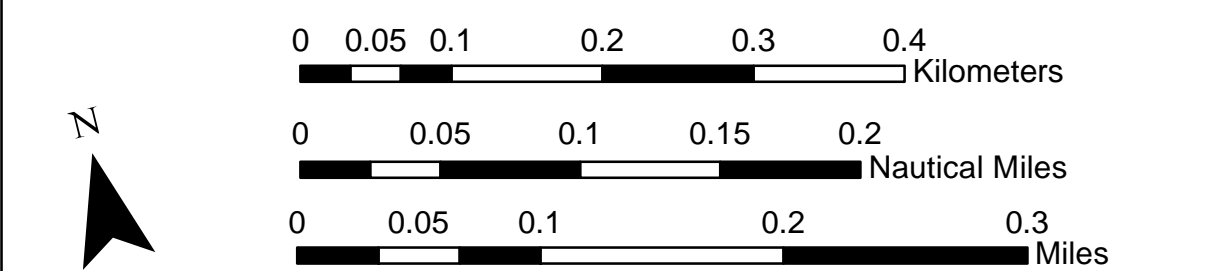
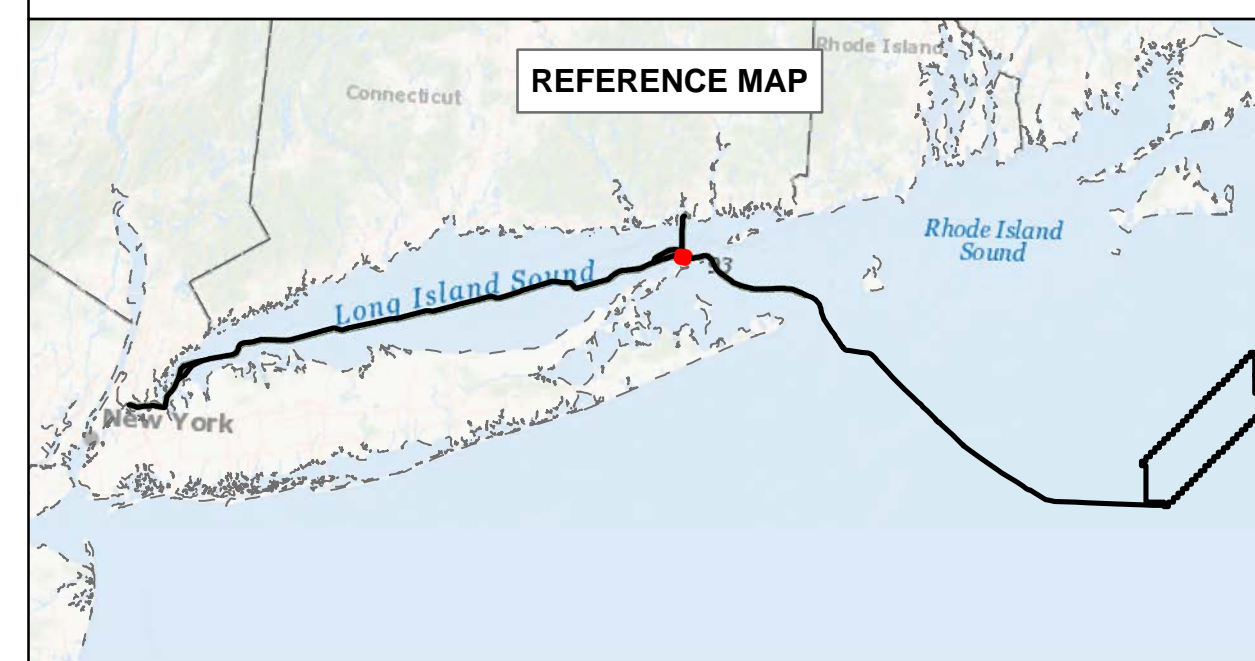
Interpreted Seabed Sediment/NMFS Habitat Characterization  
 Sand and Muddy Sand/Soft Bottom Habitat  
 Mixed Sediment/Complex Habitat

Note:  
 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 5/22/2023

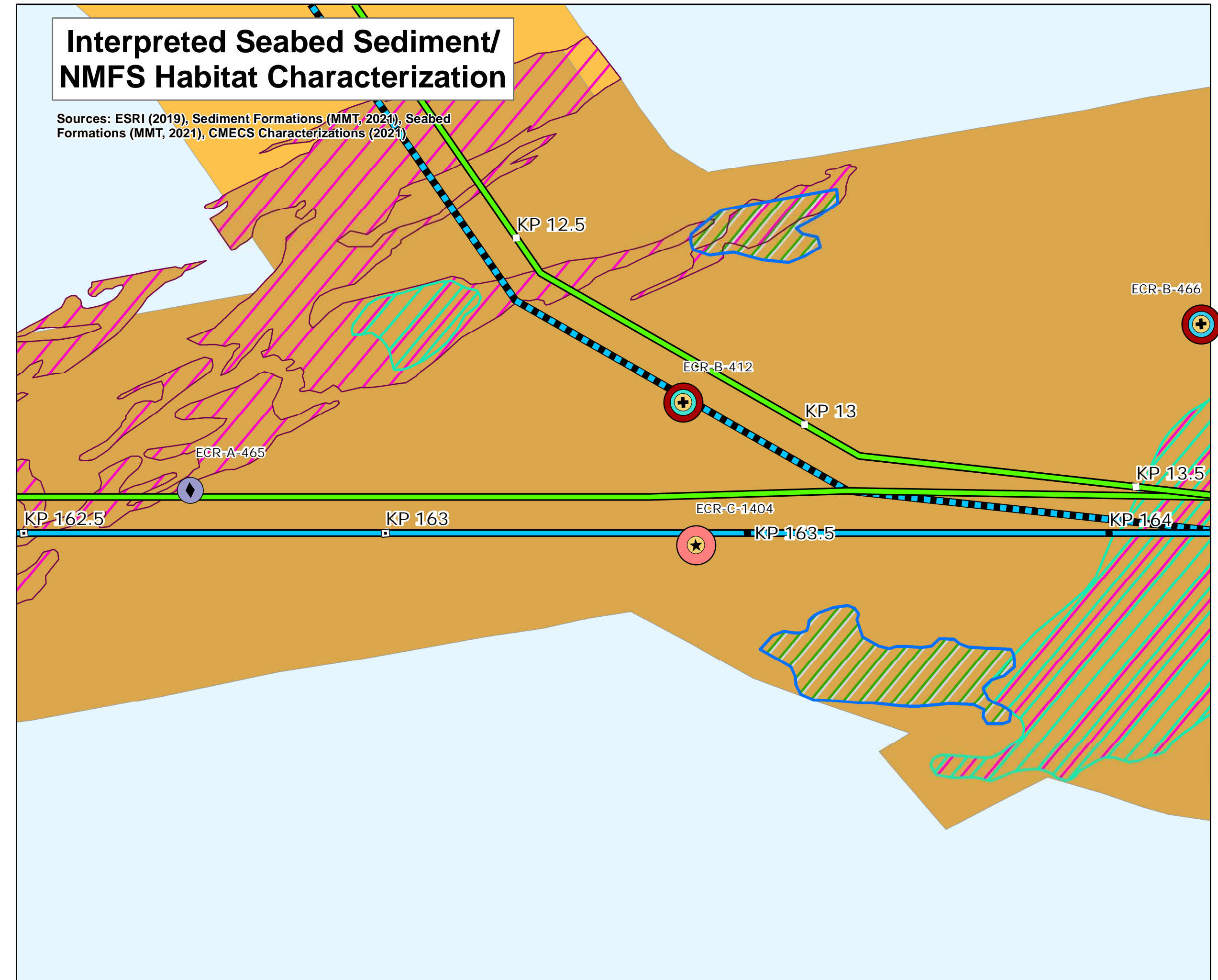
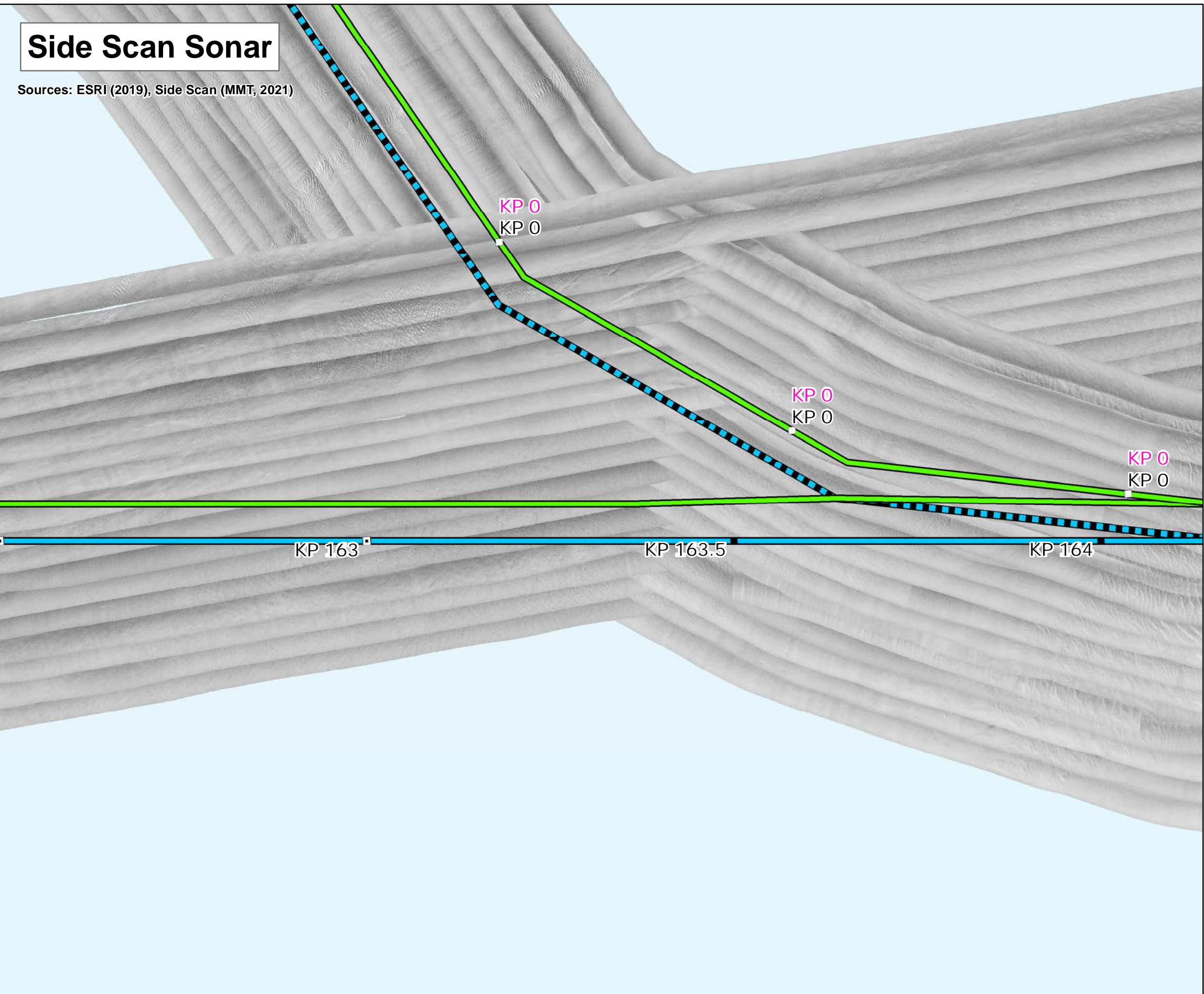
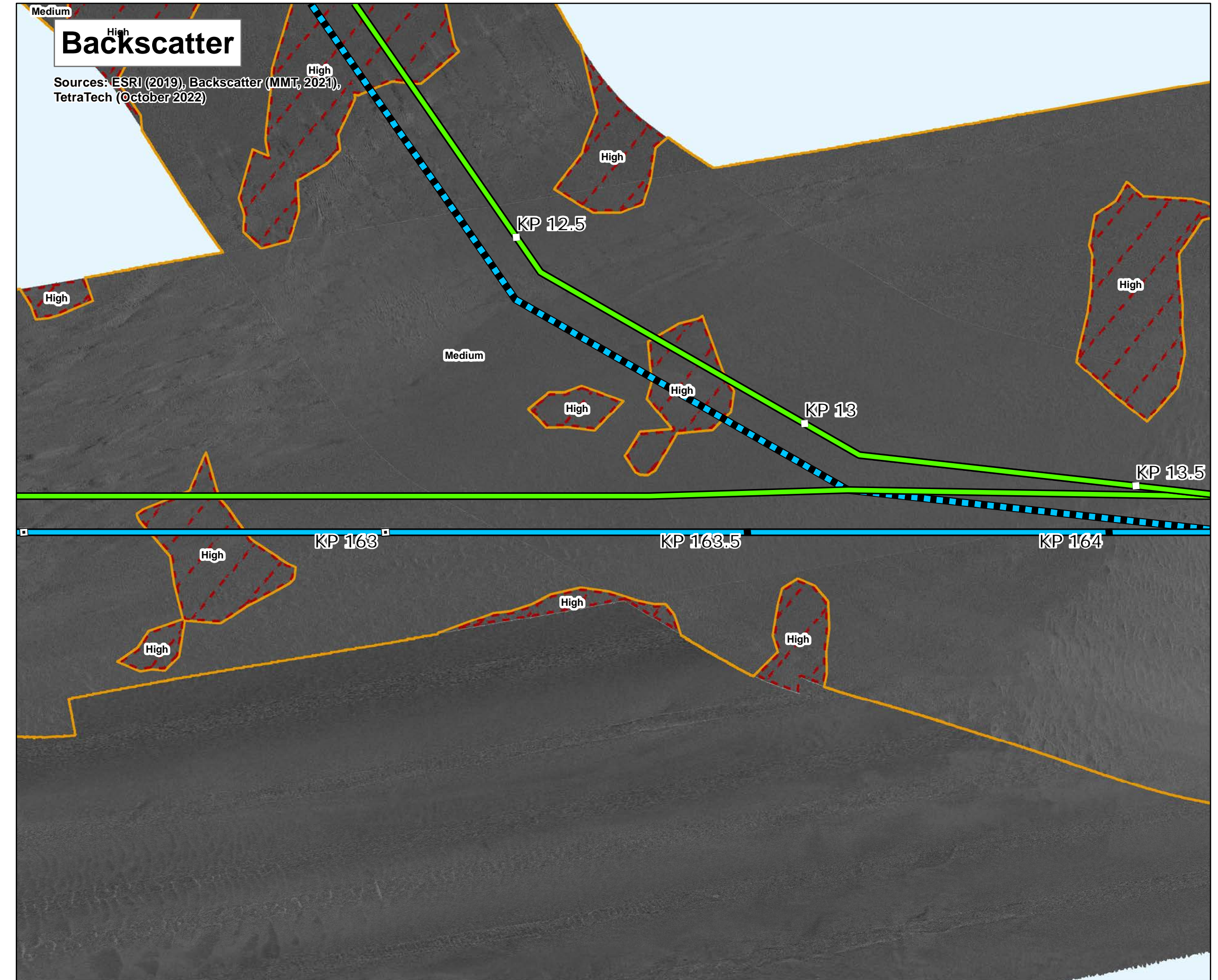


### BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 113

BW1 (NY) - KP 161.5 - KP 162.5  
 BW2 (NY) - KP 161.5 - KP 162.5  
 BW2 (CT) - N/A





## Map Book Package for Submarine Export Cable Route in State Waters

- BW1 KPs
- BW1 and BW2 KPs
- BW2 CT
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

### Bathymetry (MLLW)

Major Contours (5m Interval)

-1 m (-3 ft) to -97 m (-318 ft)

### Backscatter

Delineated Backscatter Intensity Returns

High, Medium, Low

### Side Scan Sonar

Low to High

### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

<b>Station Type</b>	● Flat
◆ Grab and Video	■ Benthic Features
◆ SPI/PV	■ Megaripples
★ Video	■ Sand Ripples
<b>CMECS Biotic</b>	<b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b>
● Soft Sediment Fauna	■ Sand and Muddy Sand/Soft Bottom Habitat
<b>CMECS Substrate</b>	■ Mixed Sediment/Complex Habitat
● Gravelly	■ Muddy Sandy Gravel Habitat
● Gravelly Muddy Sand	■ Occasional Burrows/Bioturbation
● Muddy Sandy Gravel	■ Boulders/Large Grained Complex Habitat
<b>CMECS Geomorph</b>	■ Heterogeneous Complex Habitat
● Burrows/Bioturbation	

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 5/22/2023  
Scale: 1:5000

## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 114

BW1 (NY) - KP 163 - KP 164  
BW2 (NY) - KP 163 - KP 164  
BW2 (CT) -



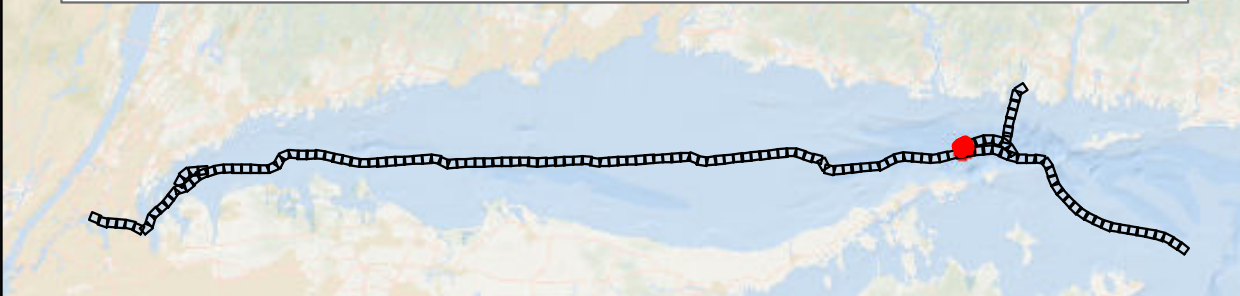
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)

### Backscatter

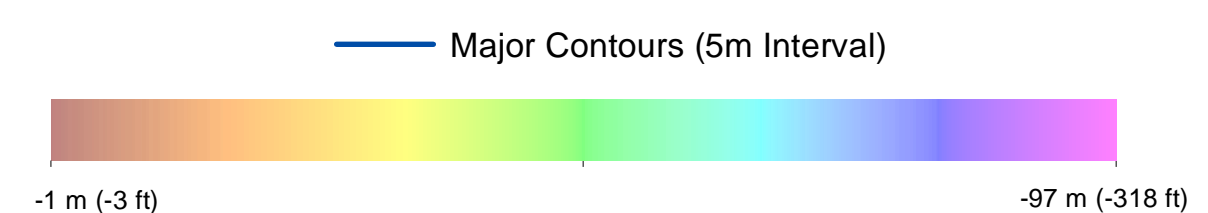
Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)

### Map Book Package for Submarine Export Cable Route in State Waters

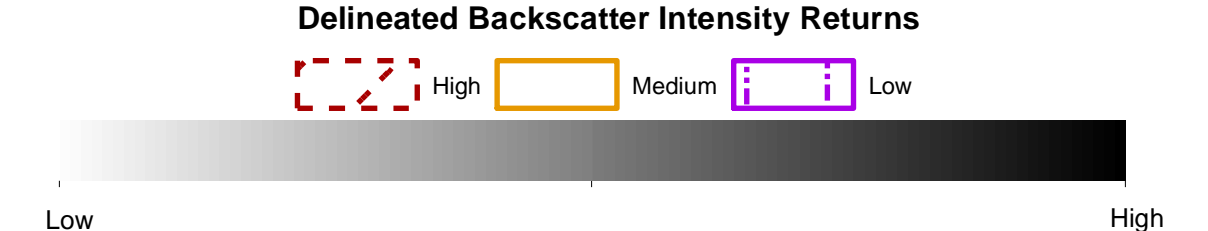


- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

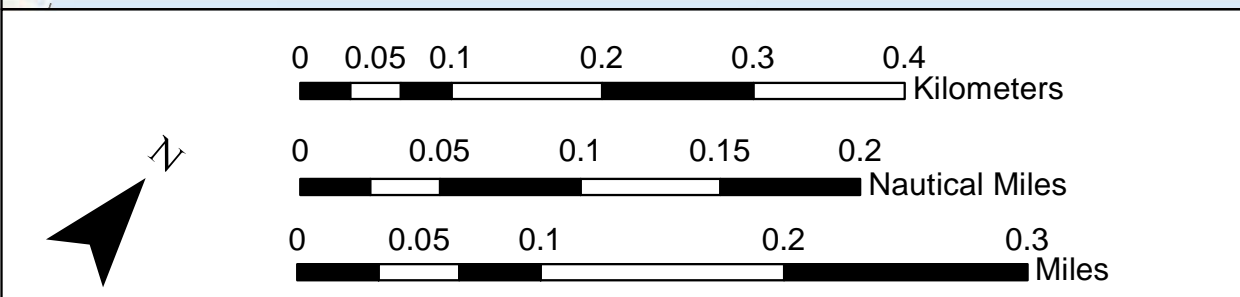
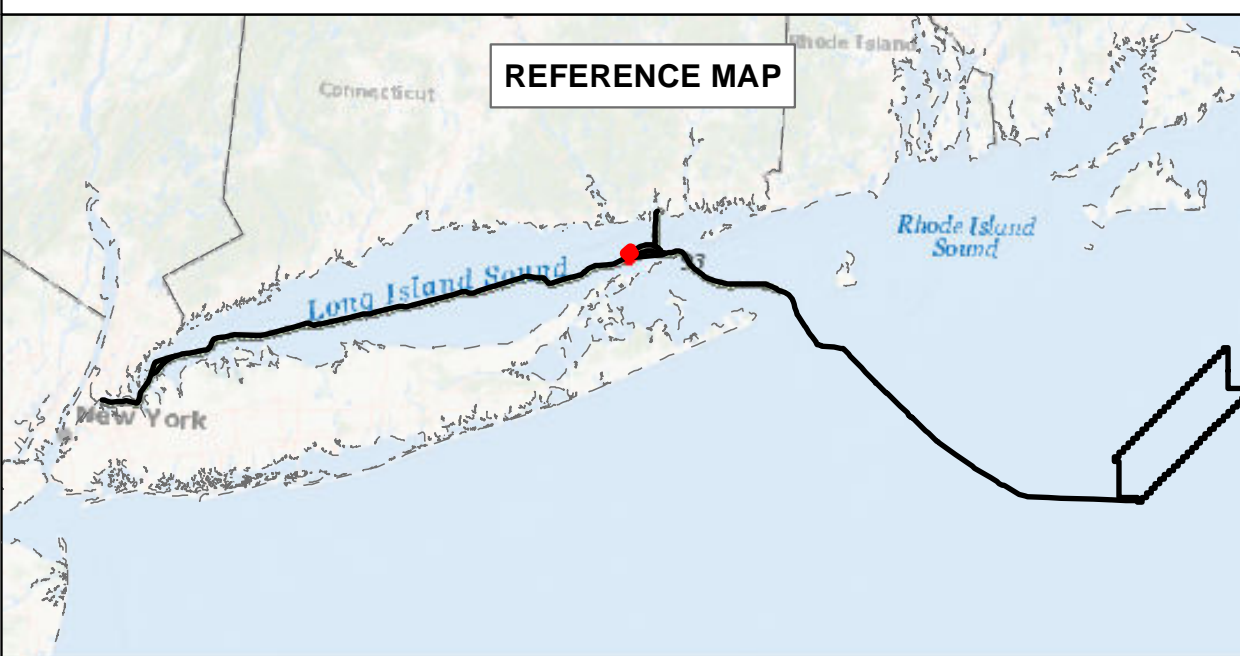


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - Grab and Video
  - Mixed Sediment/Complex Habitat
- CMECS Biotic**
  - Soft Sediment Fauna
- CMECS Substrate**
  - Muddy Gravel
- CMECS Geoform**
  - Flat
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mud and Sandy Mud/Soft Bottom Habitat
  - Sand and Muddy Sand/Soft Bottom Habitat

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 115  
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A

### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

### Interpreted Seabed Sediment/ NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

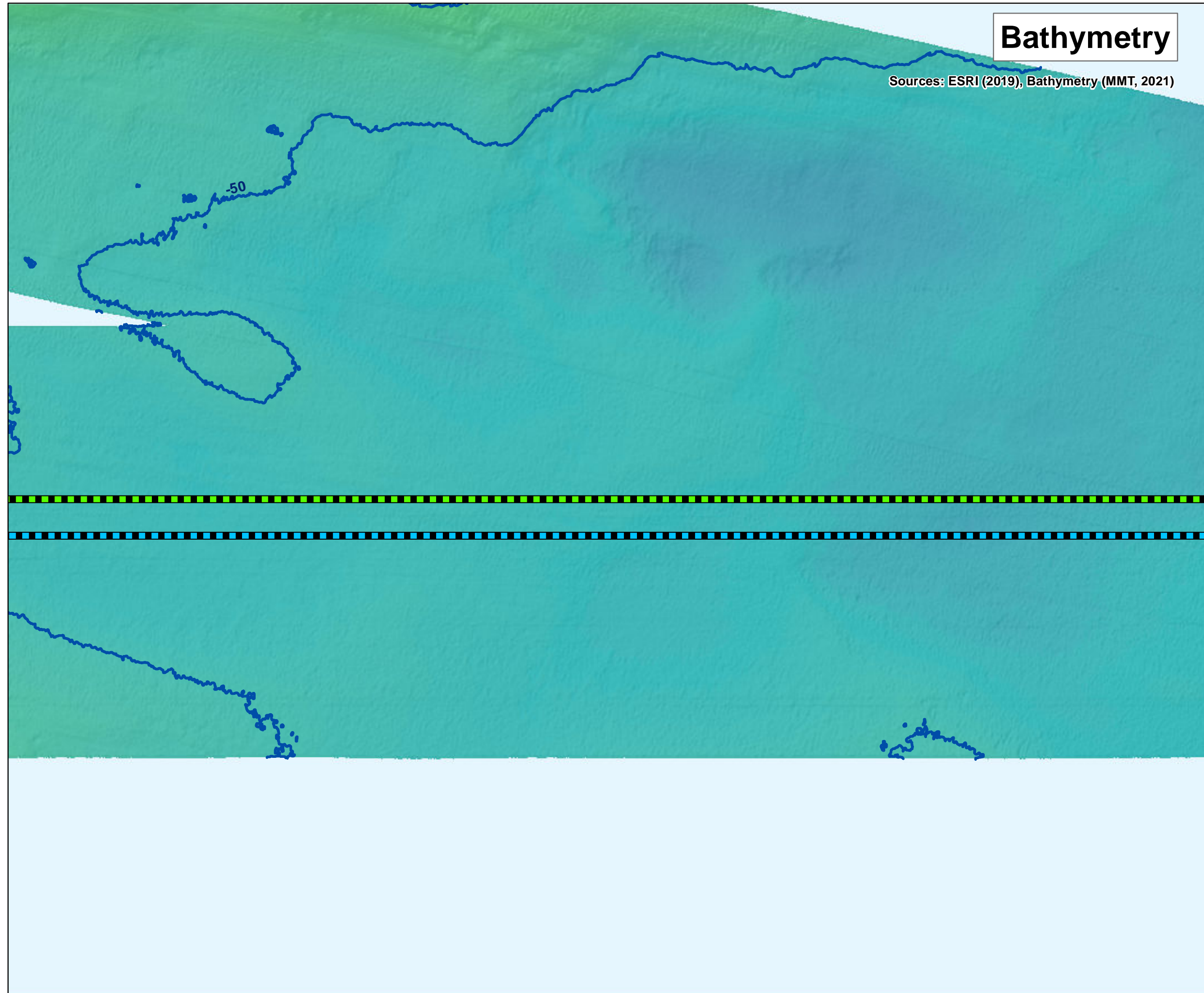
EGR-B-402





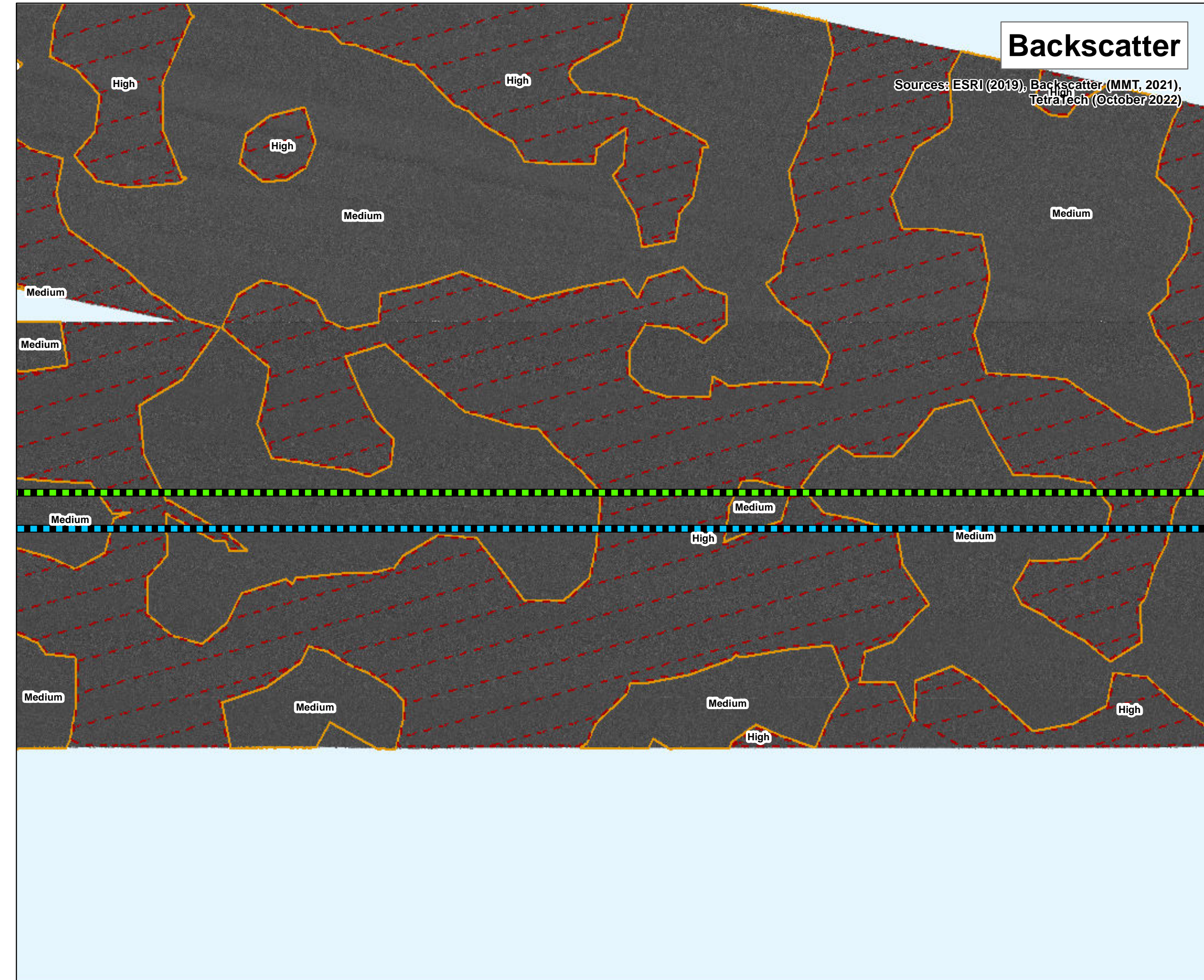
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), Tetra Tech (October 2022)

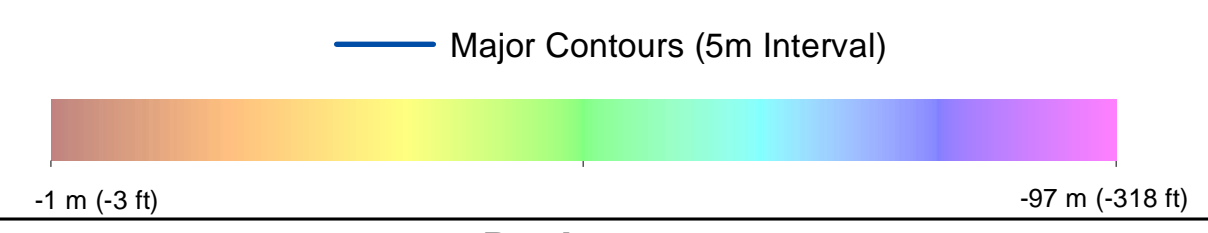


### Map Book Package for Submarine Export Cable Route in State Waters

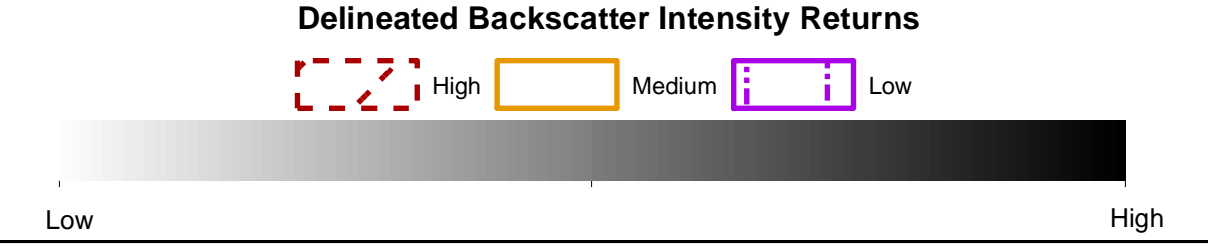


- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

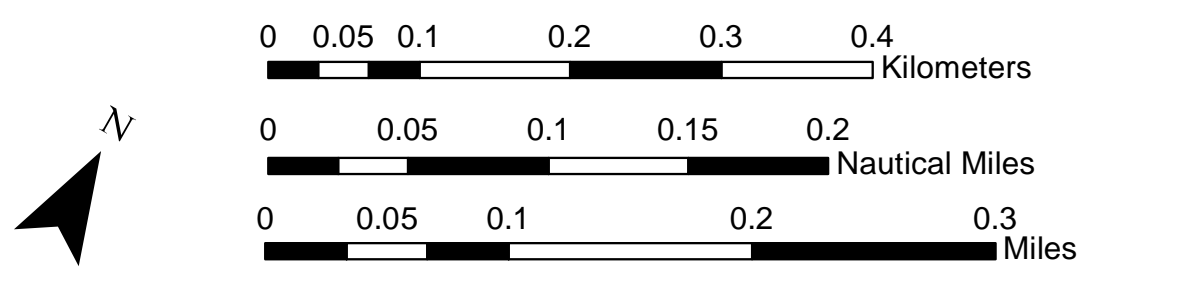
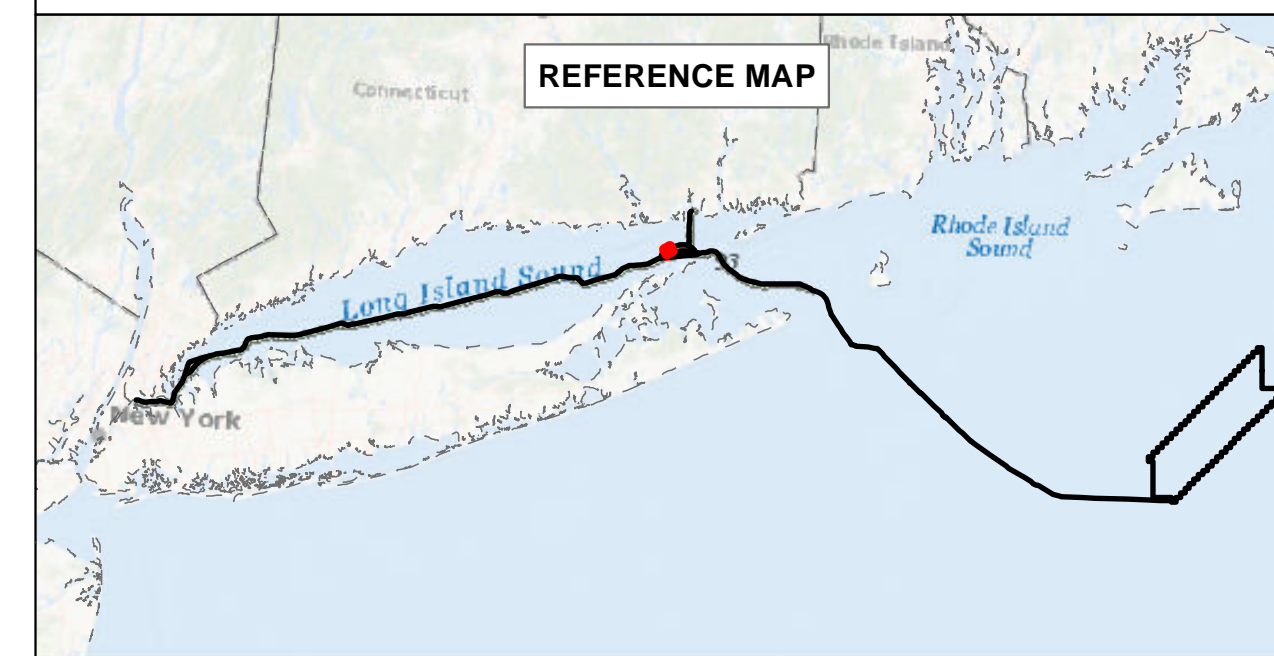


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- |   |   |
|---|---|
| <b>Station Type</b><br><ul style="list-style-type: none"> <li>Grab and Video</li> <li>SPI/PV</li> </ul>           | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br><ul style="list-style-type: none"> <li>Mixed Sediment/Complex Habitat</li> <li>Occasional Boulders/Large Grained Complex Habitat</li> </ul> |
| <b>CMECS Biotic</b><br><ul style="list-style-type: none"> <li>Soft Sediment Fauna</li> </ul>                      |   |
| <b>CMECS Substrate</b><br><ul style="list-style-type: none"> <li>Gravelly</li> <li>Gravelly Muddy Sand</li> </ul> |   |
| <b>CMECS Geofom</b><br><ul style="list-style-type: none"> <li>Flat</li> <li>Northern Star Coral</li> </ul>        |   |

Note:  
1) Legend only shows items visible in the current map extent.

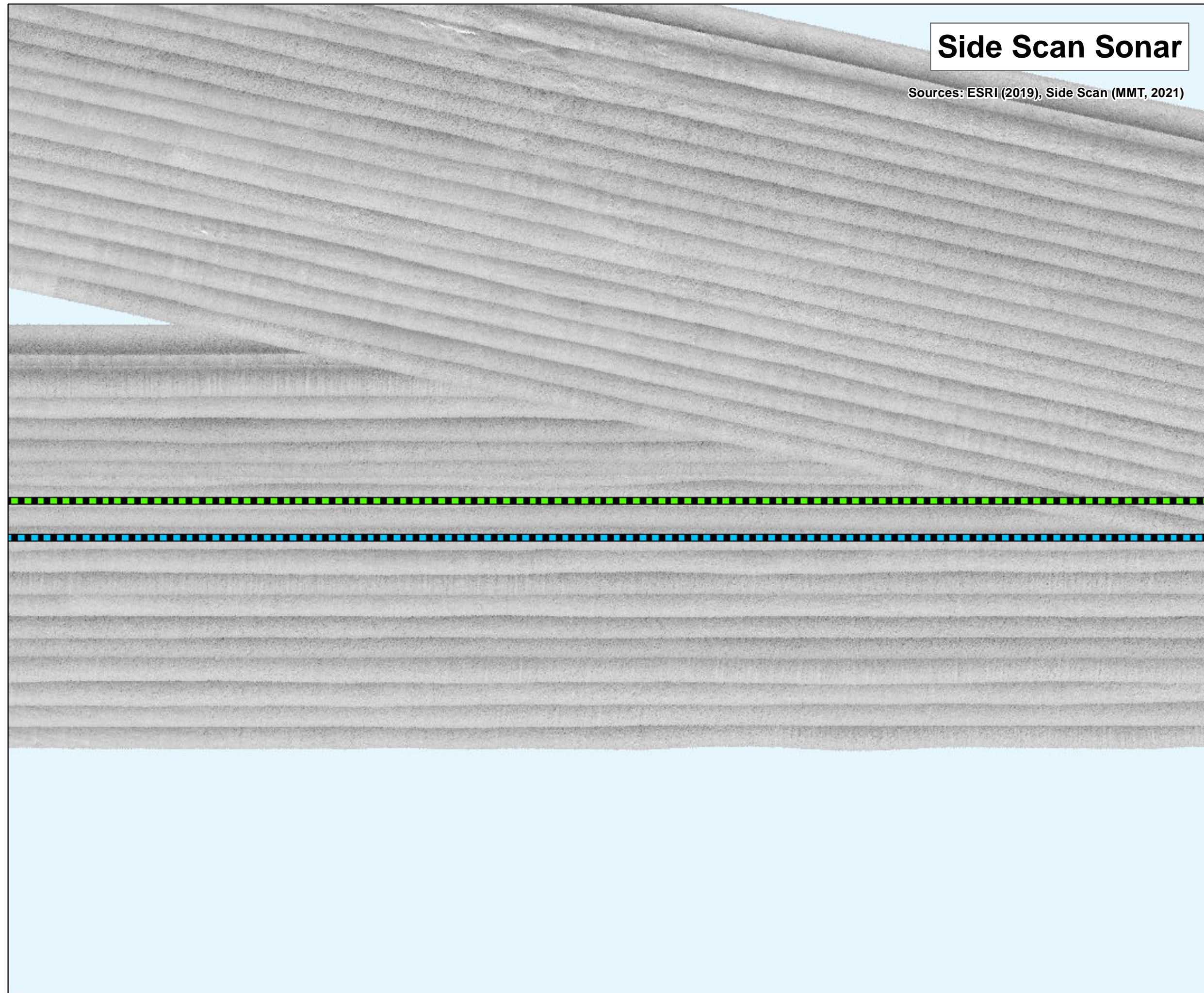
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**  
 Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 116  
 BW1 (NY) - N/A  
 BW2 (NY) - N/A  
 BW2 (CT) - N/A

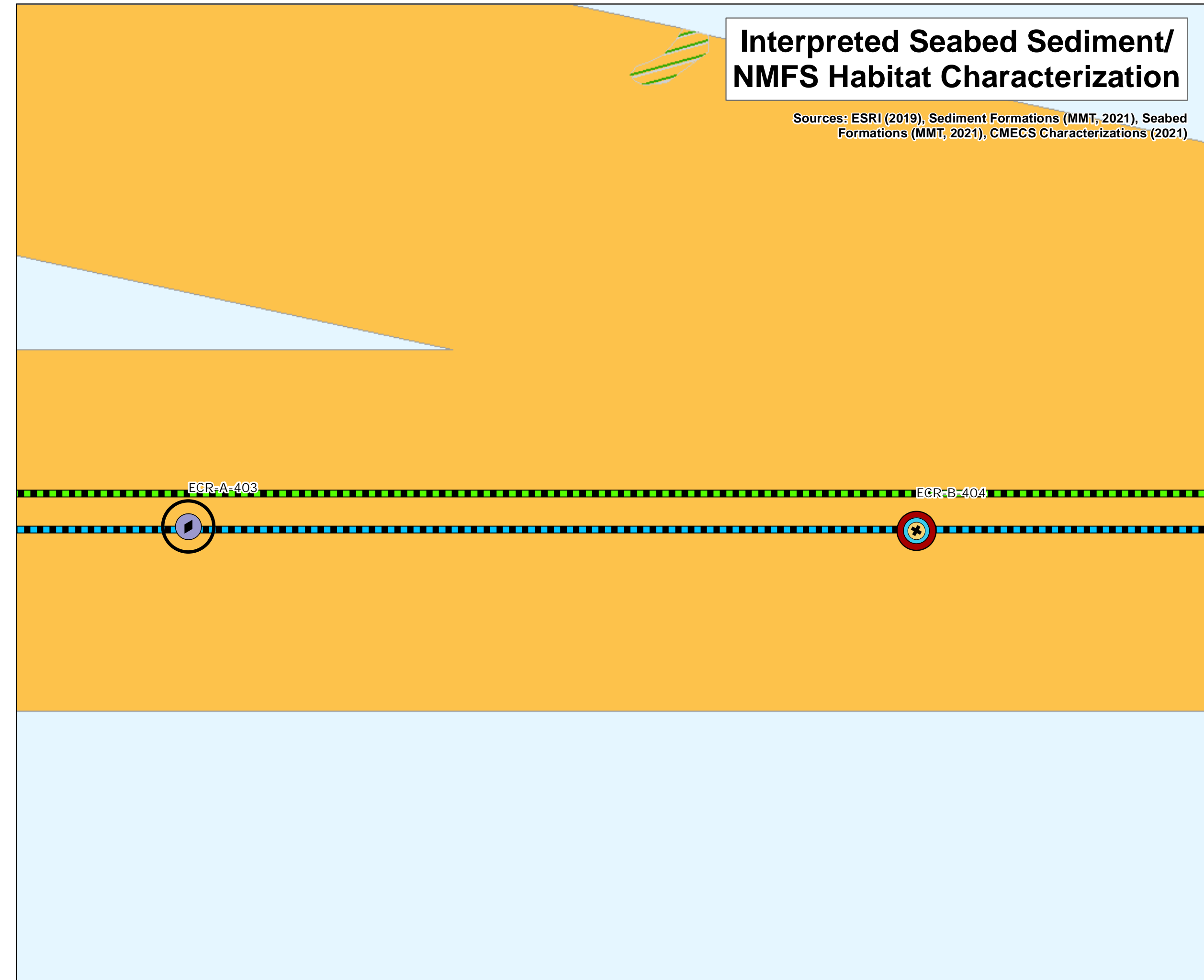
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

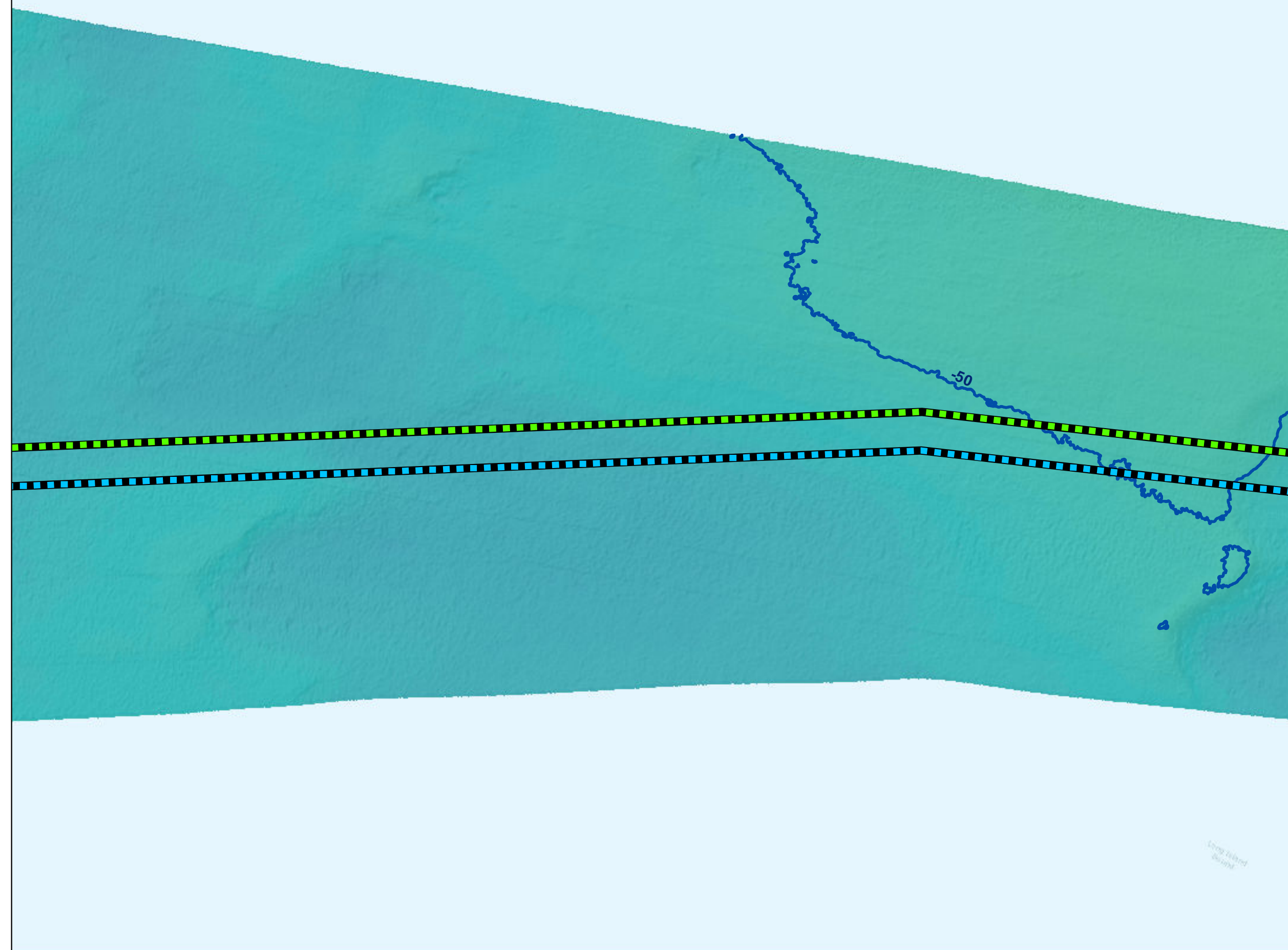
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)





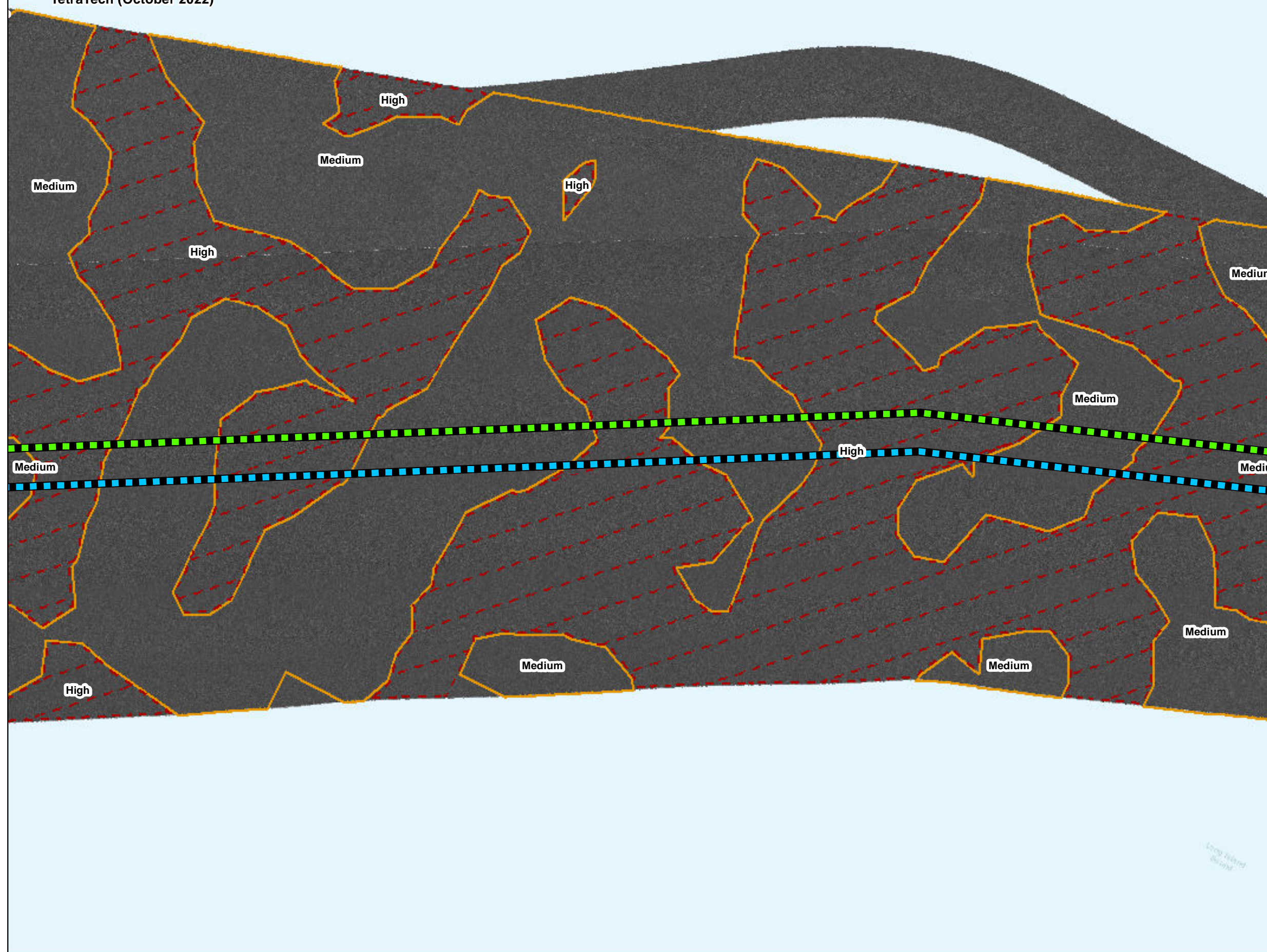
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



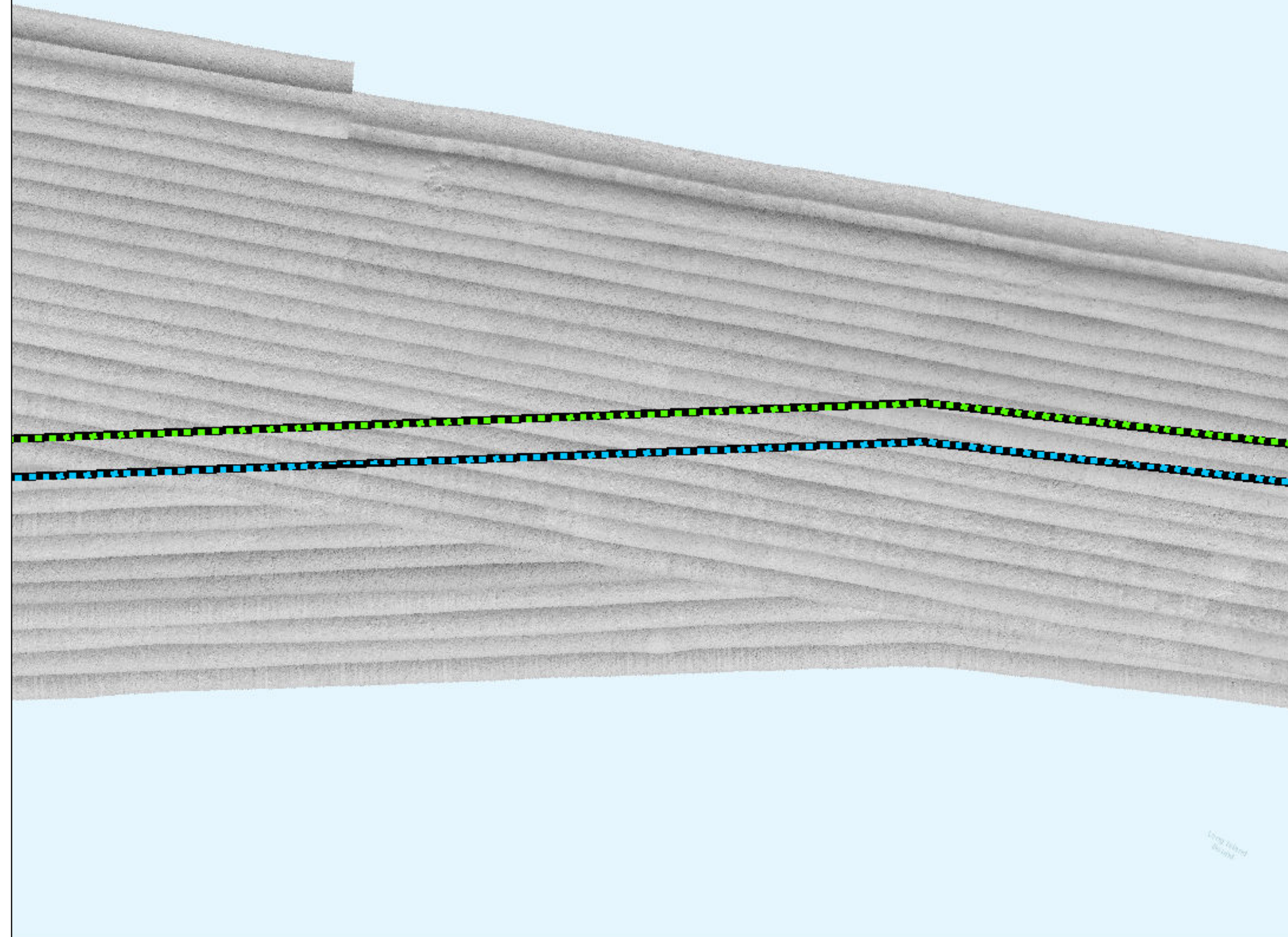
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



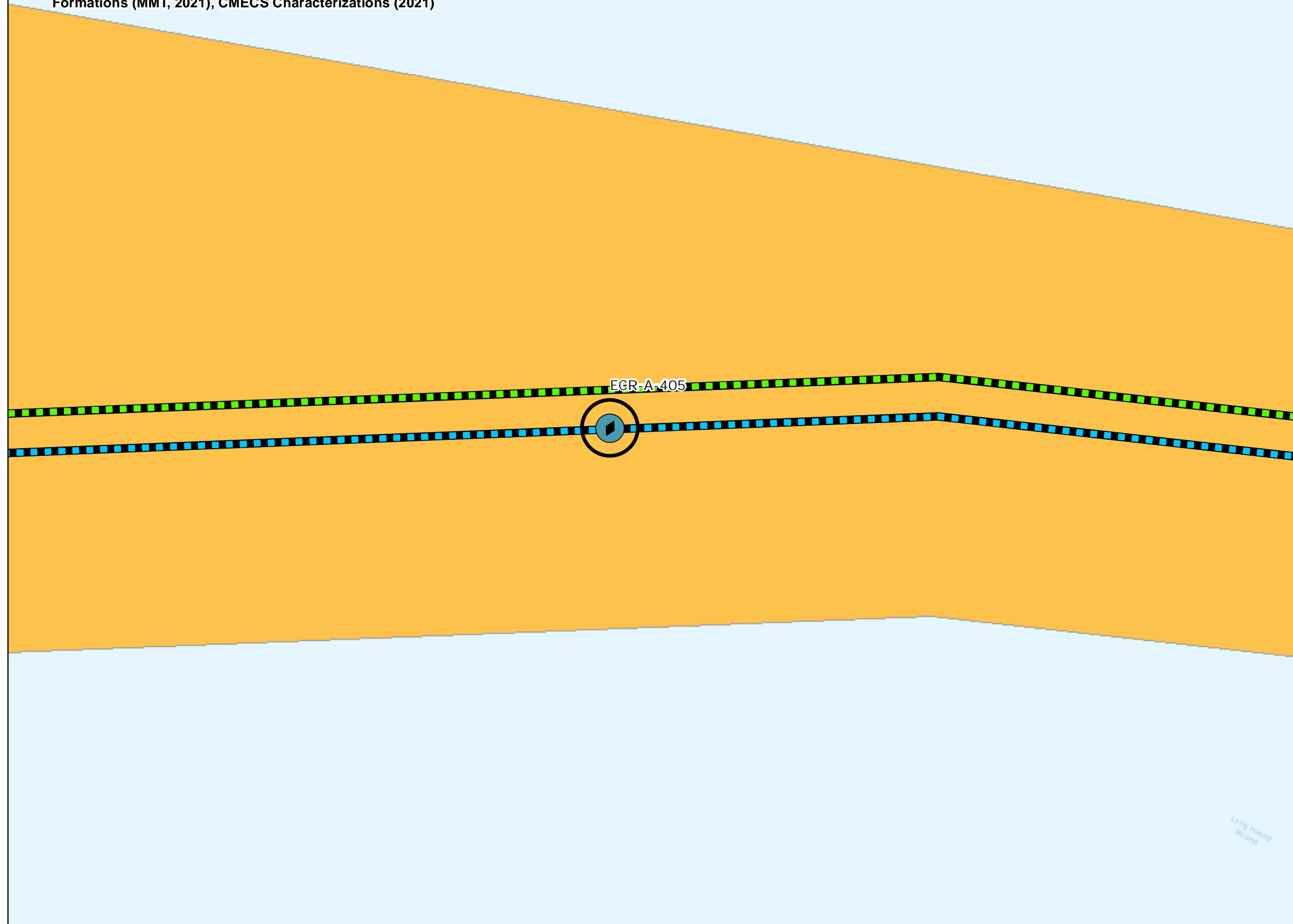
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

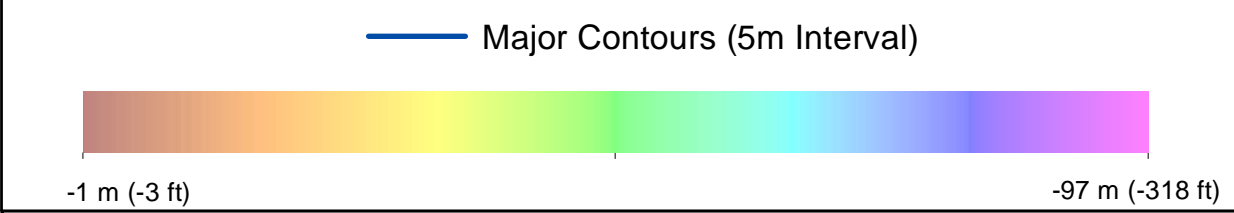


### Map Book Package for Submarine Export Cable Route in State Waters

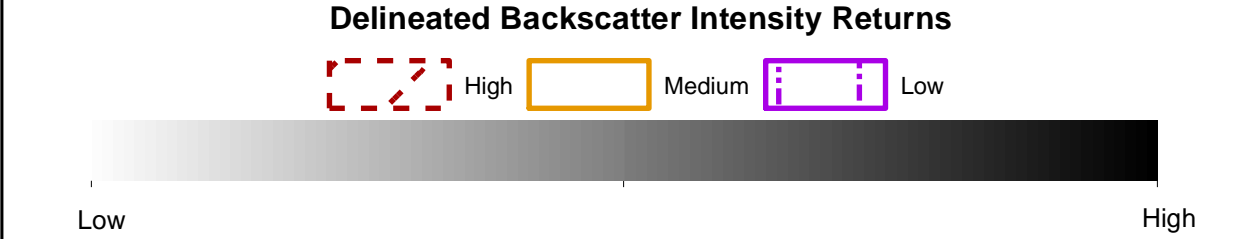


- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

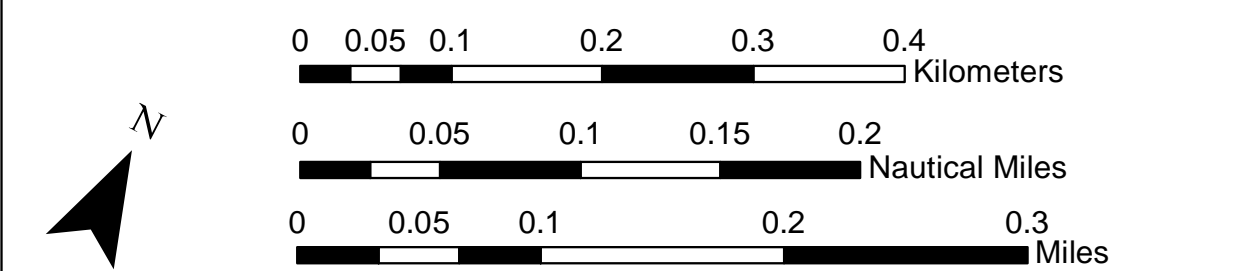
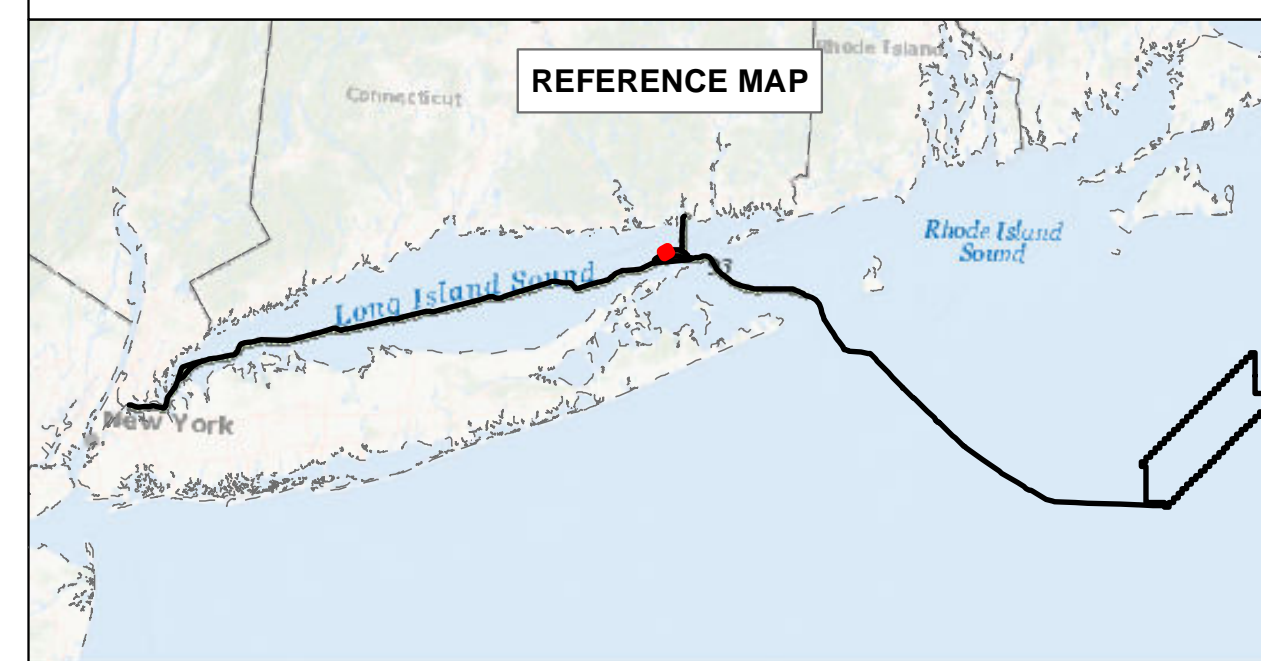


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
  - SPI/PV
- CMECS Substrate**
  - Gravel Mix
  - Northern Star Coral
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Mixed Sediment/Complex
  - Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

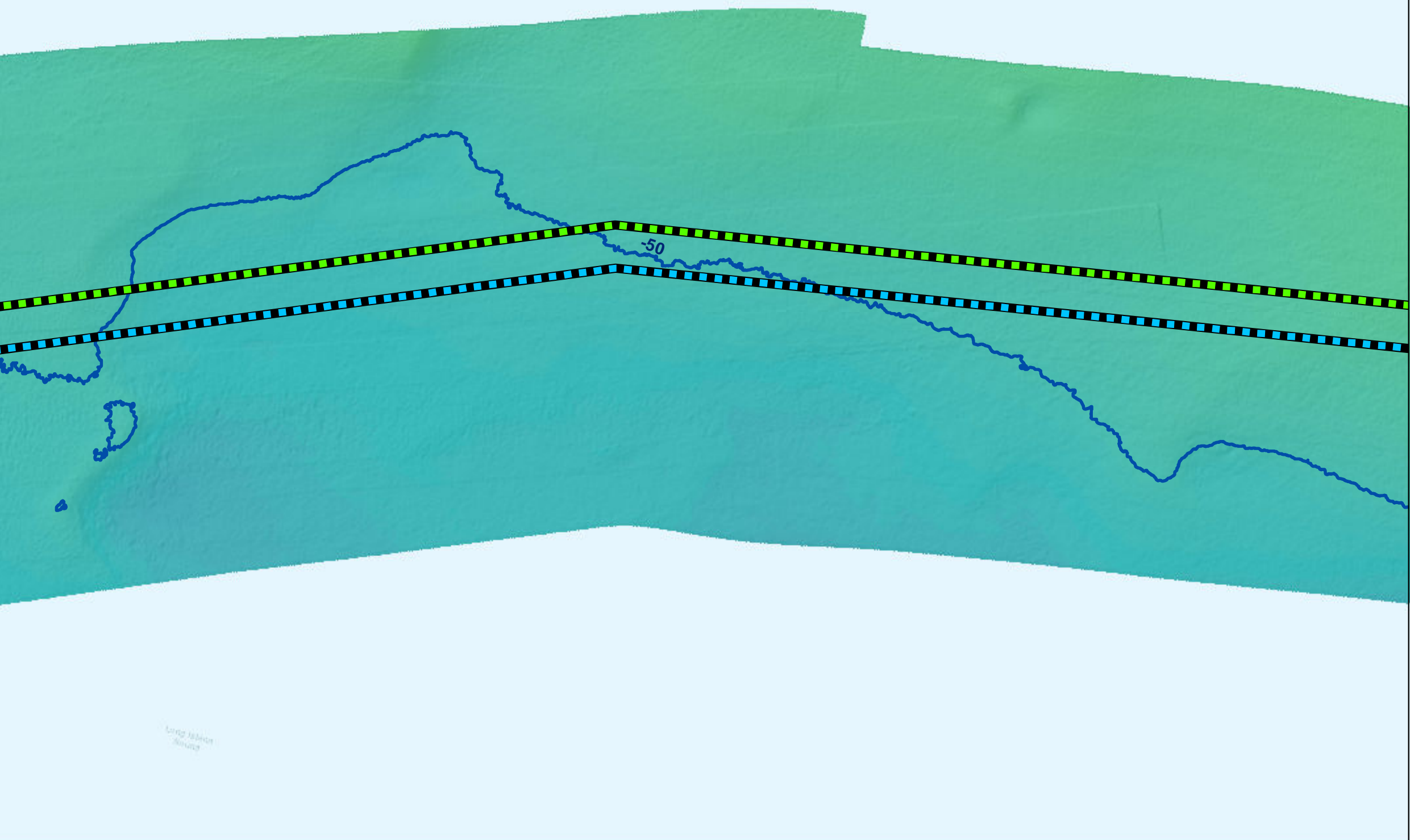
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 117

BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



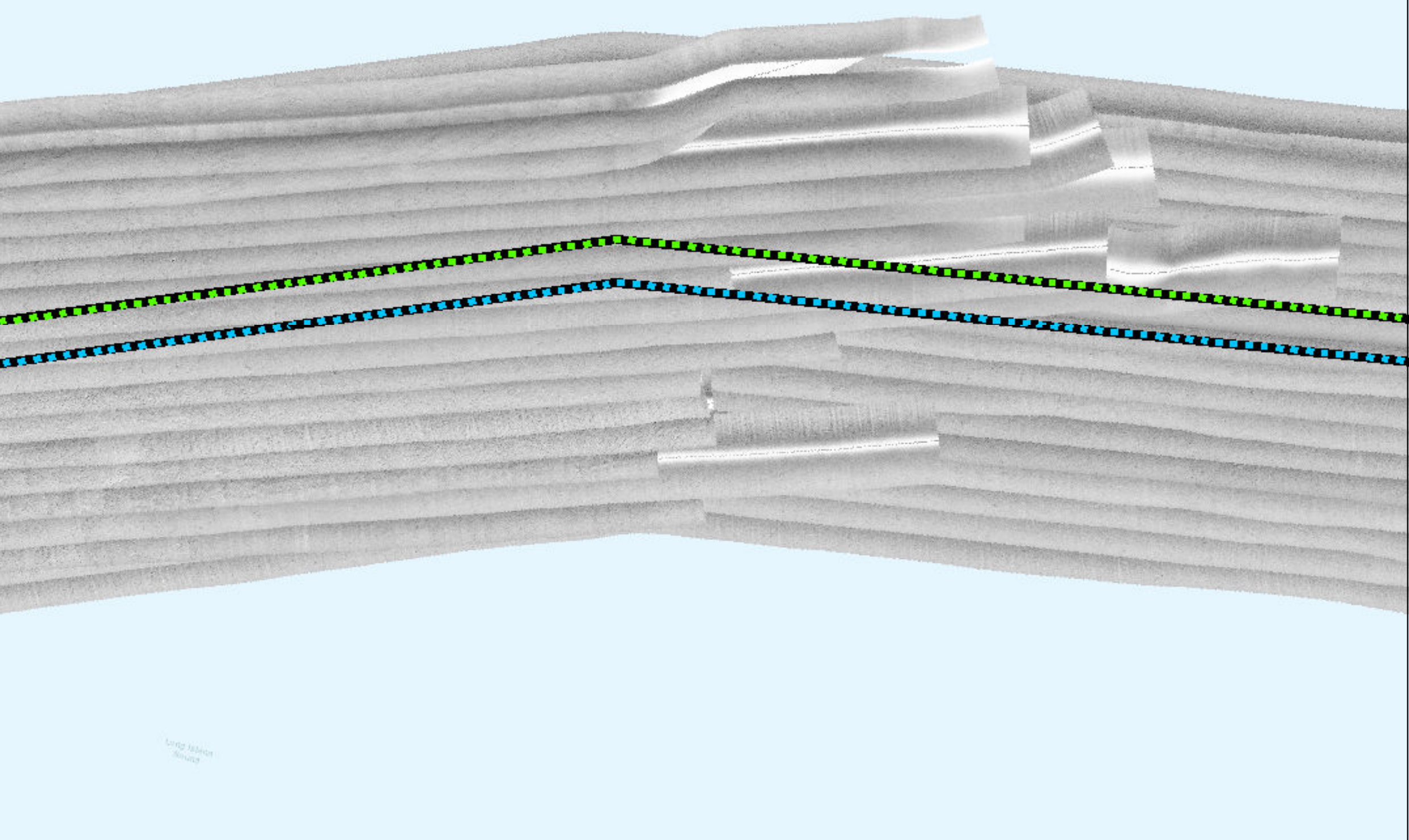
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



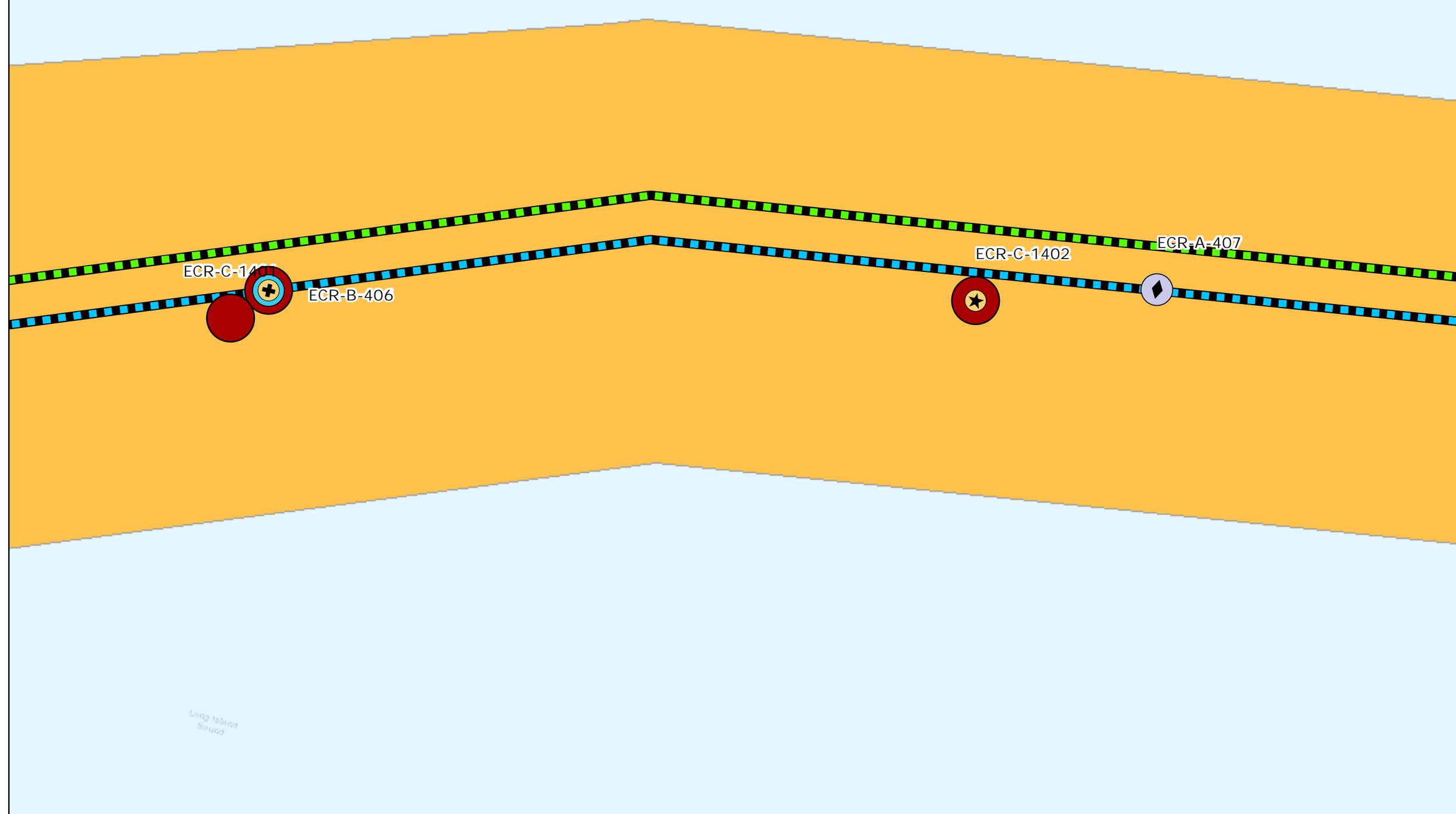
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

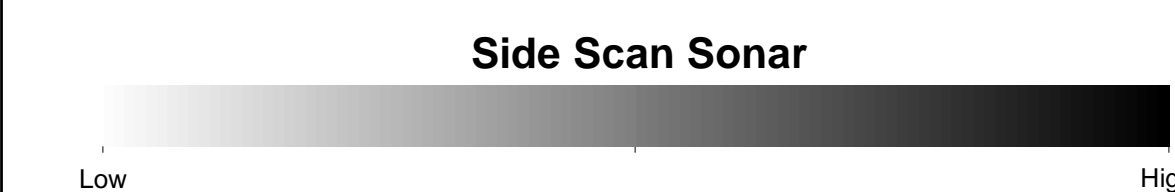
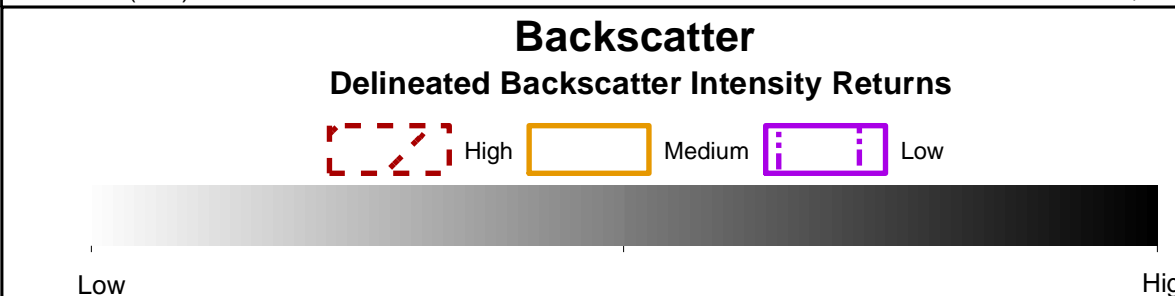
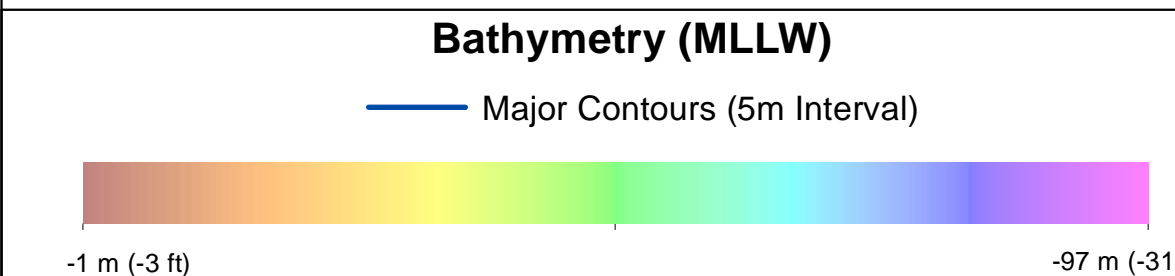
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



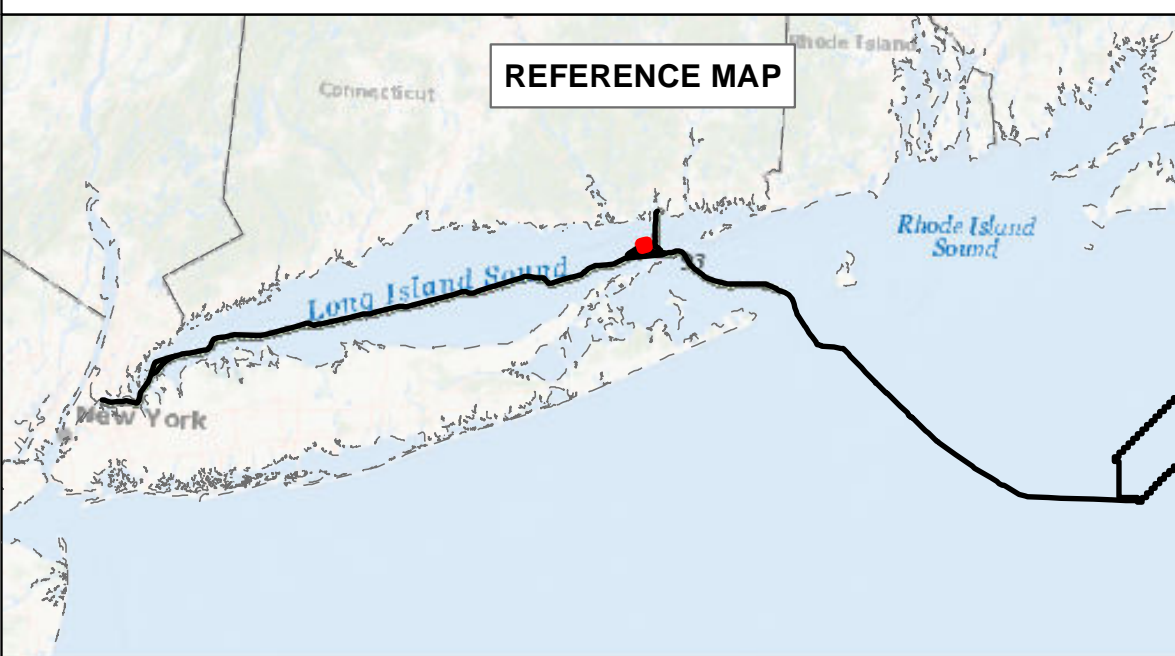
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ● Mixed Sediment/Complex Habitat                                 |
| ◆ SPI/PV               | ● Soft Sediment Fauna  |
| ★ Video                | ● Gravelly Muddy Sand  |
| <b>CMECS Biotic</b>    | ● Shell Rubble   |
| ● Soft Sediment Fauna  | ● Flat   |
| <b>CMECS Substrate</b> |  |
| ● Gravelly Muddy Sand  |  |
| ● Shell Rubble         |  |
| <b>CMECS Geofom</b>    |  |
| ● Flat                 |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

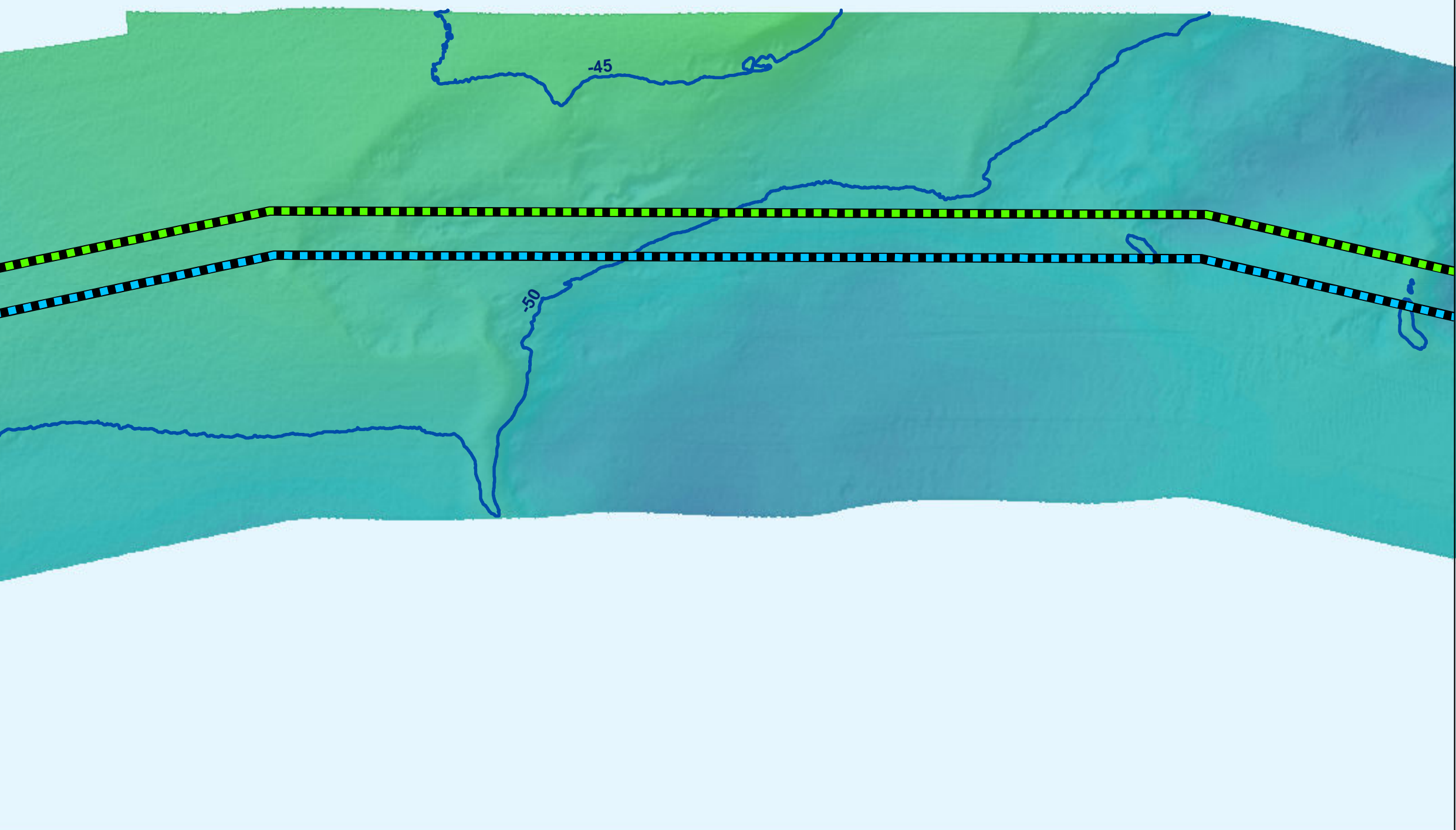


**BEACON WIND LEASE AREA OCS-A 0520**  
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 118  
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A



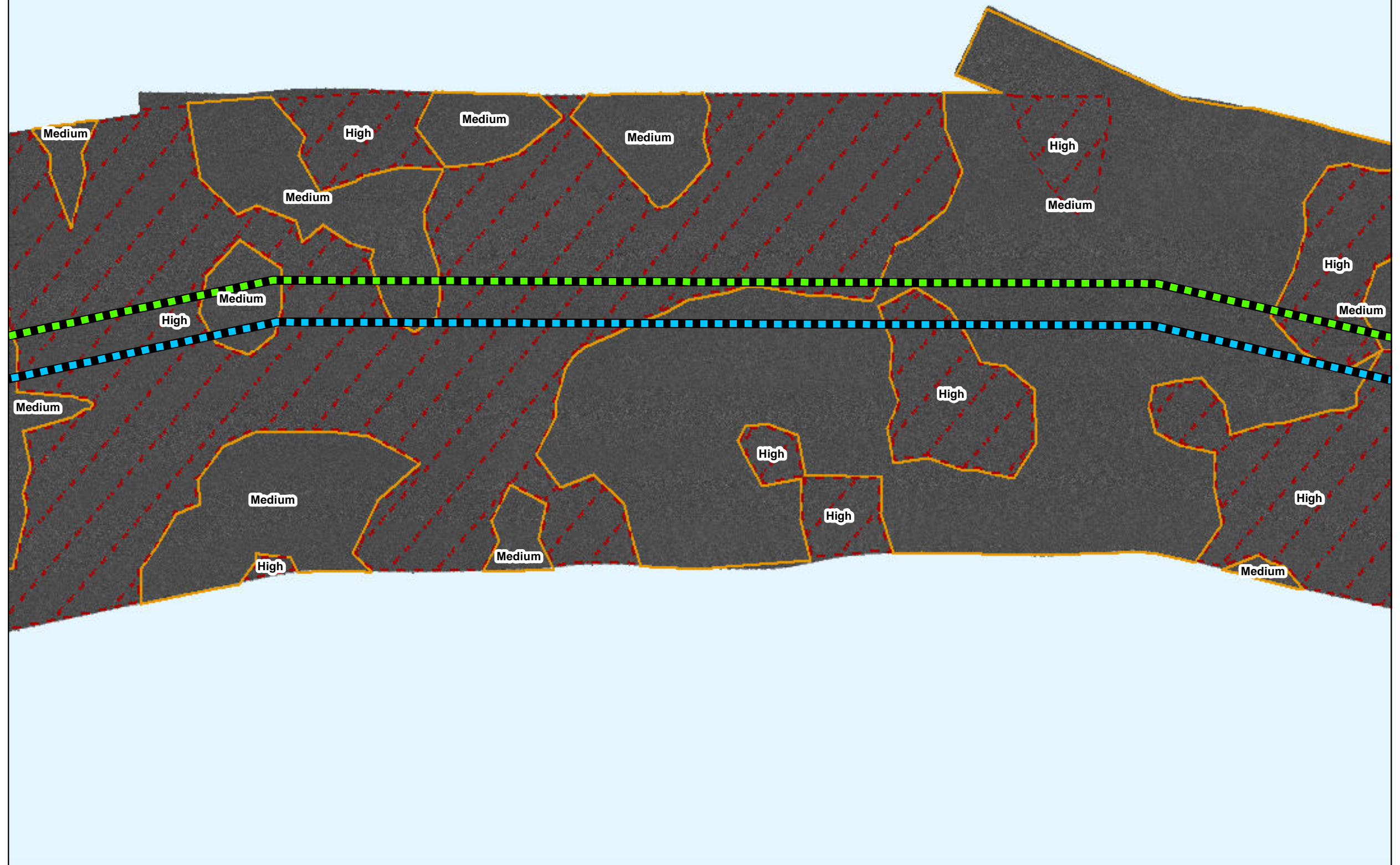
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



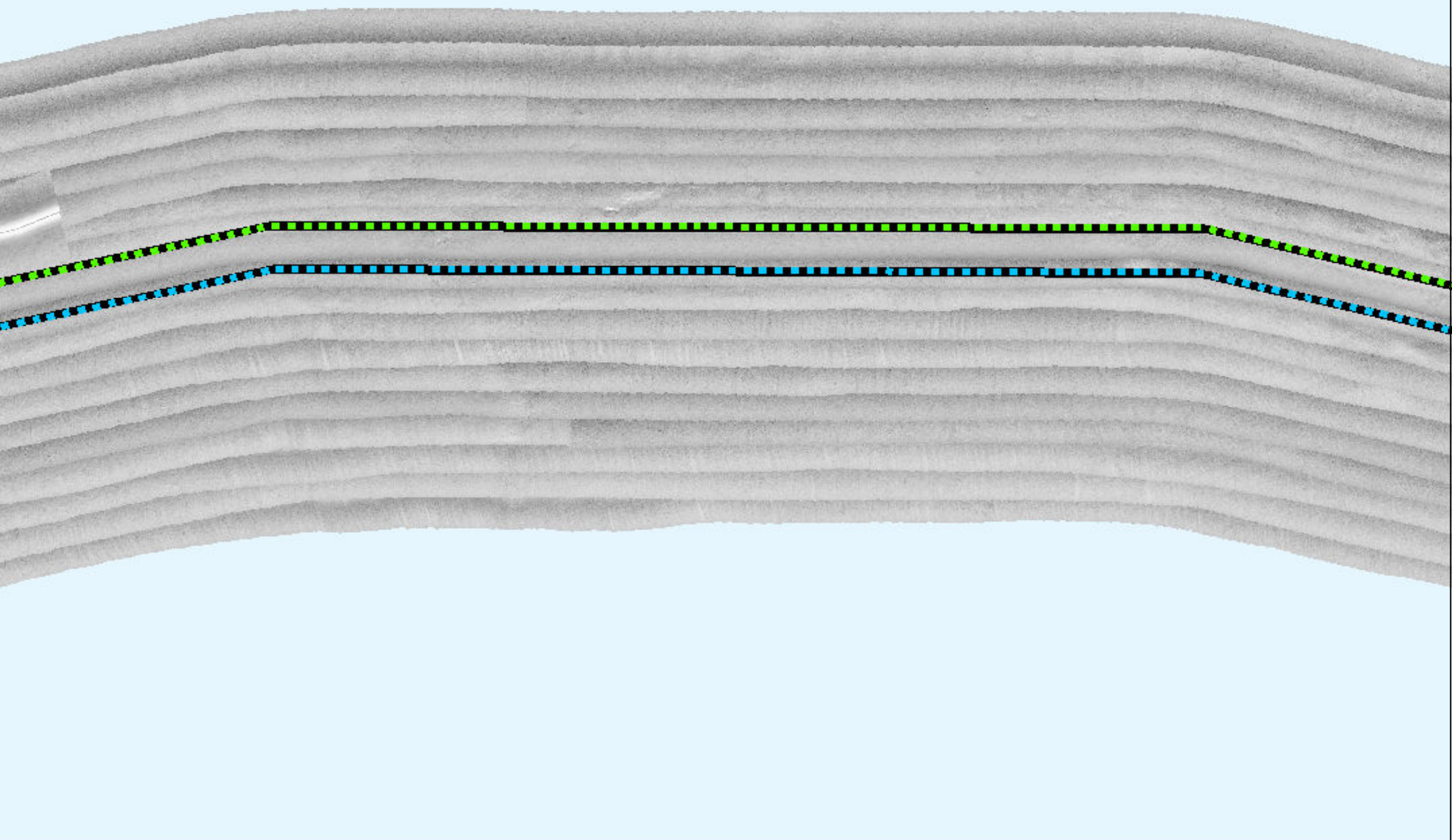
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



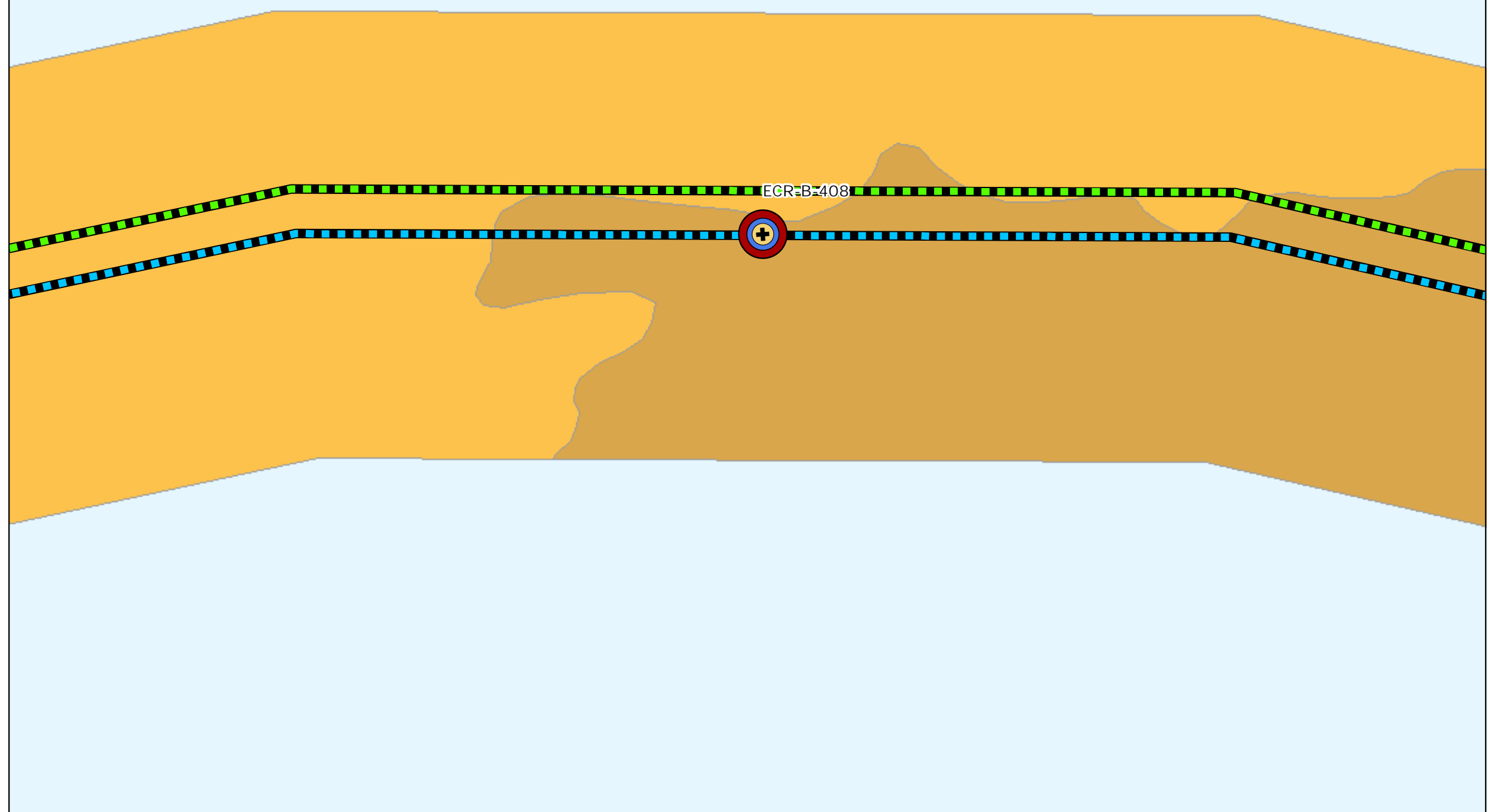
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

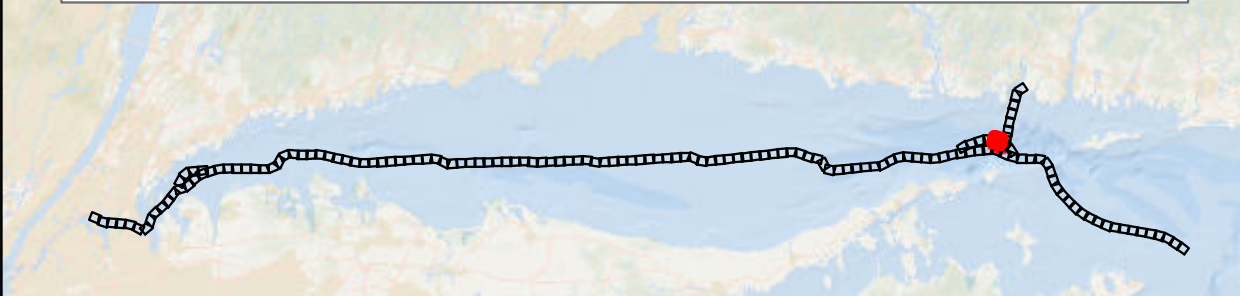


# Interpreted Seabed Sediment/NMFS Habitat Characterization

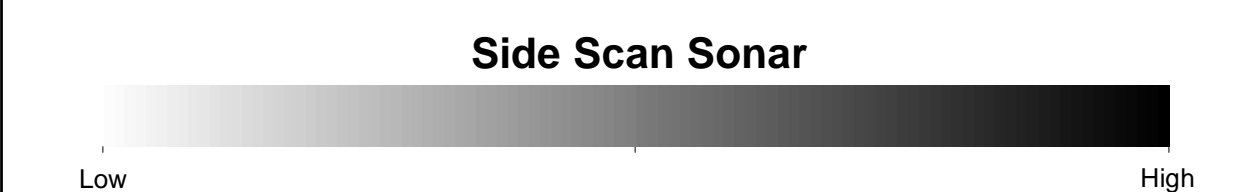
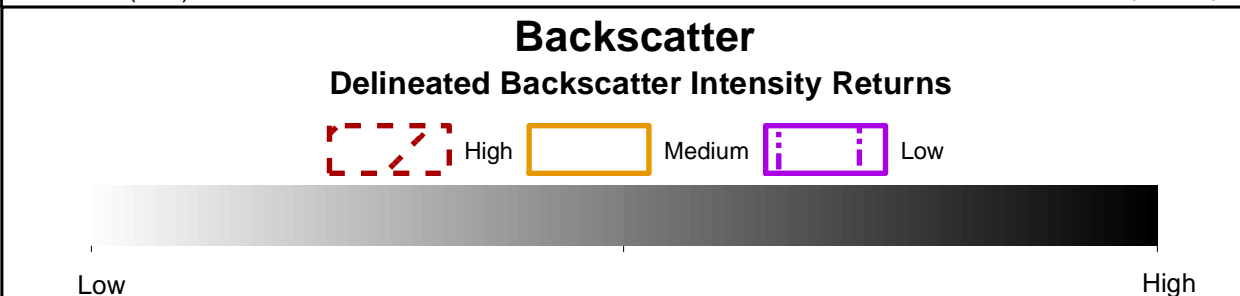
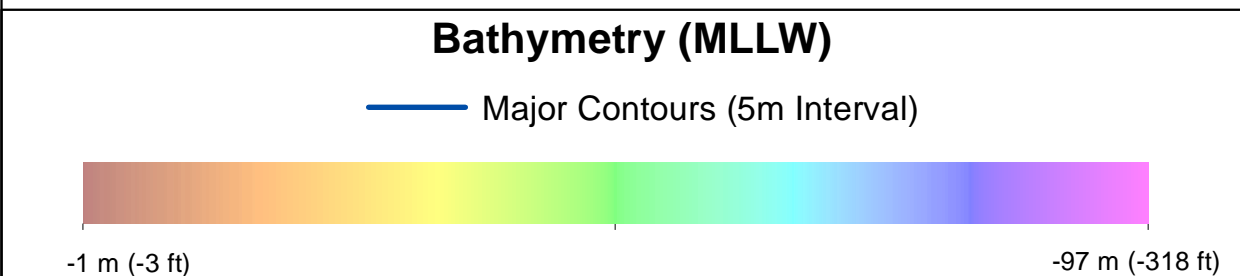
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

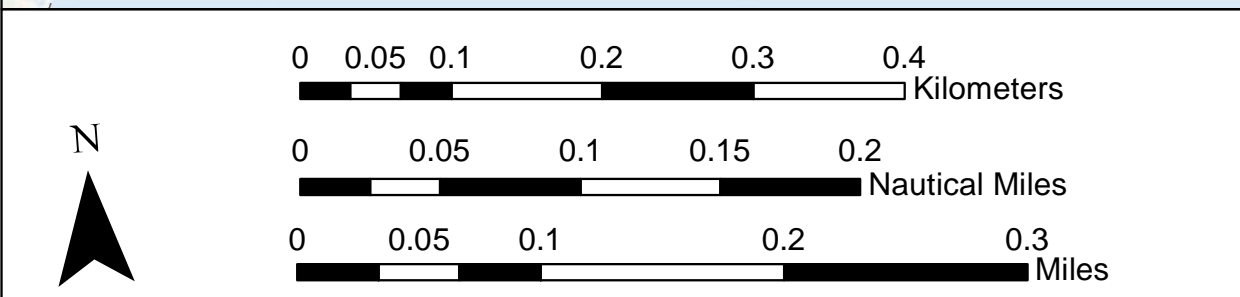
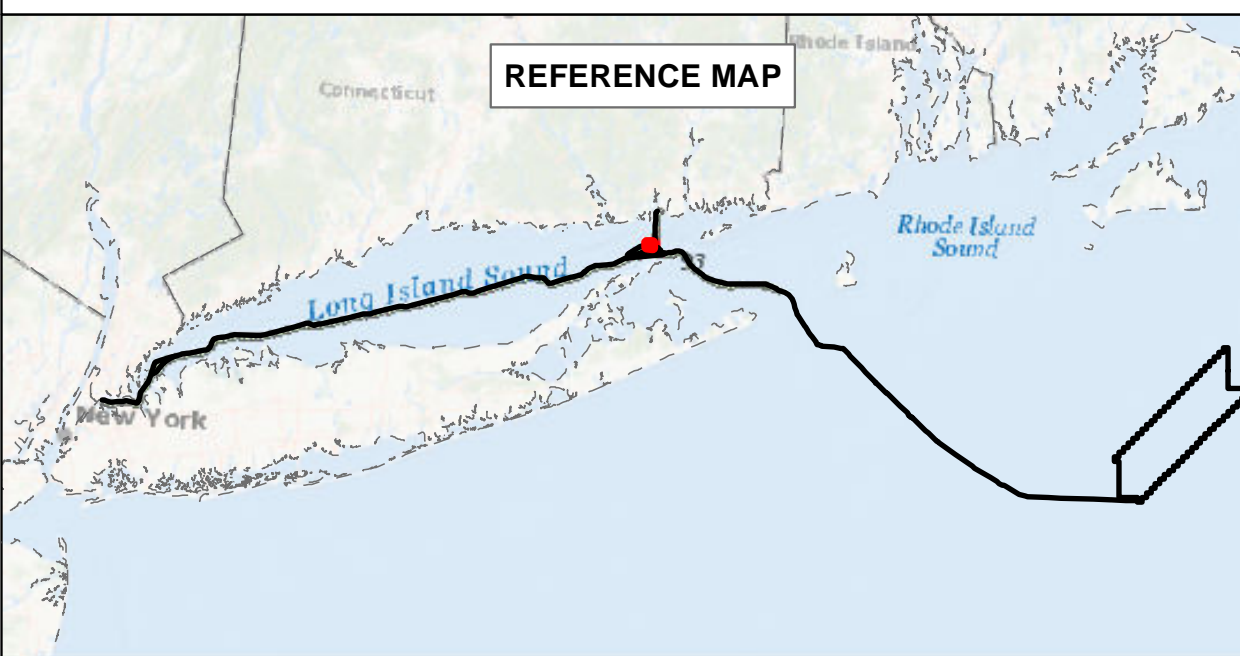


- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
    - Grab and Video
  - CMECS Biotic**
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Shell Hash
  - CMECS Geofom**
    - Flat
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Sand and Muddy Sand/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



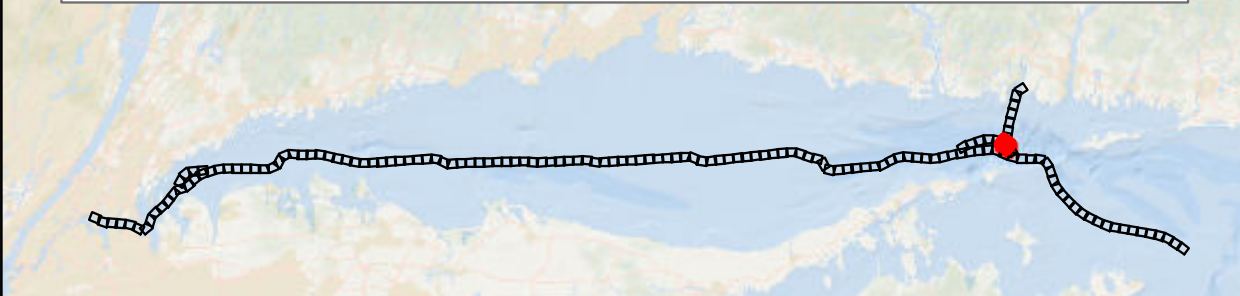
**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 119

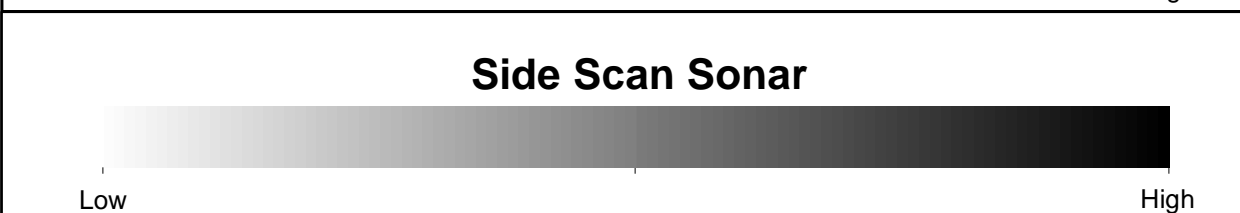
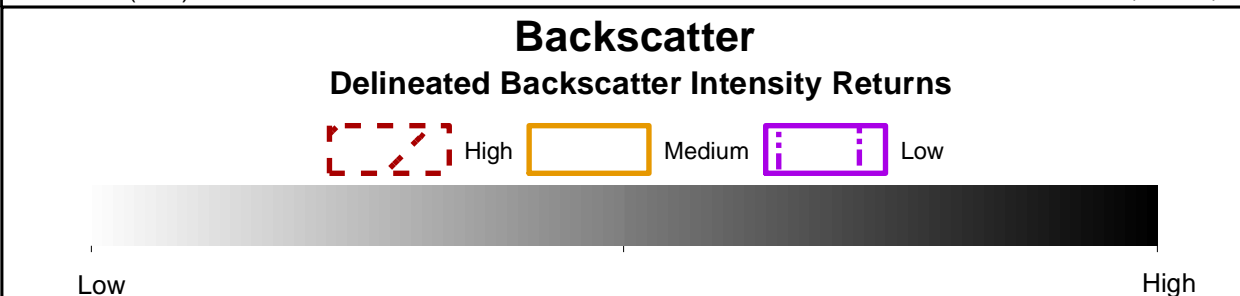
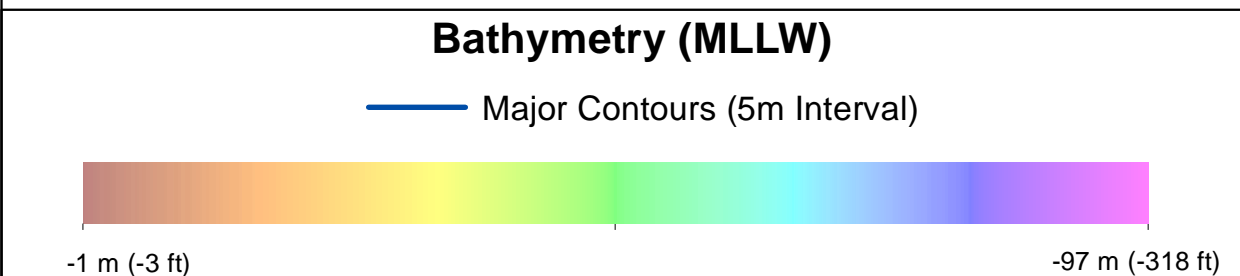
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - N/A



**Map Book Package for Submarine Export Cable Route in State Waters**



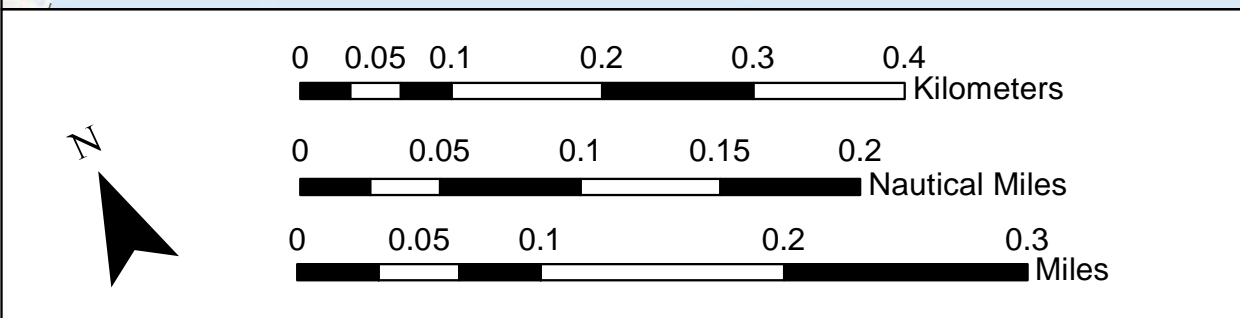
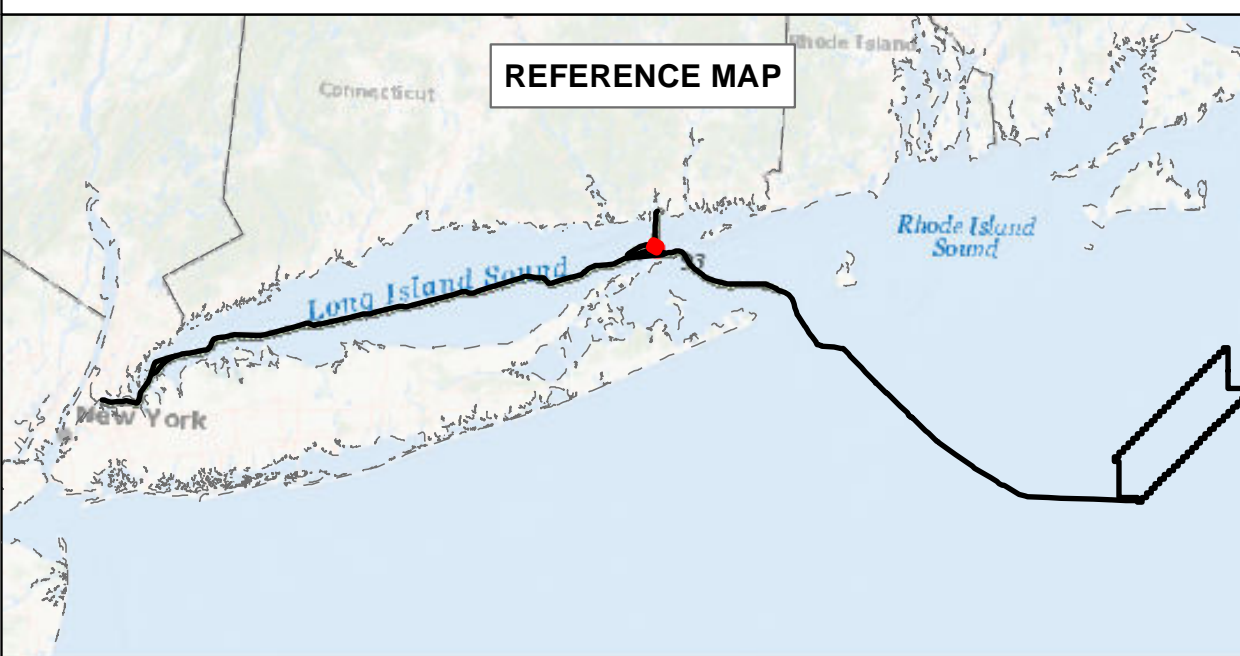
- BW2 CT
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Benthic Features</b>  |
| ◆ Grab and Video       | ▭ Sand Ripples   |
| ◆ SPI/PV               | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ★ Video                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>    | ■ Mixed Sediment/Complex Habitat                                 |
| ● Soft Sediment Fauna  |  |
| <b>CMECS Substrate</b> |  |
| ● Gravel Mix           |  |
| ● Gravelly Muddy Sand  |  |
| <b>CMECS Geoform</b>   |  |
| ● Flat                 |  |
| ○ Northern Star Coral  |  |

Note:  
1) Legend only shows items visible in the current map extent.

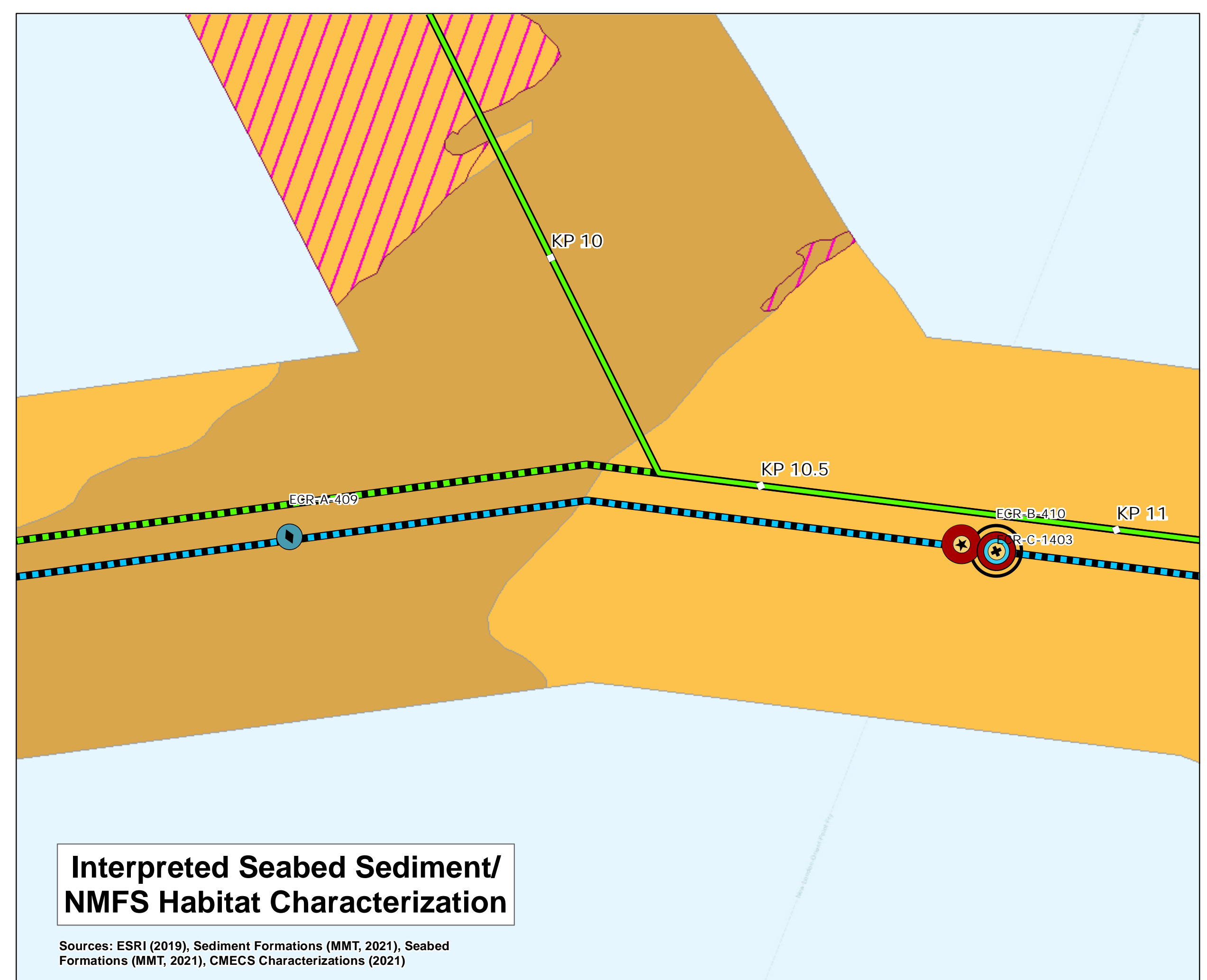
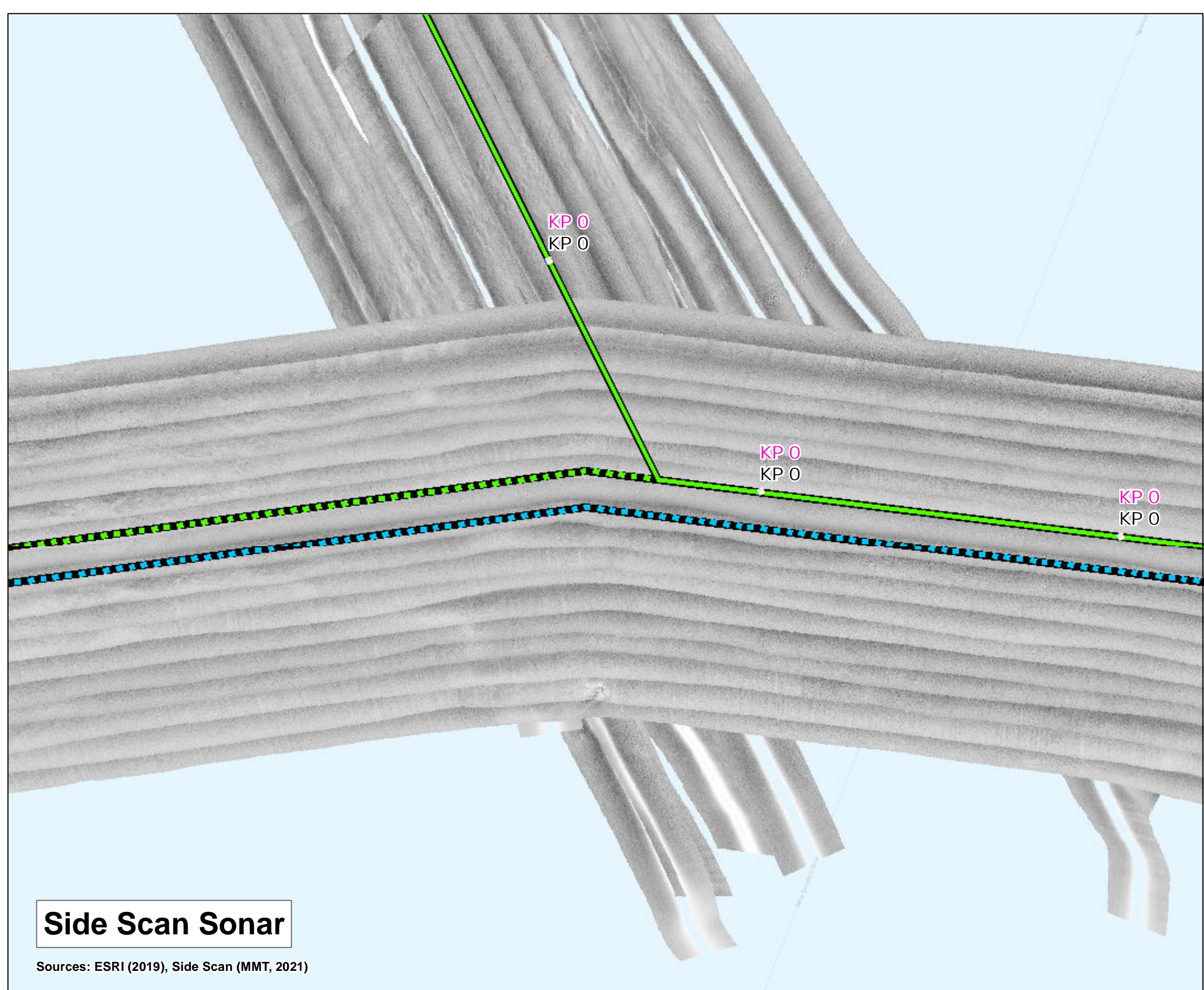
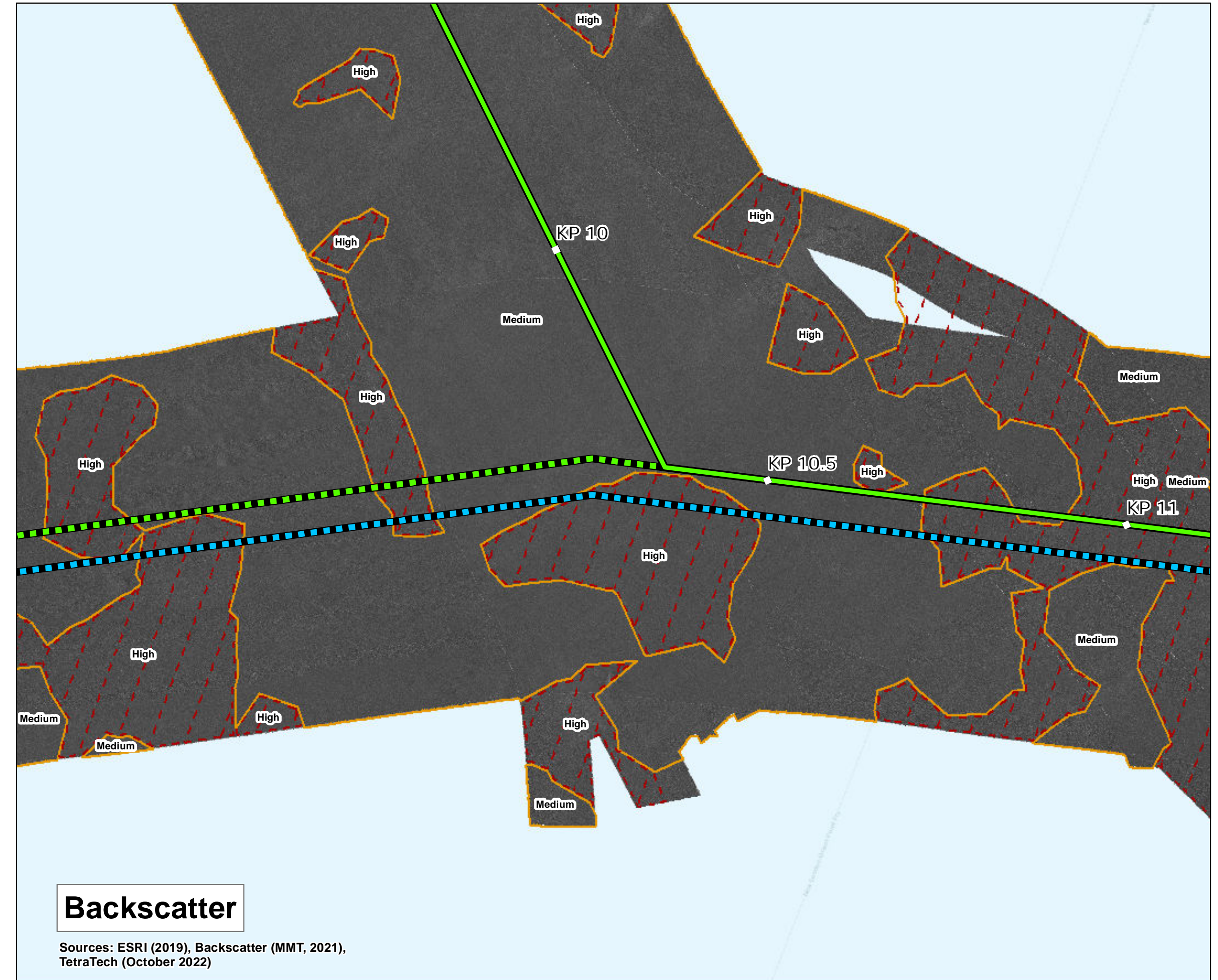
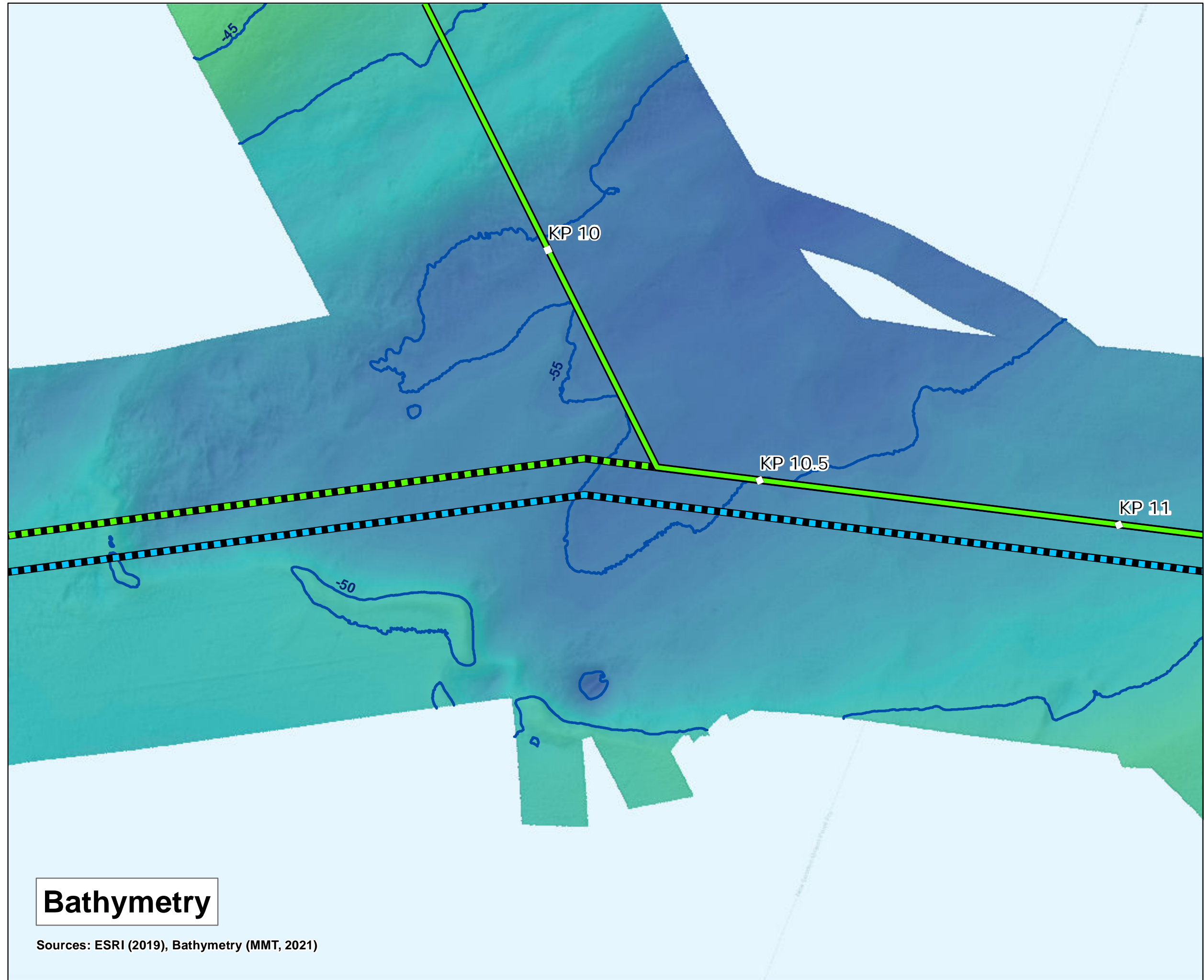
Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 120

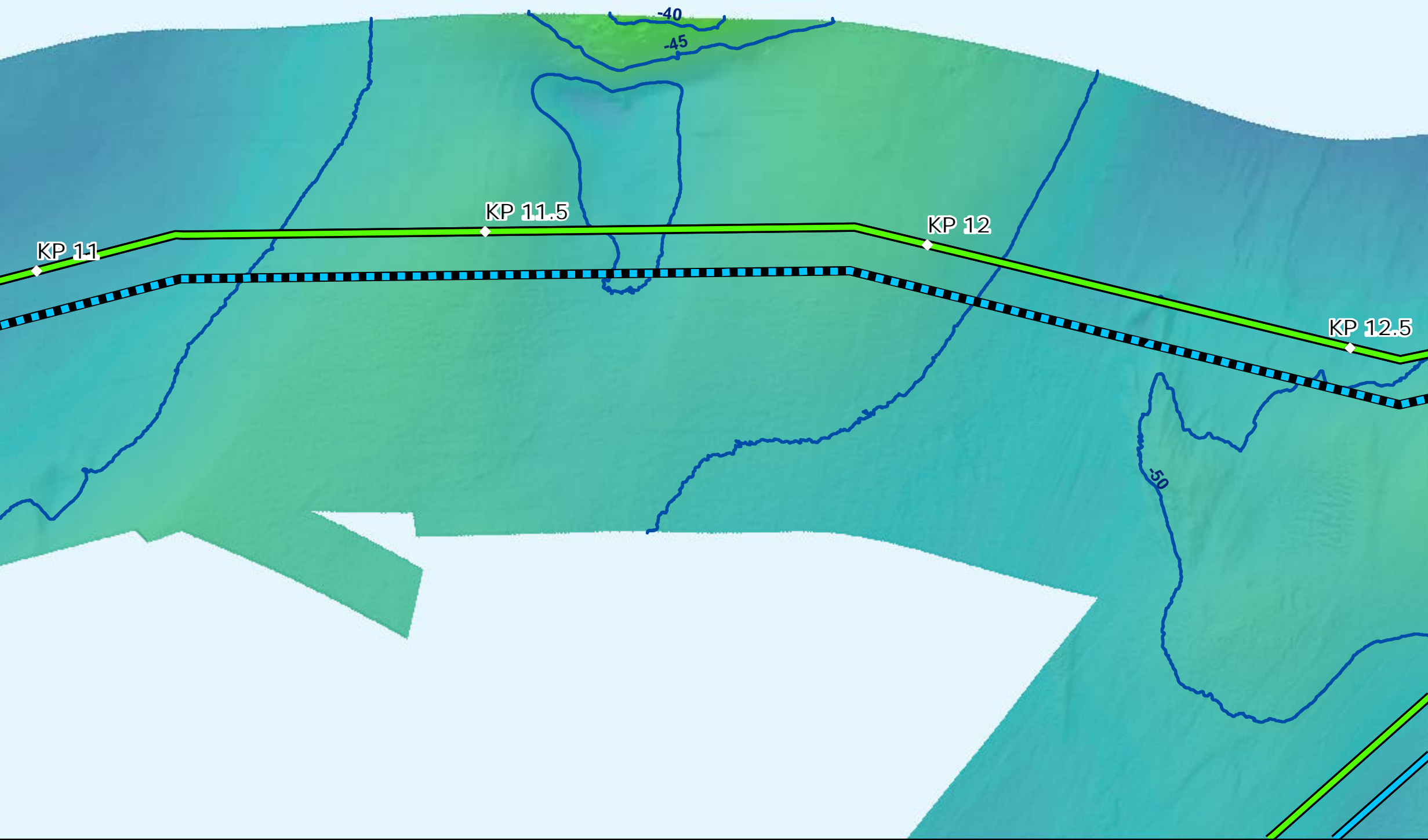
BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - KP 10 - KP 11





# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



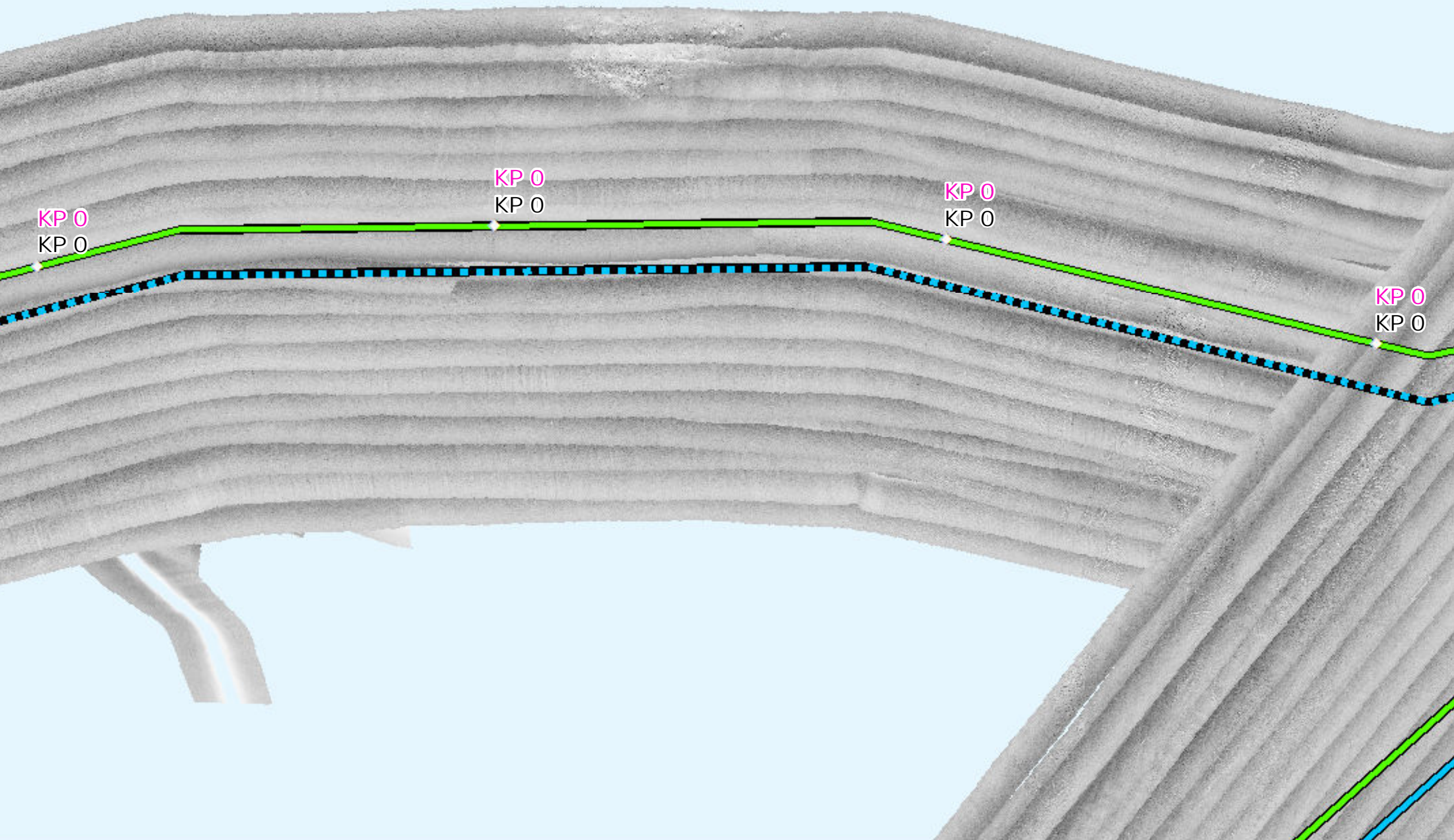
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



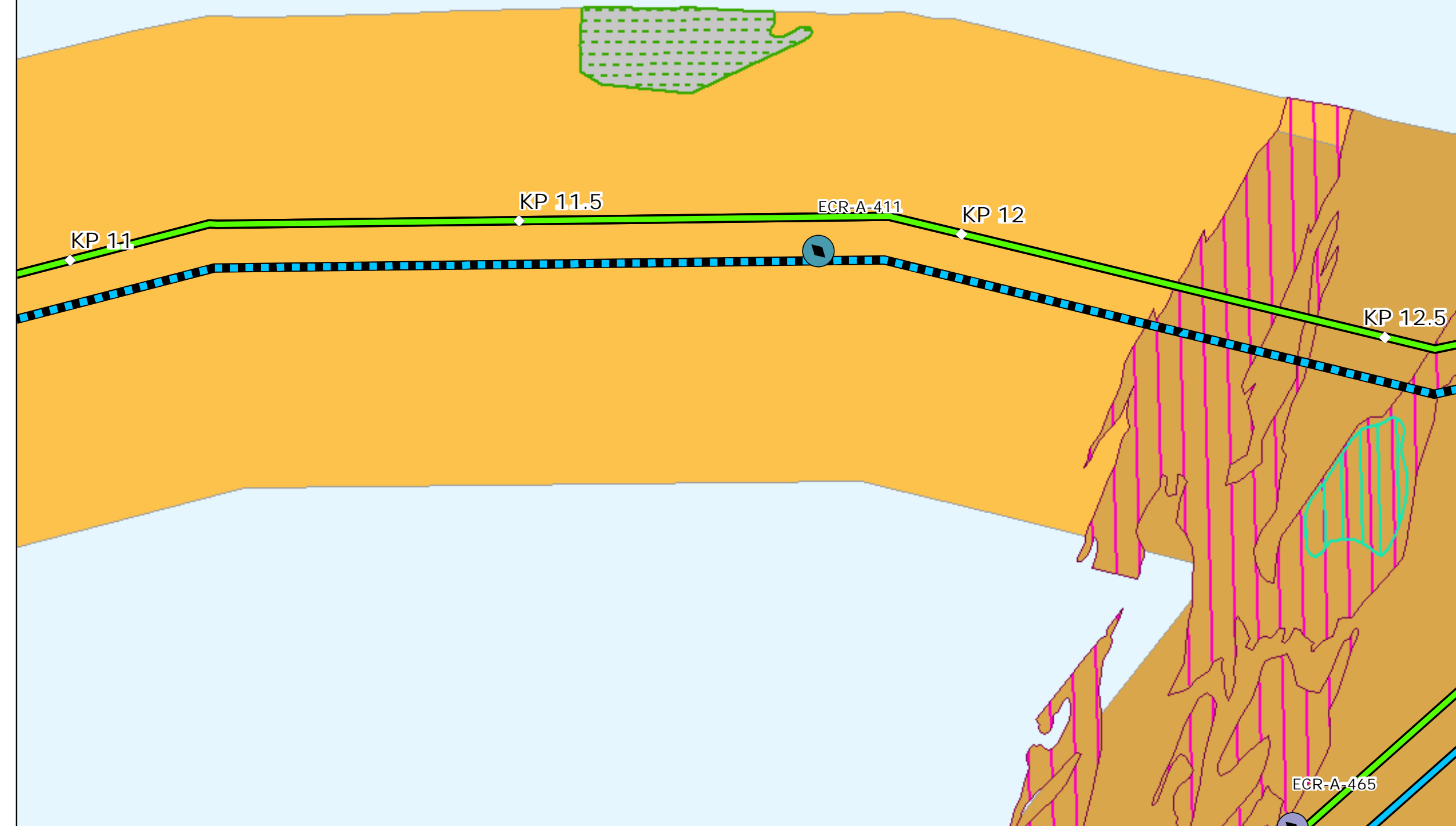
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

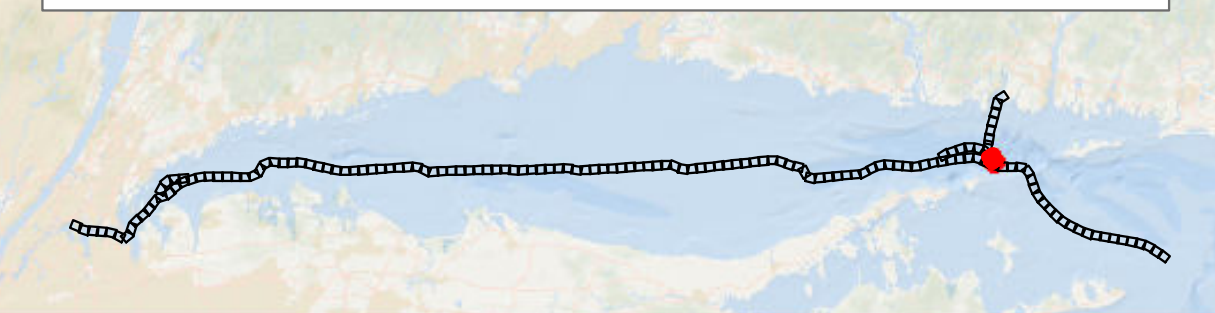


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

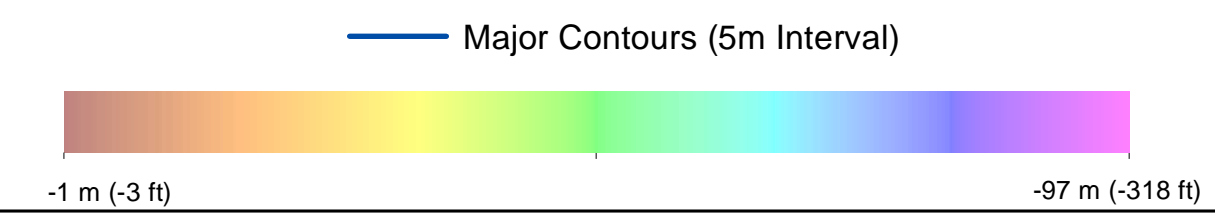


# Map Book Package for Submarine Export Cable Route in State Waters

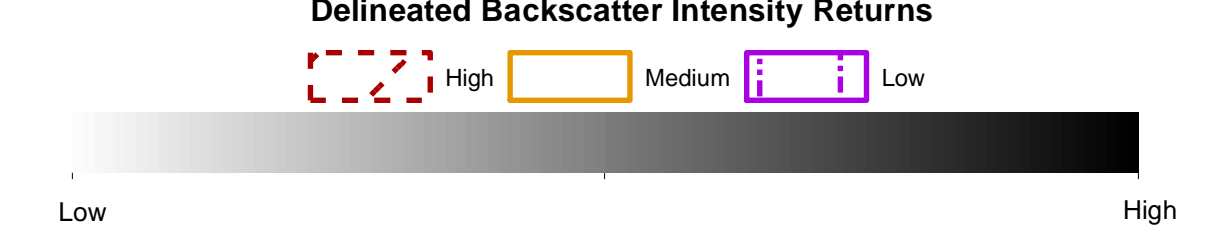


- BW1 and BW2 KPs
- BW2 CT
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar



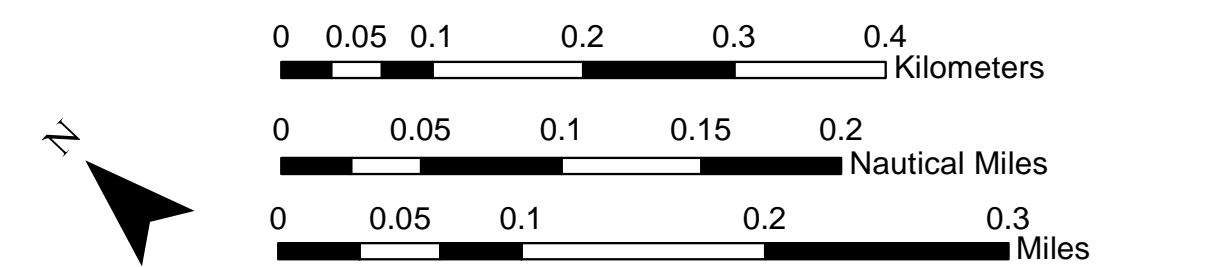
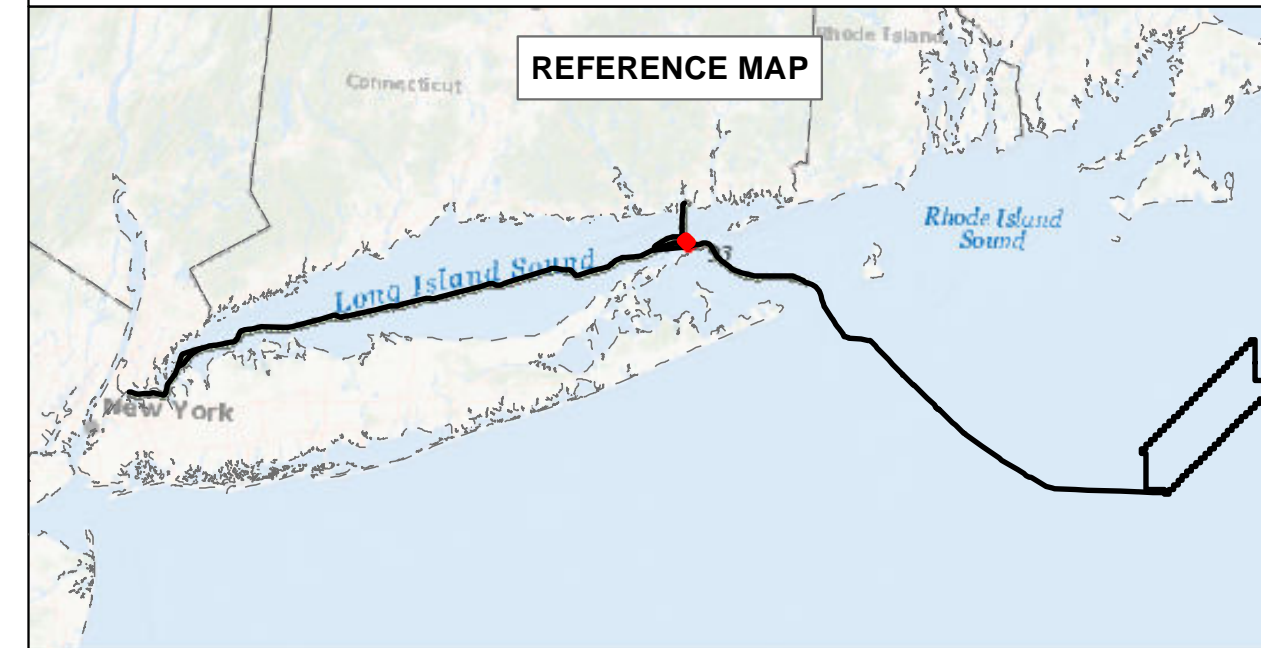
## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
    - SPI/PV
    - Numerous Boulders/Large Grained Complex Habitat
  - CMECS Substrate**
    - Gravel Mix
    - Gravelly
  - Benthic Features**
    - Megaripples
    - Sand Ripples
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Sand and Muddy
    - Sand/Soft Bottom Habitat
    - Mixed Sediment/Complex Habitat
    - Habitat
    - Till/Complex Habitat
- Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

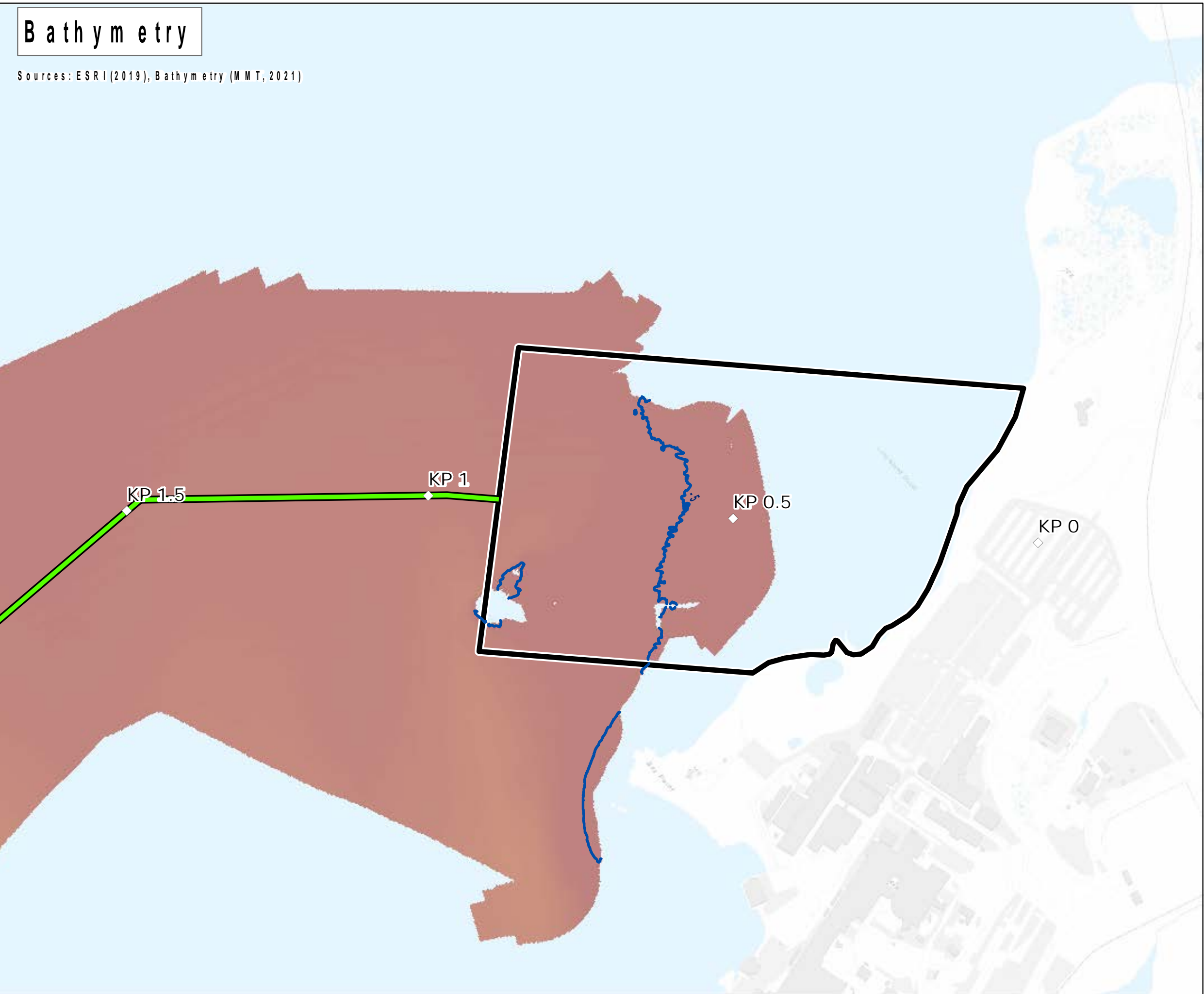
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 121

BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - KP 11 - KP 12.5



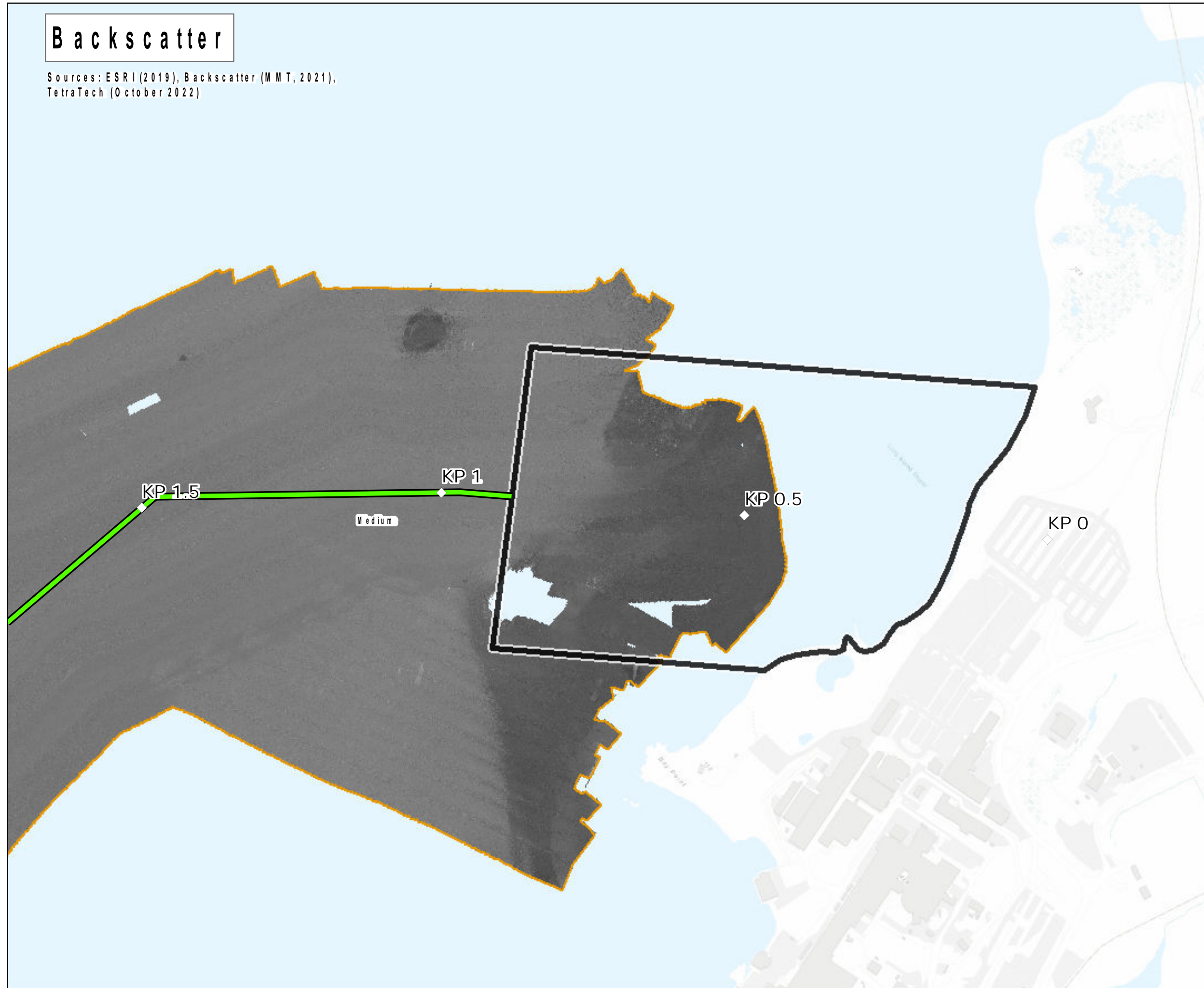
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



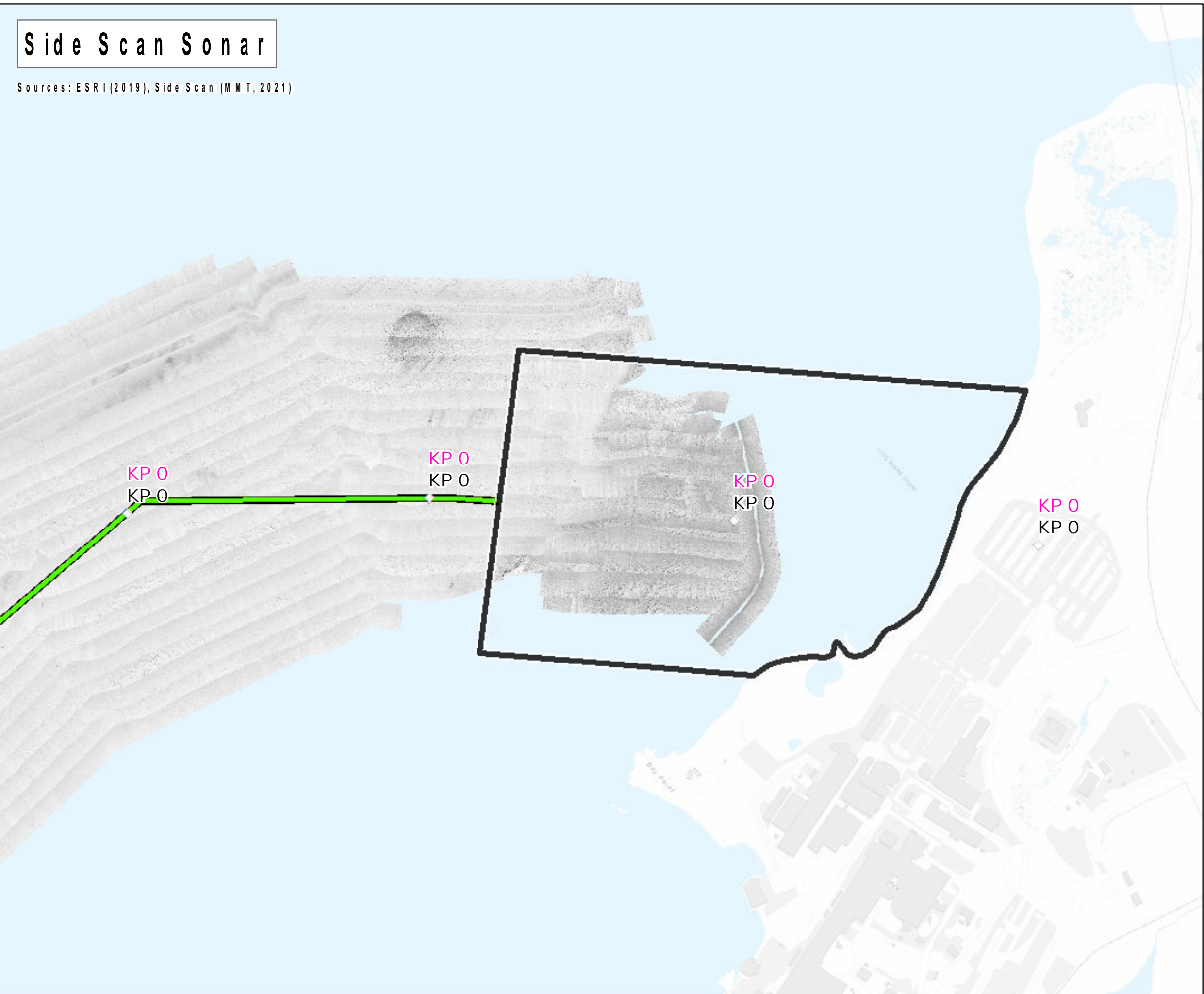
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



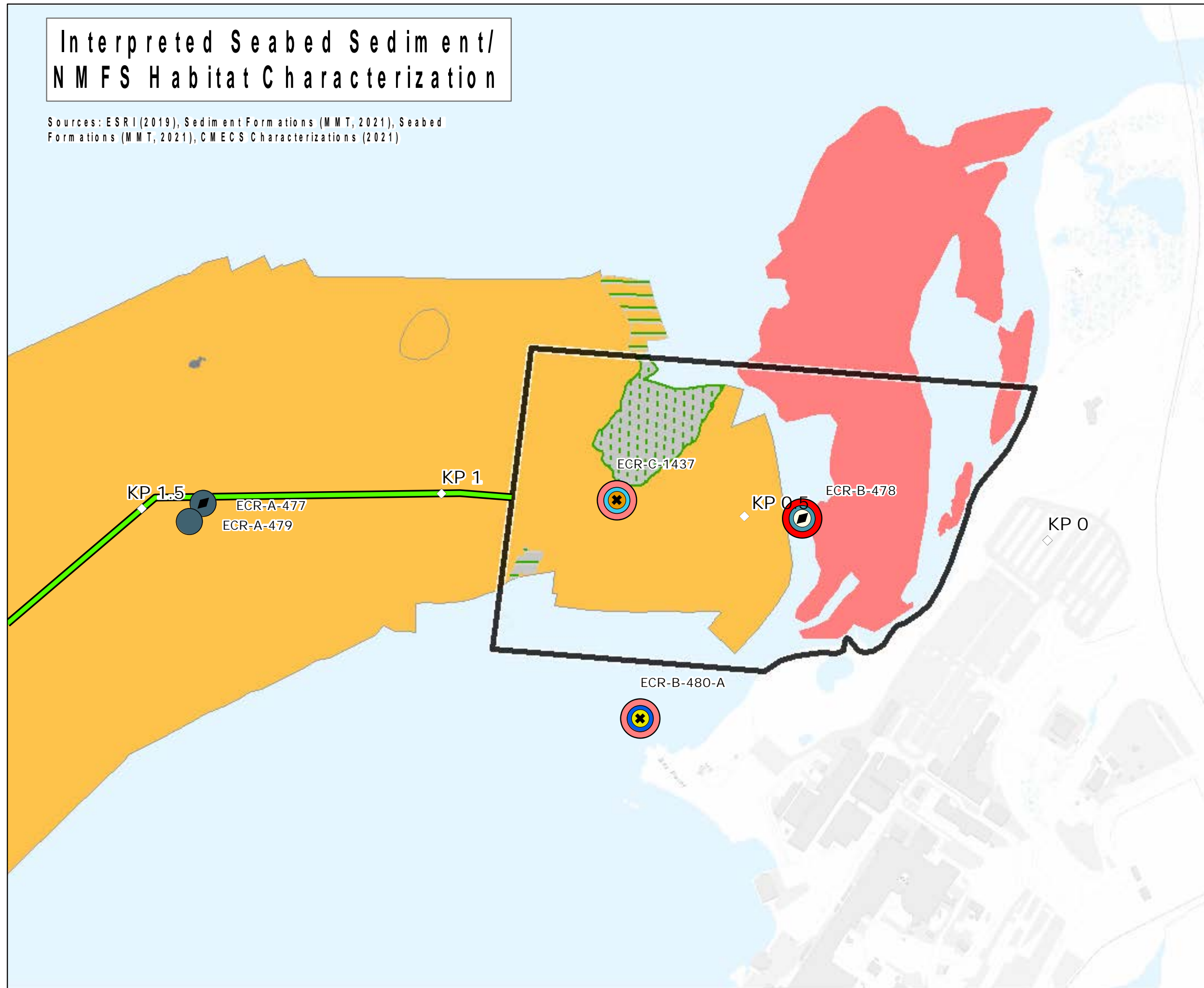
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

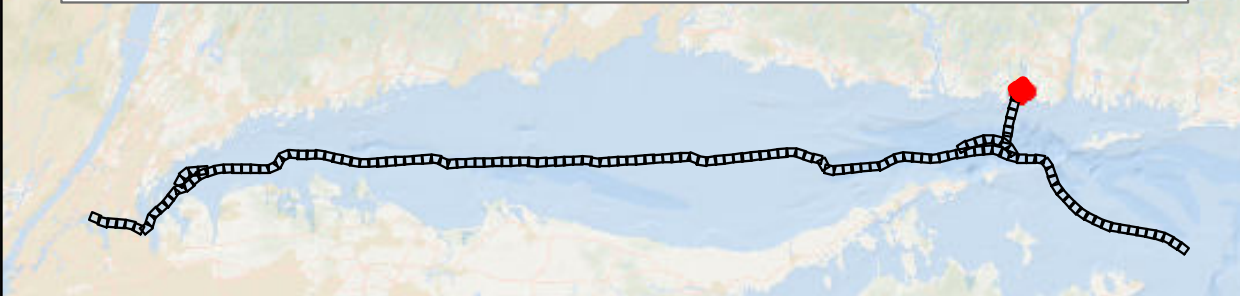


### Interpreted Seabed Sediment/NMFS Habitat Characterization

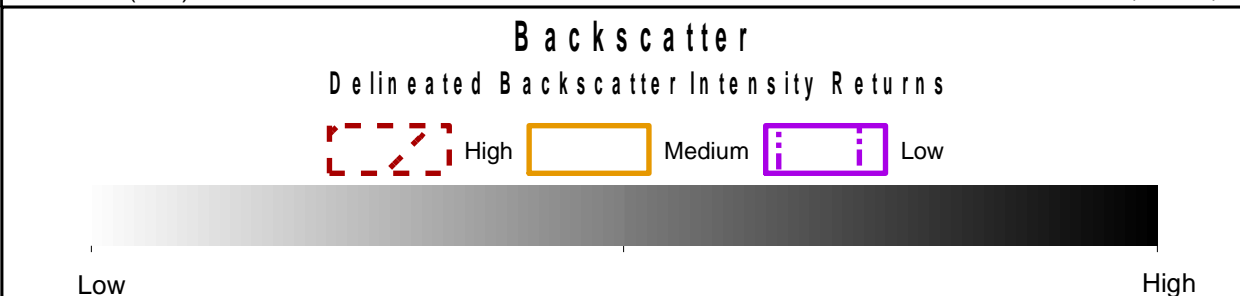
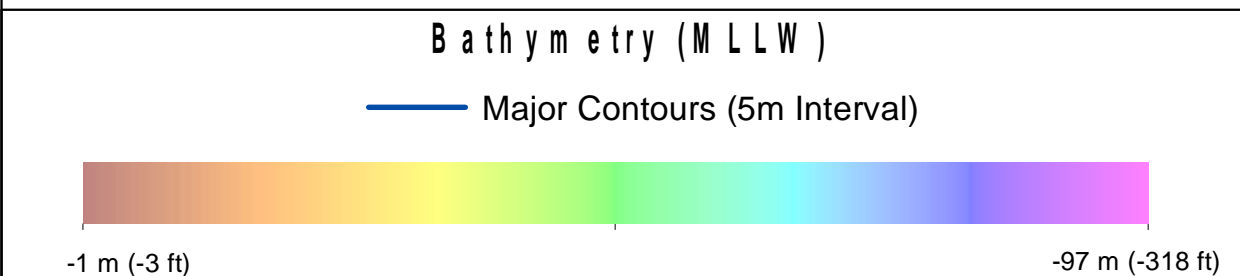
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



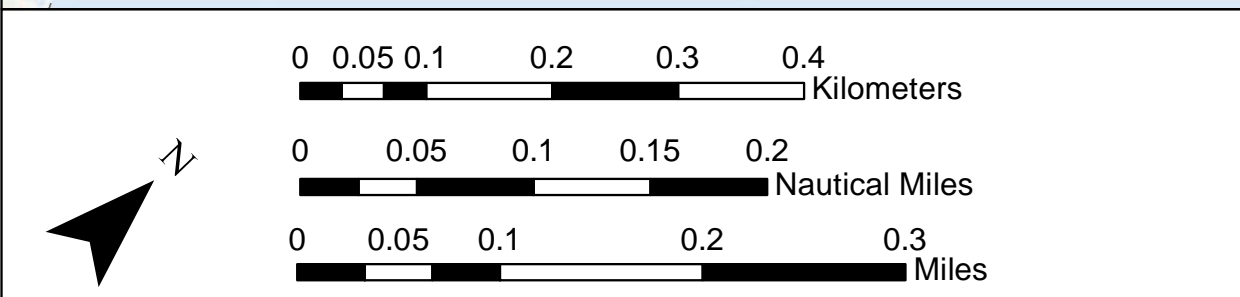
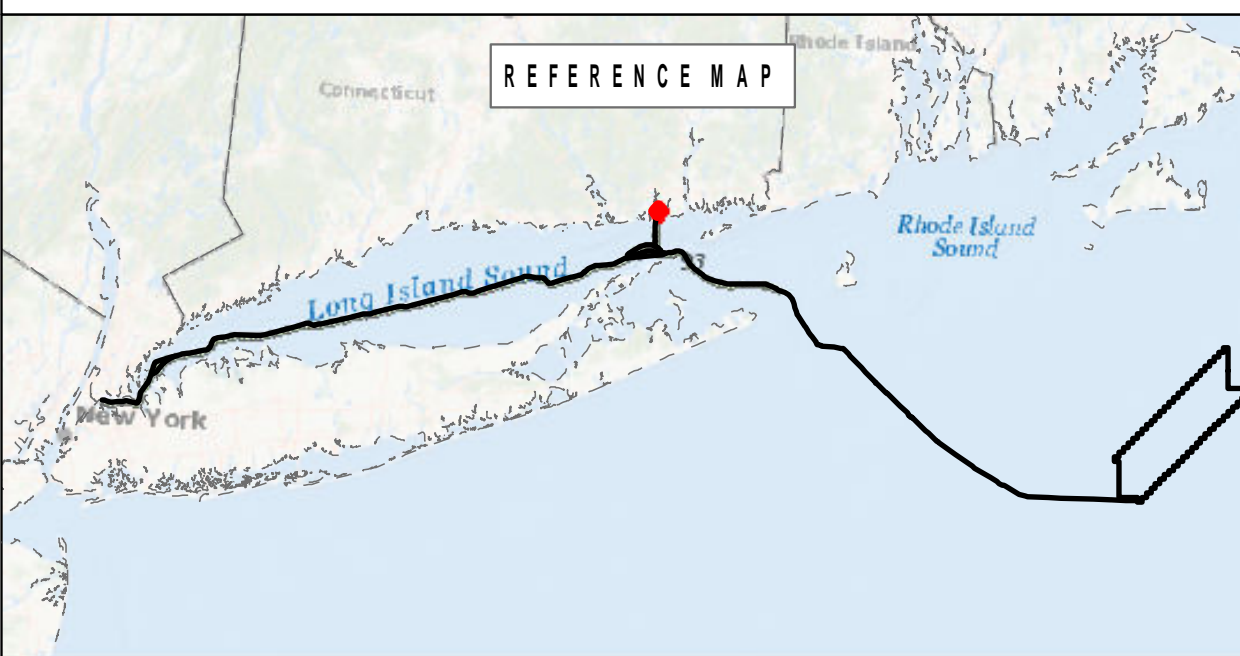
- BW2 CT
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Corridor (CT)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |  |   |  |
|--|---|--|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li><span style="color: black;">+</span> Grab and Video</li> <li><span style="color: black;">◆</span> SPI/PV</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li><span style="color: yellow;">○</span> Attached Fauna</li> <li><span style="color: yellow;">●</span> Crepidula spp. Beds</li> <li><span style="color: yellow;">●</span> Faunal Bed</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Gravel Mix</li> <li><span style="color: cyan;">●</span> Gravelly Muddy Sand</li> <li><span style="color: blue;">●</span> Muddy Sand</li> <li><span style="color: darkblue;">●</span> Sand</li> </ul> | <p><b>CMECS Geoform</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">●</span> Boulder Field</li> <li><span style="color: red;">●</span> Burrows/Bioturbation</li> </ul> <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li><span style="color: orange;">■</span> Mixed Sediment/Complex Habitat</li> <li><span style="color: grey;">■</span> Till/Complex Habitat</li> <li><span style="color: grey;">■</span> Gravel/Complex Habitat</li> <li><span style="color: red;">■</span> Submerged Aquatic Vegetation/Complex Habitat</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Numerous Boulders/Large Grained Complex Habitat</li> <li><span style="color: green;">■</span> Occasional Boulders/Large Grained Complex Habitat</li> </ul> |
|--|---|--|

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:6000



**BEACON WIND LEASE AREA OCS-A 0520**

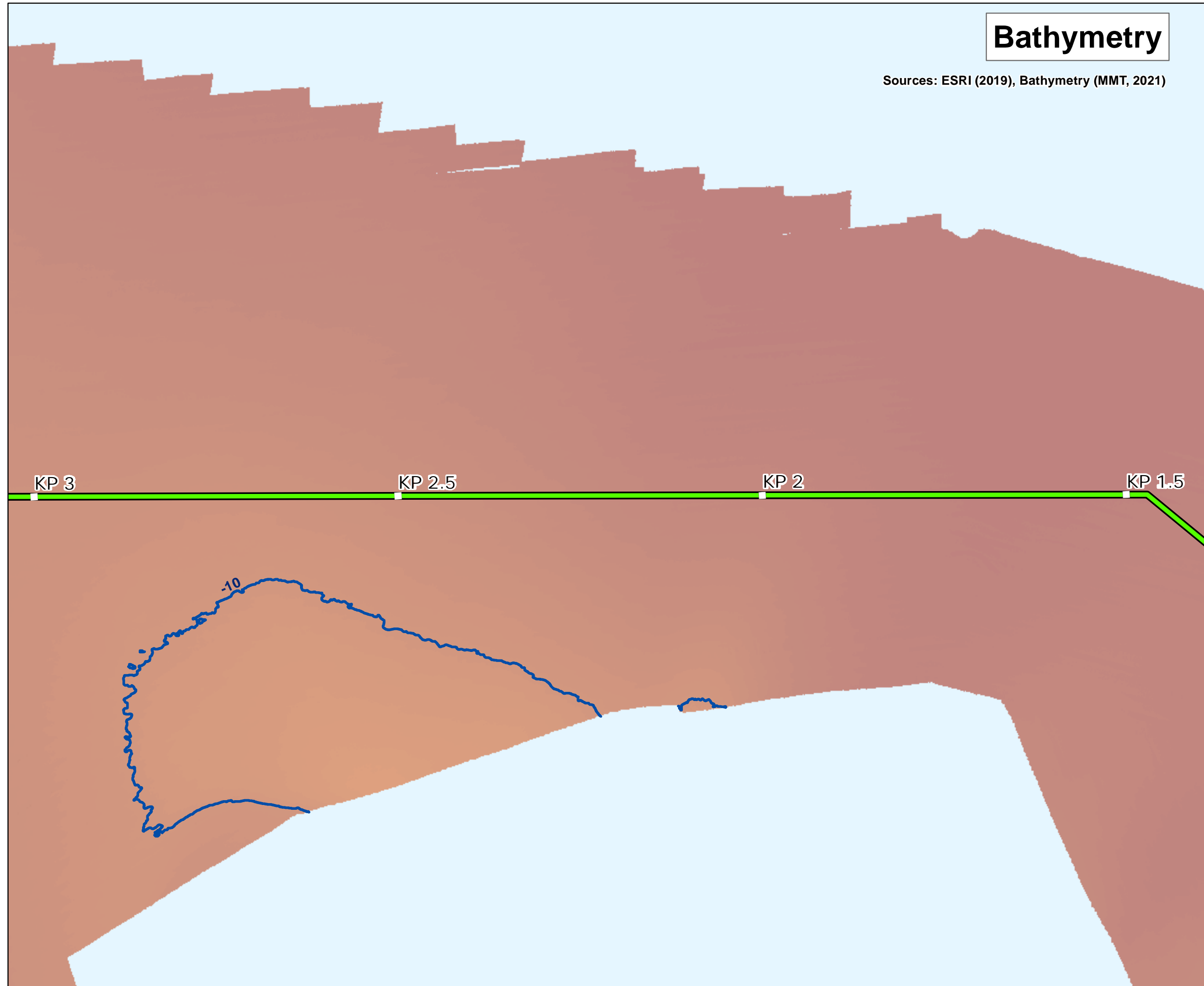
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 122

BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - KP 0 - KP 1.5



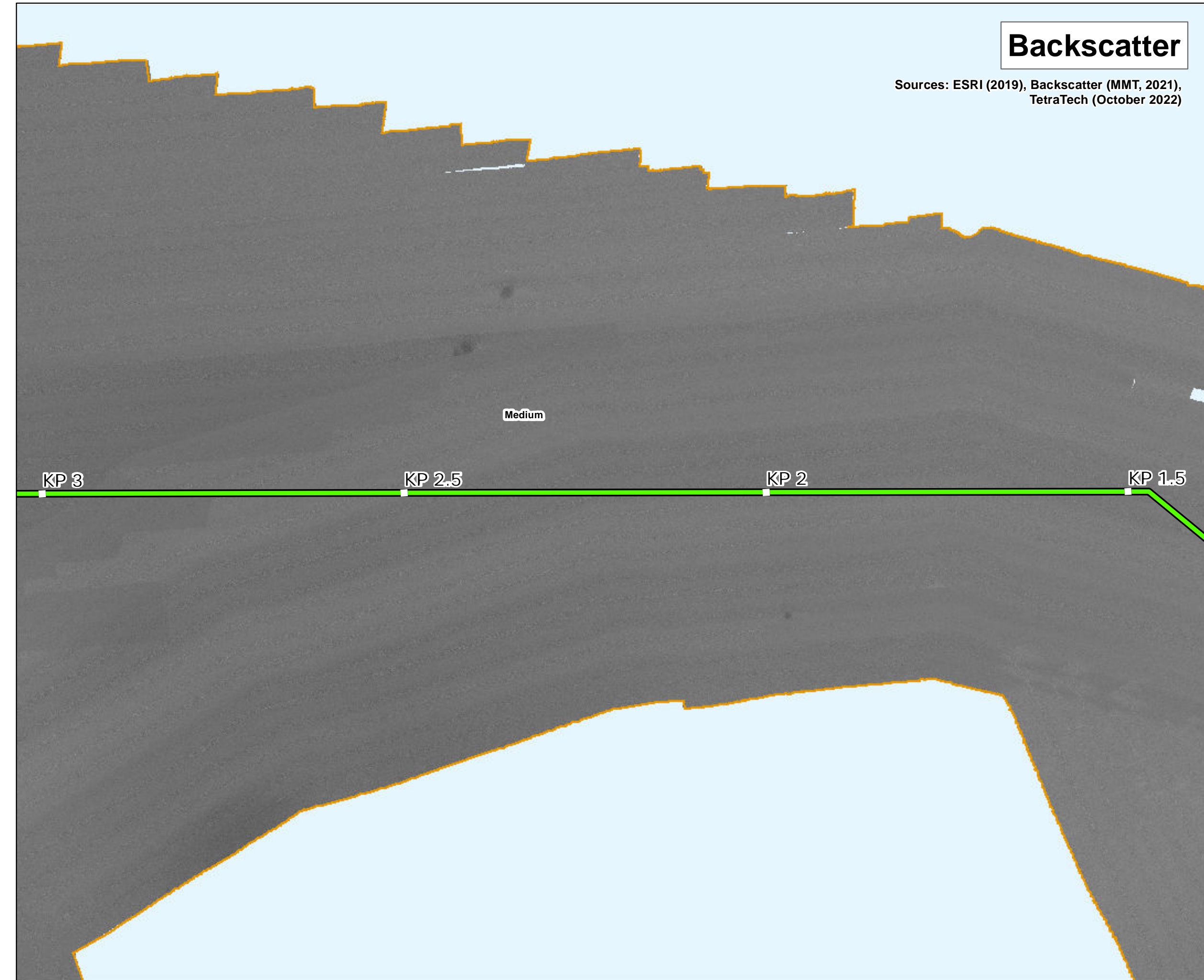
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)

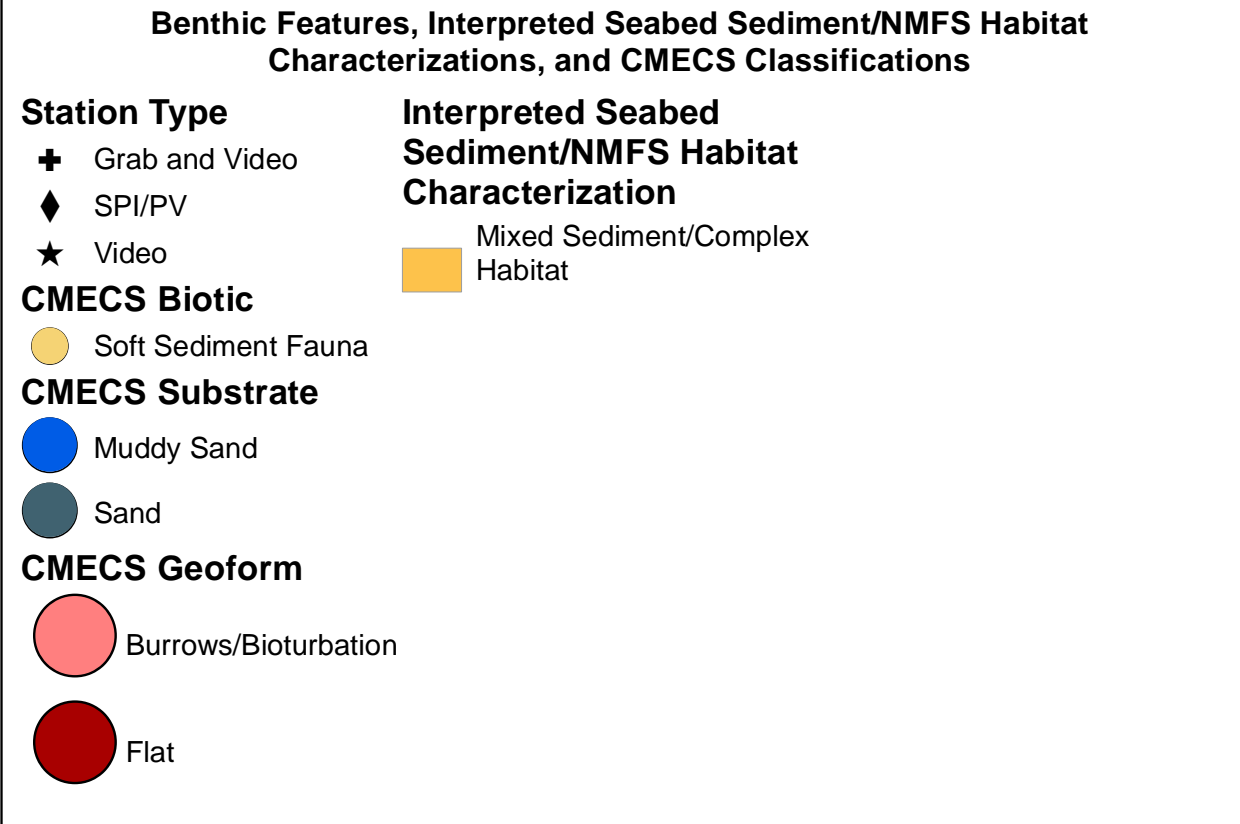
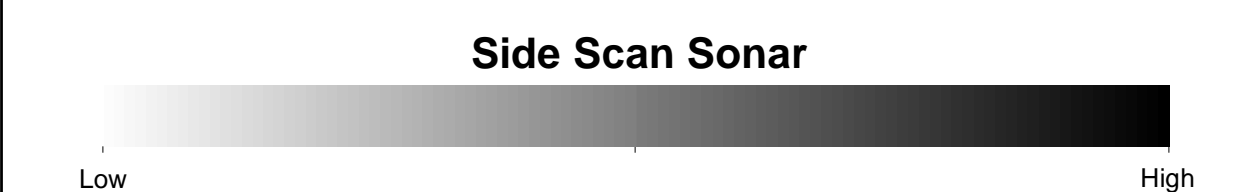
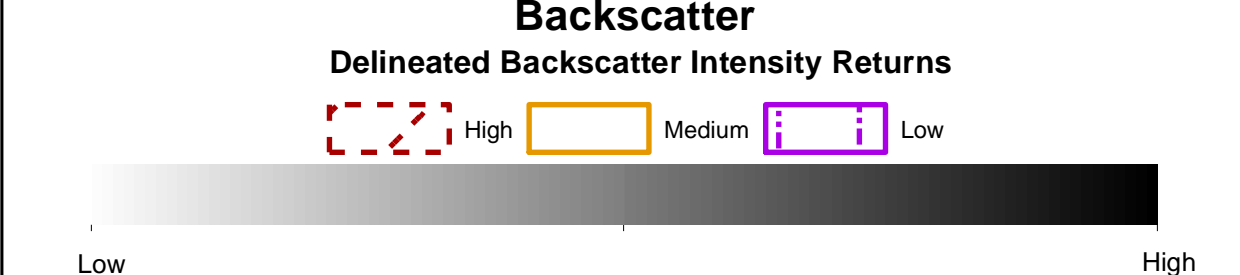
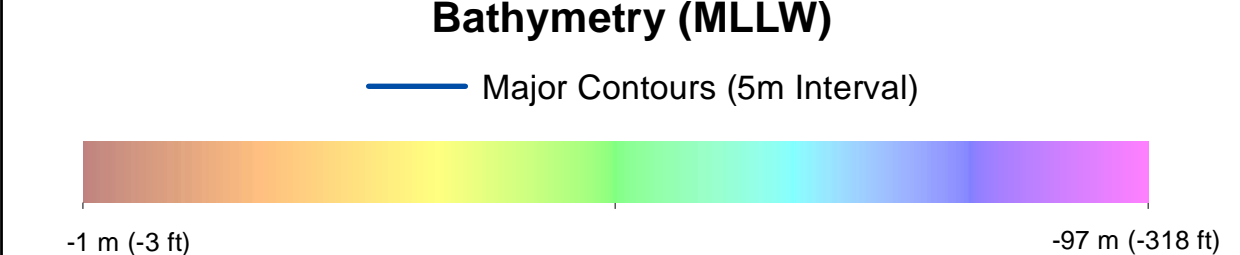
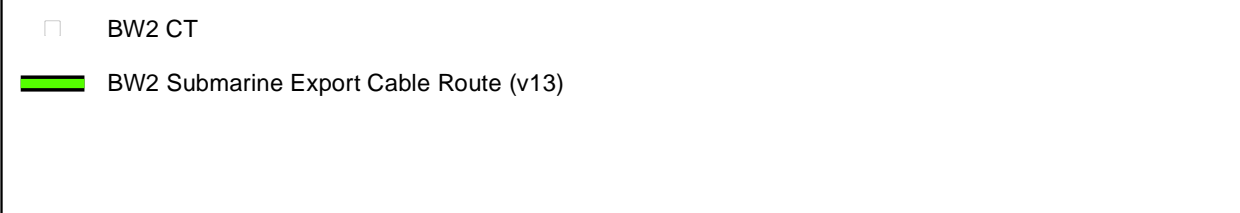
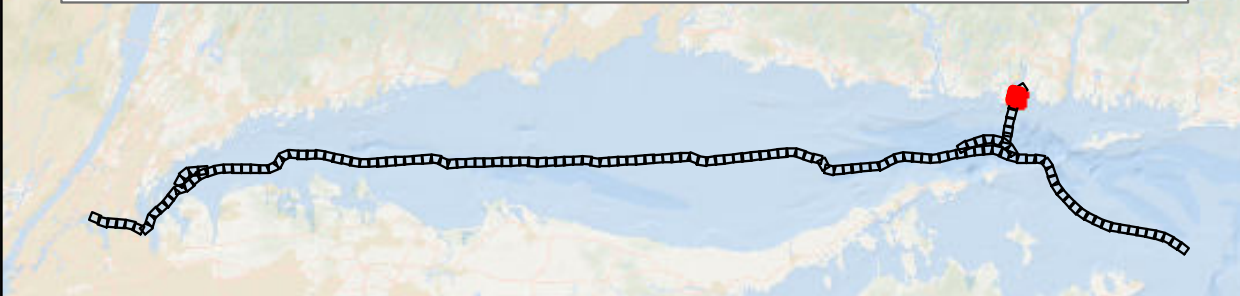


### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)

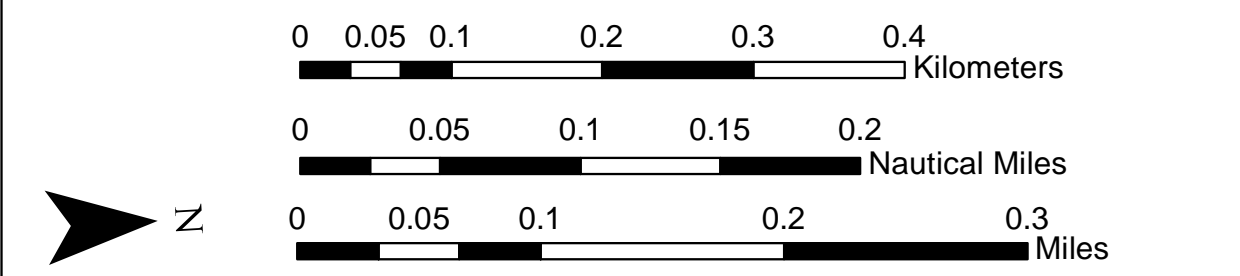
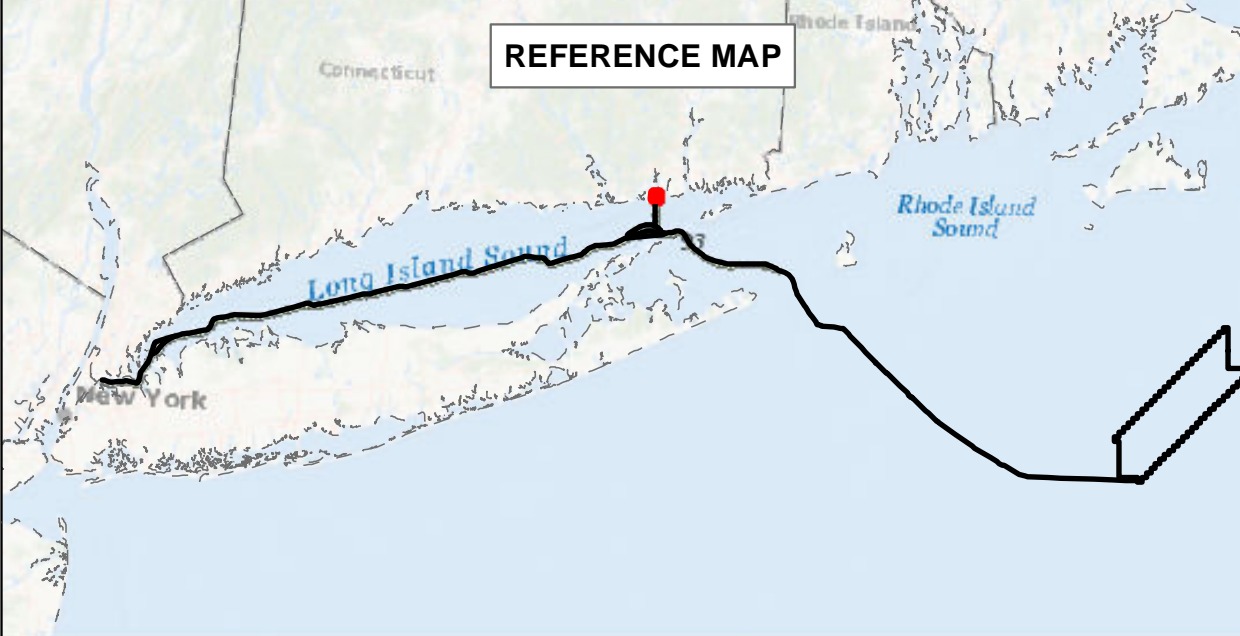


### Map Book Package for Submarine Export Cable Route in State Waters



Note:  
1) Legend only shows items visible in the current map extent.

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Date: 3/1/2023  
Scale: 1:5000



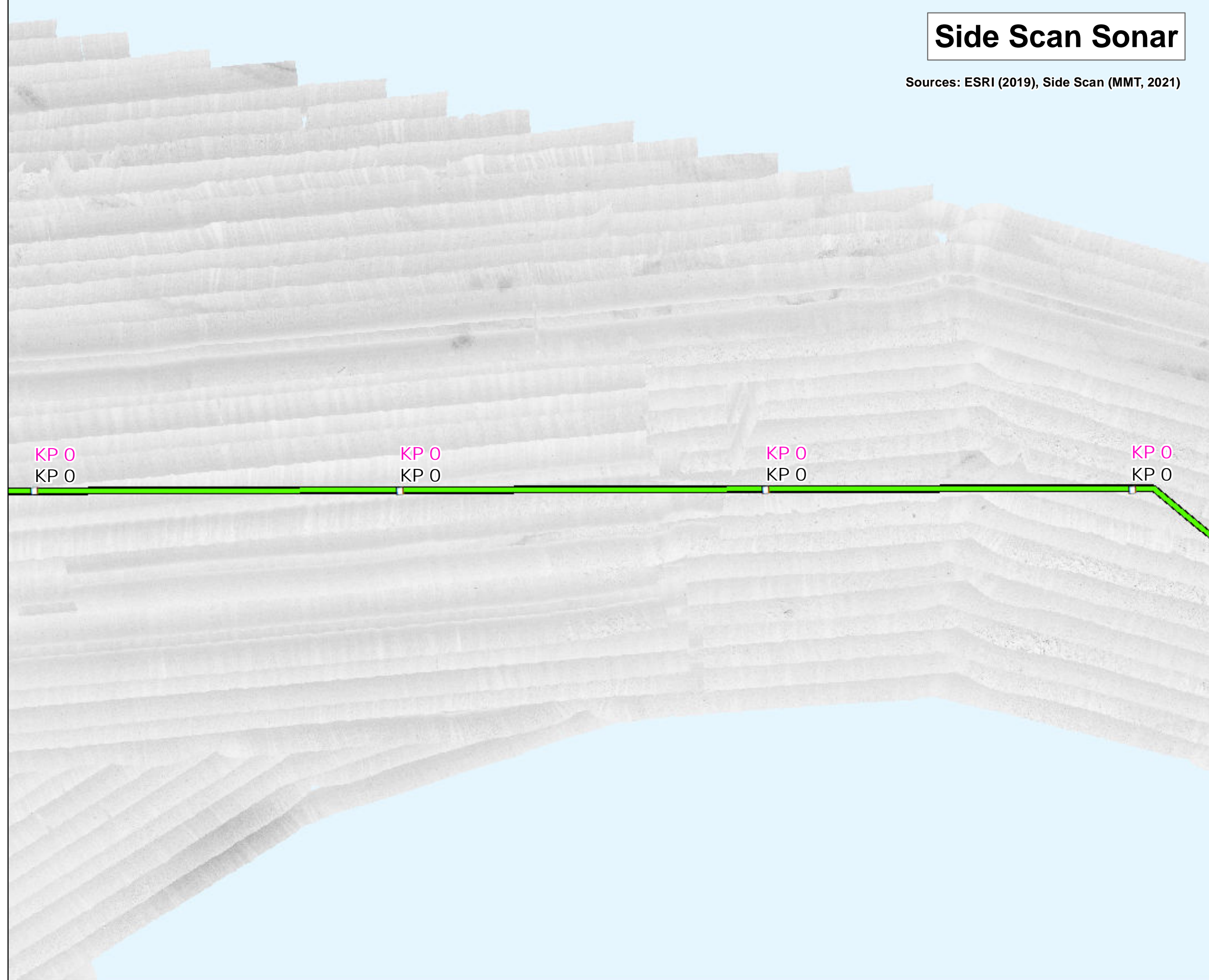
### BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 123

BW1 (NY) - N/A  
 BW2 (NY) - N/A  
 BW2 (CT) - KP 1.5 - KP 3

### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

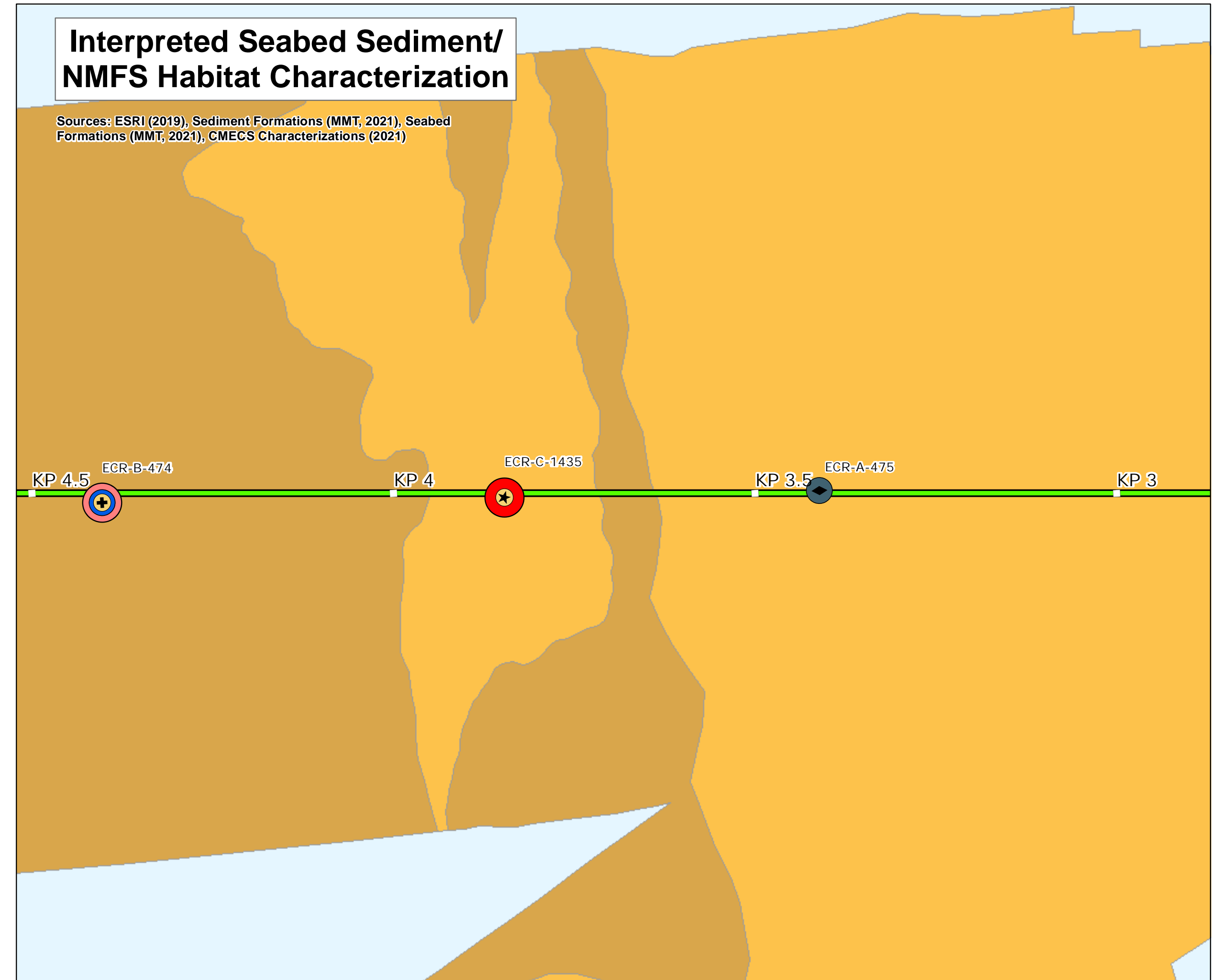
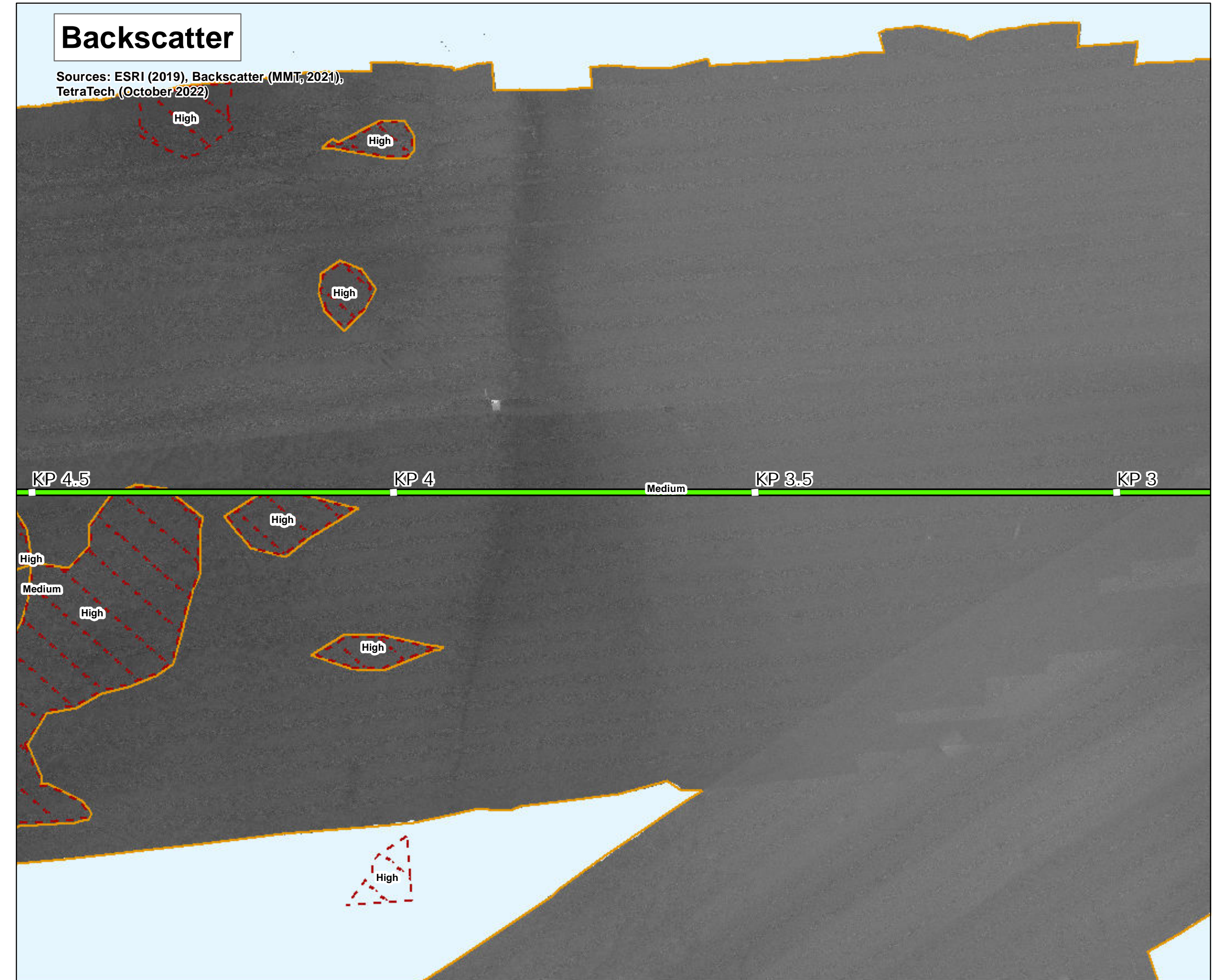
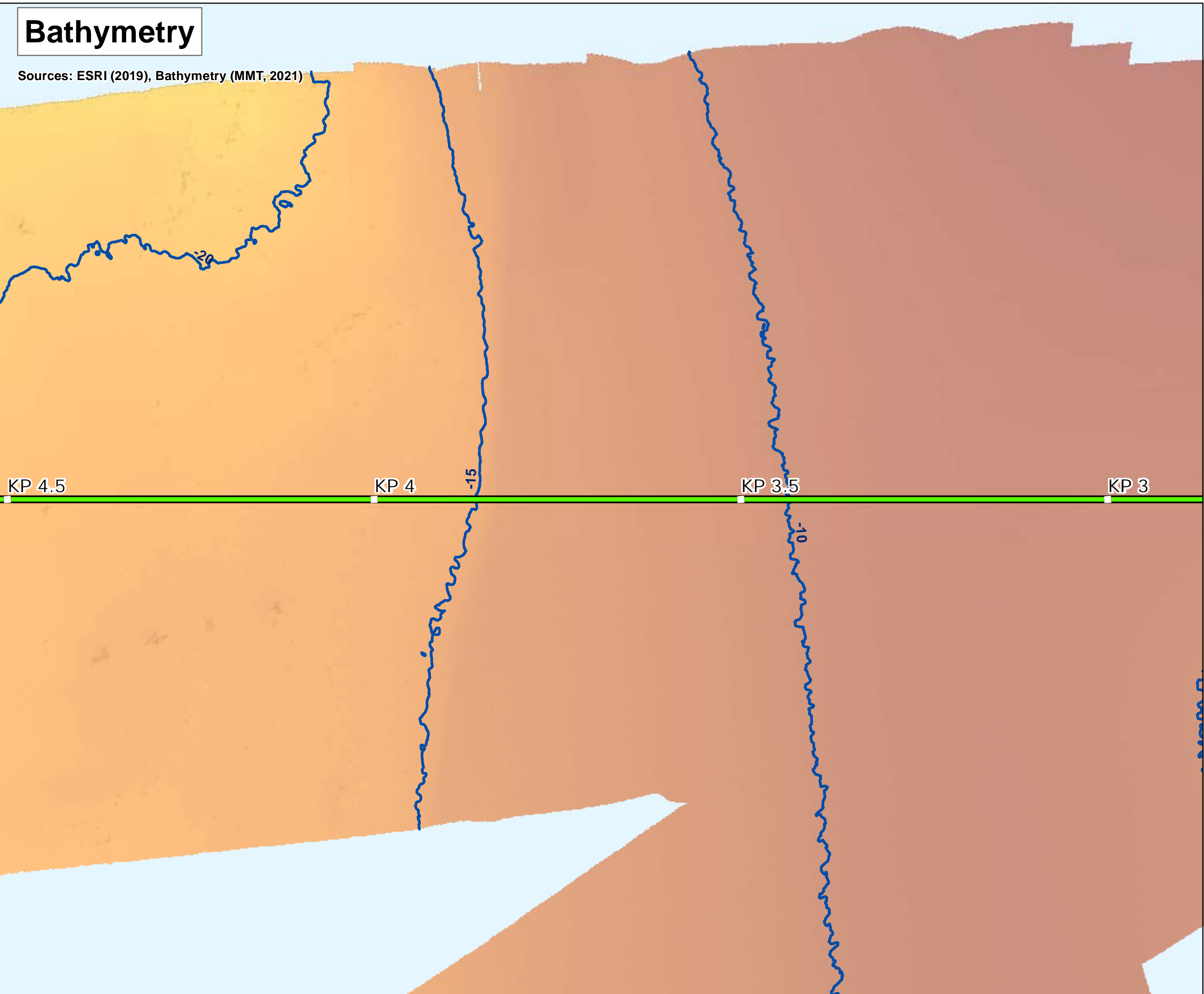


### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)







### Map Book Package for Submarine Export Cable Route in State Waters

BW2 CT

BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)

Major Contours (5m Interval)

-1 m (-3 ft) -97 m (-318 ft)

#### Backscatter

Delineated Backscatter Intensity Returns

High Medium Low

Low High

#### Side Scan Sonar

Low High

#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

<b>Station Type</b>	<b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b>
✦ Grab and Video	■ Sand and Muddy
◆ SPI/PV	■ Sand/Soft Bottom Habitat
★ Video	■ Mixed Sediment/Complex
<b>CMECS Biotic</b>	■ Habitat
● Soft Sediment Fauna	
<b>CMECS Substrate</b>	
● Muddy Sand	
● Sand	
<b>CMECS Geoform</b>	
● Boulder Field	
● Burrows/Bioturbation	

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

#### REFERENCE MAP

0 0.05 0.1 0.2 0.3 0.4 Kilometers

0 0.05 0.1 0.15 0.2 Nautical Miles

0 0.05 0.1 0.2 0.3 Miles

### BEACON WIND LEASE AREA OCS-A 0520

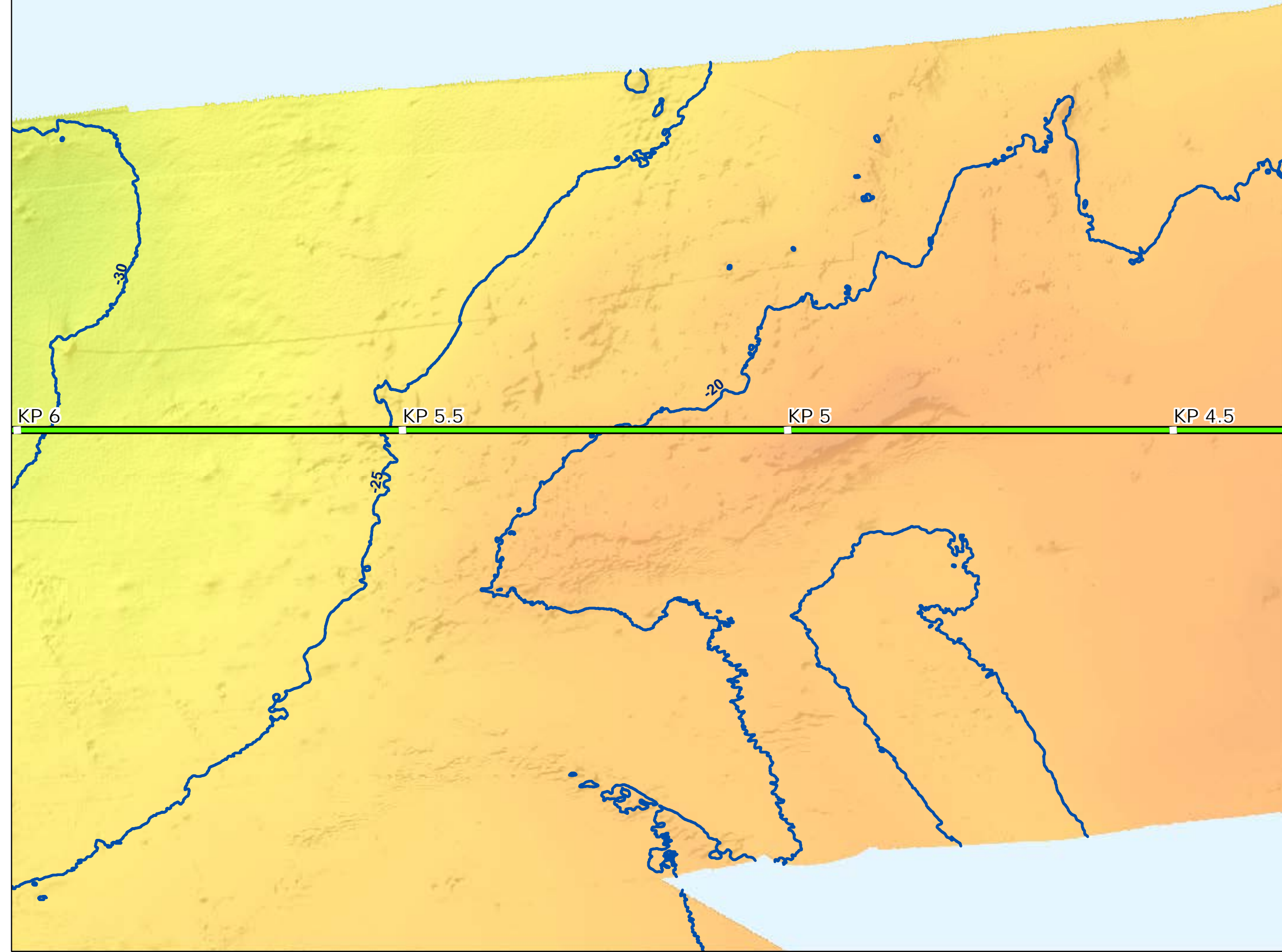
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 124

BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - KP 3 - KP 4.5



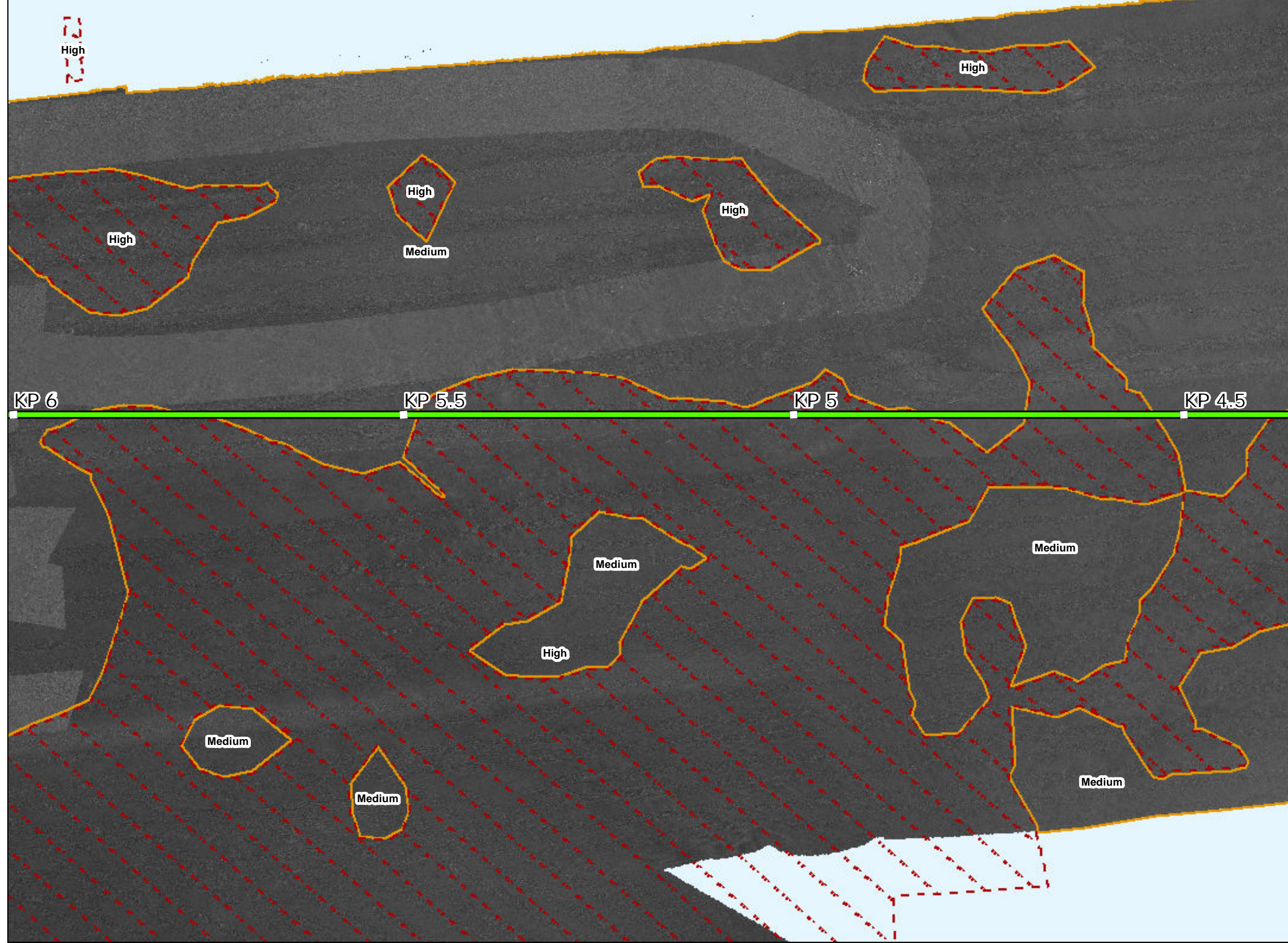
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)

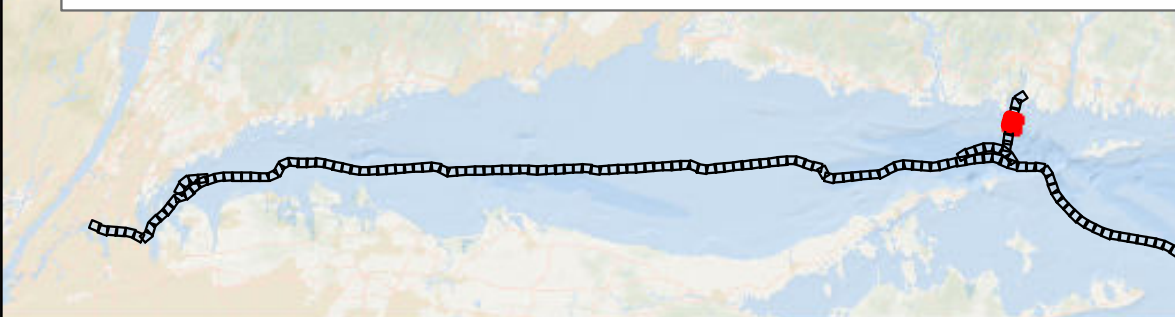


# Backscatter

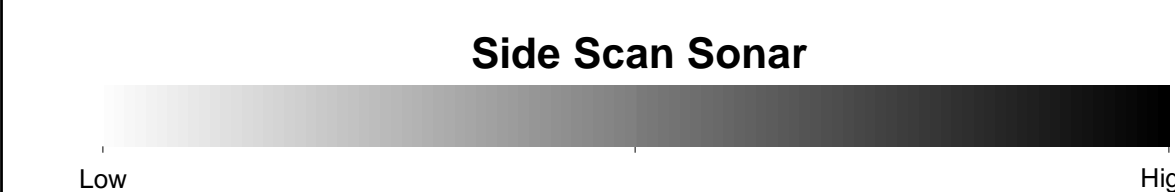
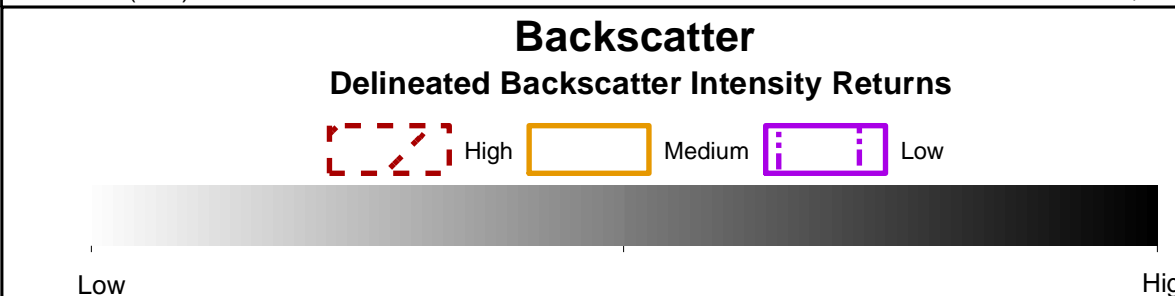
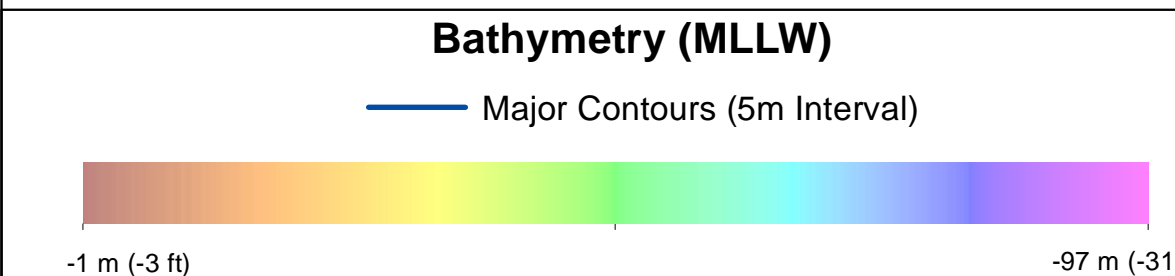
Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



# Map Book Package for Submarine Export Cable Route in State Waters



- BW2 CT
- BW2 Submarine Export Cable Route (v13)

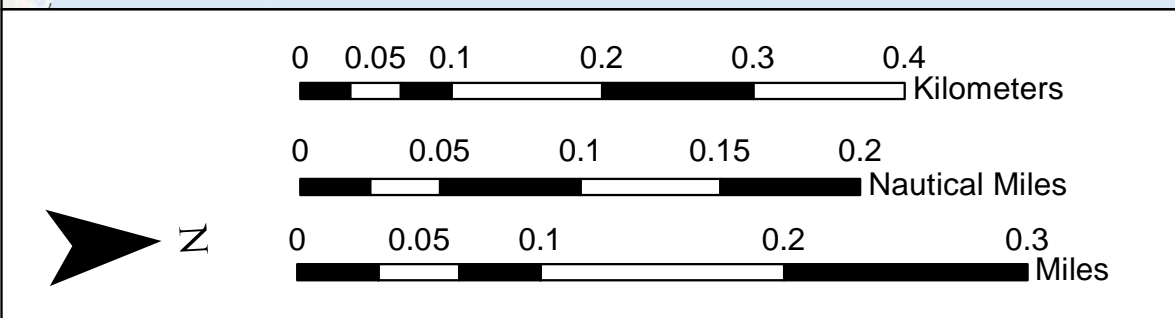
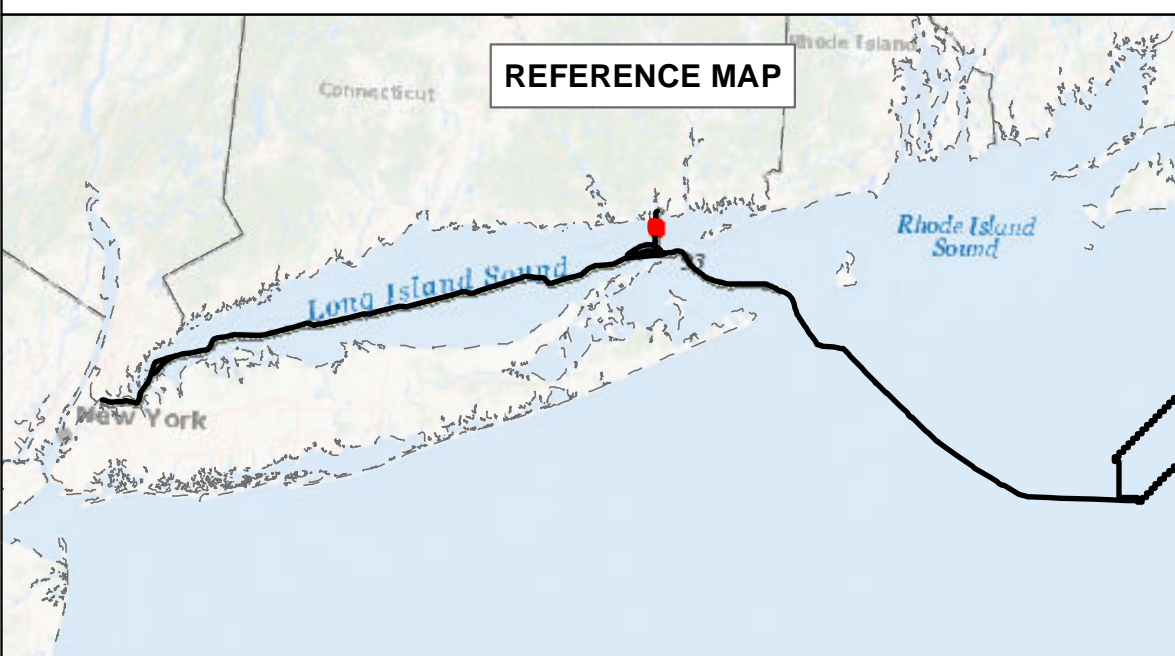


### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

<b>Station Type</b> <ul style="list-style-type: none"> <li>Grab and Video</li> <li>SPI/PV</li> <li>Video</li> </ul>	<ul style="list-style-type: none"> <li>Flat</li> <li>Northern Star Coral</li> </ul>	<ul style="list-style-type: none"> <li>Numerous Boulders/Large Grained Complex Habitat</li> <li>Occasional Boulders/Large Grained Complex Habitat</li> <li>Heterogeneous Complex Habitat</li> </ul>
<b>CMECS Biotic</b> <ul style="list-style-type: none"> <li>Large Macrofauna</li> <li>Soft Sediment Fauna</li> </ul>	<b>Benthic Features</b> <ul style="list-style-type: none"> <li>Sand Ripples</li> </ul>	<b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> <ul style="list-style-type: none"> <li>Sand and Muddy Sand/Soft Bottom Habitat</li> <li>Mixed Sediment/Complex Habitat</li> <li>Till/Complex Habitat</li> </ul>
<b>CMECS Substrate</b> <ul style="list-style-type: none"> <li>Muddy Sand</li> <li>Sand</li> <li>Shell Hash</li> </ul>	<b>CMECS Geoform</b> <ul style="list-style-type: none"> <li>Burrows/Bioturbation</li> </ul>	

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
 Date: 3/1/2023  
 Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

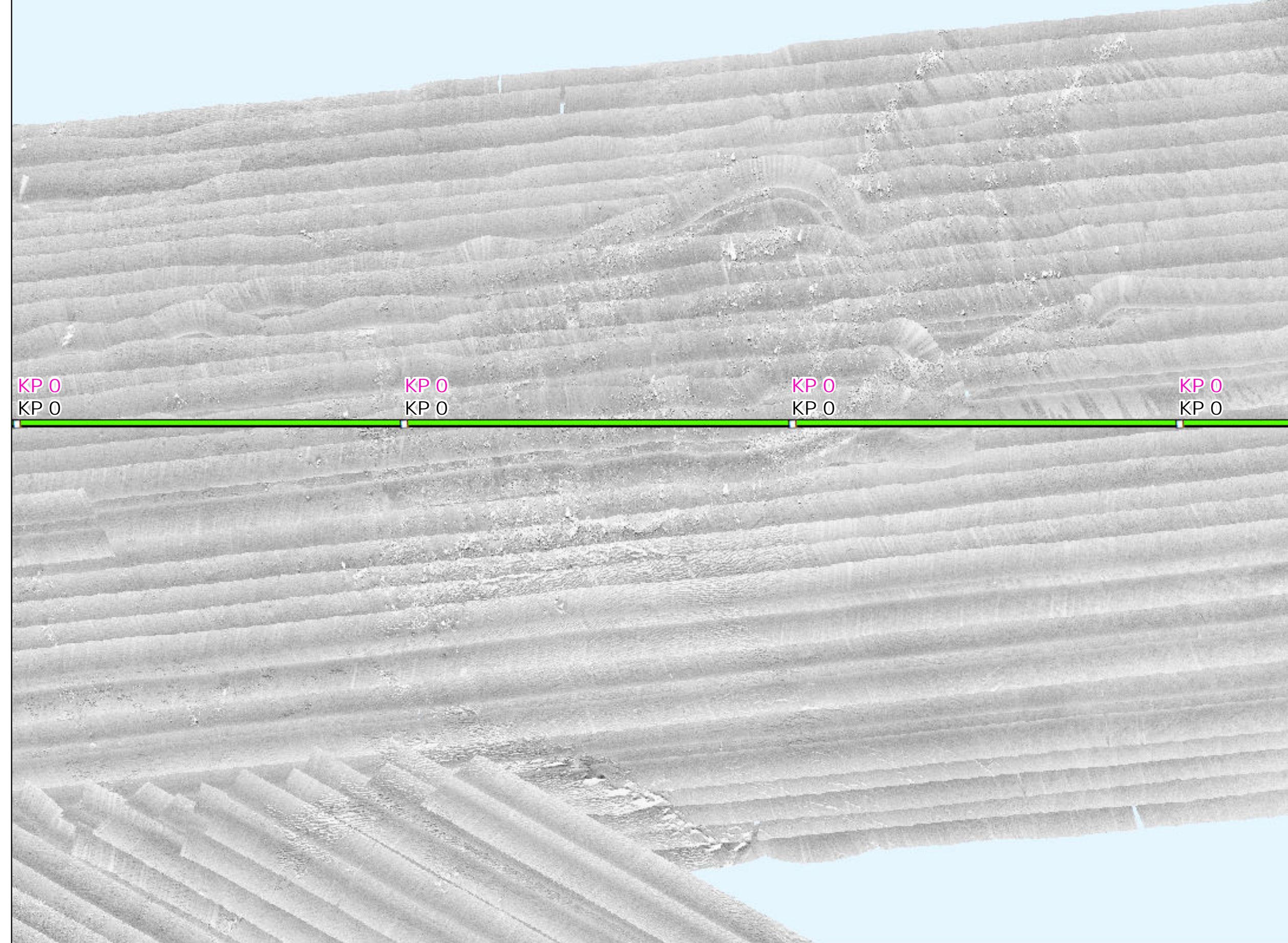
### Map Book Package for Submarine Export Cable Route in State Waters

#### Tile 125

BW1 (NY) - N/A  
 BW2 (NY) - N/A  
 BW2 (CT) - KP 4.5 - KP 6

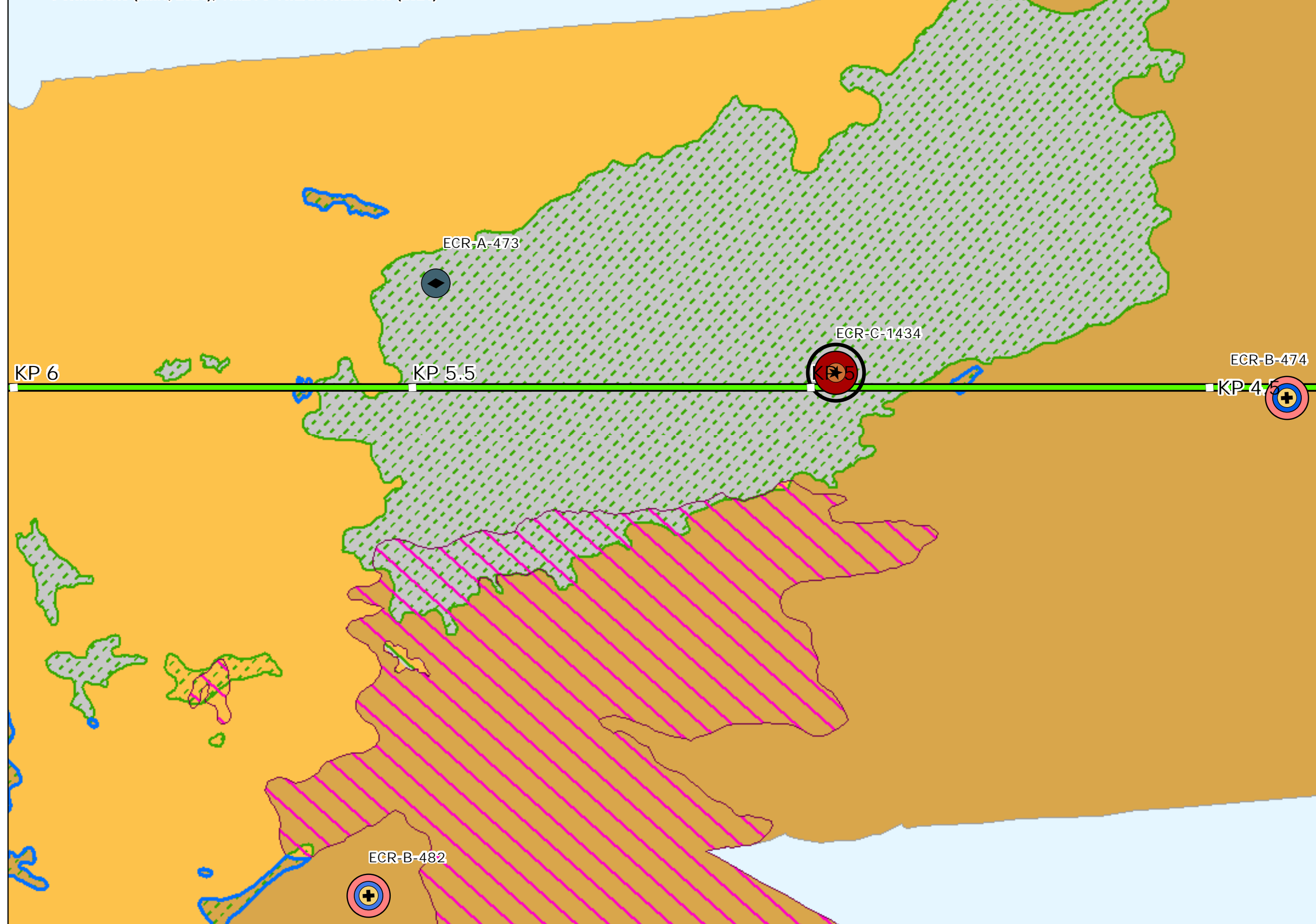
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

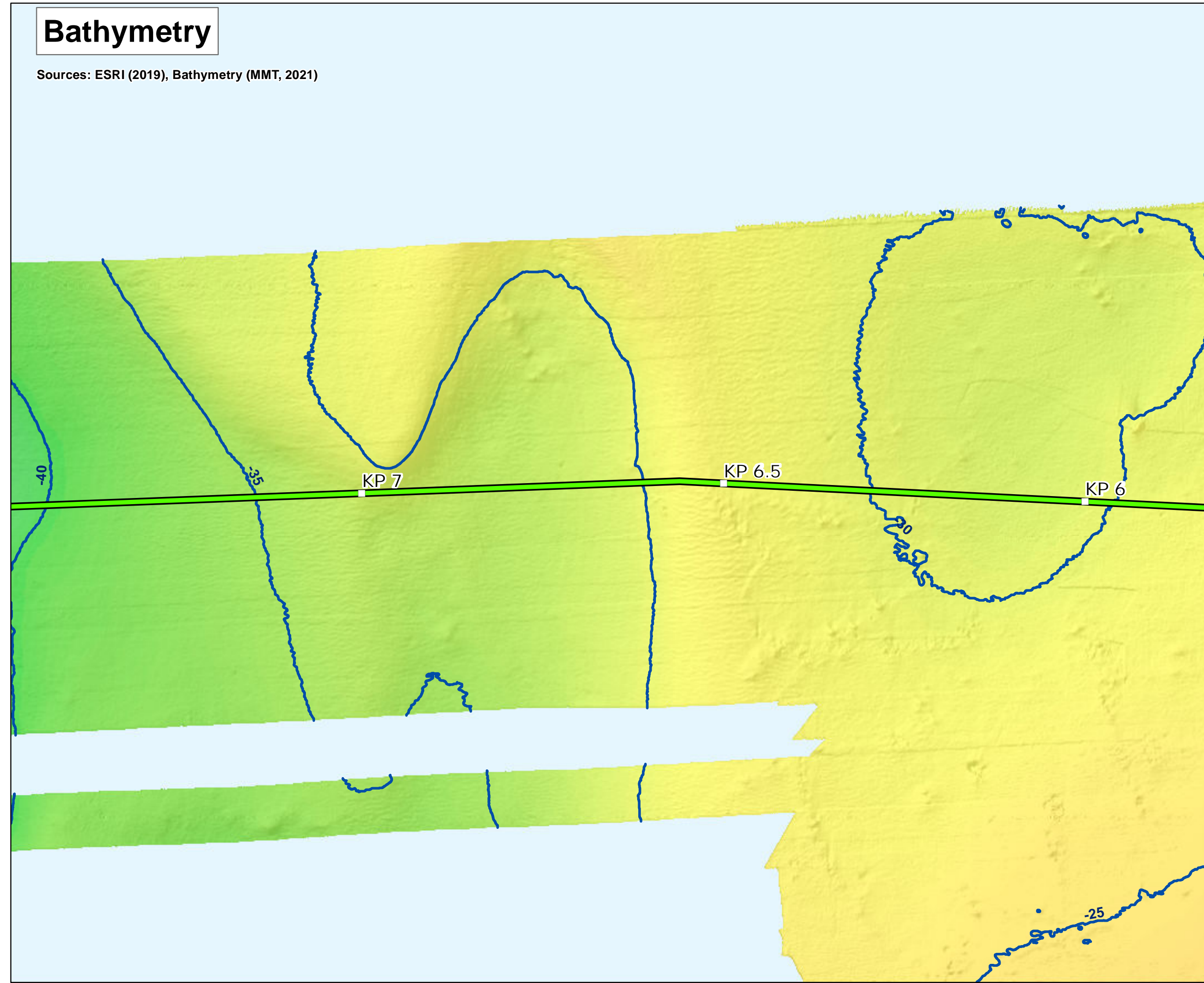
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)





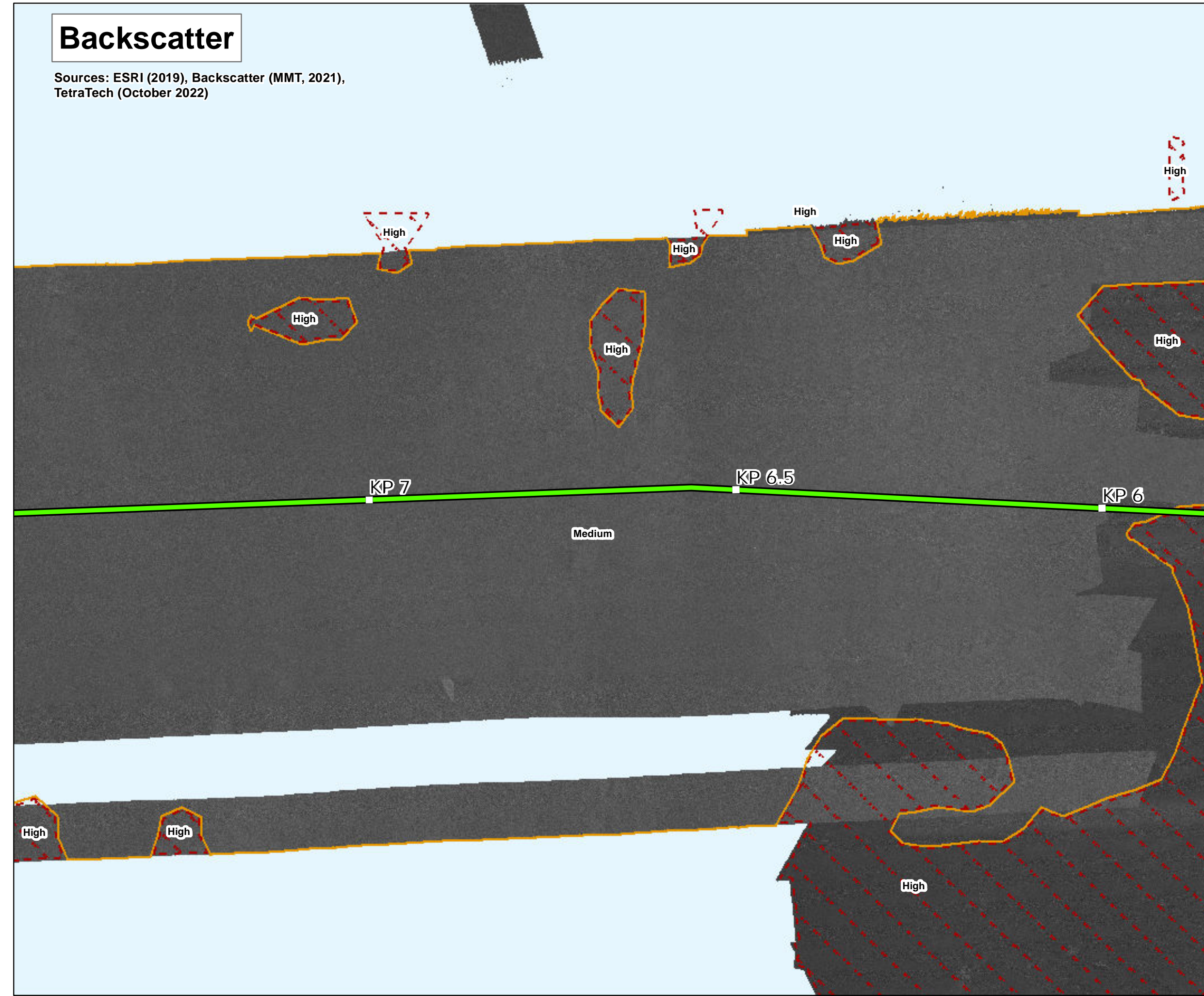
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



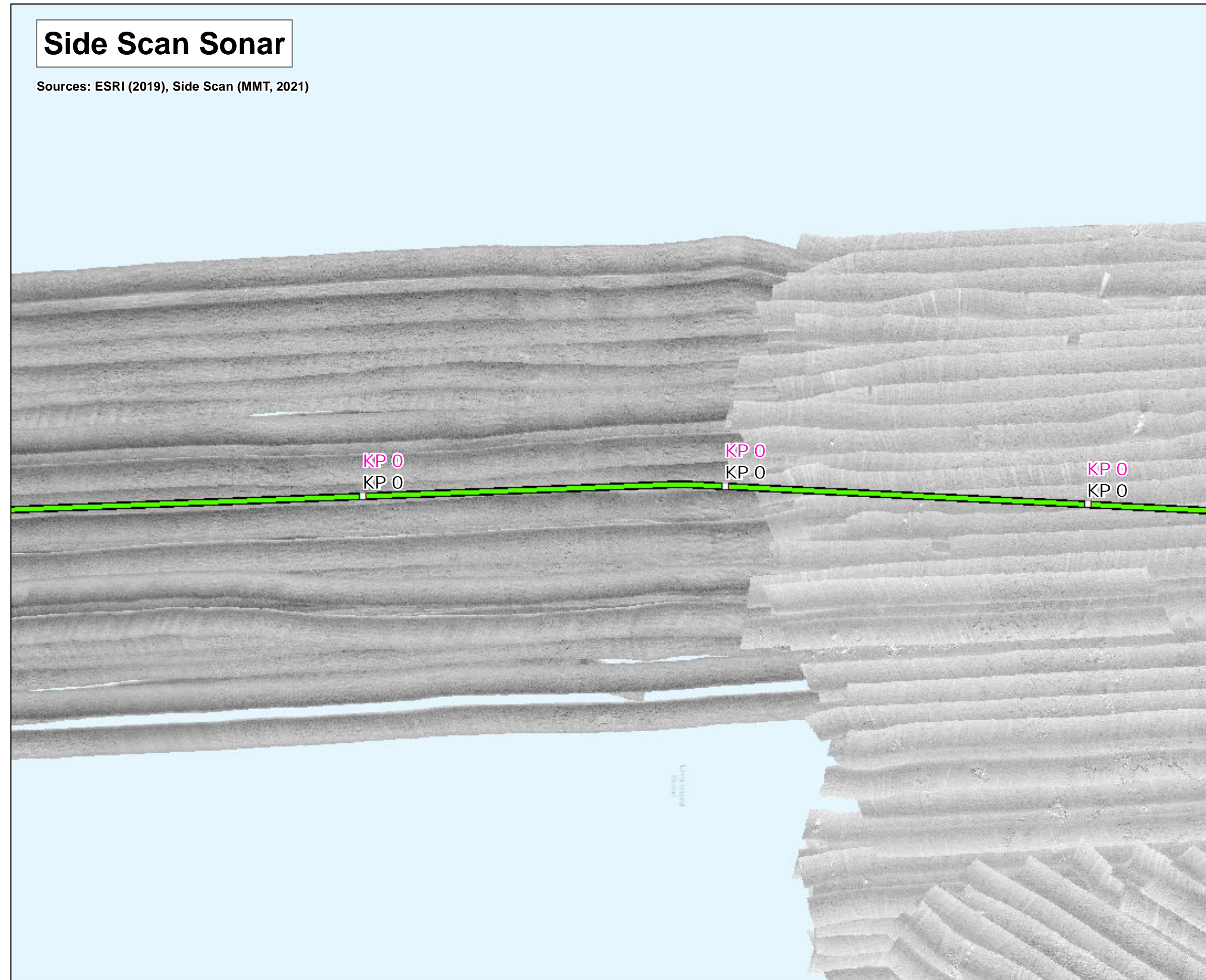
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



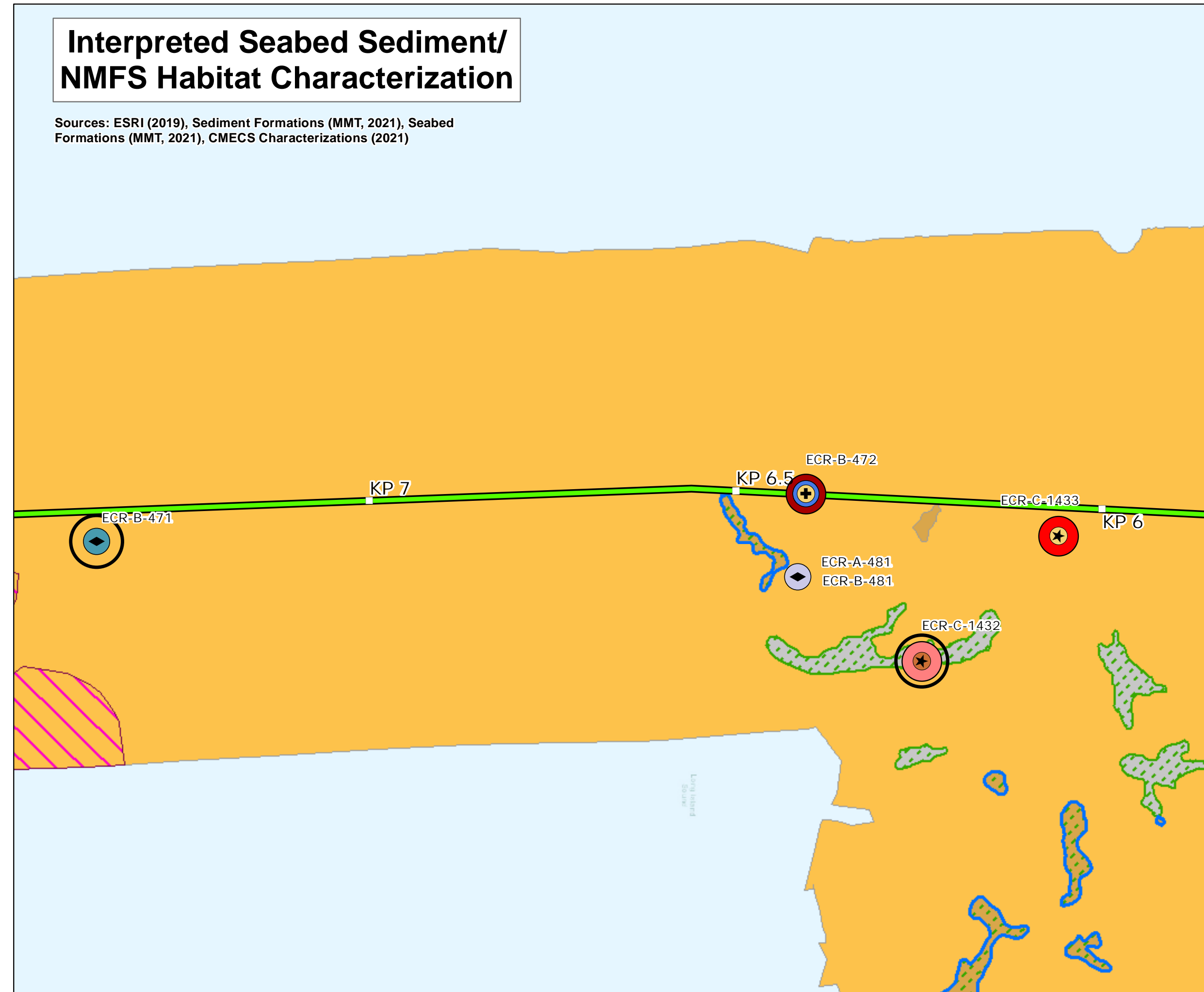
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

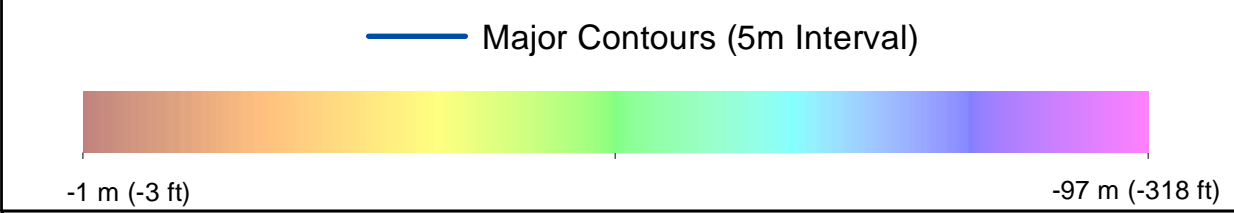


### Map Book Package for Submarine Export Cable Route in State Waters

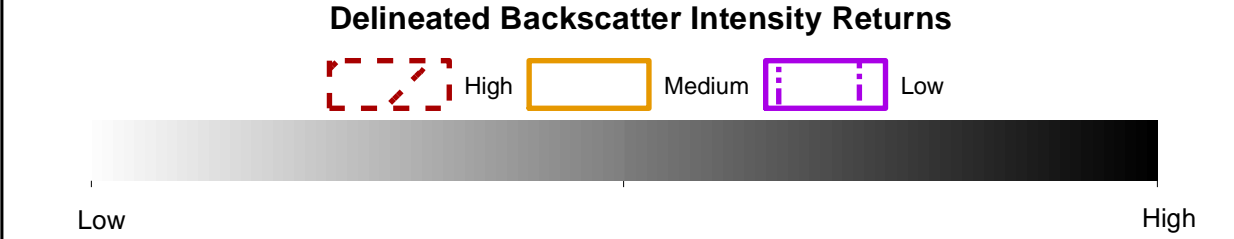


- BW2 CT
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar



#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

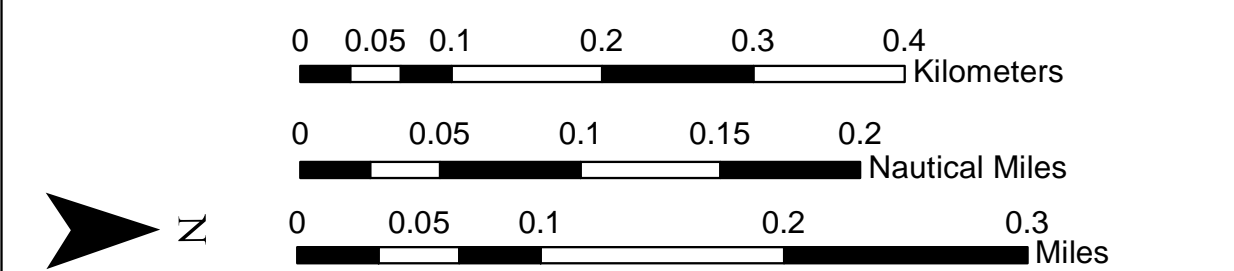
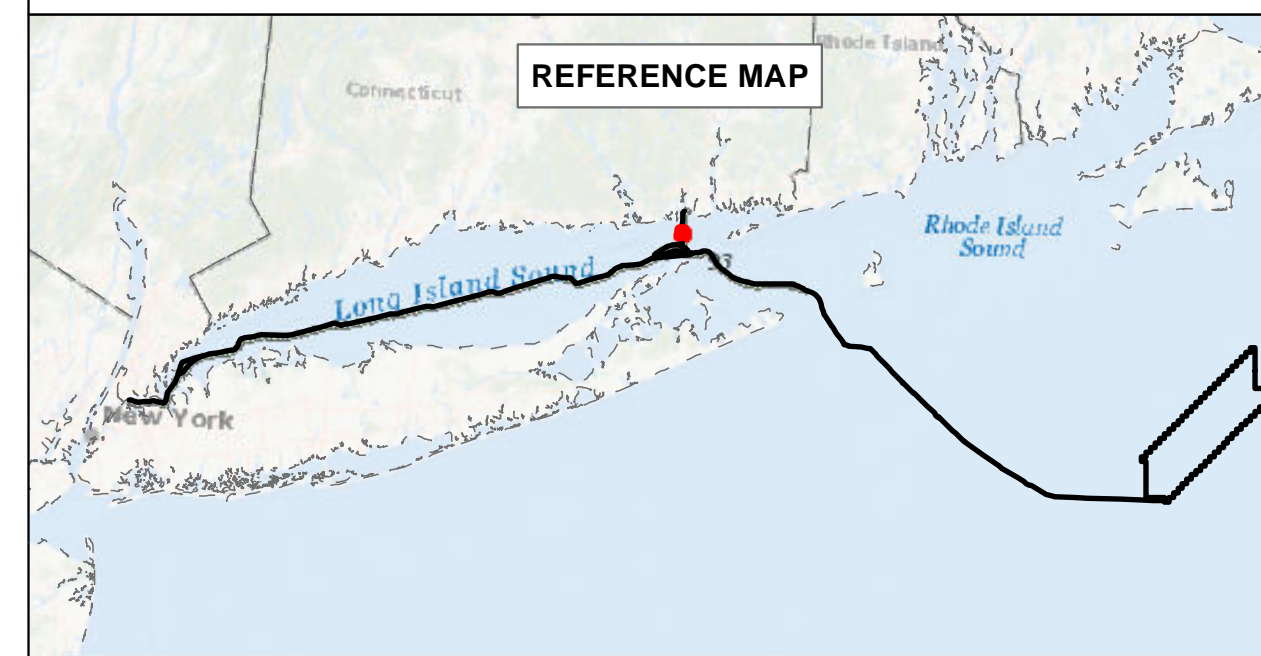
- |  |  |  |
|--|--|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video           | ● Burrows/Bioturbation<br>● Flat<br>○ Northern Star Coral  | ■ Till/Complex Habitat<br>■ Numerous Boulders/Large Grained Complex Habitat<br>■ Heterogeneous Complex Habitat |
| <b>CMECS Biotic</b><br>● Large Macrofauna<br>● Soft Sediment Fauna       | ● Sand Ripples<br>● Sand and Muddy Sand/Soft Bottom Habitat<br>● Mixed Sediment/Complex Habitat                            |  |
| <b>CMECS Substrate</b><br>● Gravel Mix<br>● Shell Hash<br>● Shell Rubble | <b>Benthic Features</b><br>● Sand Ripples<br>● Sand and Muddy Sand/Soft Bottom Habitat<br>● Mixed Sediment/Complex Habitat |  |
| <b>CMECS Geofom</b><br>● Boulder Field                                   |  |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



### BEACON WIND LEASE AREA OCS-A 0520

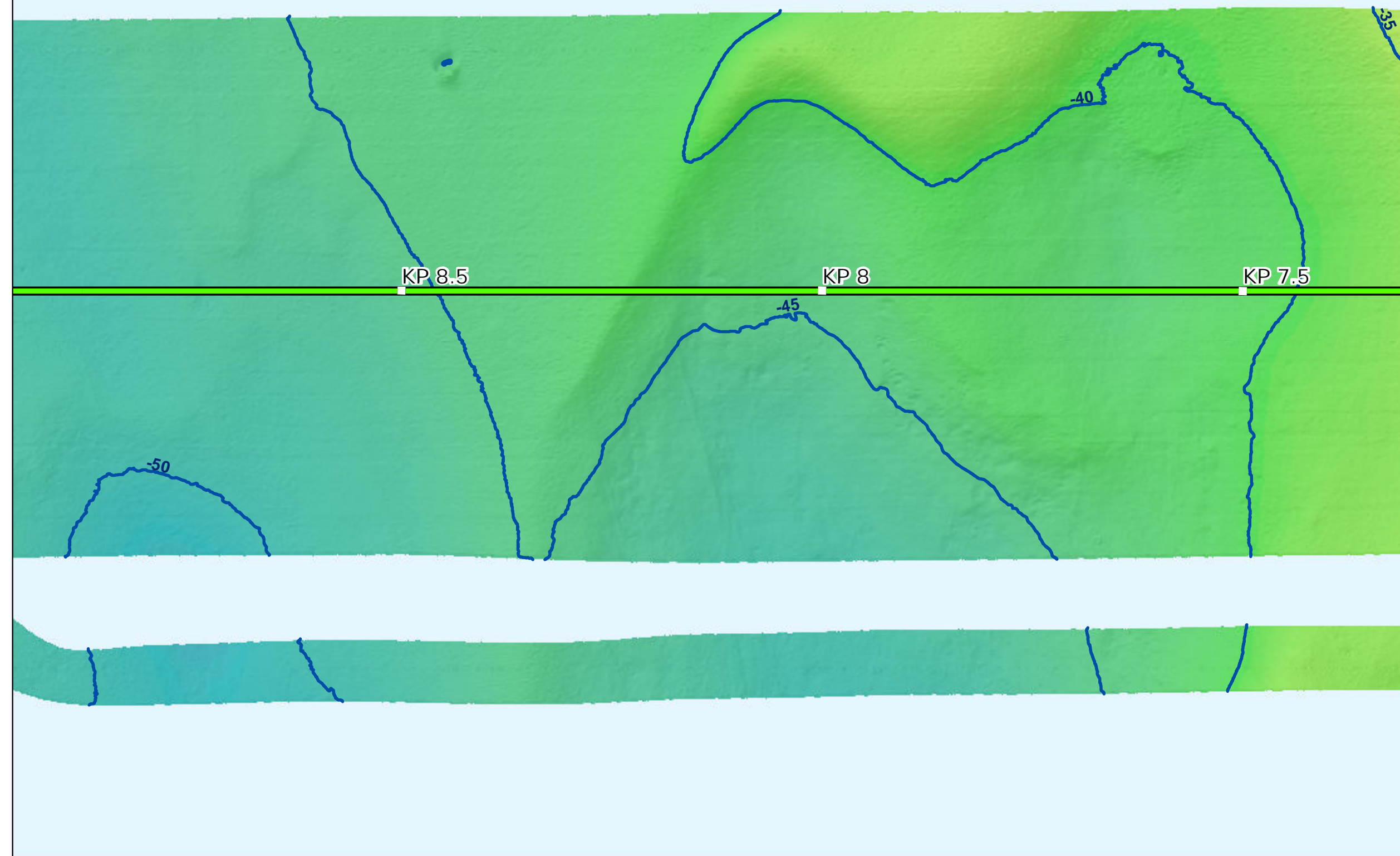
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 126

BW1 (NY) - N/A  
 BW2 (NY) - N/A  
 BW2 (CT) - KP 6 - KP 7



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



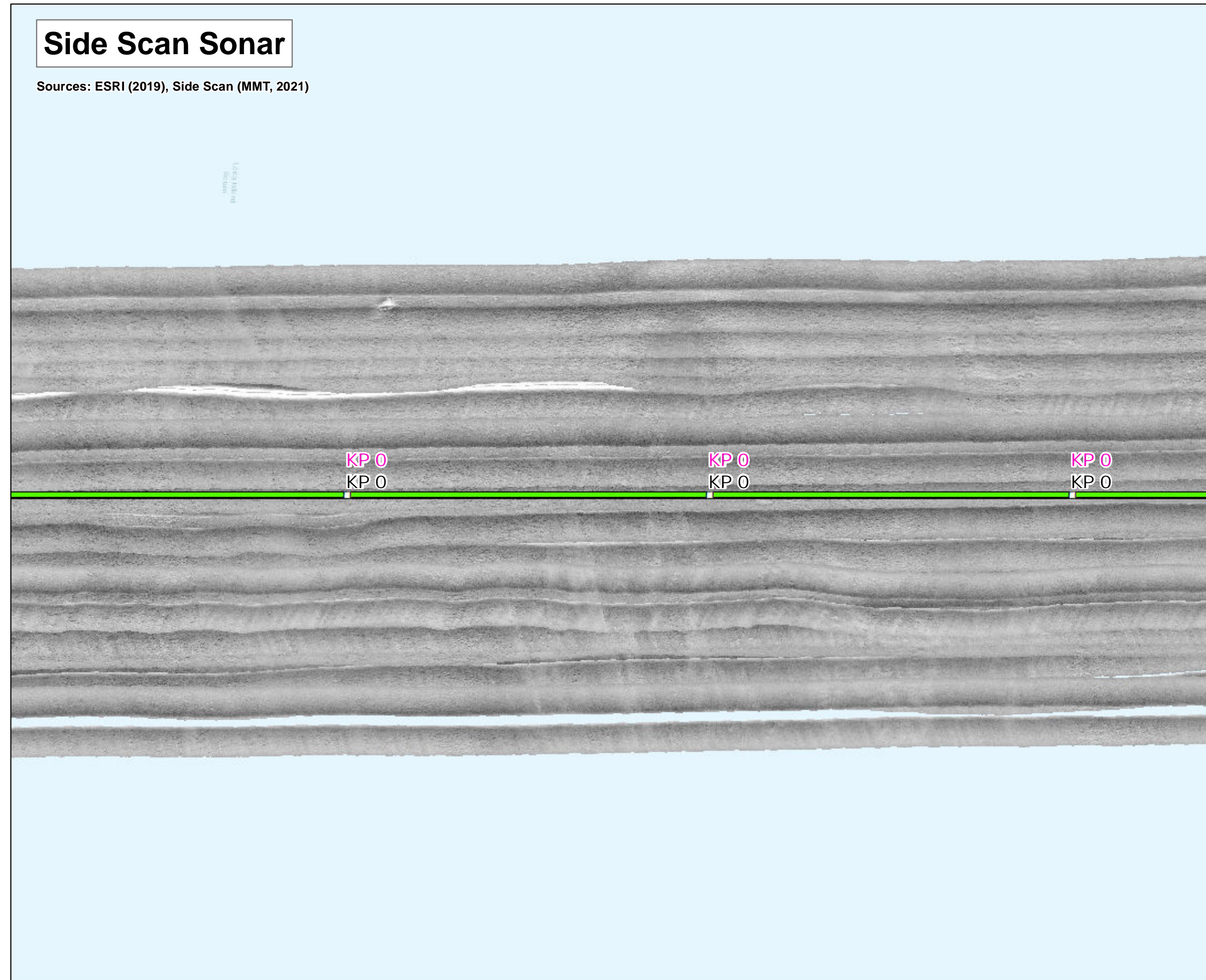
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



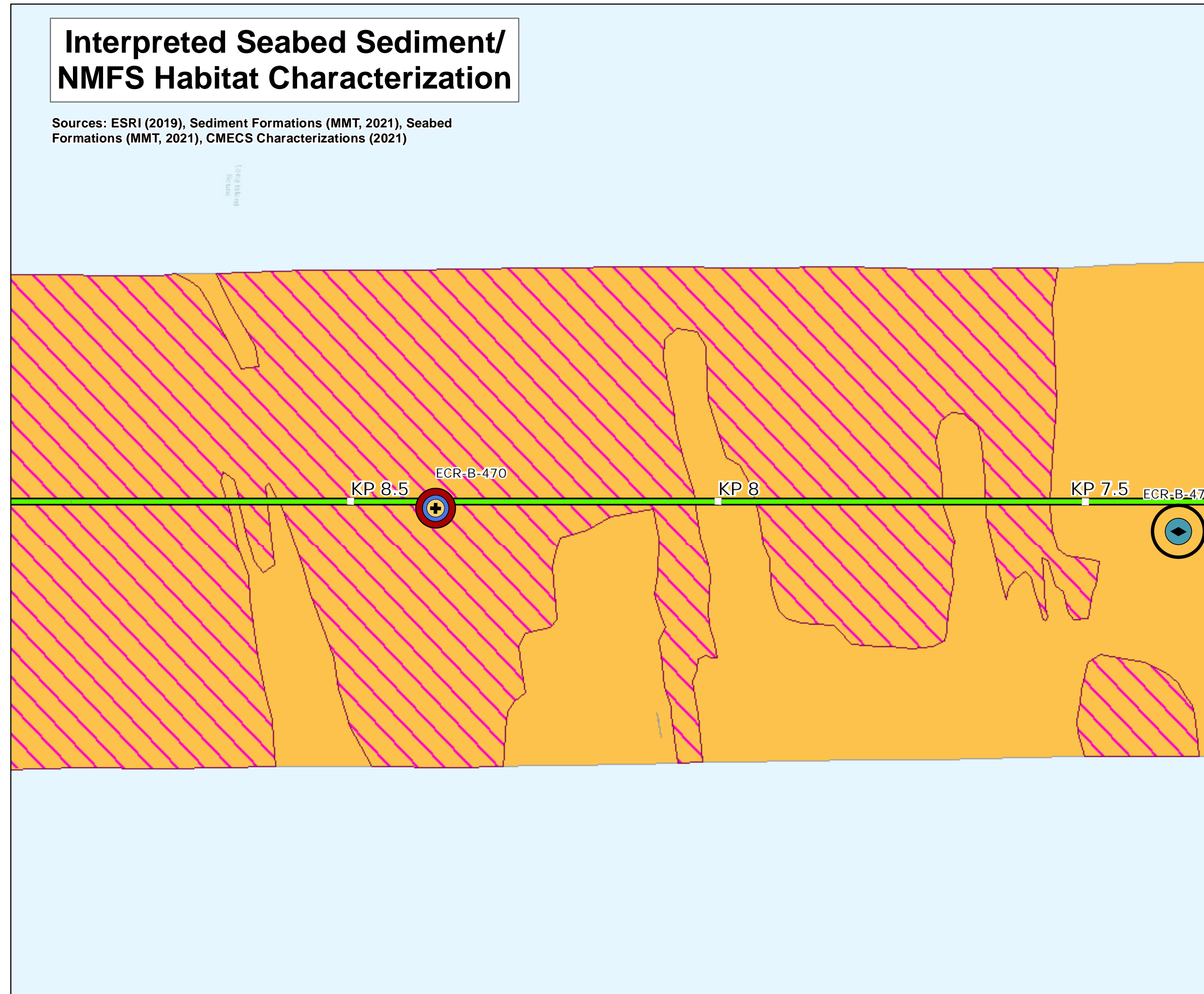
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

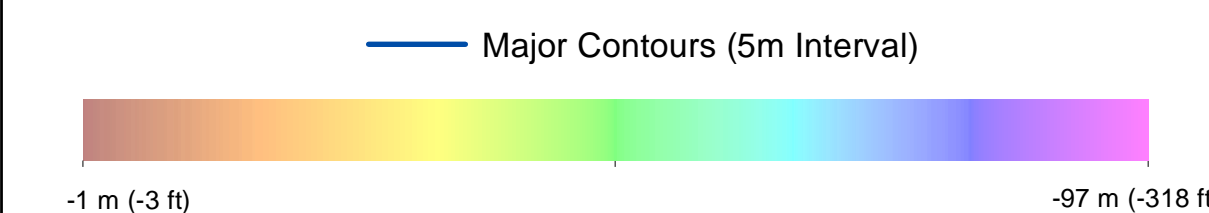


### Map Book Package for Submarine Export Cable Route in State Waters

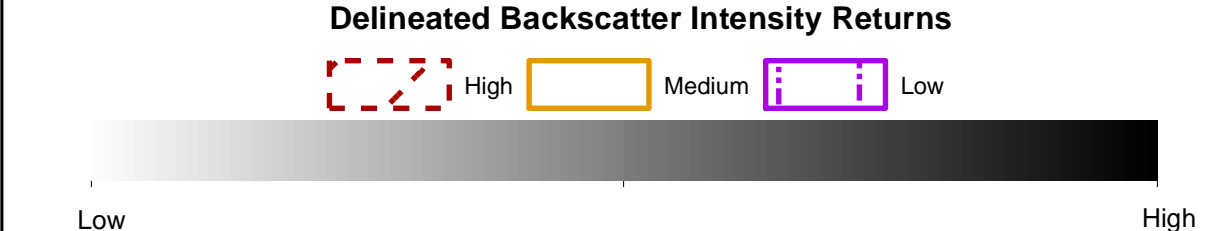


- BW2 CT
- BW2 Submarine Export Cable Route (v13)

#### Bathymetry (MLLW)



#### Backscatter



#### Side Scan Sonar

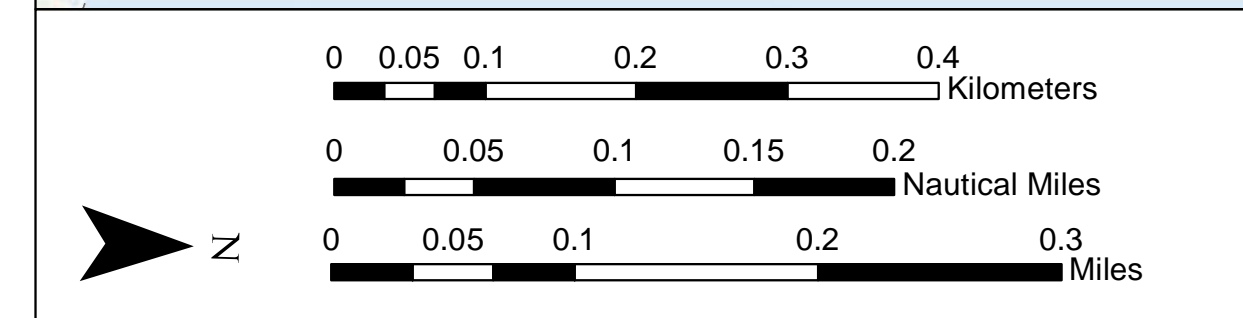
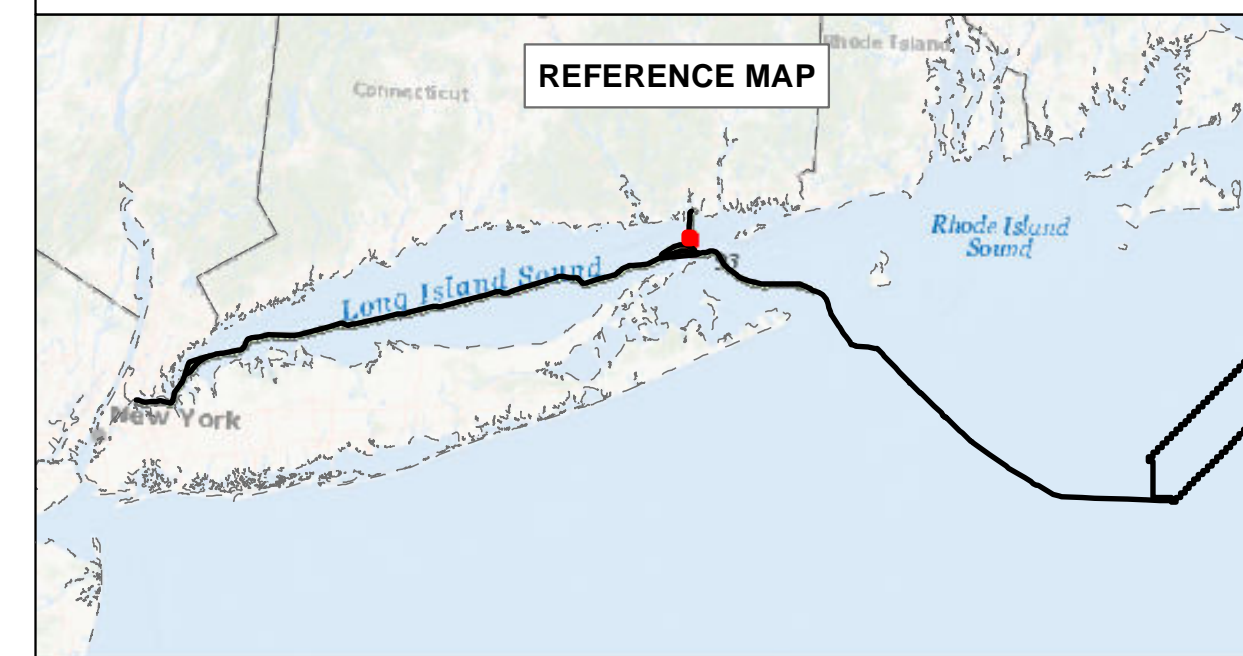


#### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- |  |  |
|--|--|
| <b>Station Type</b><br><ul style="list-style-type: none"> <li>Grab and Video</li> <li>SPI/PV</li> </ul>      | <b>Benthic Features</b><br><ul style="list-style-type: none"> <li>Sand Ripples</li> </ul>  |
| <b>CMECS Biotic</b><br><ul style="list-style-type: none"> <li>Soft Sediment Fauna</li> </ul>                 | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br><ul style="list-style-type: none"> <li>Mixed Sediment/Complex Habitat</li> </ul> |
| <b>CMECS Substrate</b><br><ul style="list-style-type: none"> <li>Gravel Mix</li> <li>Shell Hash</li> </ul>   |  |
| <b>CMECS Geomorph</b><br><ul style="list-style-type: none"> <li>Flat</li> <li>Northern Star Coral</li> </ul> |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

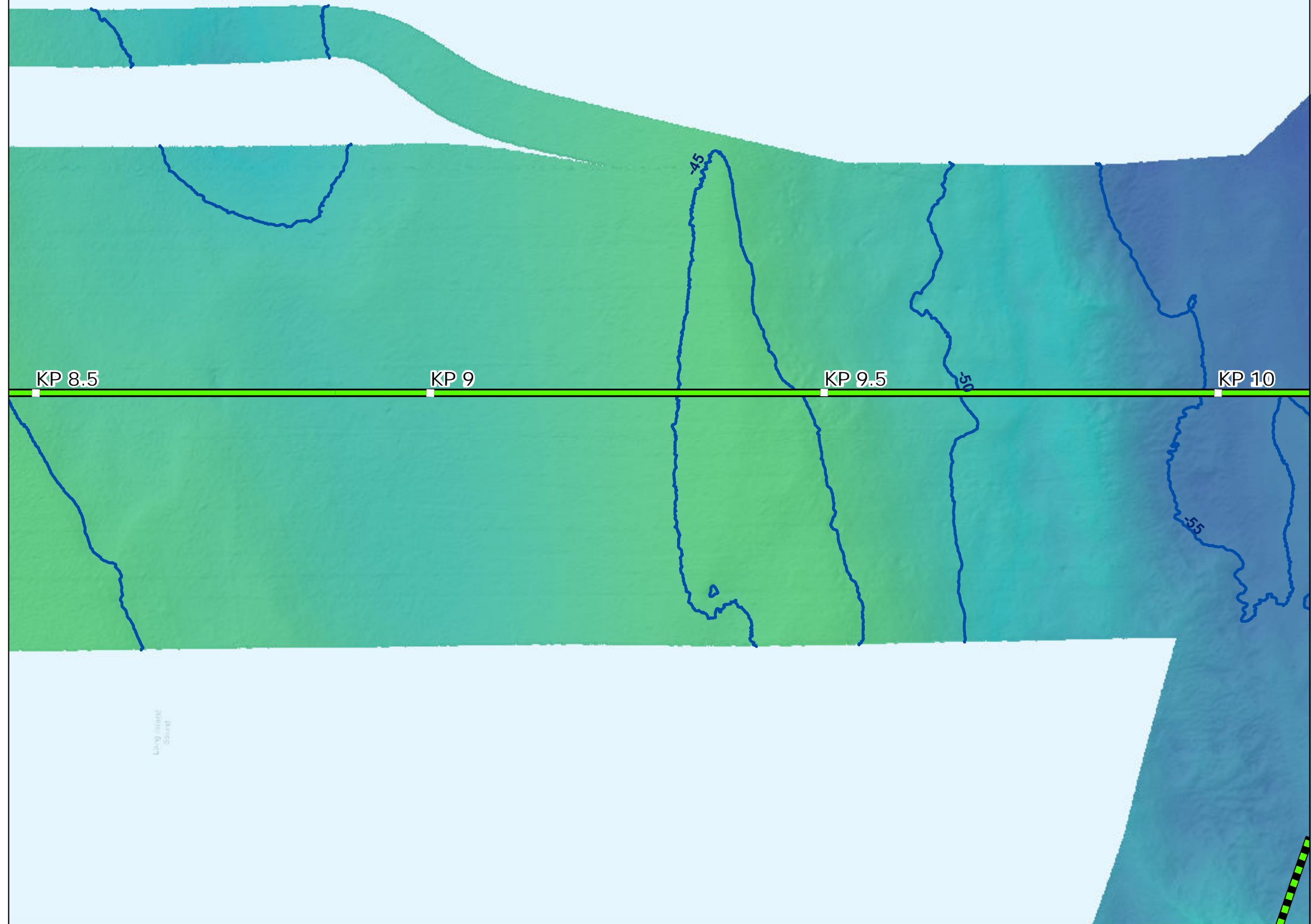


**BEACON WIND LEASE AREA OCS-A 0520**  
 Map Book Package for Submarine Export Cable Route in State Waters  
 Tile 127  
 BW1 (NY) - N/A  
 BW2 (NY) - N/A  
 BW2 (CT) - KP 7.5 - KP 8.5



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



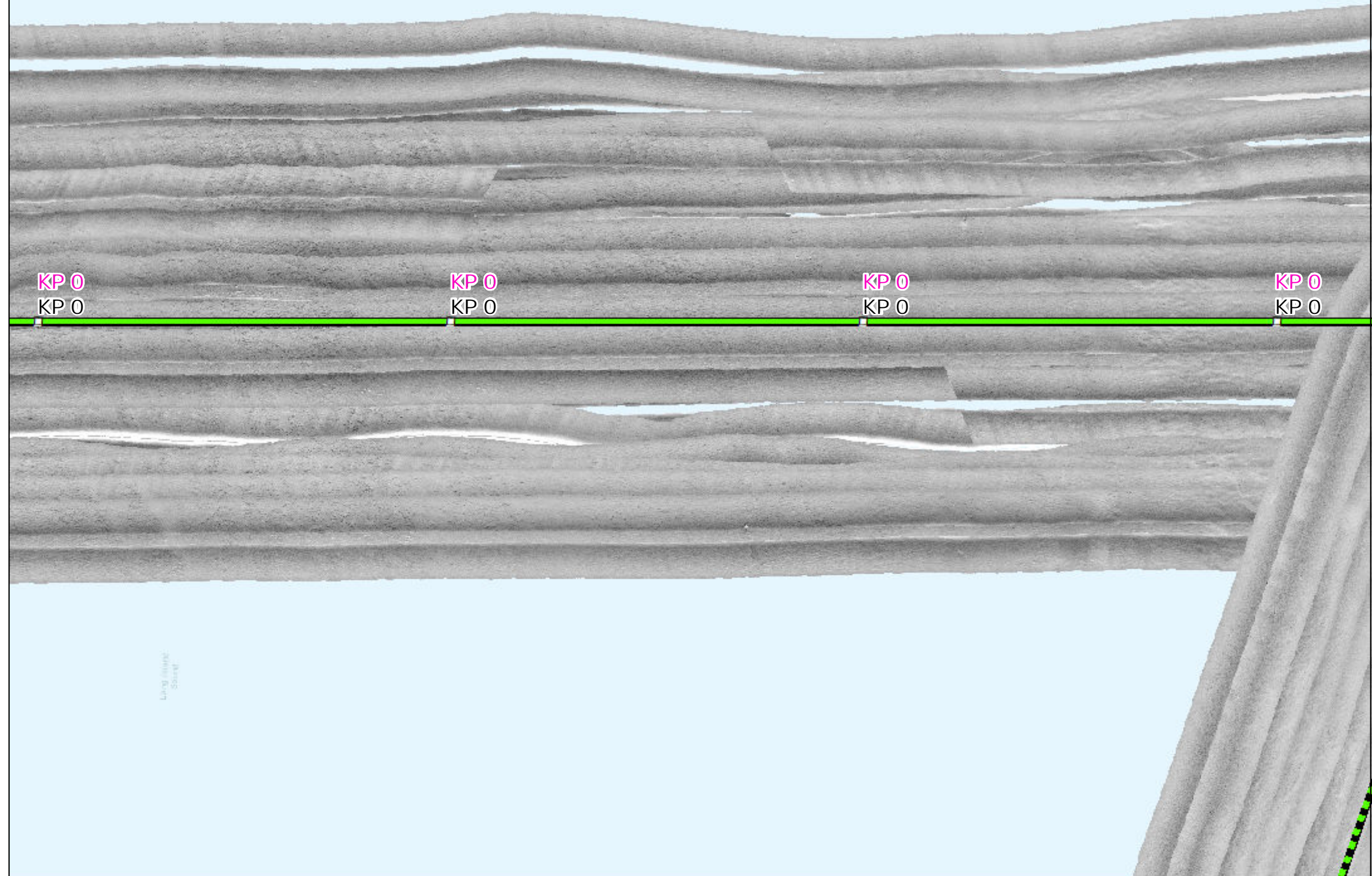
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



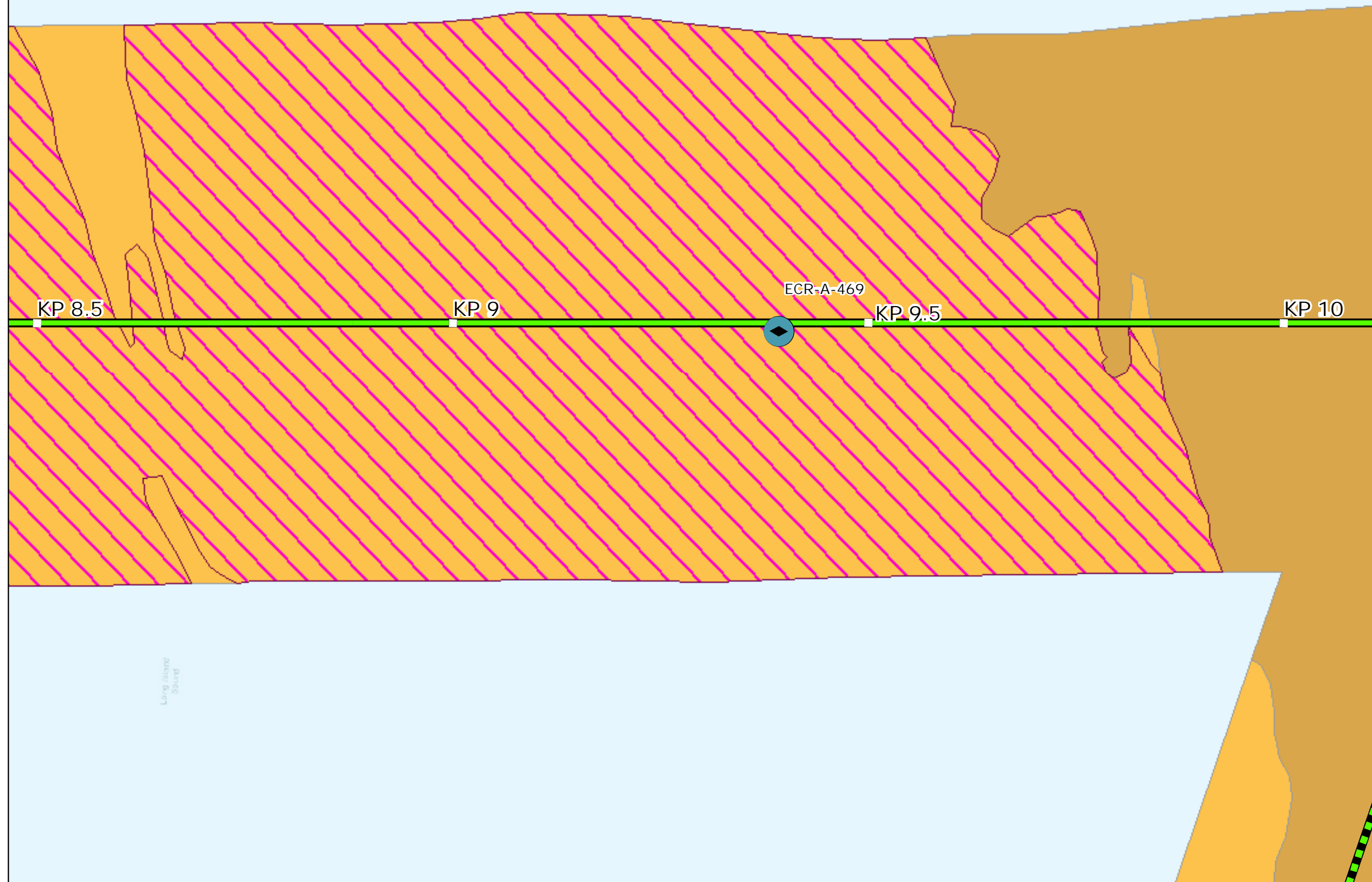
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

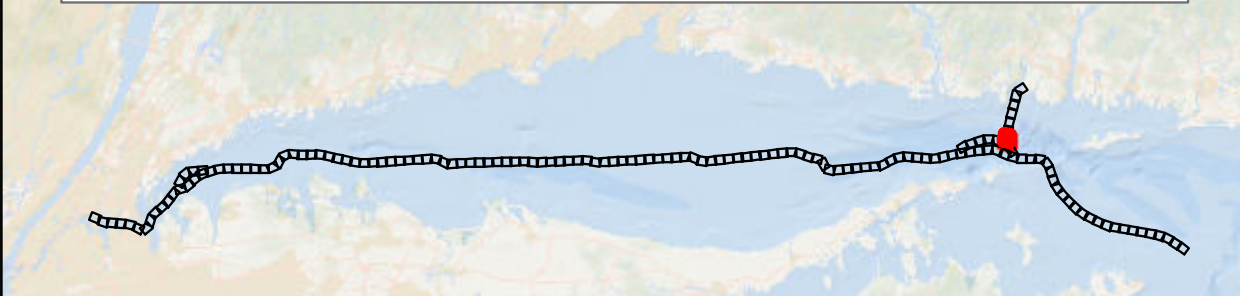


### Interpreted Seabed Sediment/NMFS Habitat Characterization

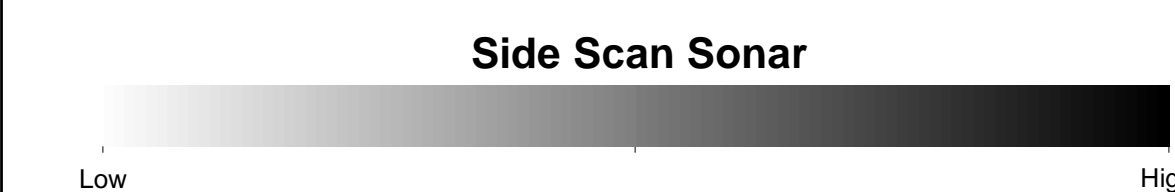
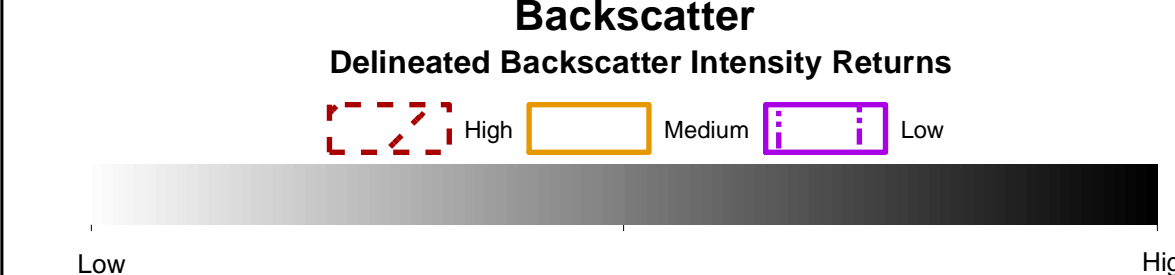
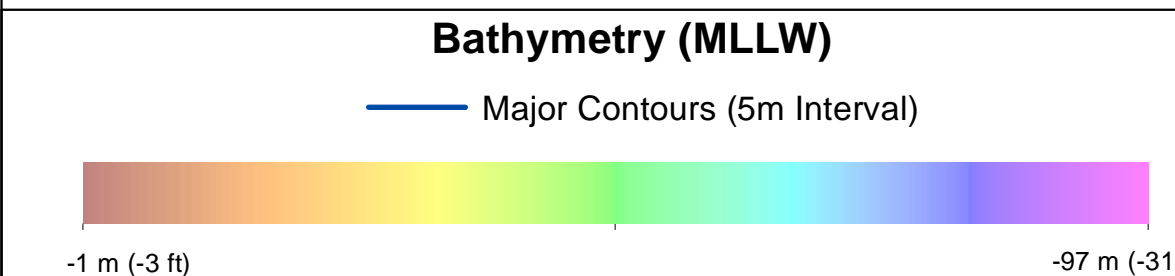
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



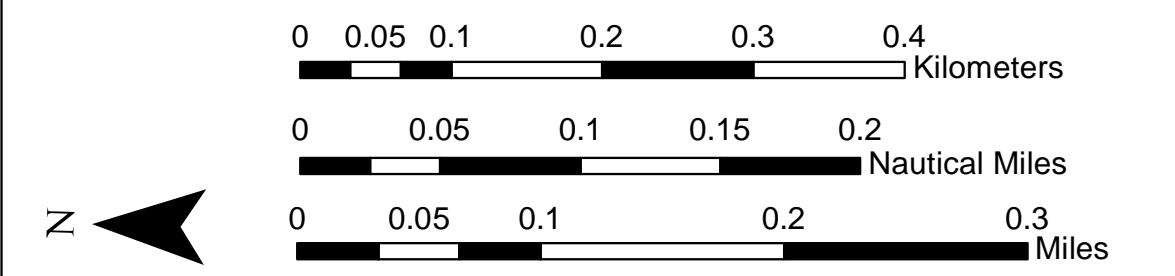
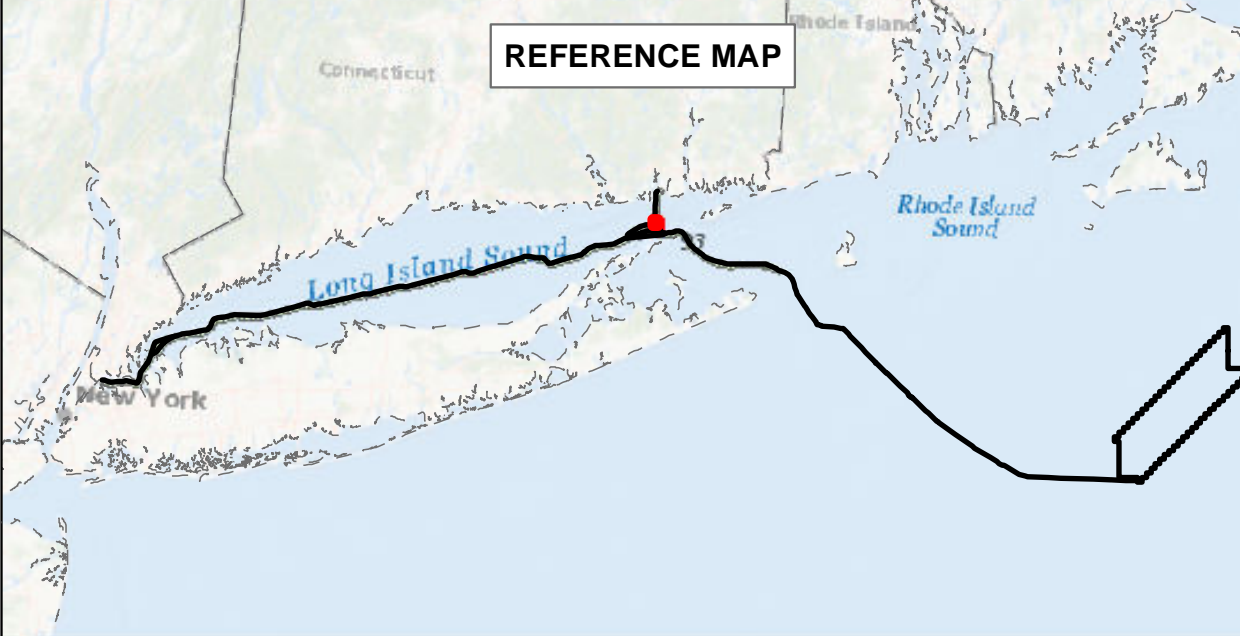
- BW2 CT
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
  - SPI/PV
  - CMECS Substrate**
  - Gravel Mix
  - Benthic Features**
  - Sand Ripples
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
  - Sand and Muddy Sand/Soft Bottom Habitat
  - Mixed Sediment/Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

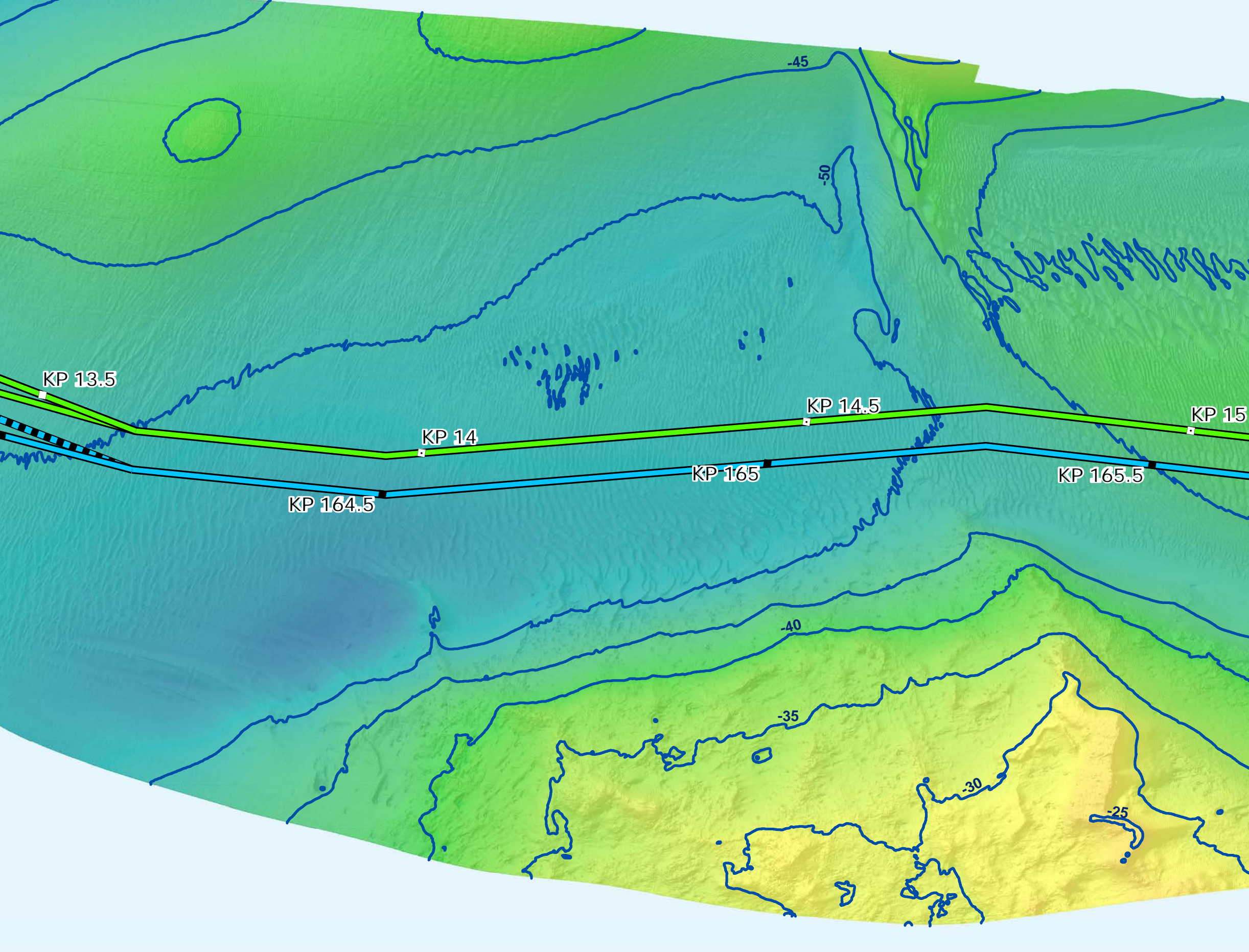
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 128

BW1 (NY) - N/A  
BW2 (NY) - N/A  
BW2 (CT) - KP 8.5 - KP 10



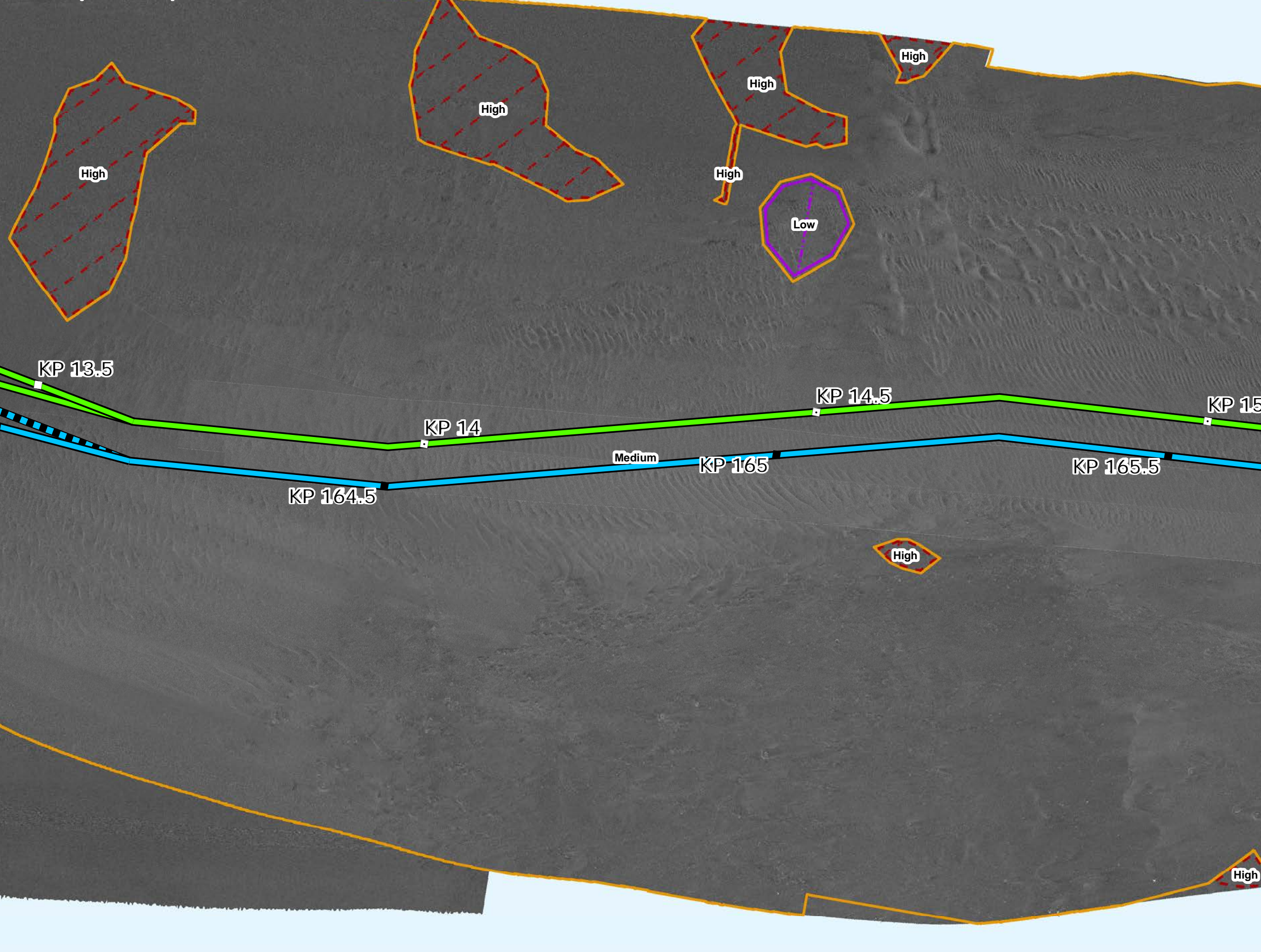
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



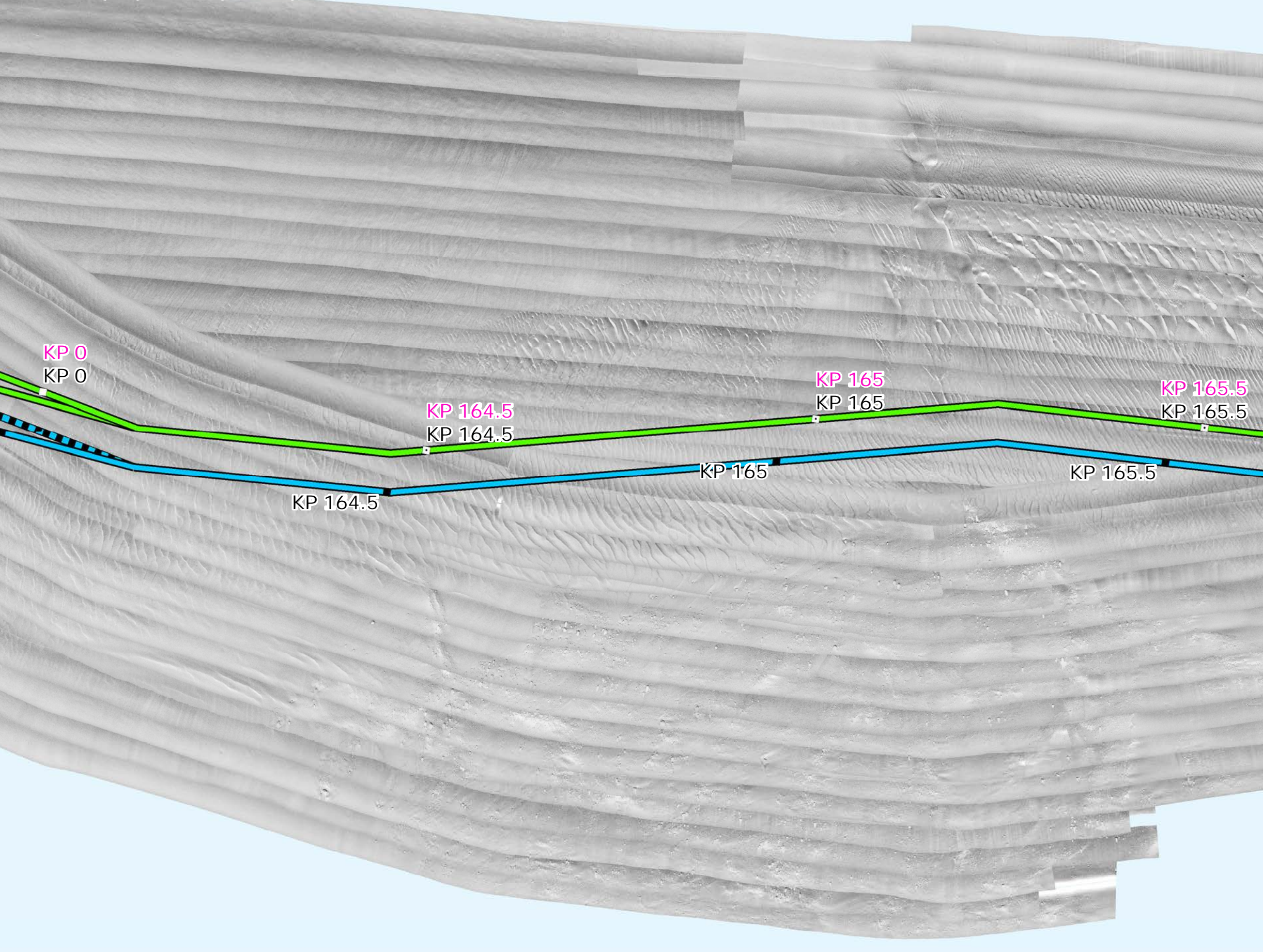
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



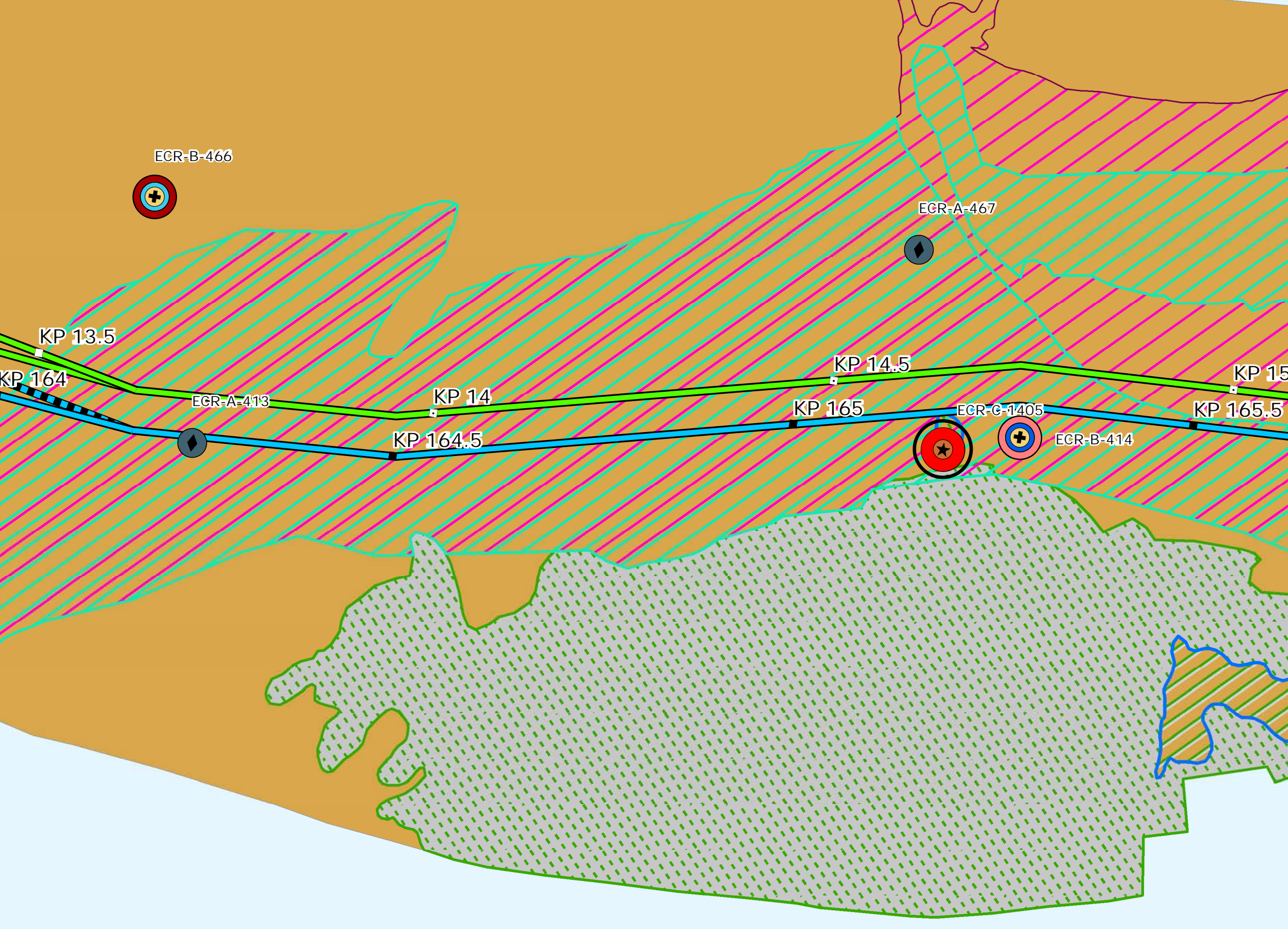
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

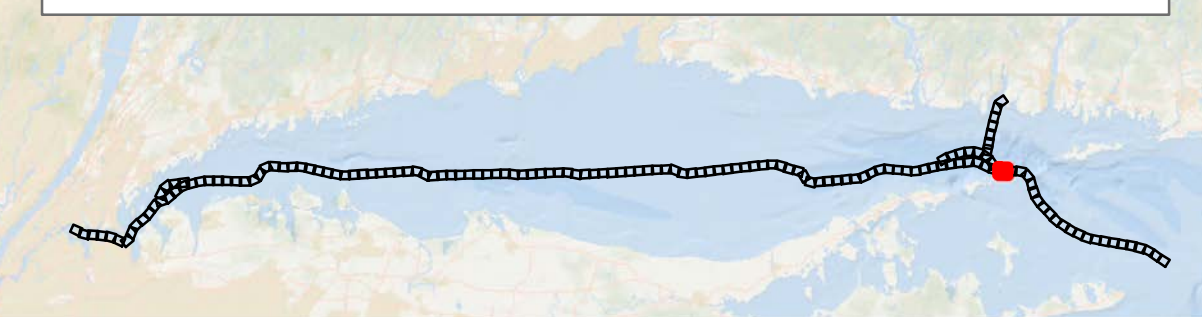


### Interpreted Seabed Sediment/NMFS Habitat Characterization

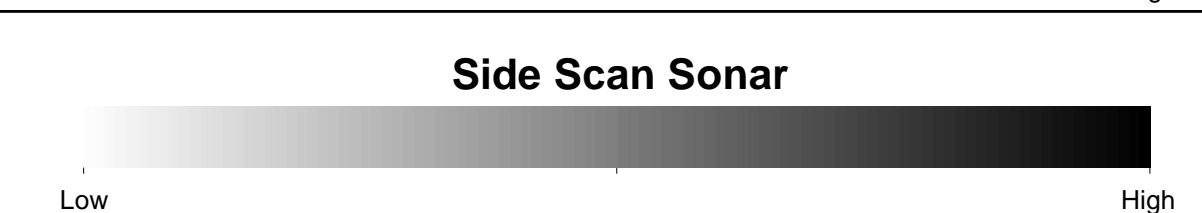
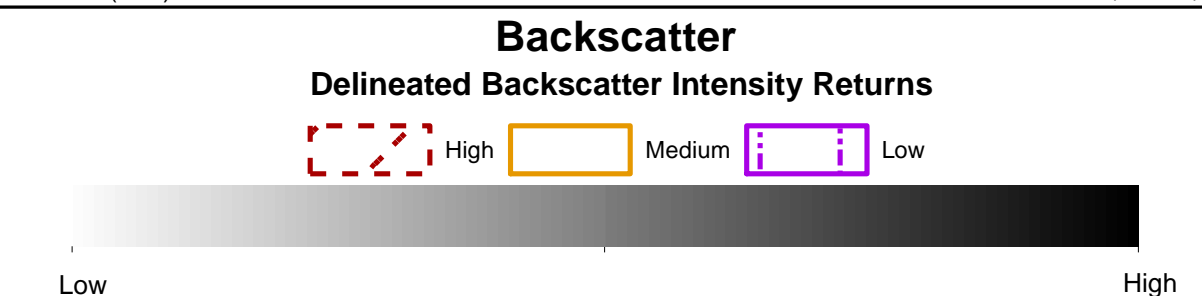
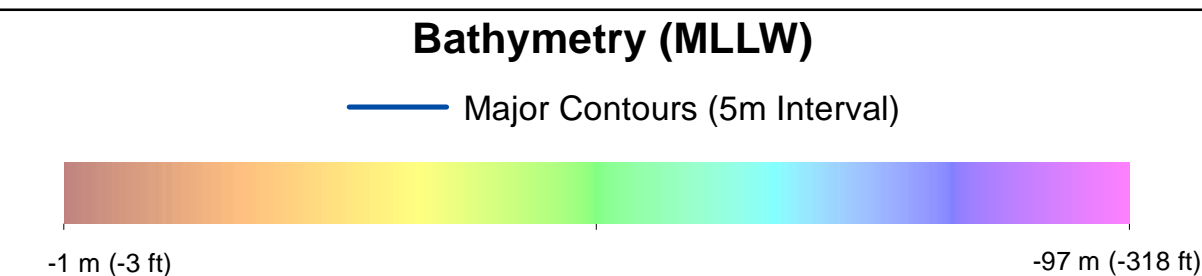
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters

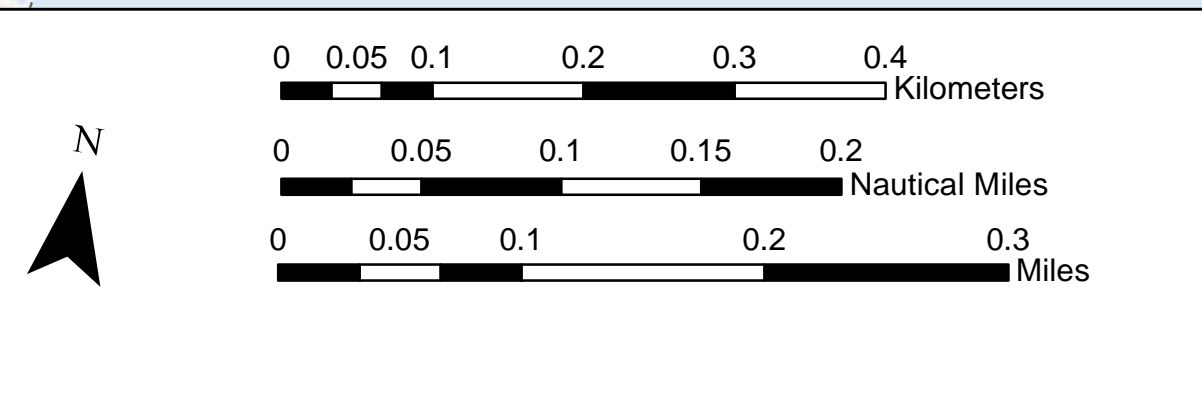
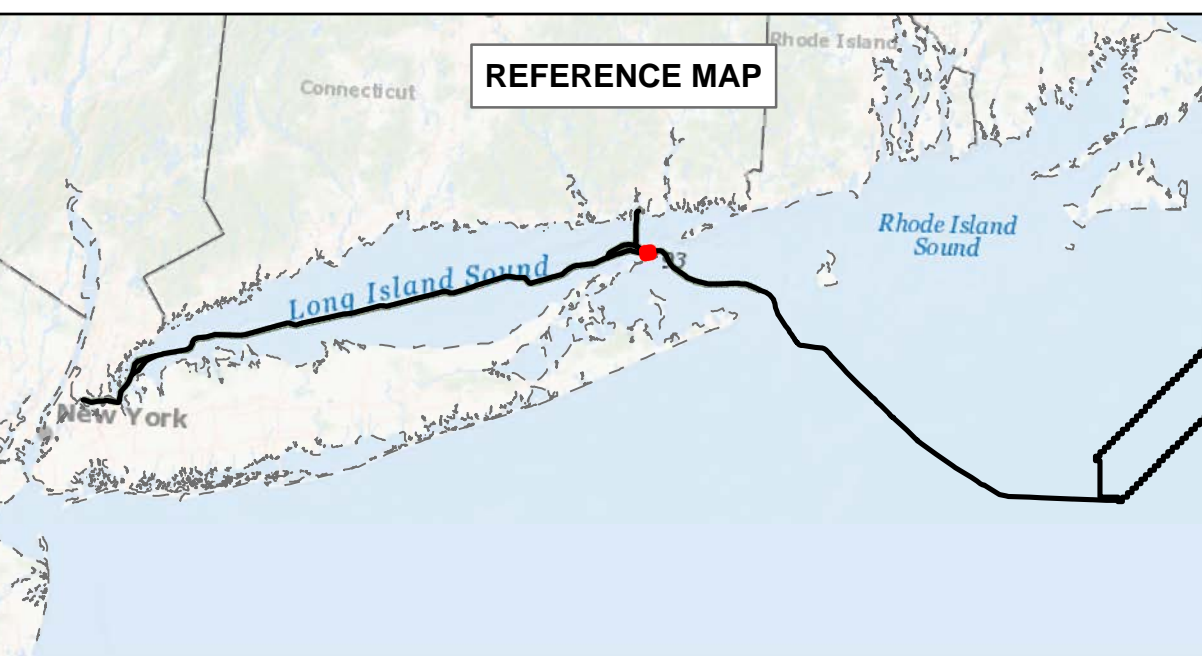


- BW1 KPs
- BW2 CT
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route - Variant (v13)
- BW2 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route - Variant (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |  |   |   |
|--|---|---|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br>★ Video                               | ● Burrows/Bioturbation<br>● Flat<br>○ Northern Star Coral | ■ Numerous Boulders/Large Grained Complex Habitat<br>■ Occasional Boulders/Large Grained Complex Habitat<br>■ Heterogeneous Complex Habitat |
| <b>CMECS Biotic</b><br>● Large Macrofauna<br>● Soft Sediment Fauna                           | ● Benthic Features<br>■ Megaripples<br>■ Sand Ripples     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>■ Sand and Muddy Sand/Soft Bottom Habitat<br>■ Till/Complex Habitat     |
| <b>CMECS Substrate</b><br>● Gravelly Muddy Sand<br>● Muddy Sand<br>● Sand<br>● Boulder Field |   |   |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 5/22/2023  
Scale: 1:5000

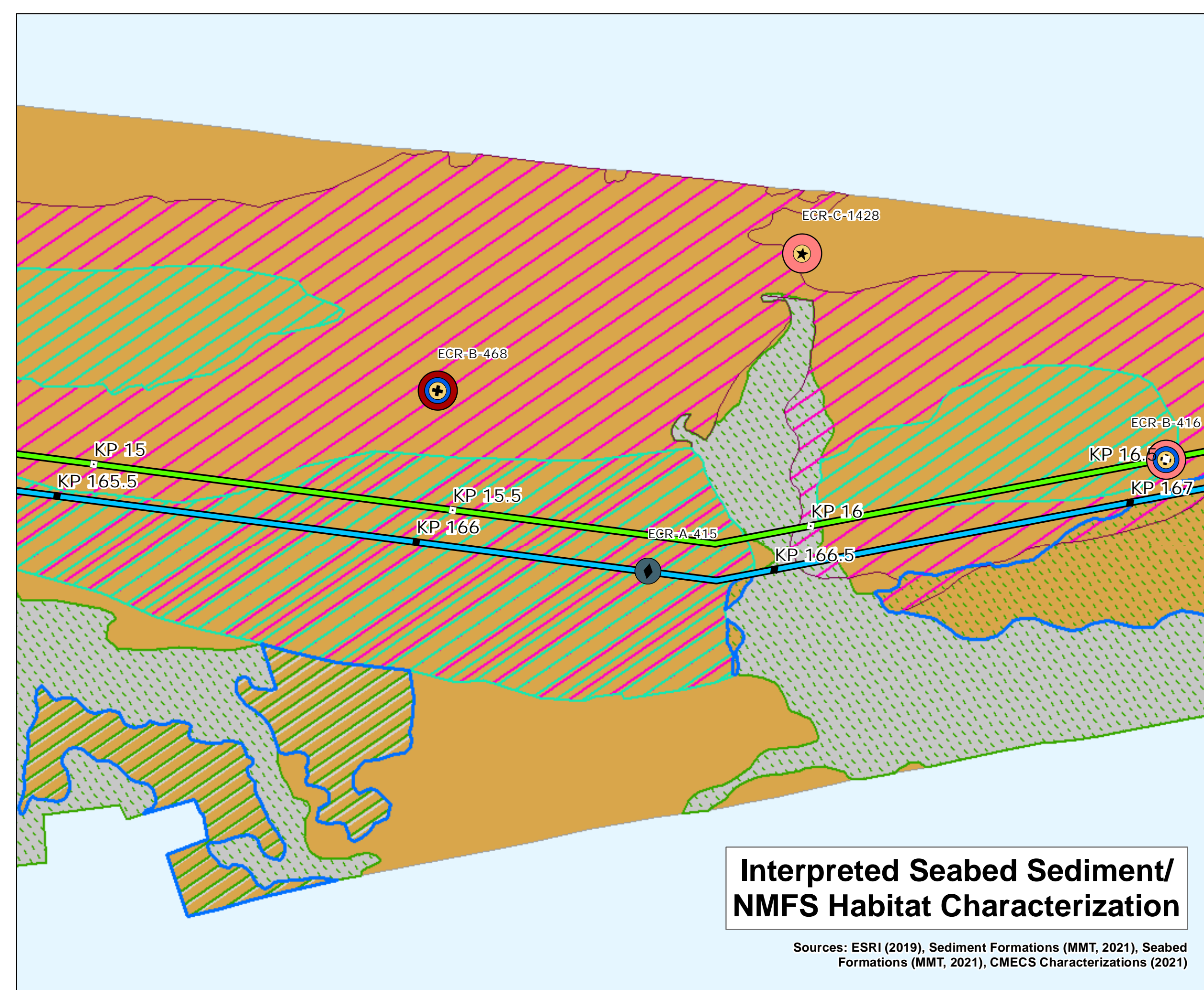
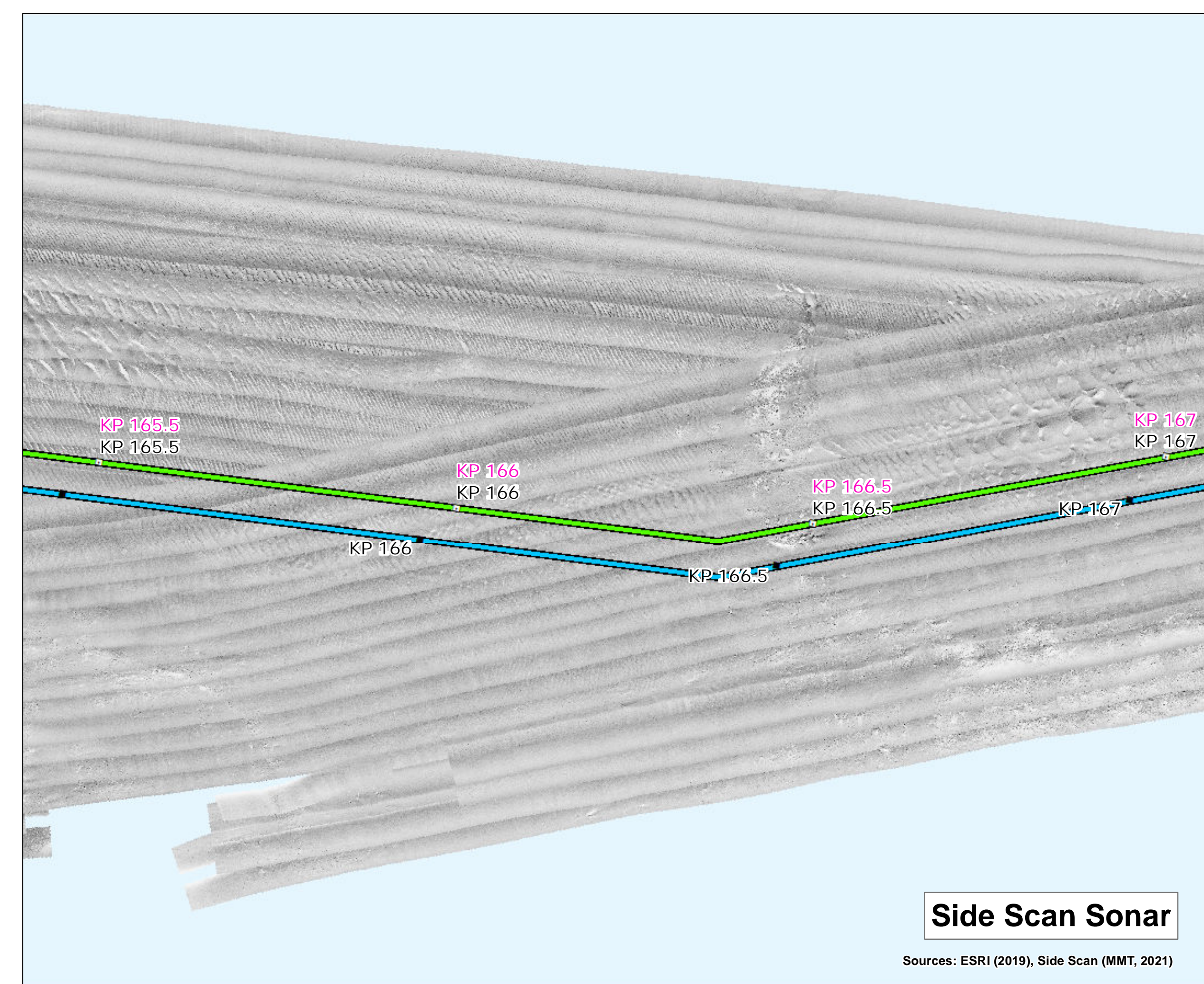
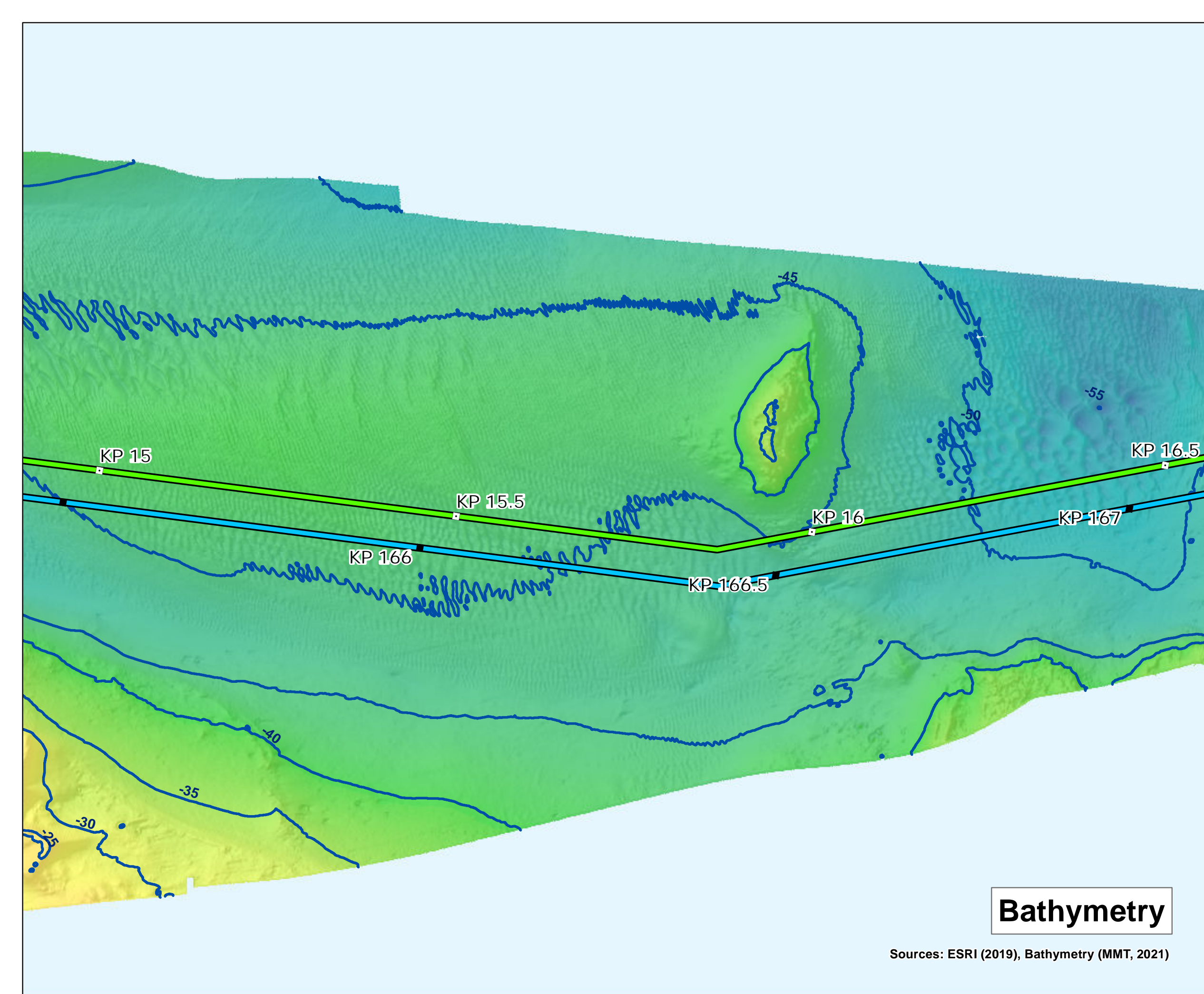


### BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 129

BW1 (NY) - KP 164.5 - KP 165.5  
 BW2 (NY) - KP 164.5 - KP 165.5  
 BW2 (CT) - KP 13.5 - KP 15





**Map Book Package for Submarine Export Cable Route in State Waters**

Legend:

- BW1 KPs
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

**Bathymetry (MLLW)**

Major Contours (5m Interval)

-1 m (-3 ft) to -97 m (-318 ft)

**Backscatter**

Delineated Backscatter Intensity Returns

High, Medium, Low

**Side Scan Sonar**

Low to High

**Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**

<b>Station Type</b>	<b>Benthic Features</b>
✦ Grab and Video	▨ Megaripples
◆ SPI/PV	▨ Sand Ripples
★ Video	
<b>CMECS Biotic</b>	<b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b>
● Soft Sediment Fauna	■ Sand and Muddy Sand/Soft Bottom Habitat
<b>CMECS Substrate</b>	■ Muddy Sand
● Muddy Sand	■ Till/Complex Habitat
● Sand	■ Numerous Boulders/Large Grained Complex Habitat
<b>CMECS Geofom</b>	■ Occasional Boulders/Large Grained Complex Habitat
● Burrows/Bioturbation	▨ Occasional Boulders/Large Grained Complex Habitat
● Flat	▨ Heterogeneous Complex Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000

**REFERENCE MAP**

0 0.05 0.1 0.2 0.3 0.4 Kilometers  
0 0.05 0.1 0.15 0.2 Nautical Miles  
0 0.05 0.1 0.2 0.3 Miles

**BEACON WIND LEASE AREA OCS-A 0520**

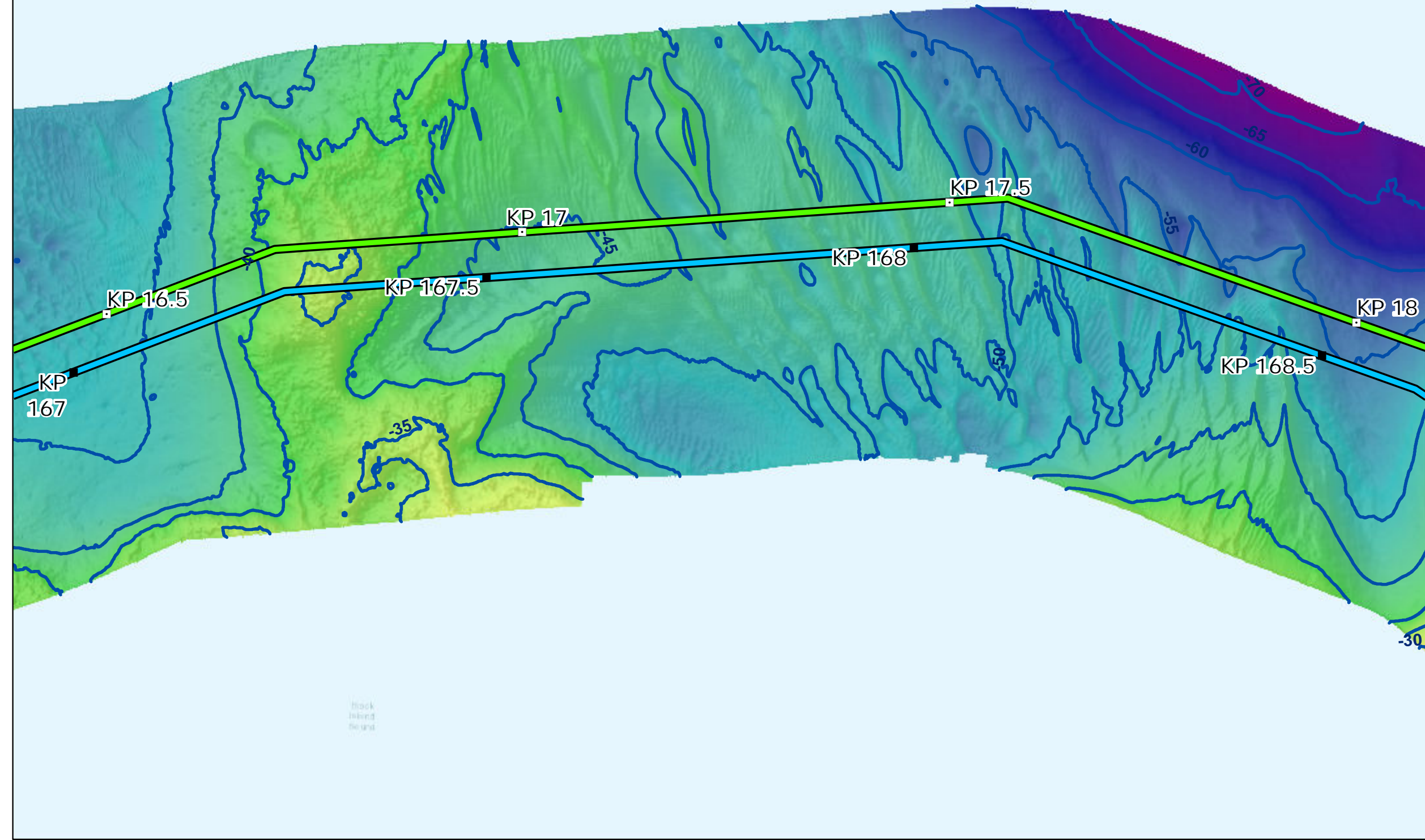
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 130

BW1 (NY) - KP 166 - KP 167  
BW2 (NY) - KP 166 - KP 167  
BW2 (CT) - KP 15 - KP 16.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



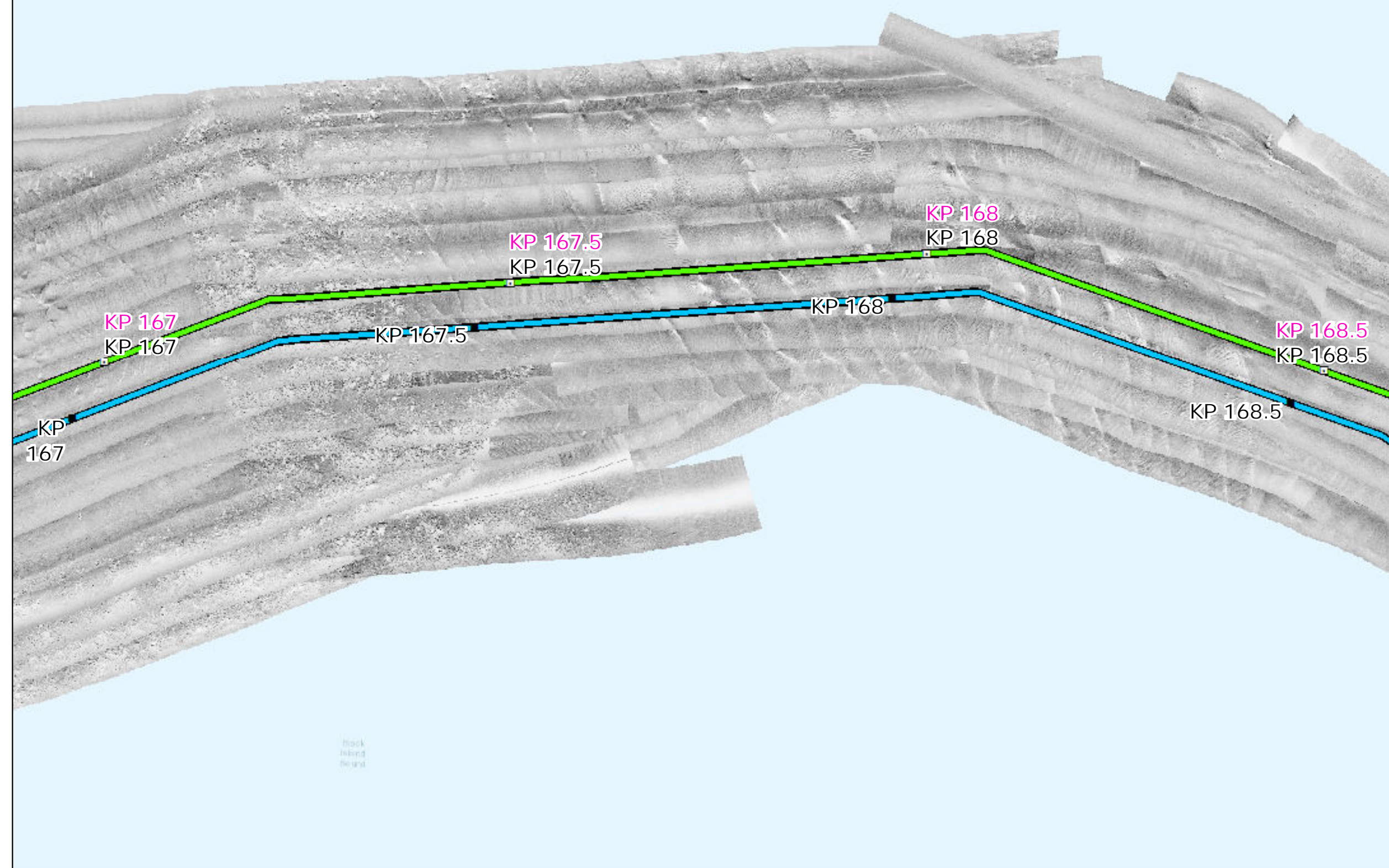
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



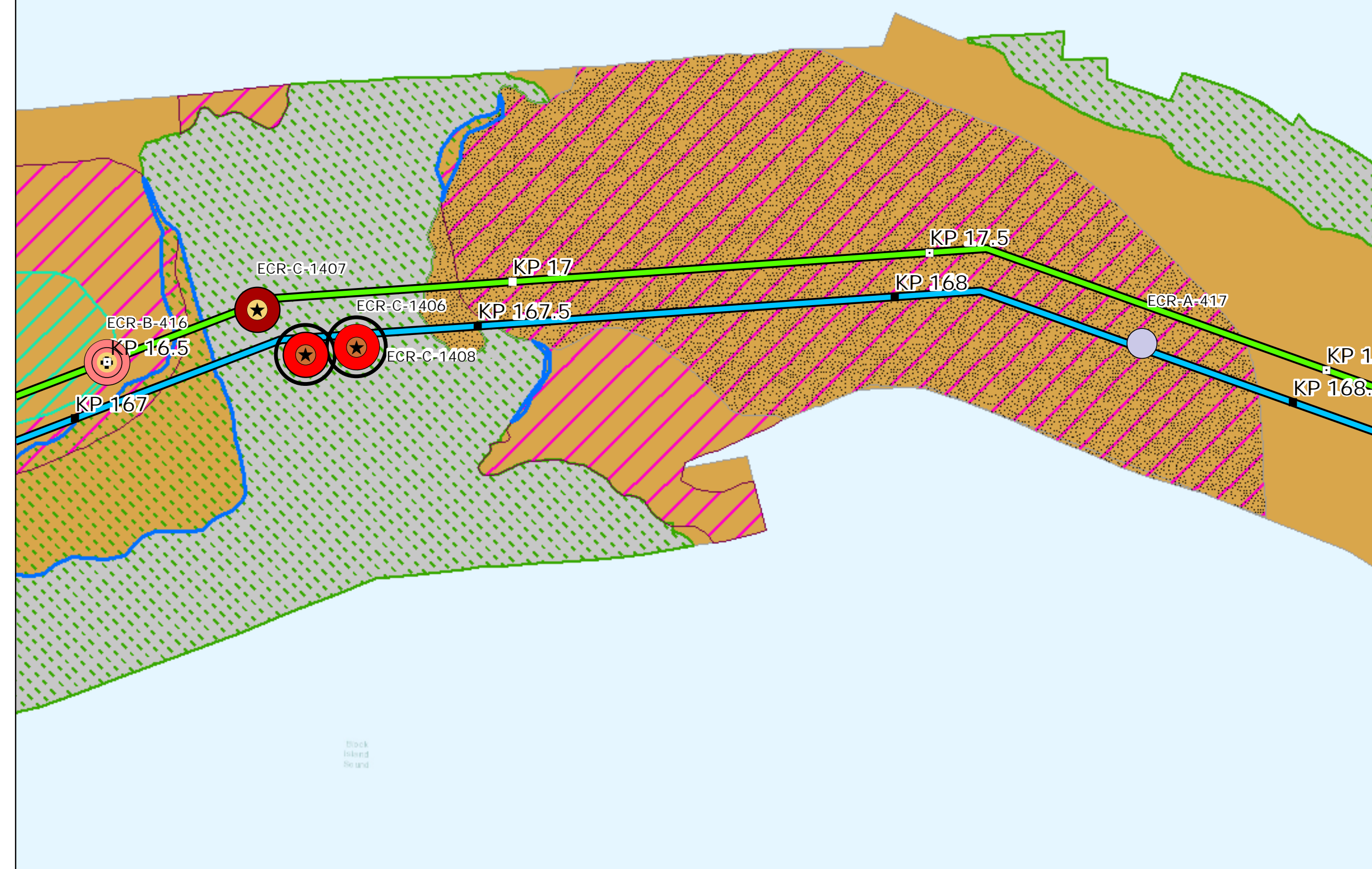
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

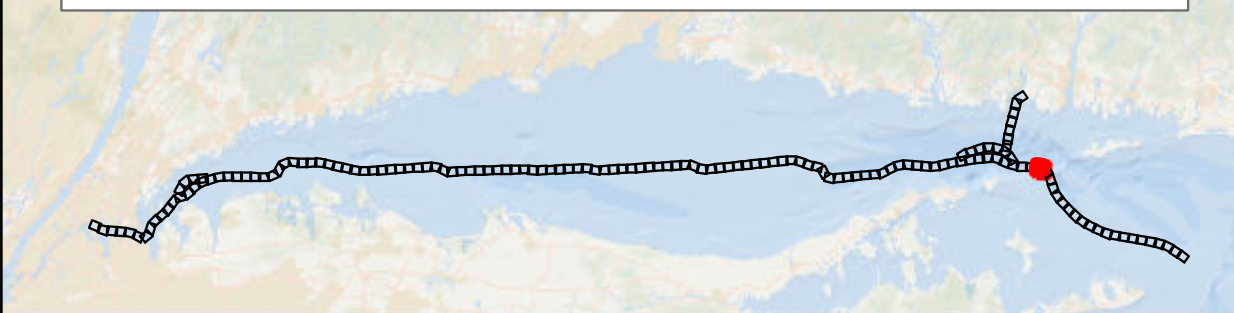


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

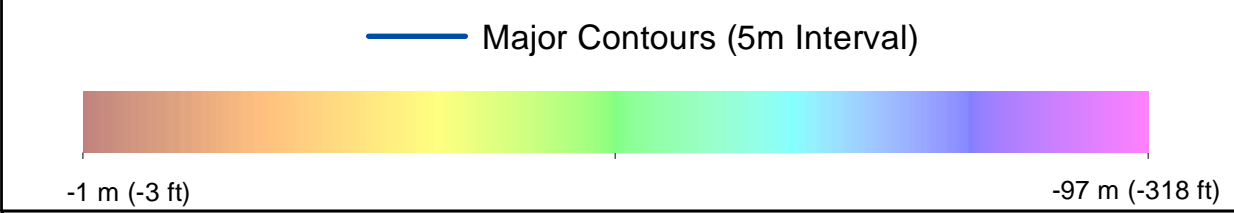


# Map Book Package for Submarine Export Cable Route in State Waters

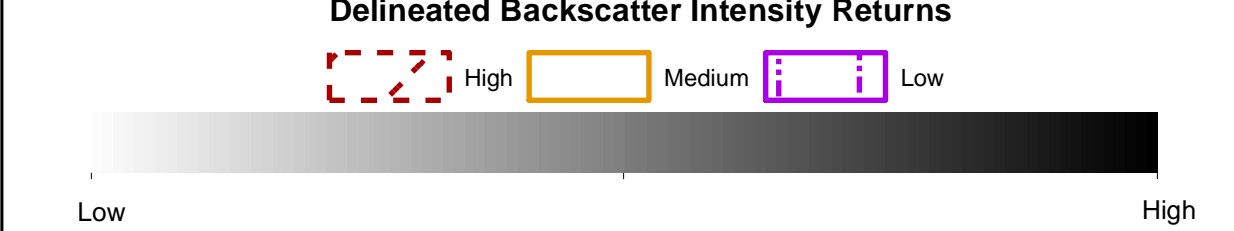


- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar



## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

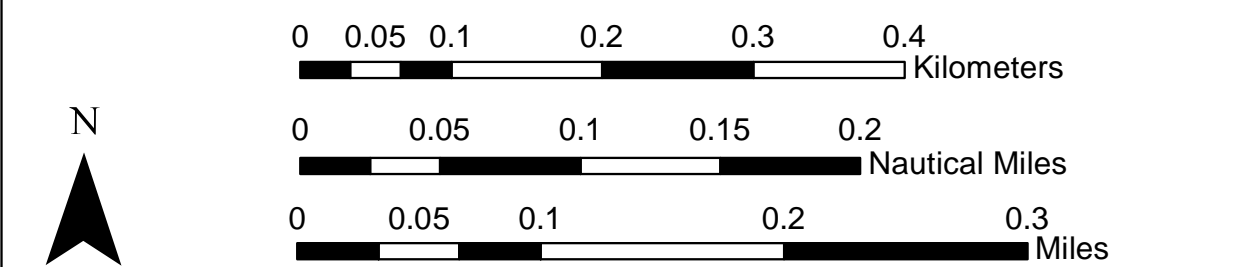
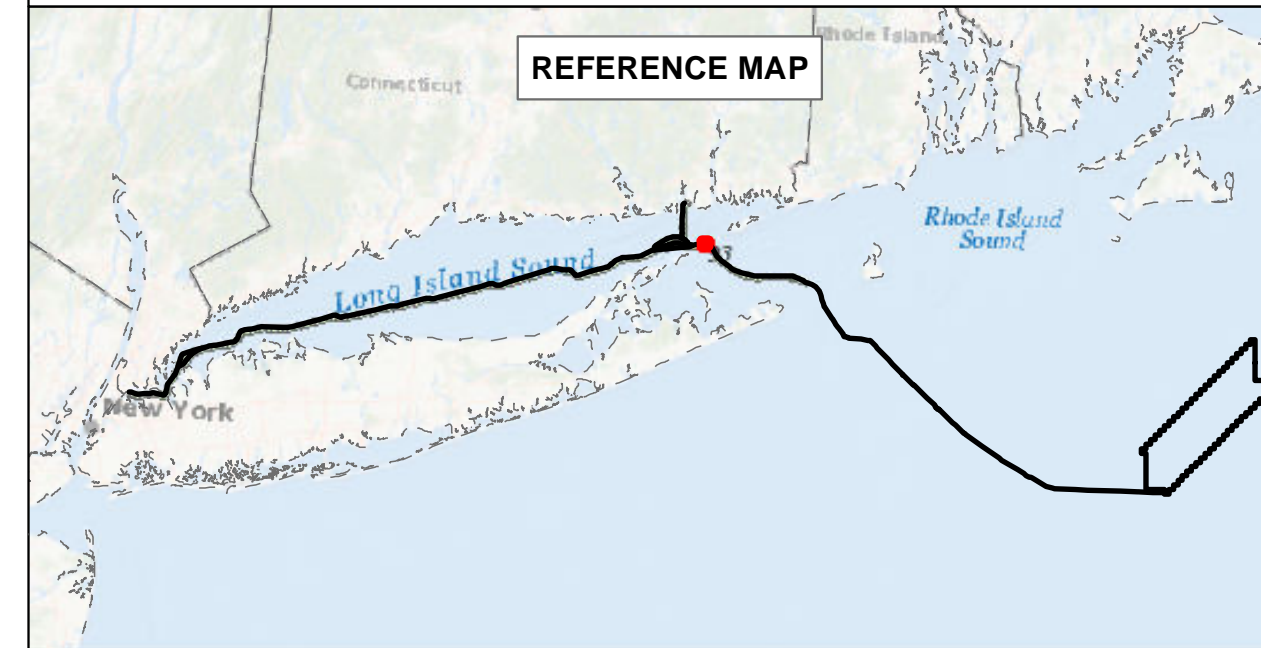
- |  |   |   |
|--|---|---|
| <b>Station Type</b><br><ul style="list-style-type: none"> <li>◆ Grab and Video</li> <li>◆ SPI/PV</li> <li>★ Video</li> </ul> | <ul style="list-style-type: none"> <li>● Flat</li> <li>○ Northern Star Coral</li> </ul>   | <ul style="list-style-type: none"> <li>■ Till/Complex Habitat</li> <li>■ Numerous Boulders/Large Grained Complex Habitat</li> <li>■ Heterogeneous Complex Habitat</li> </ul>                              |
| <b>CMECS Biotic</b><br><ul style="list-style-type: none"> <li>● Large Macrofauna</li> <li>● Soft Sediment Fauna</li> </ul>   | <b>Benthic Features</b><br><ul style="list-style-type: none"> <li>■ Megaripples</li> <li>■ Sand Ripples</li> <li>■ Waves</li> </ul> | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br><ul style="list-style-type: none"> <li>■ Sand and Muddy Sand/Soft Bottom Habitat</li> <li>■ Mixed Sediment/Complex Habitat</li> </ul> |
| <b>CMECS Substrate</b><br><ul style="list-style-type: none"> <li>● Muddy Sand</li> <li>● Shell Rubble</li> </ul>             | <ul style="list-style-type: none"> <li>● Boulder Field</li> <li>● Burrows/Bioturbation</li> </ul>                                   |   |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

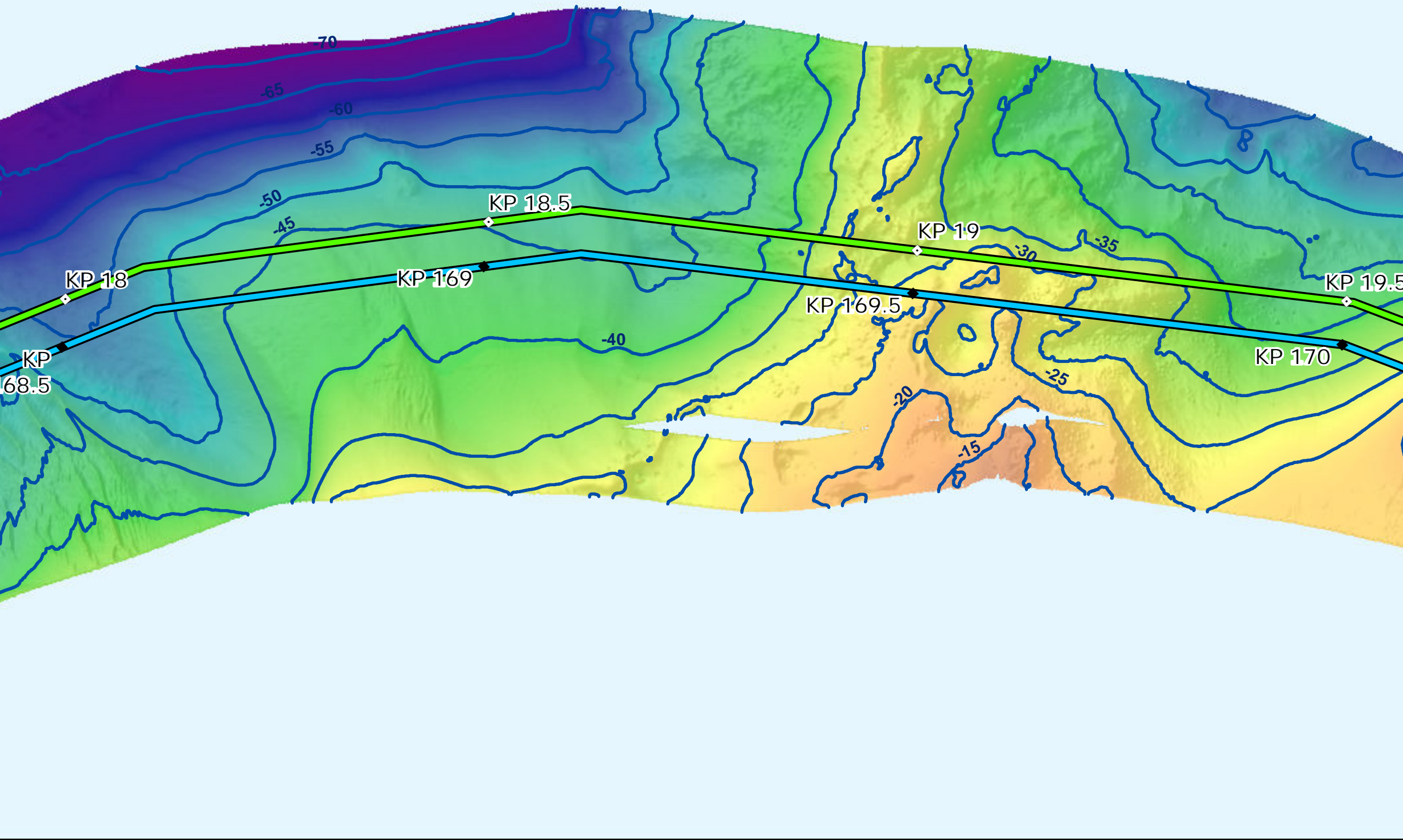
## Map Book Package for Submarine Export Cable Route in State Waters Tile 131

- BW1 (NY) - KP 167 - KP 168.5
- BW2 (NY) - KP 167 - KP 168.5
- BW2 (CT) - KP 16.5 - KP 18



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



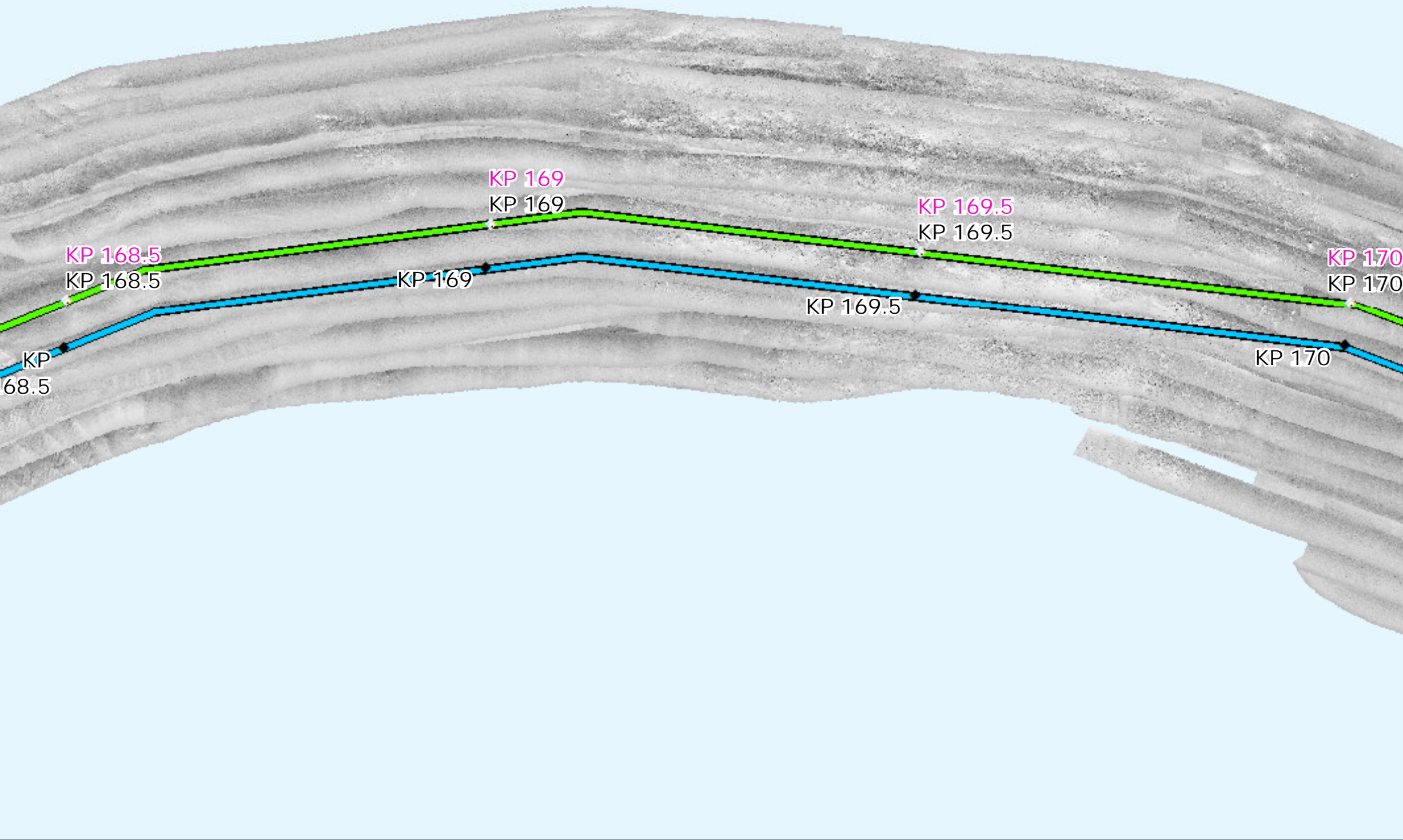
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



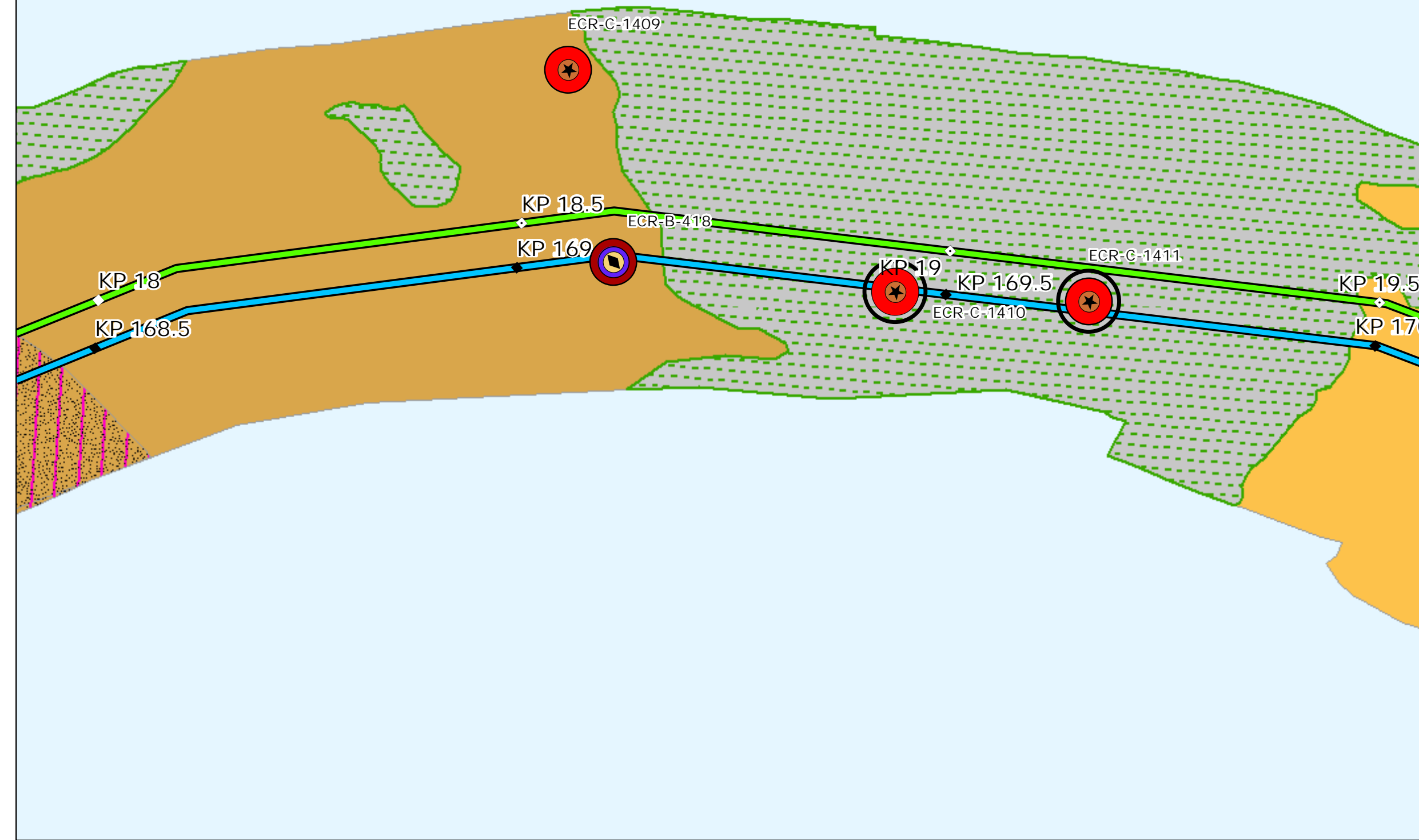
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

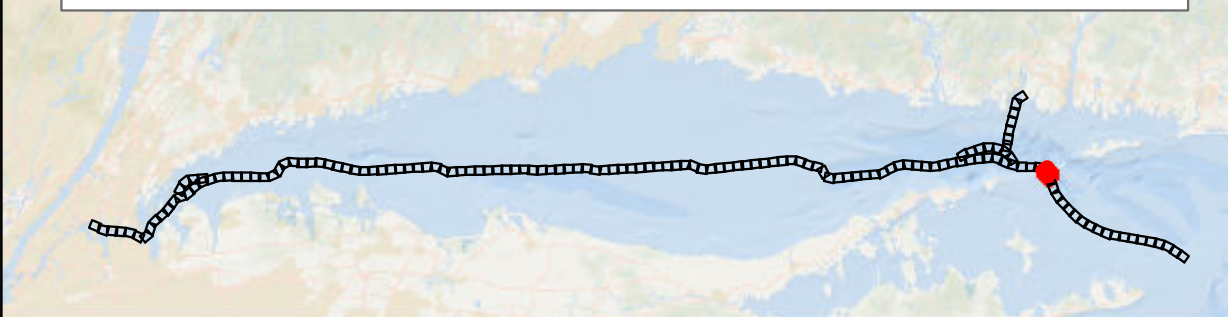


# Interpreted Seabed Sediment/NMFS Habitat Characterization

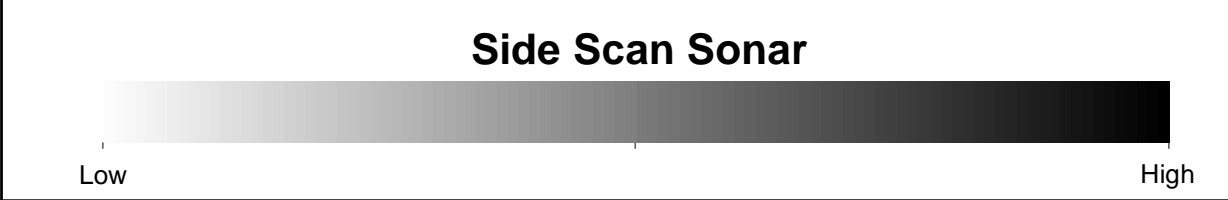
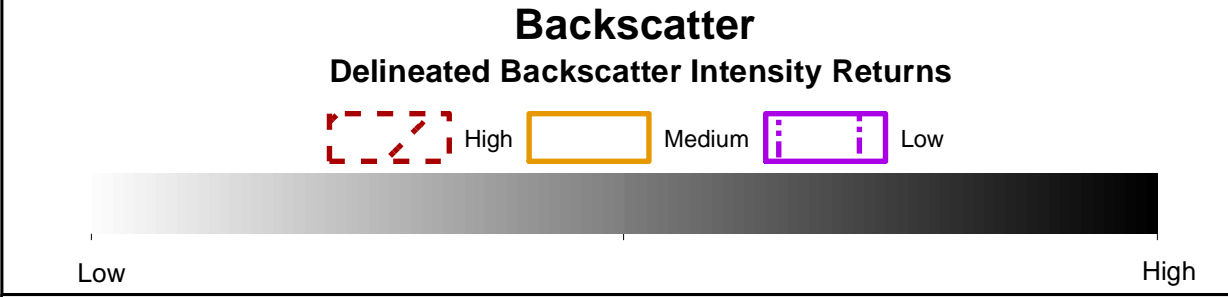
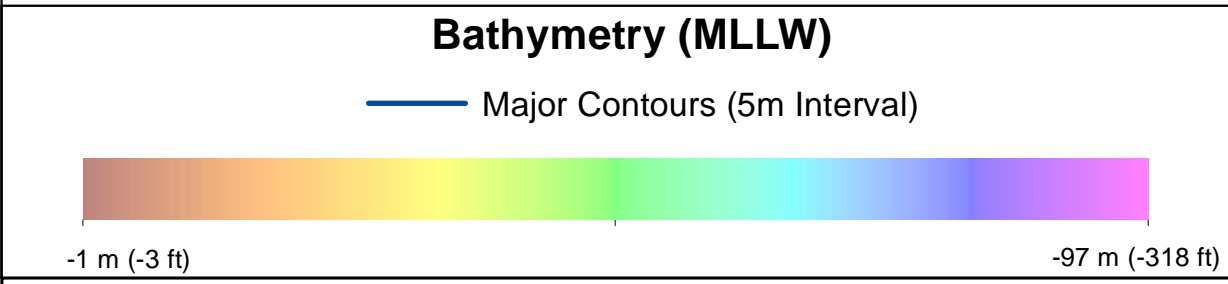
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

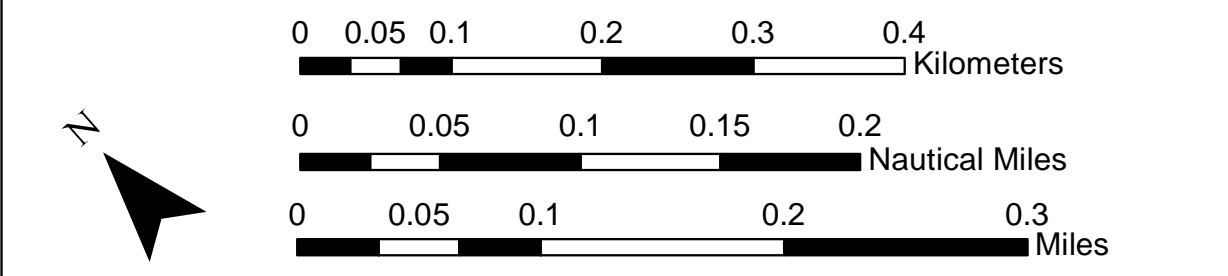
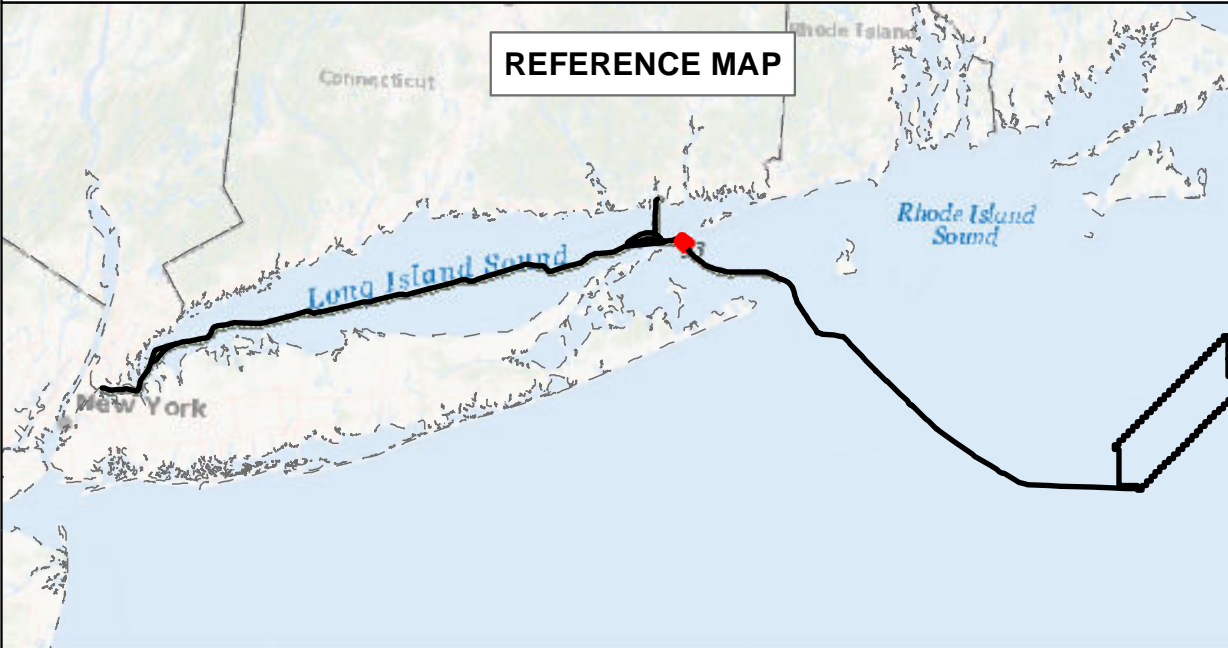


- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |                       |   |
|------------------------|-----------------------|---|
| <b>Station Type</b>    | ◆ SPI/PV              | ○ Northern Star Coral                             |
|                        | ★ Video               |   |
| <b>CMECS Biotic</b>    | ● Large Macrofauna    | ▨ Sand Ripples                                    |
|                        | ● Soft Sediment Fauna | ▨ Waves   |
| <b>CMECS Substrate</b> | ● Gravel              |   |
| <b>CMECS Geoform</b>   | ● Boulder Field       |   |
|                        | ● Flat                |   |
|                        |                       | ■ Sand and Muddy Sand/Soft Bottom Habitat         |
|                        |                       | ■ Mixed Sediment/Complex Habitat                  |
|                        |                       | ■ Till/Complex Habitat                            |
|                        |                       | ■ Numerous Boulders/Large Grained Complex Habitat |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

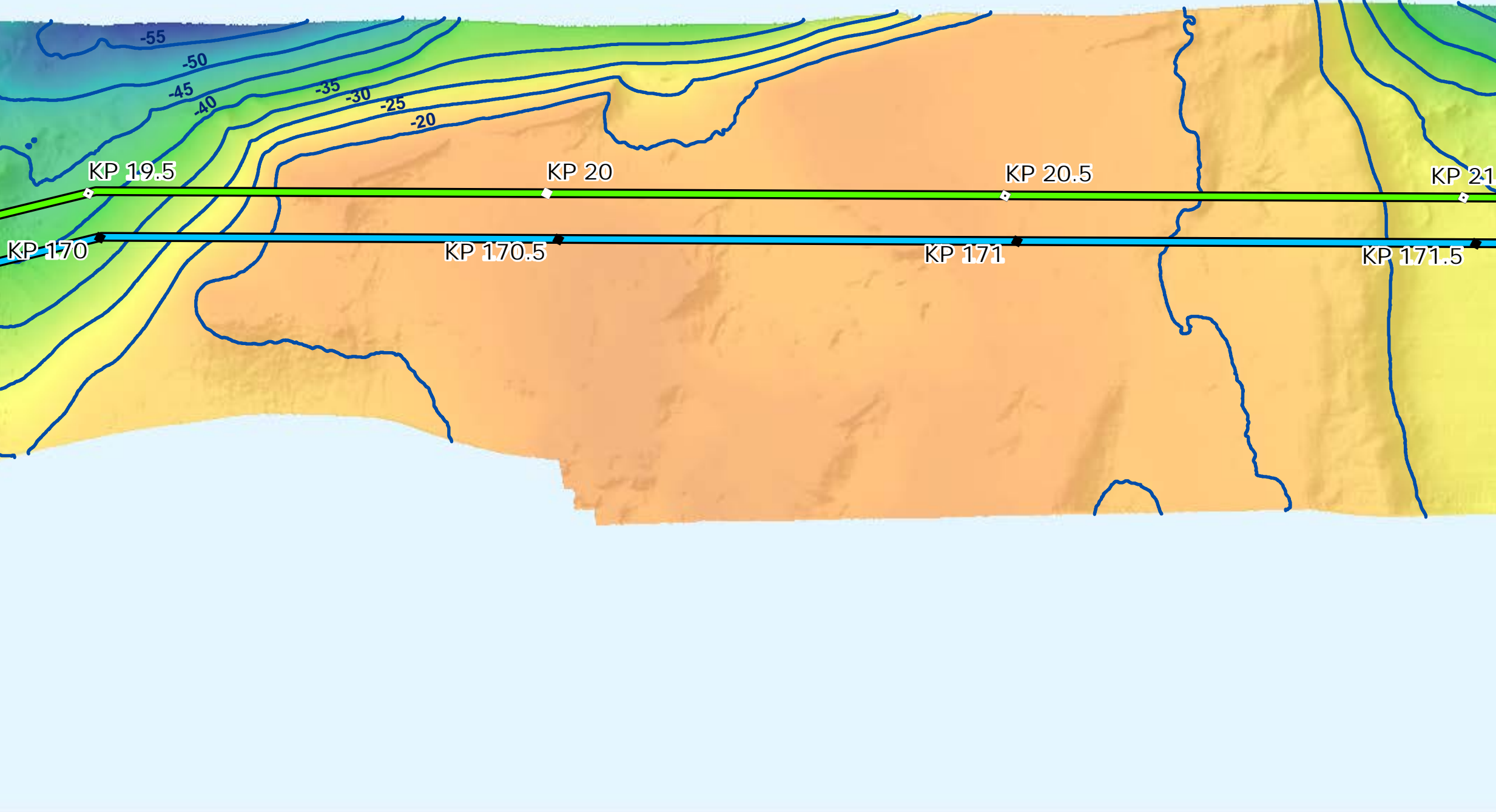
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 132

BW1 (NY) - KP 168.5 - KP 170  
BW2 (NY) - KP 168.5 - KP 170  
BW2 (CT) - KP 18 - KP 19.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



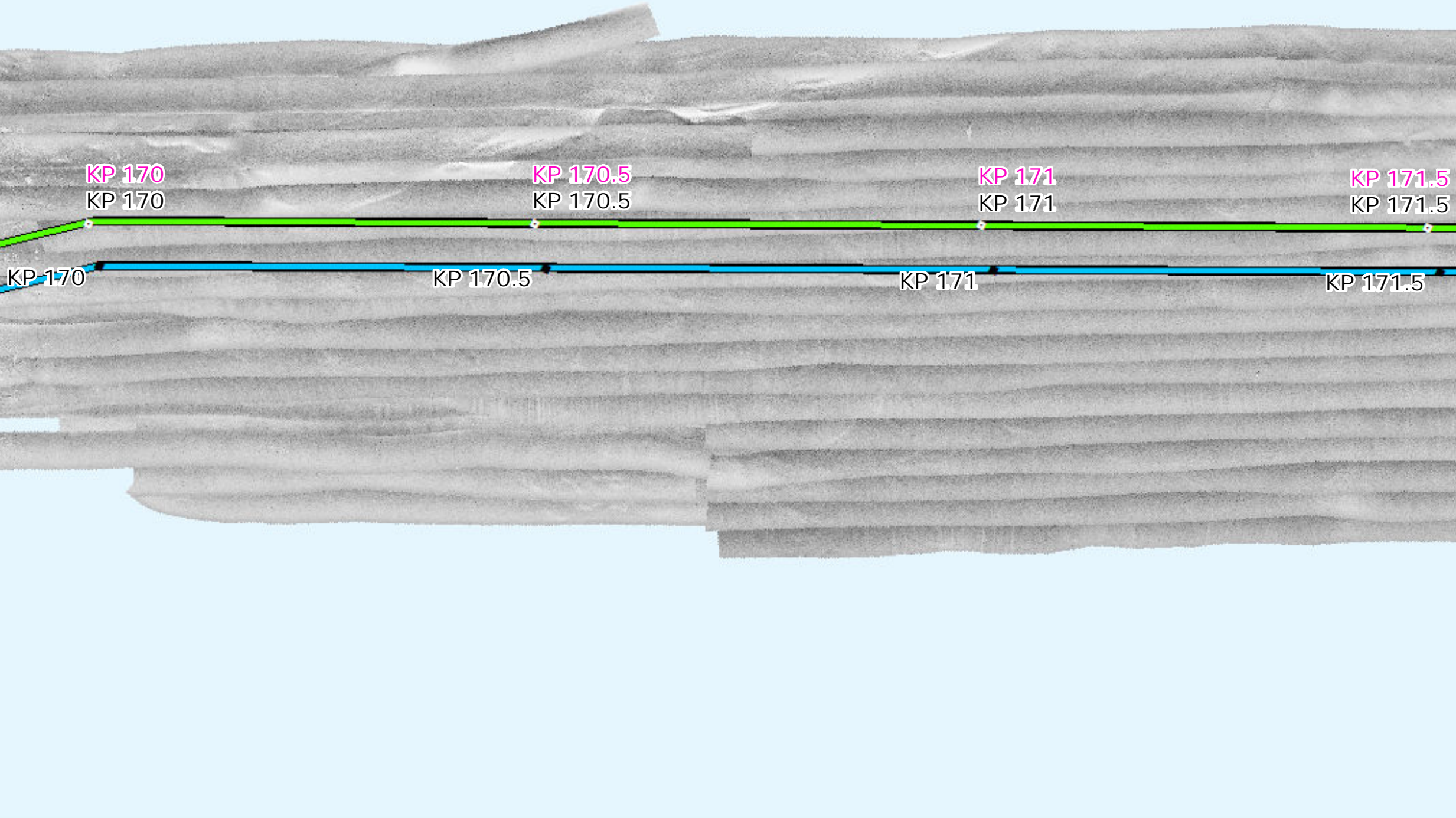
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



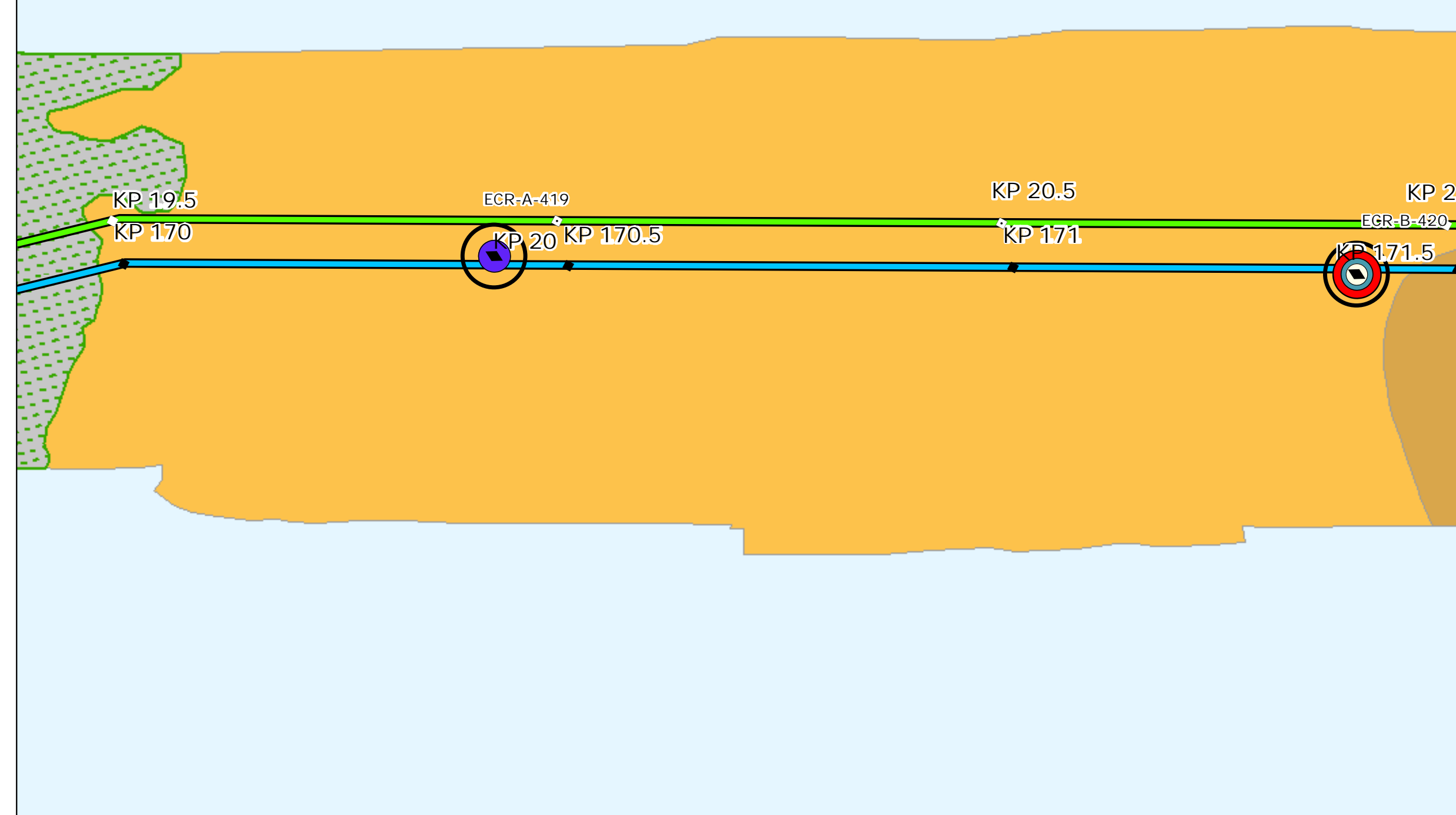
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

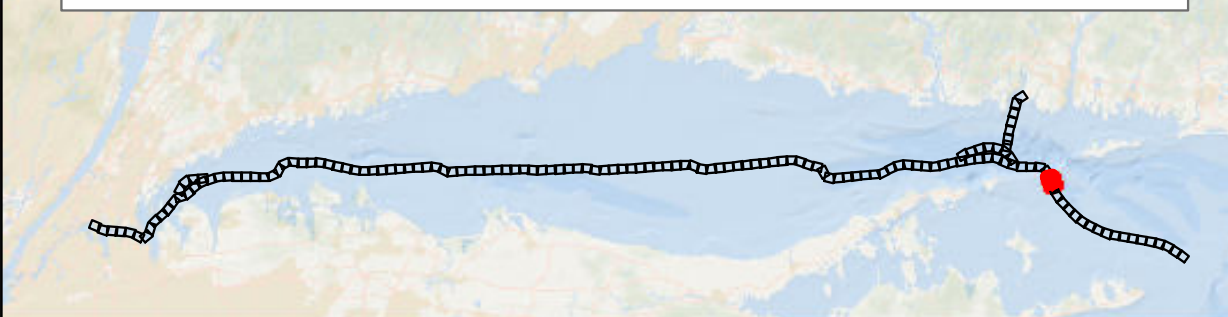


# Interpreted Seabed Sediment/NMFS Habitat Characterization

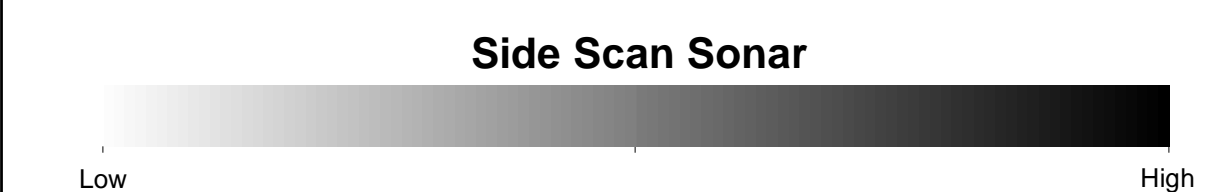
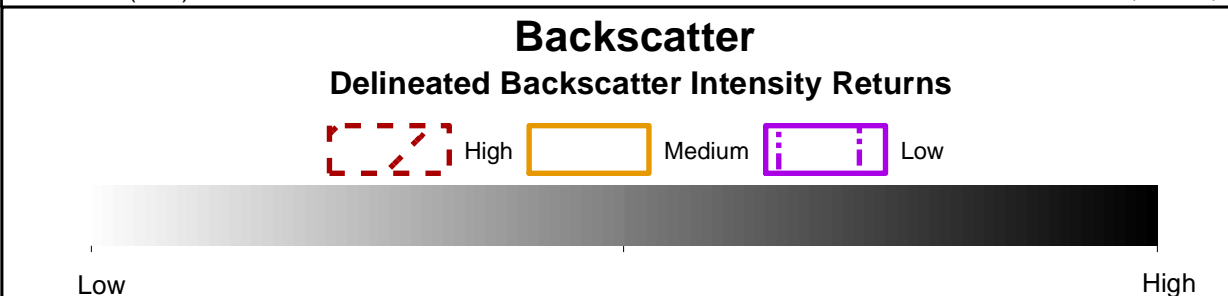
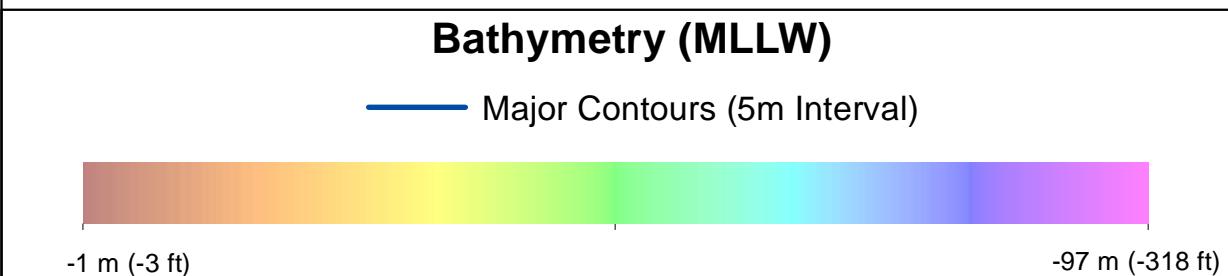
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



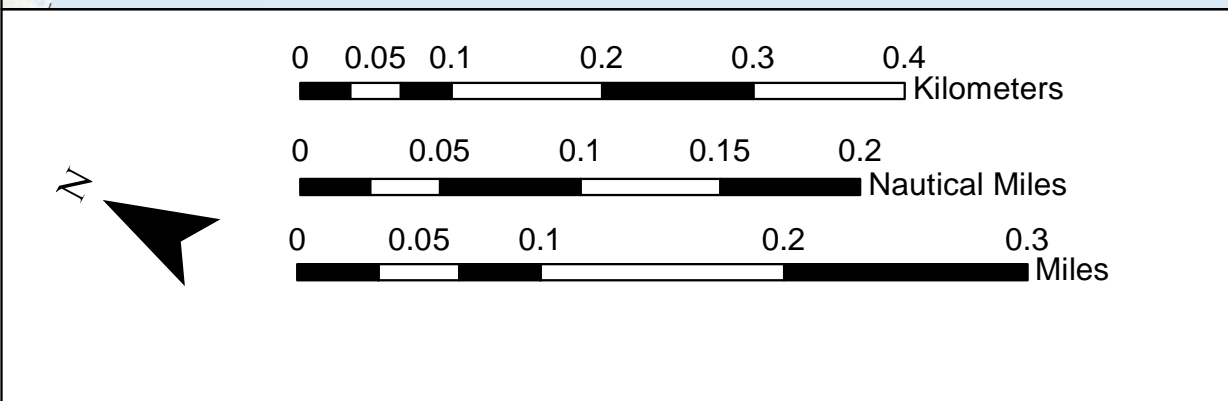
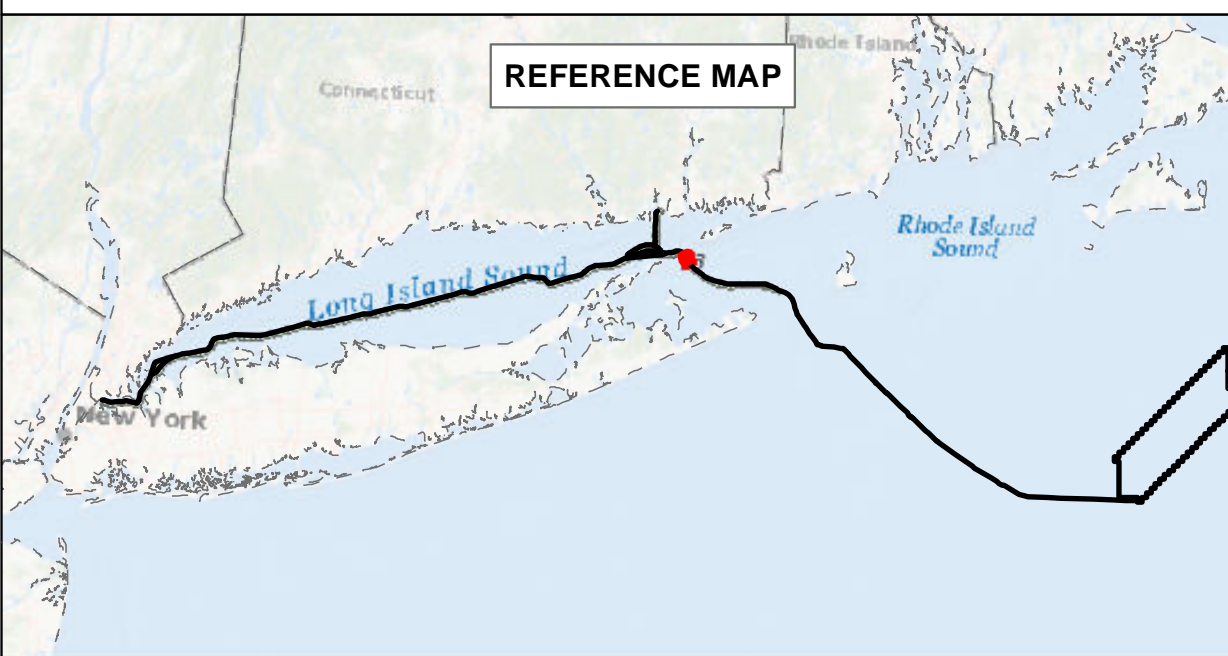
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |   |   |
|---|---|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li>◆ SPI/PV</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li>○ Attached Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li>● Gravel Mix</li> <li>● Gravel</li> </ul> <p><b>CMECS Geoform</b></p> <ul style="list-style-type: none"> <li>● Boulder Field</li> <li>○ Northern Star Coral</li> </ul> | <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li>■ Sand and Muddy</li> <li>■ Sand/Soft Bottom Habitat</li> <li>■ Mixed Sediment/Complex Habitat</li> <li>■ Till/Complex Habitat</li> <li>■ Numerous Boulders/Large Grained Complex Habitat</li> </ul> |
|---|---|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

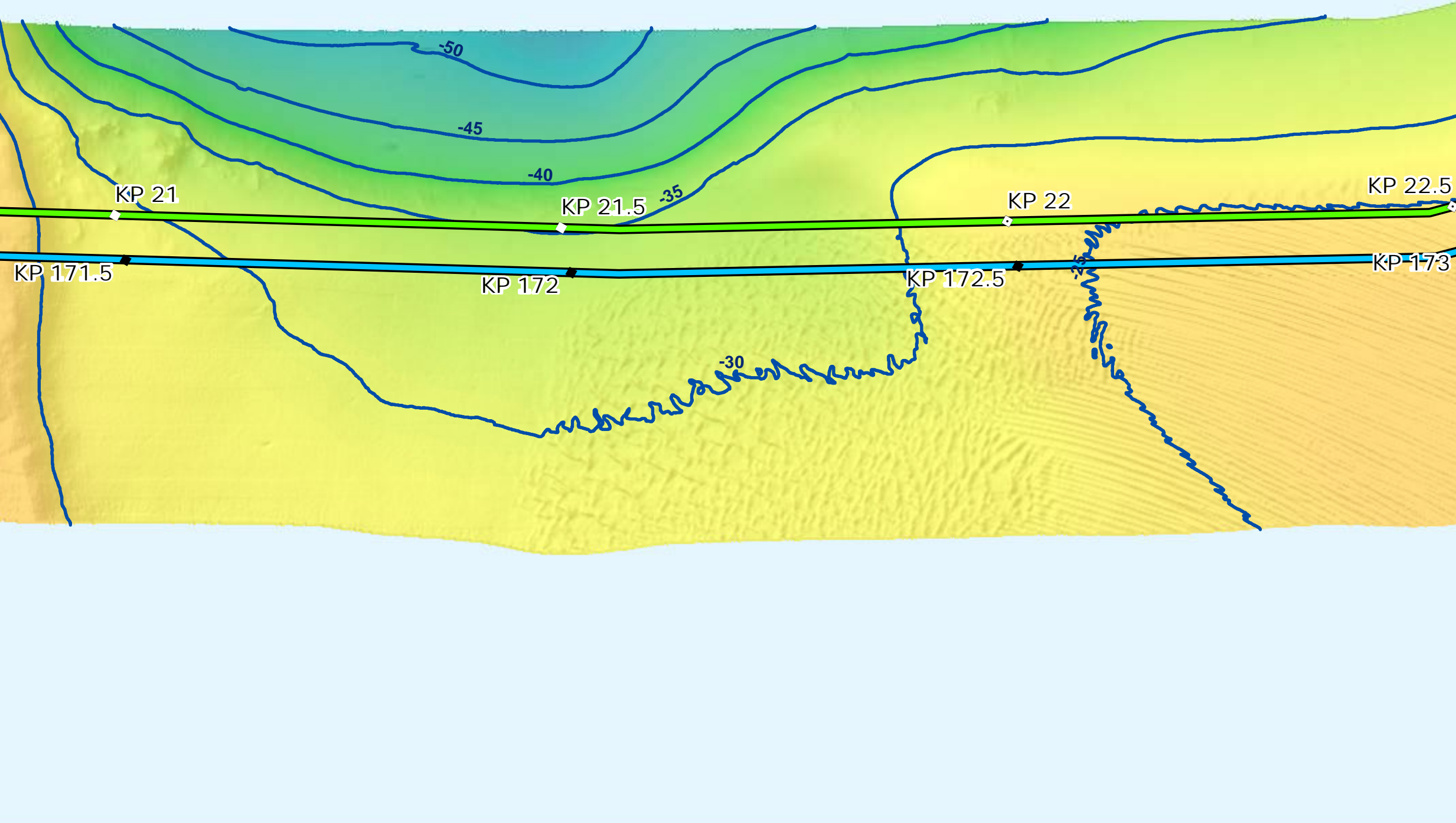
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 133

BW1 (NY) - KP 170 - KP 171.5  
BW2 (NY) - KP 170 - KP 171.5  
BW2 (CT) - KP 19.5 - KP 21



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



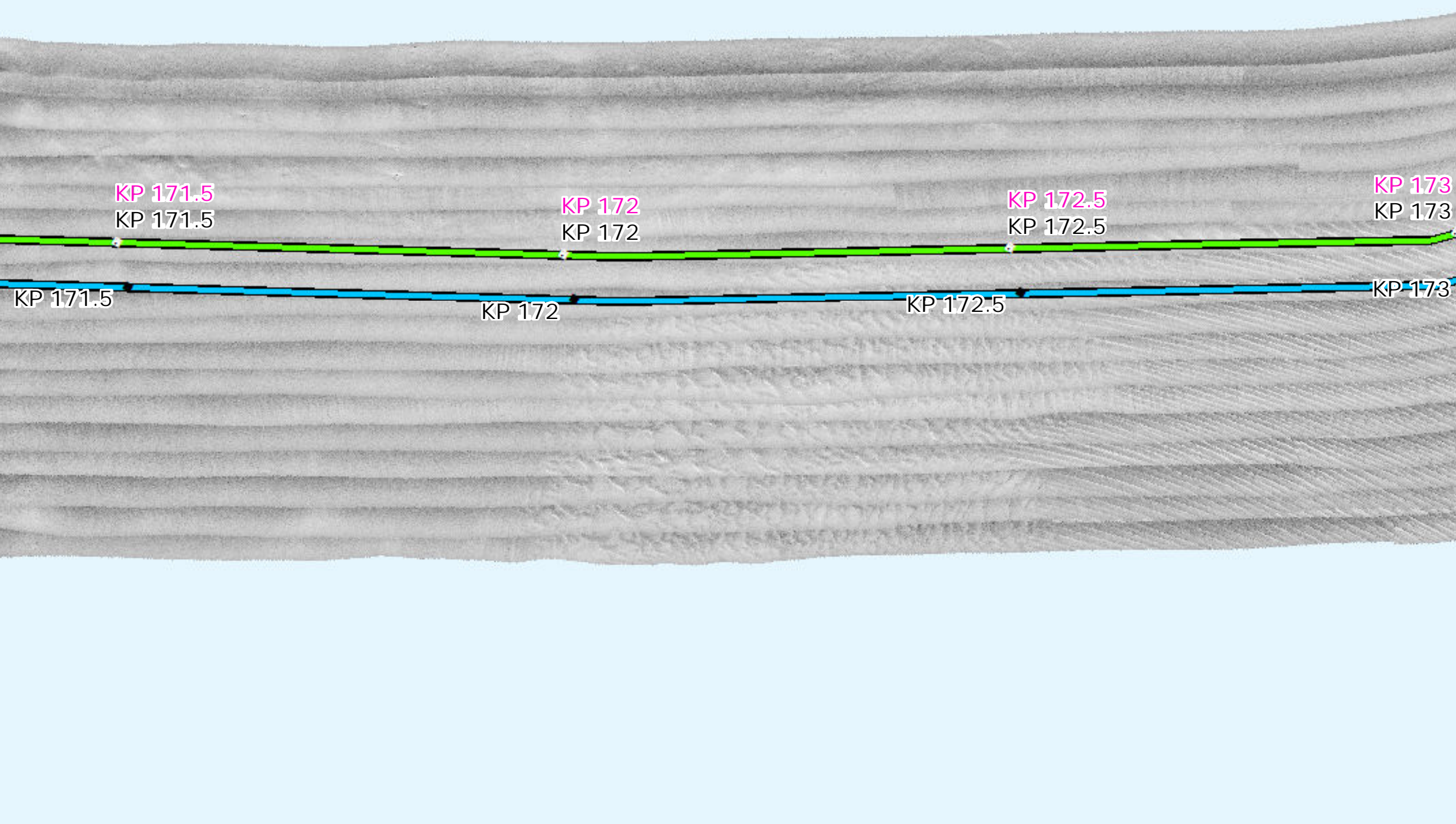
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



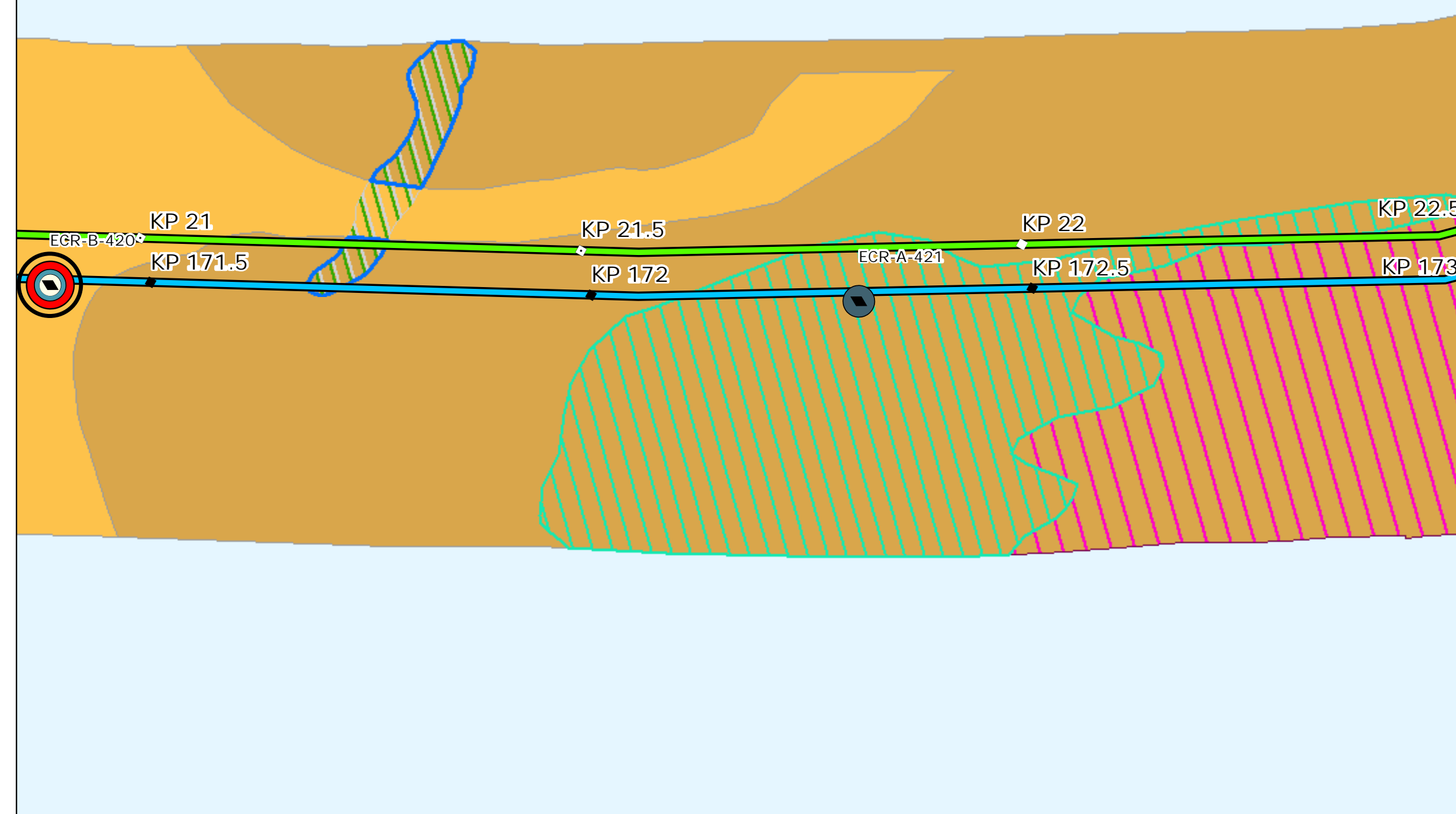
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

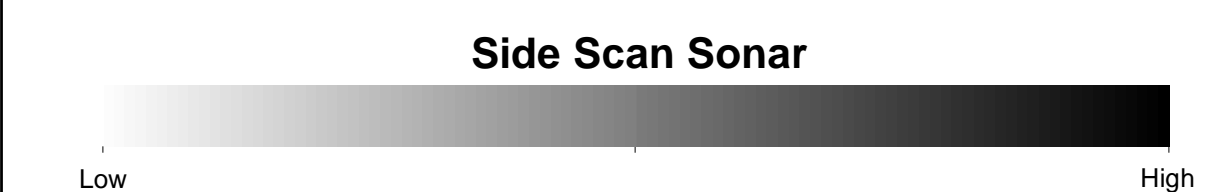
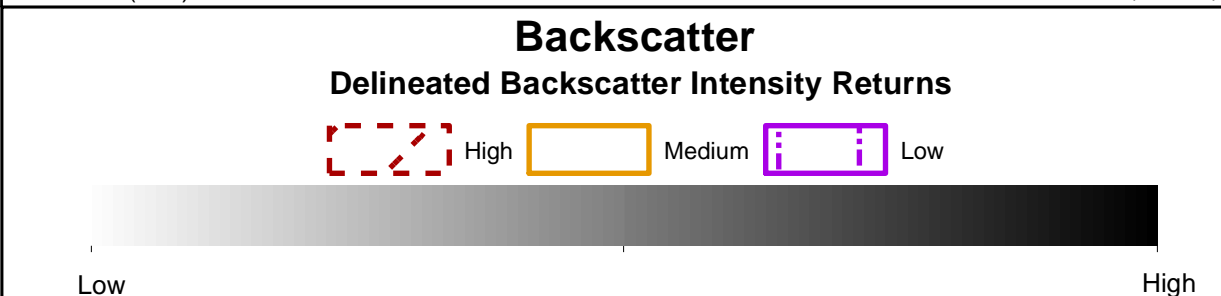
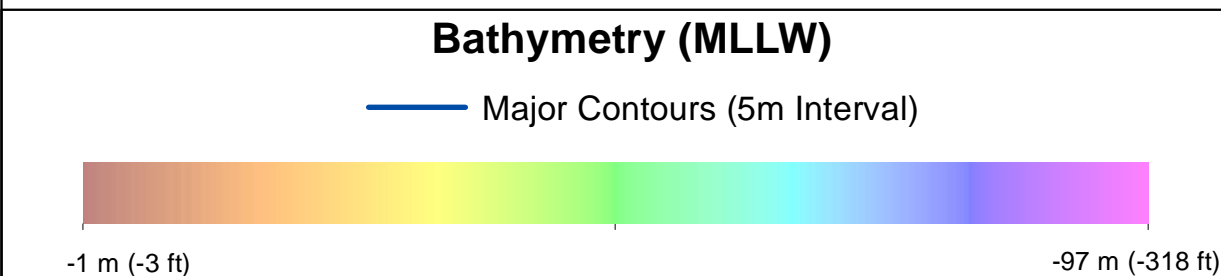
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

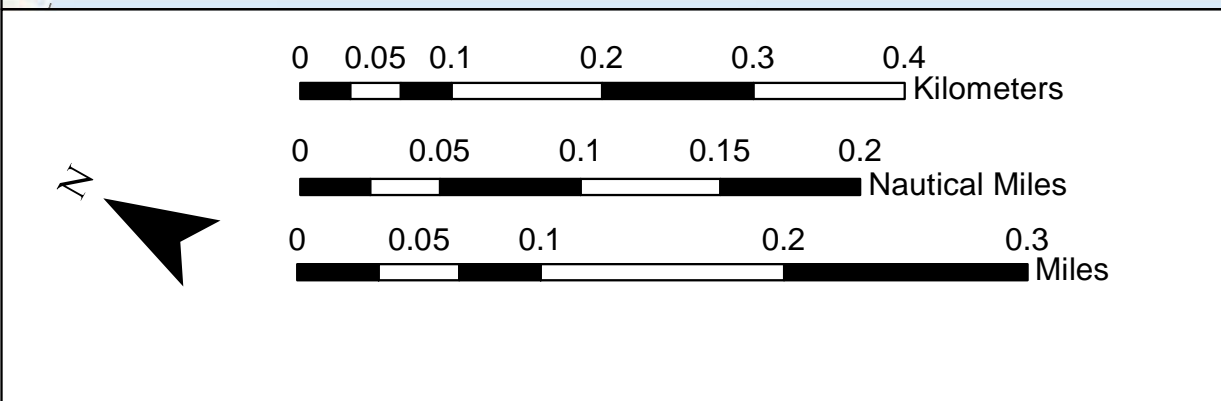
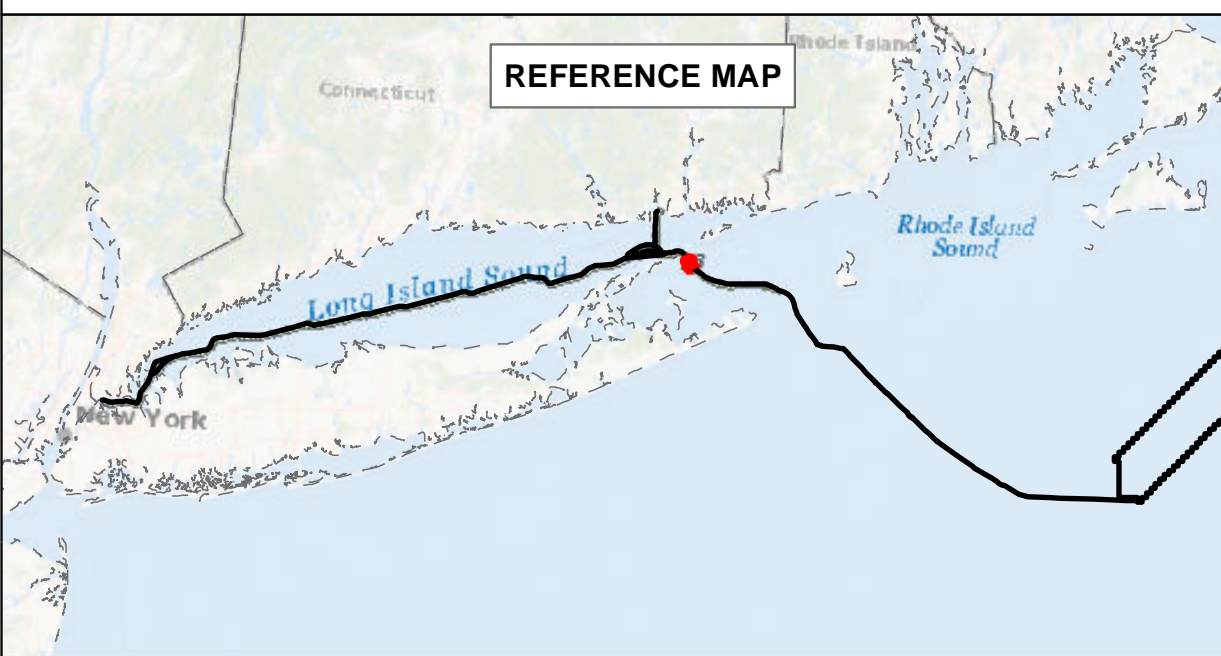


- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |                       |  |
|-------------------------|-----------------------|--|
| <b>Station Type</b>     | ◆ SPI/PV              | ◆ Sand Ripples   |
| <b>CMECS Biotic</b>     | ○ Attached Fauna      | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| <b>CMECS Substrate</b>  | ● Gravel Mix          | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
|                         | ● Sand                | ■ Mixed Sediment/Complex Habitat                                 |
| <b>CMECS Geoform</b>    | ● Boulder Field       | ■ Occasional Boulders/Large Grained Complex Habitat              |
|                         | ○ Northern Star Coral | ■ Heterogeneous Complex Habitat                                  |
| <b>Benthic Features</b> | ■ Megaripples         |  |
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

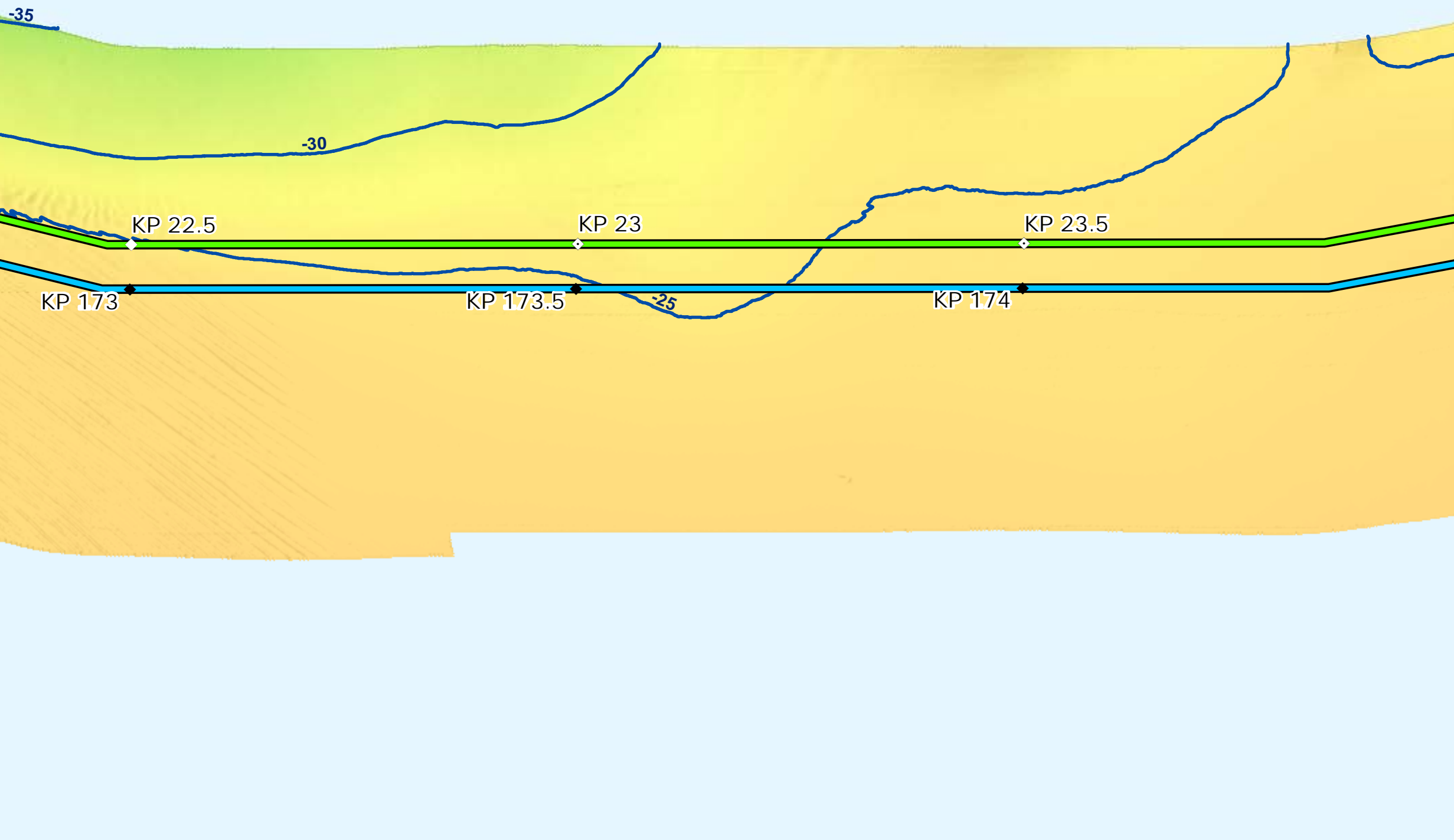
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 134

BW1 (NY) - KP 171.5 - KP 173  
BW2 (NY) - KP 171.5 - KP 173  
BW2 (CT) - KP 21 - KP 22.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



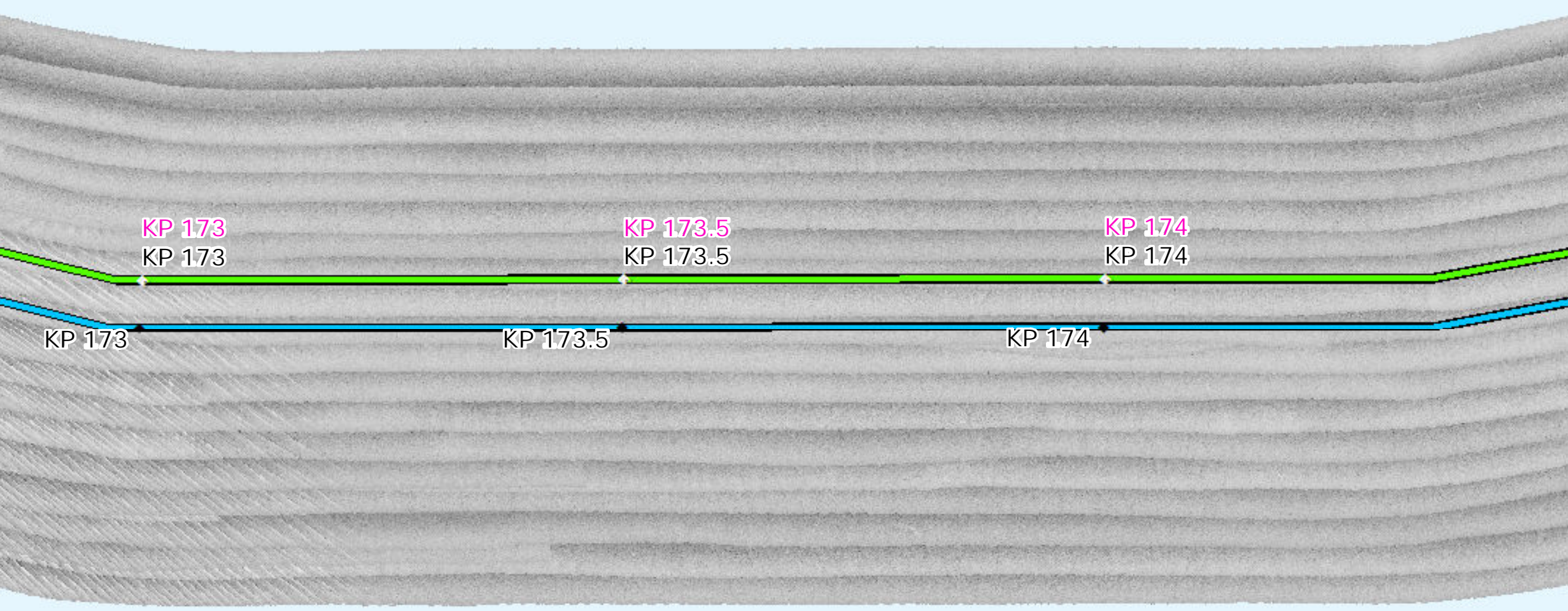
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



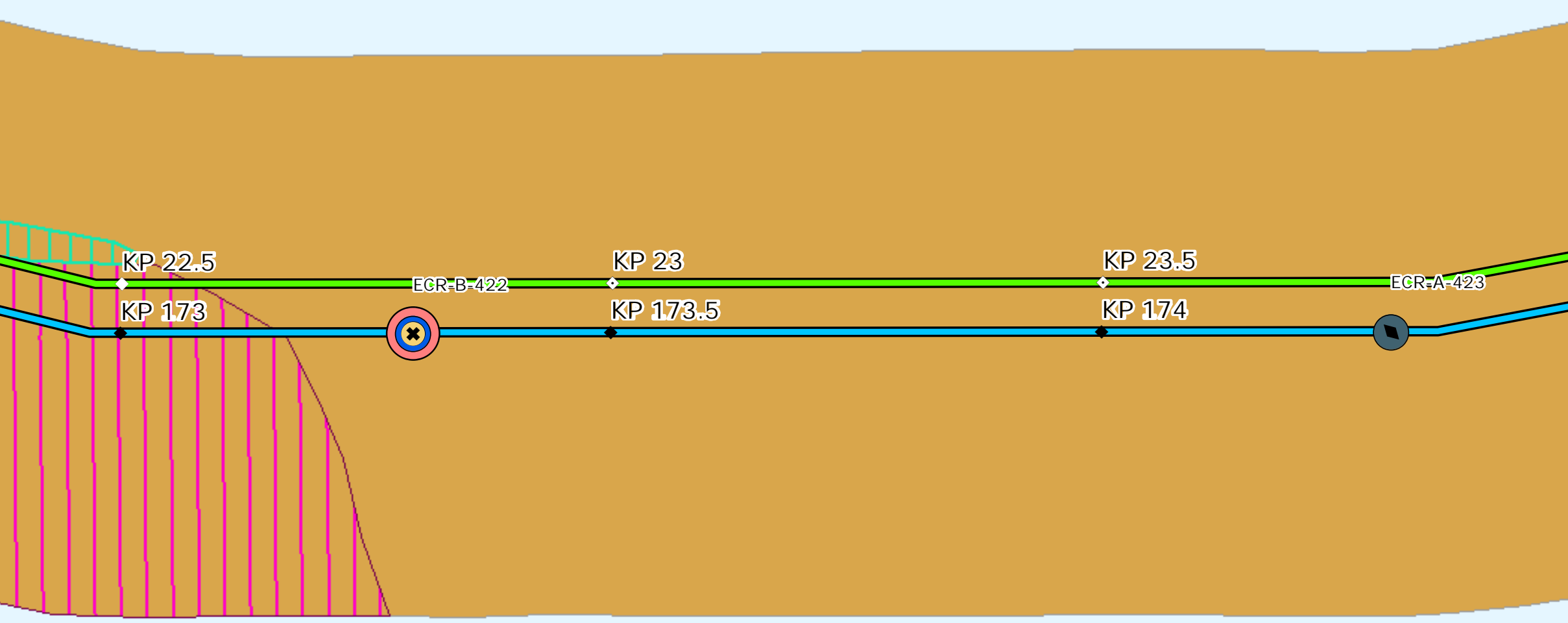
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

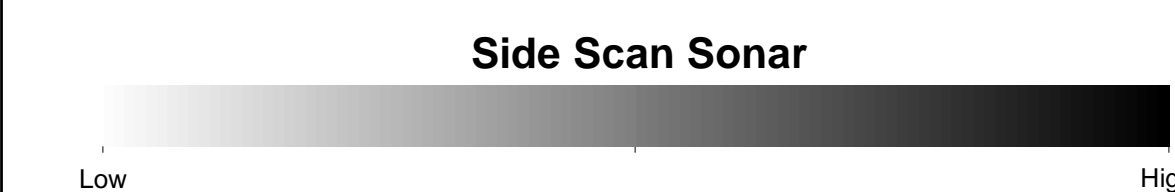
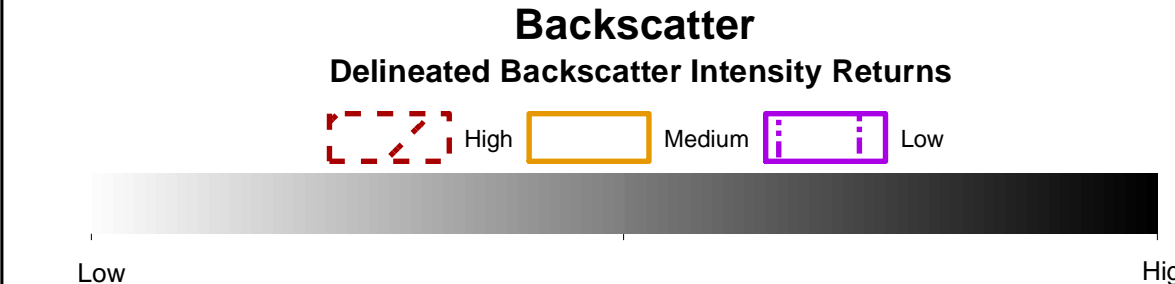
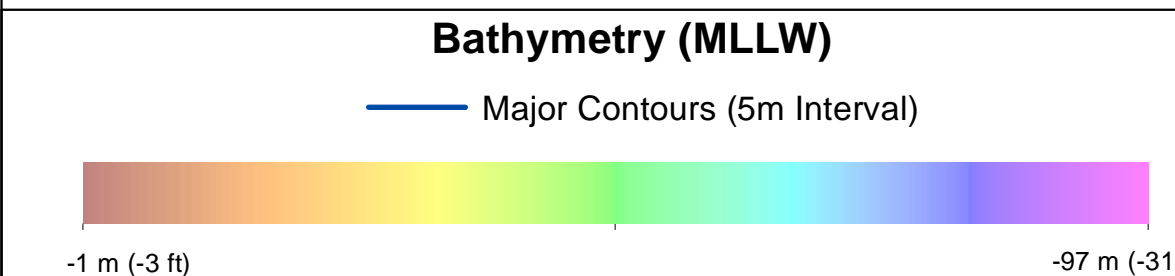
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



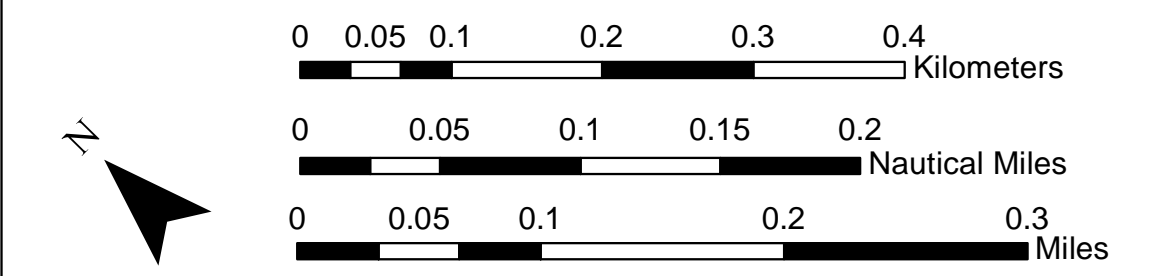
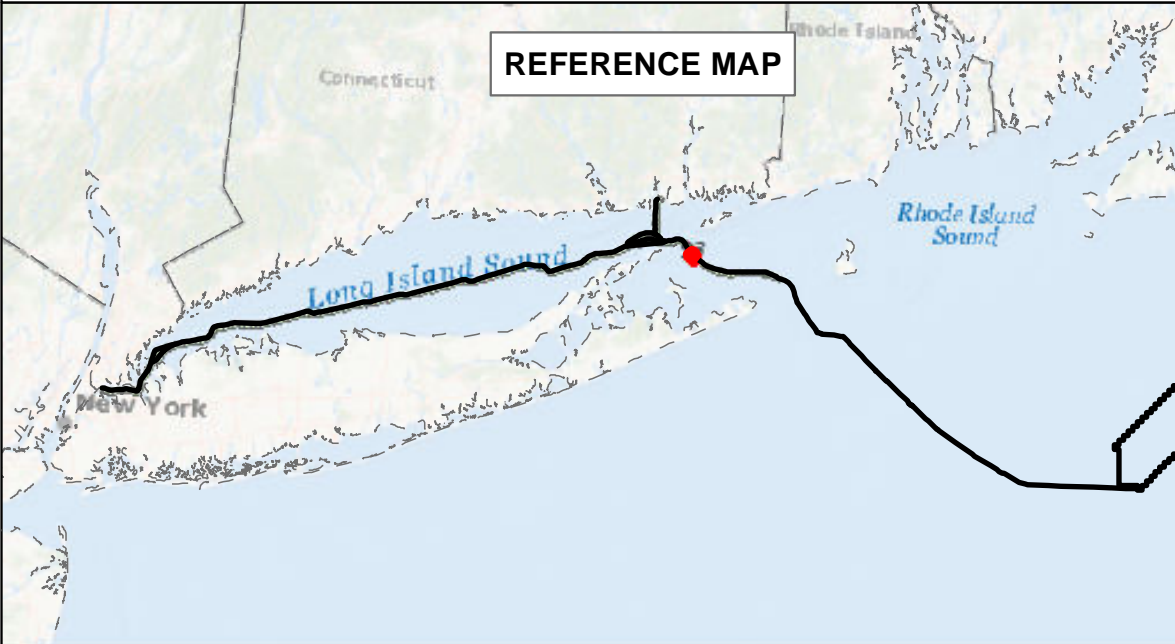
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ◆ SPI/PV                |  |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Muddy Sand            |  |
| ● Sand                  |  |
| <b>CMECS Geofom</b>     |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Sand Ripples          |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

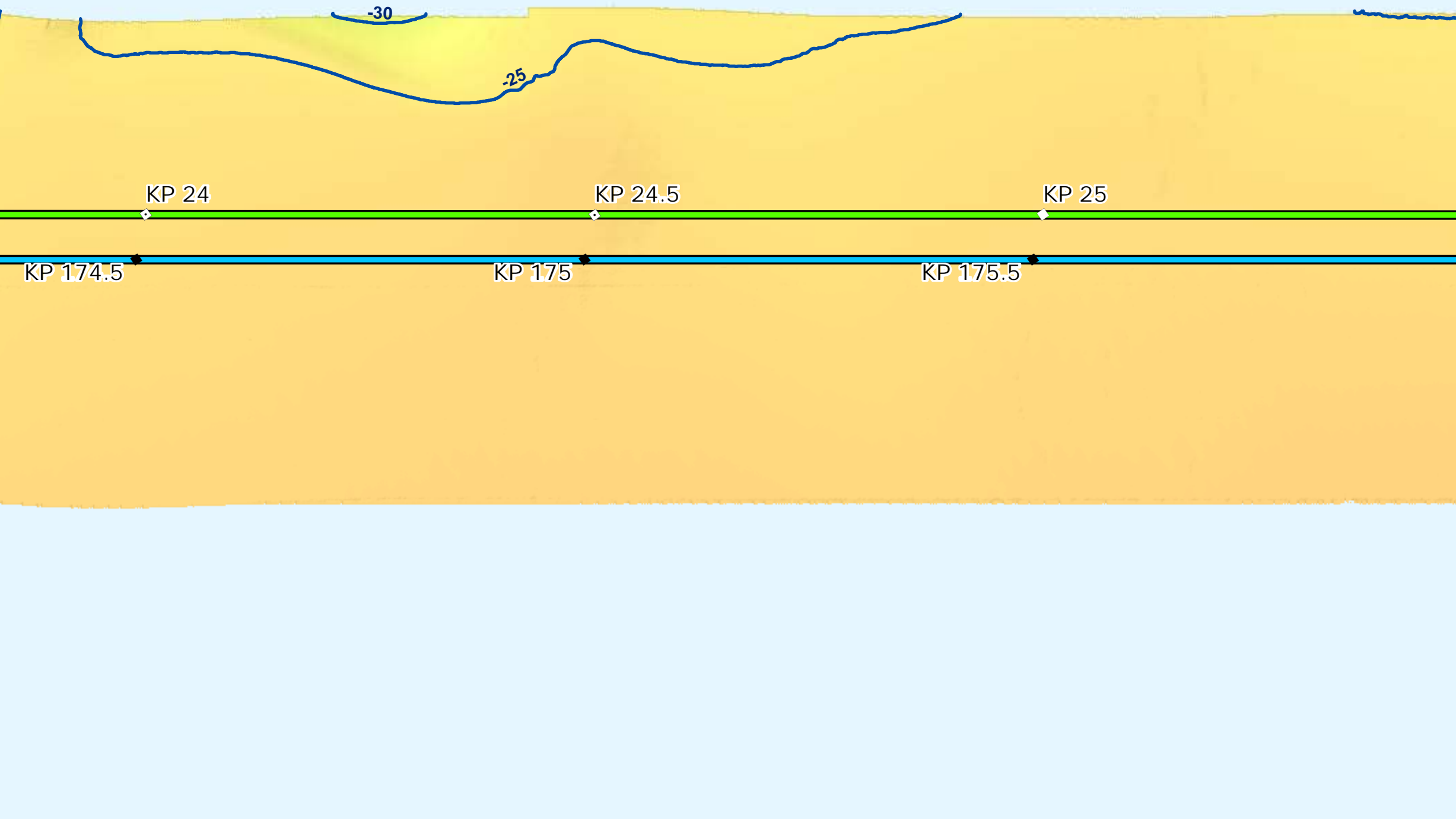
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 135

BW1 (NY) - KP 173 - KP 174  
BW2 (NY) - KP 173 - KP 174  
BW2 (CT) - KP 22.5 - KP 23.5



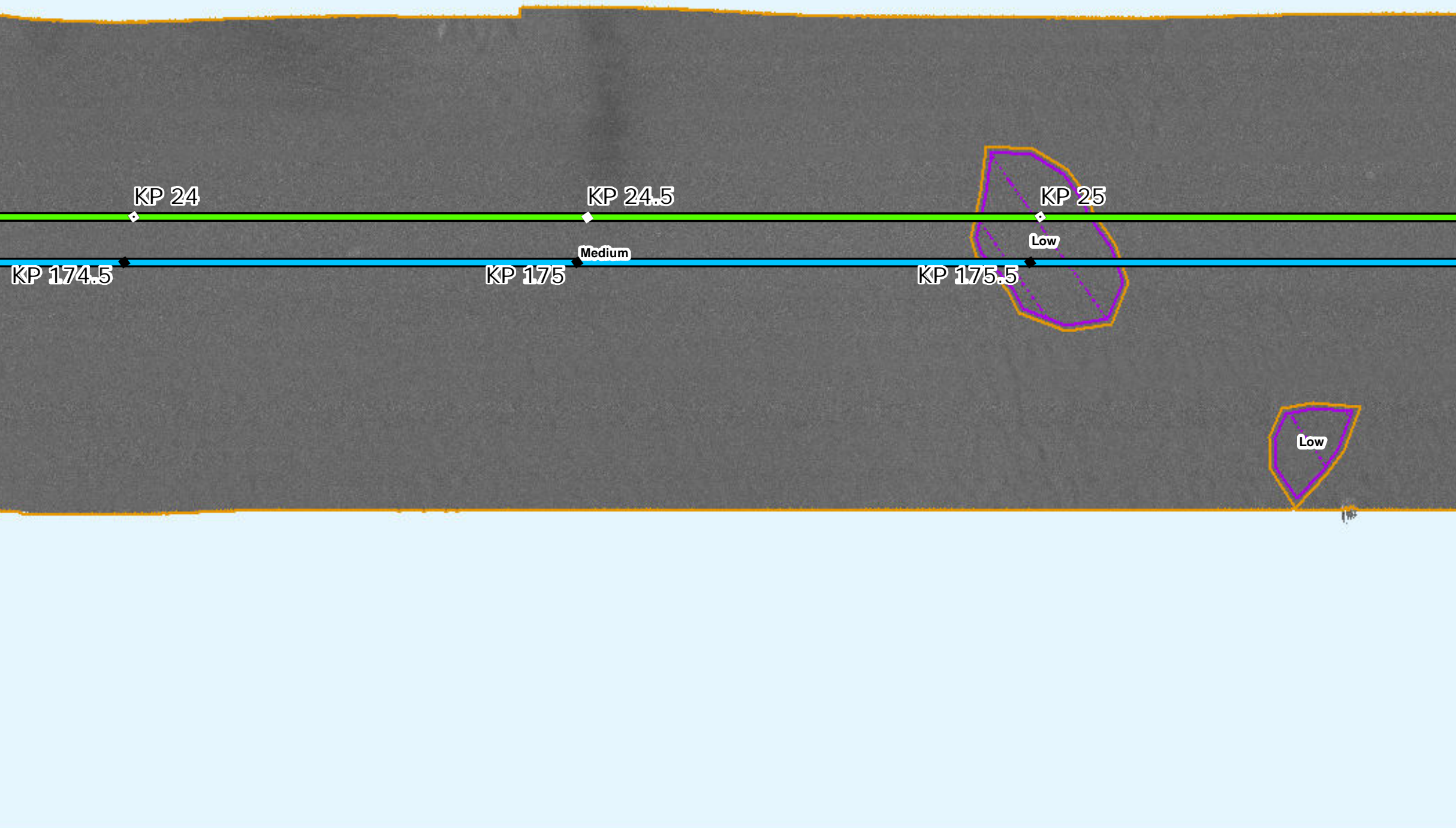
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



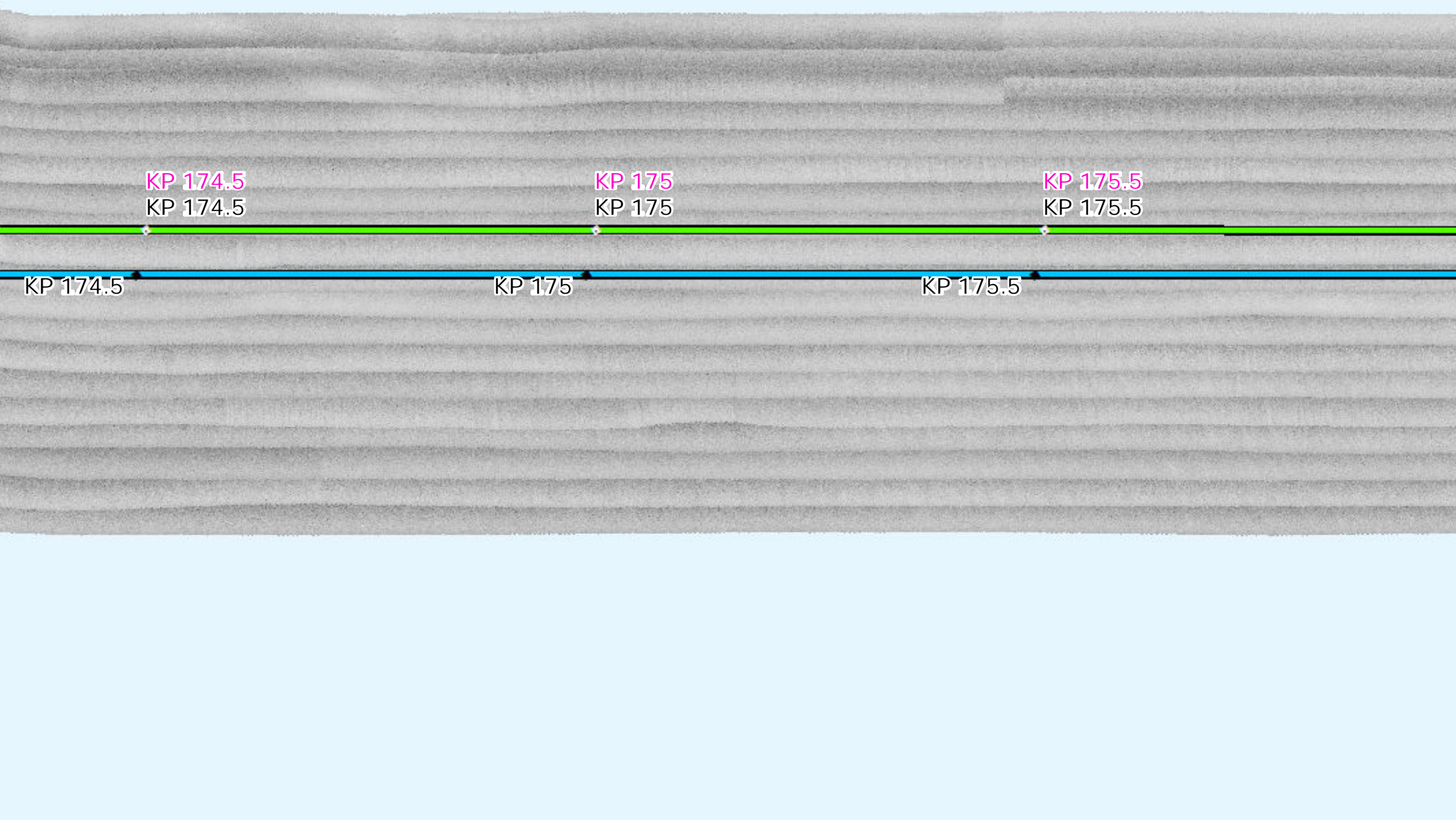
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



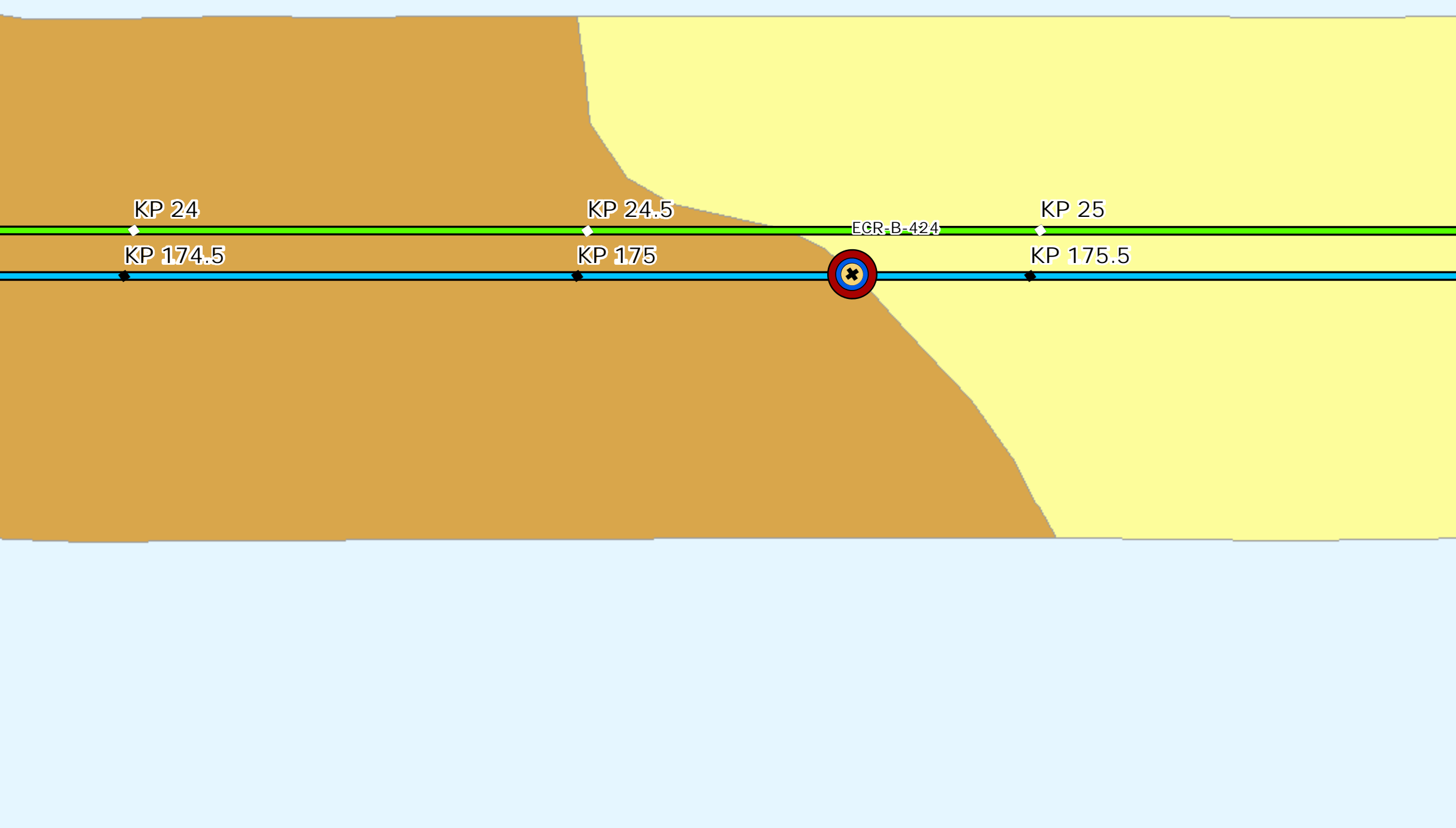
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

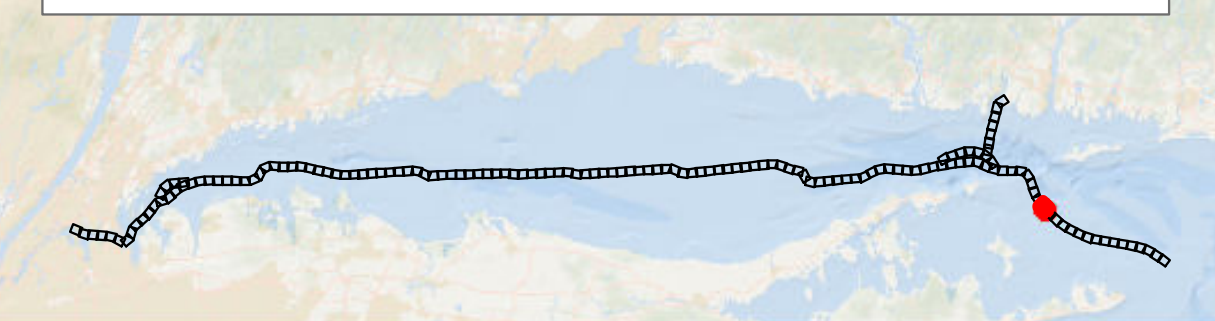


# Interpreted Seabed Sediment/NMFS Habitat Characterization

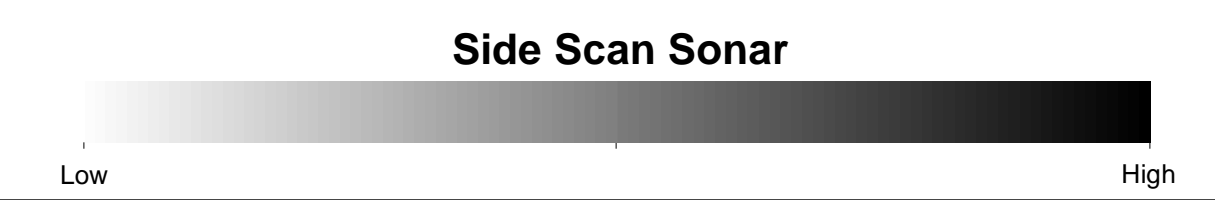
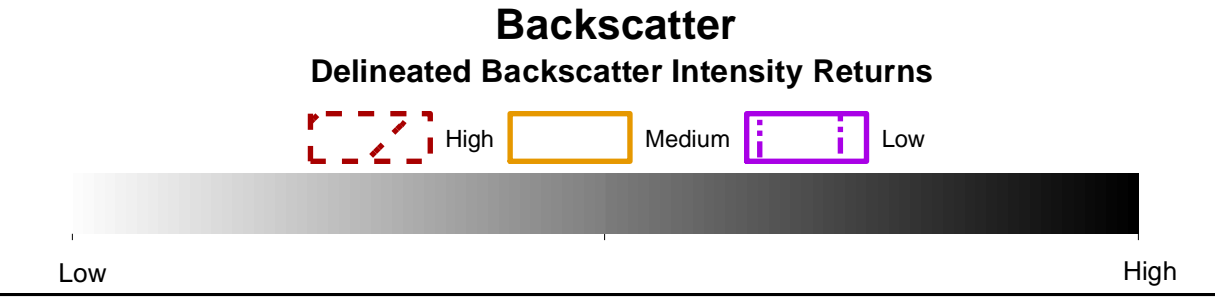
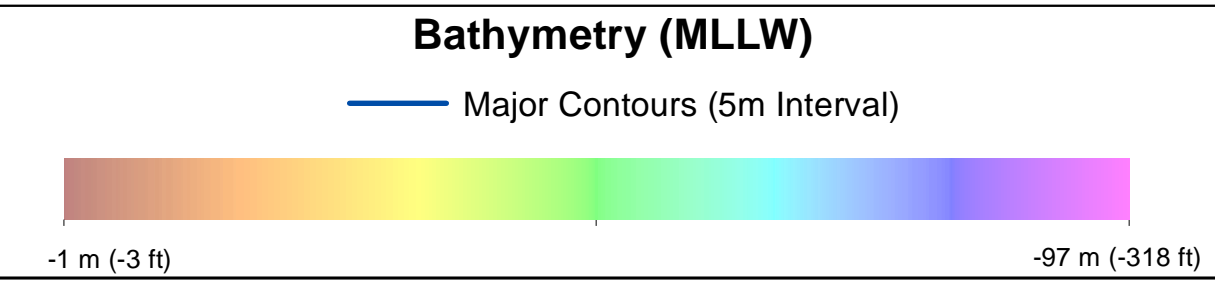
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



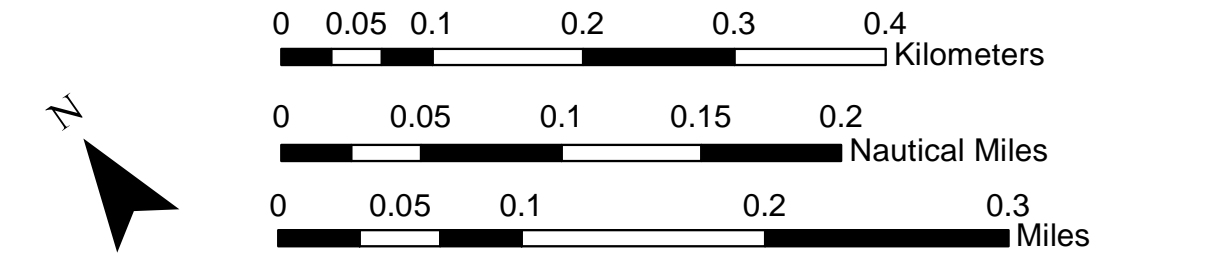
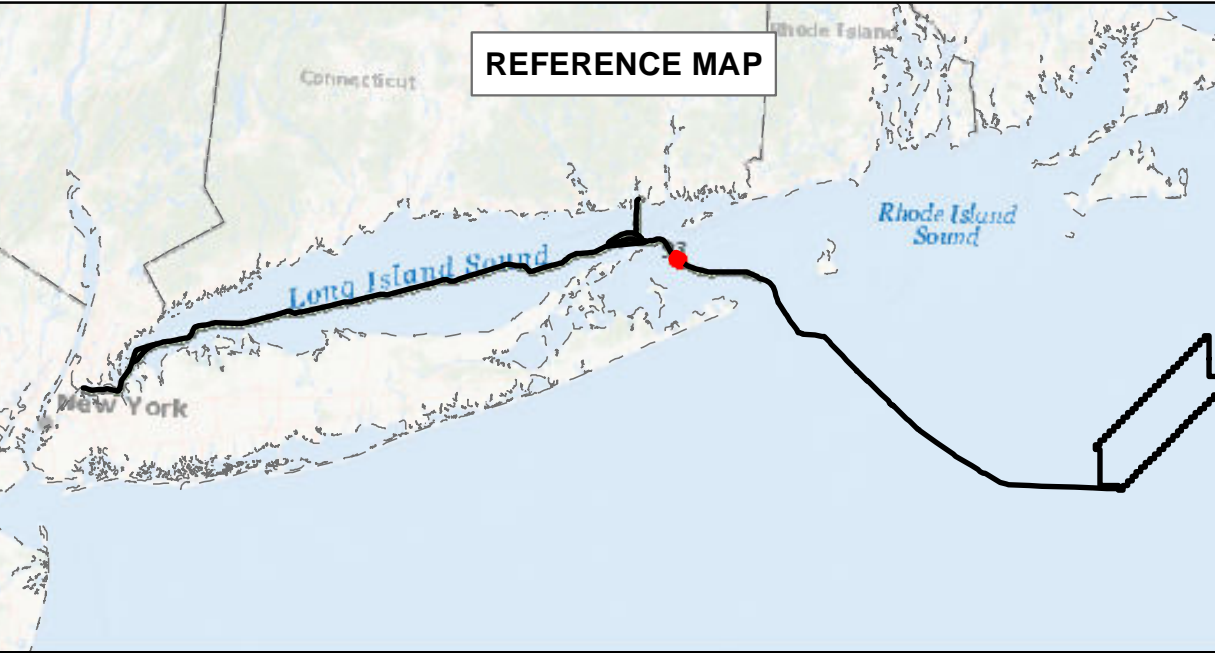
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- Station Type**
- ✚ Grab and Video
- CMECS Biotic**
- Soft Sediment Fauna
- CMECS Substrate**
- Muddy Sand
- CMECS Geoform**
- Flat
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mud and Sandy Mud/Soft Bottom Habitat
  - Sand and Muddy Sand/Soft Bottom Habitat

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

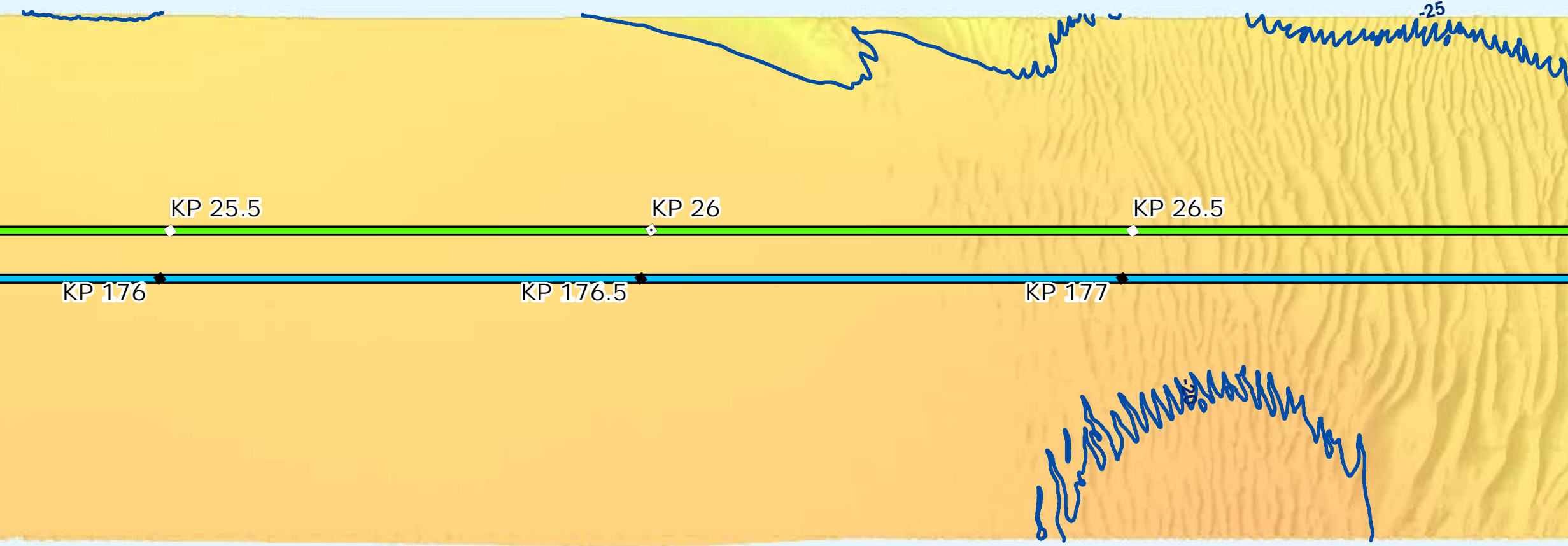
#### Tile 136

BW1 (NY) - KP 174.5 - KP 175.5  
 BW2 (NY) - KP 174.5 - KP 175.5  
 BW2 (CT) - KP 24 - KP 25



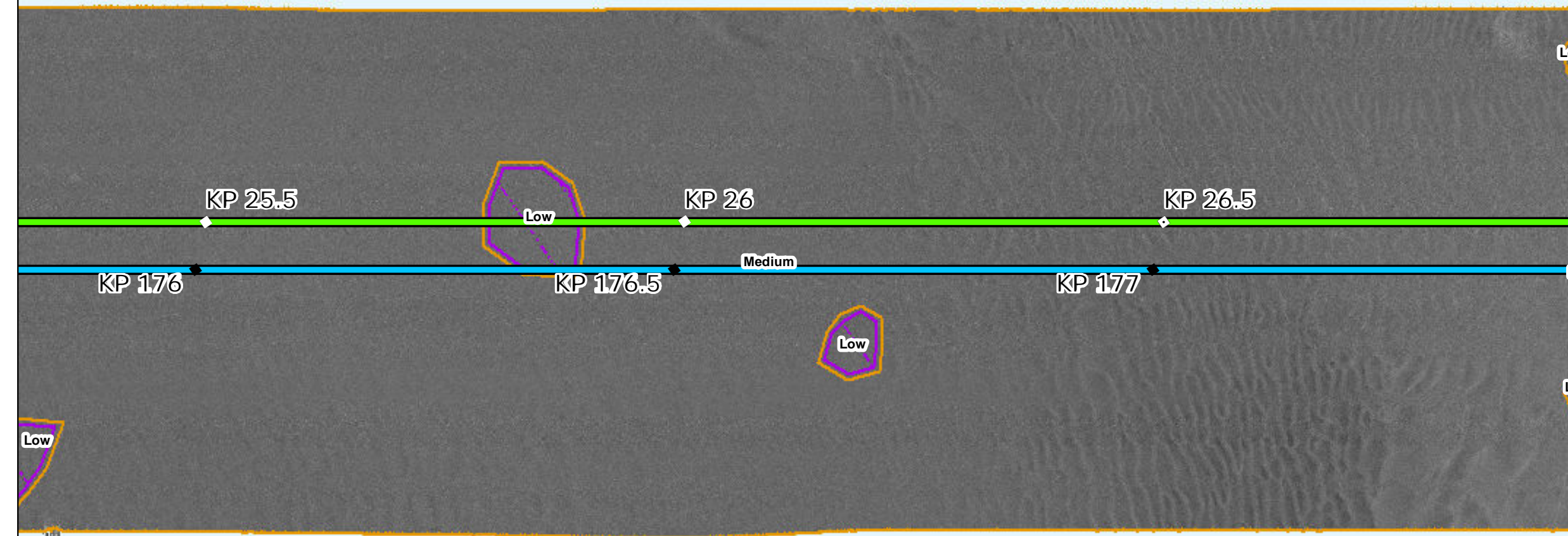
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



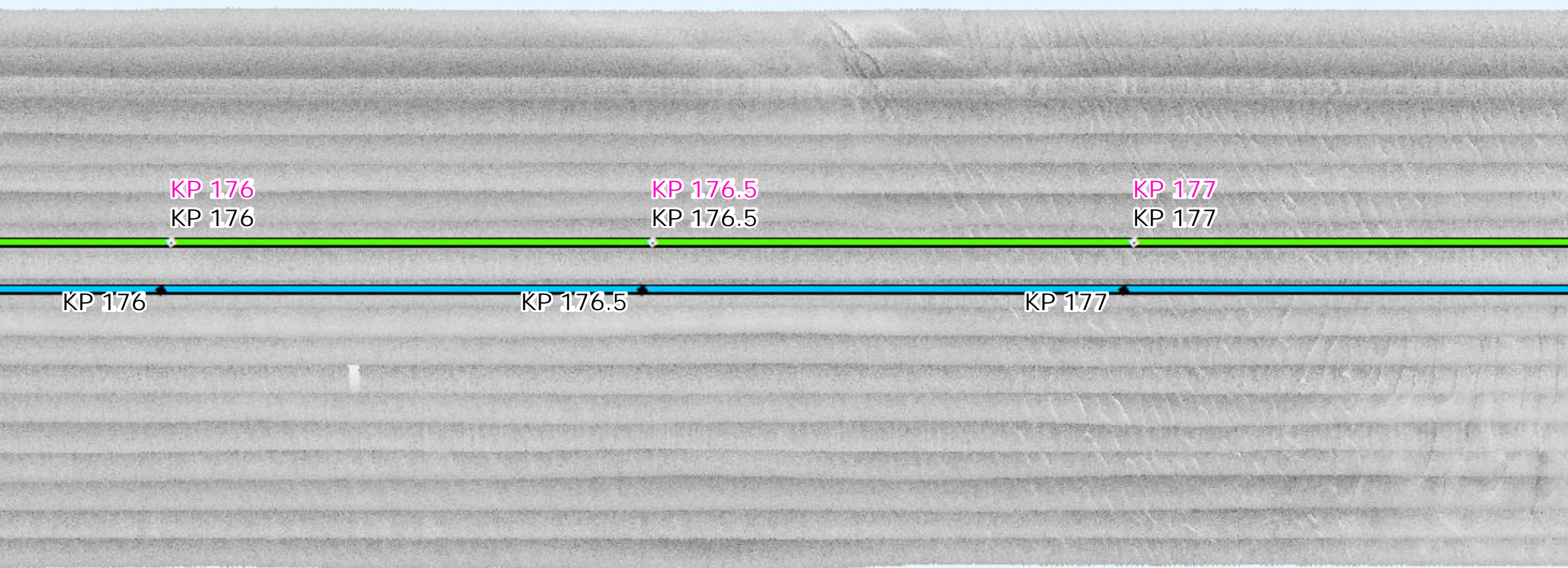
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



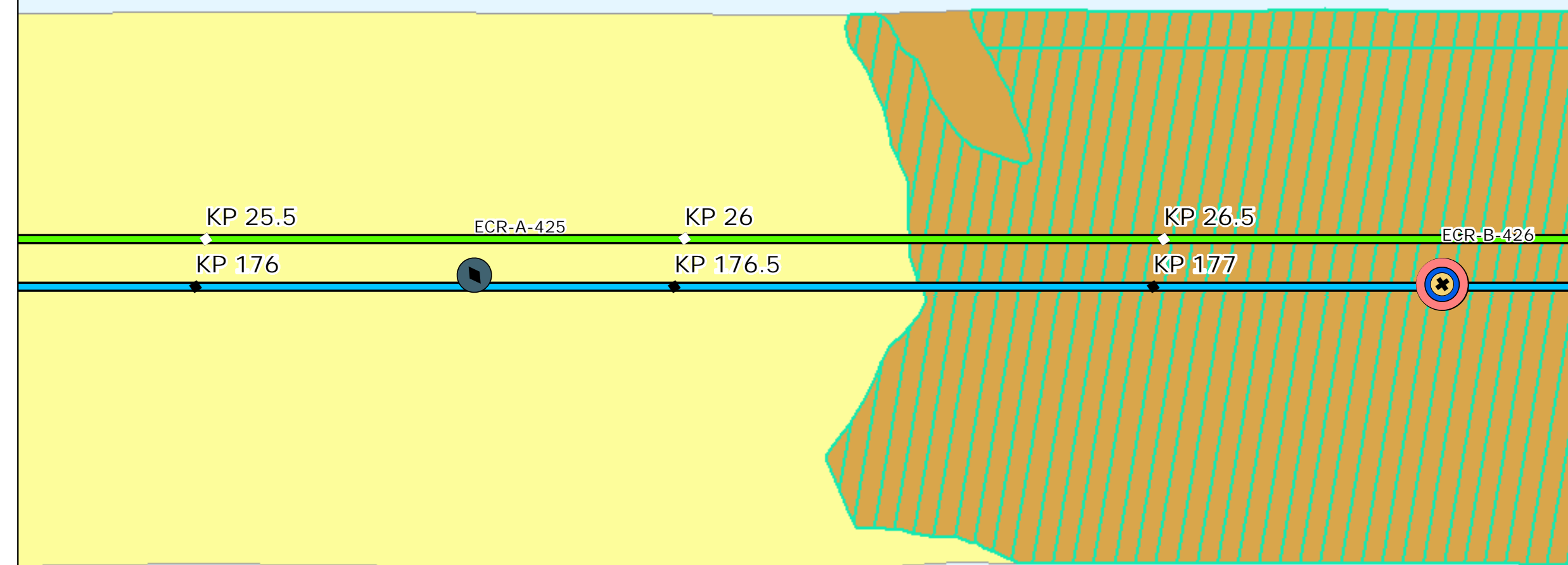
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

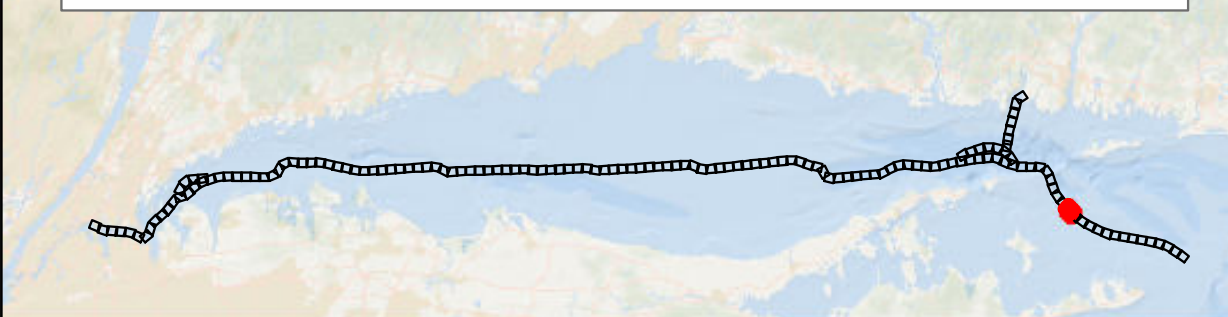


# Interpreted Seabed Sediment/NMFS Habitat Characterization

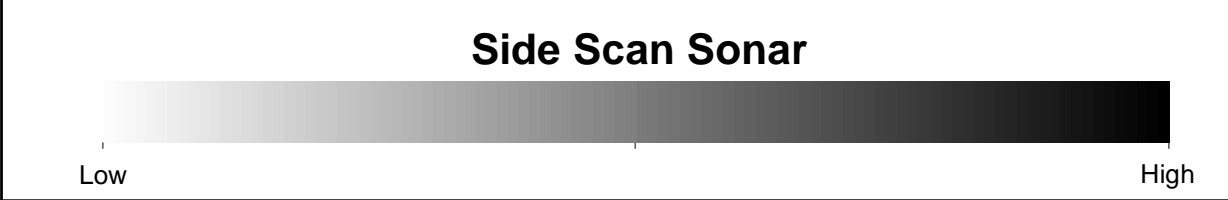
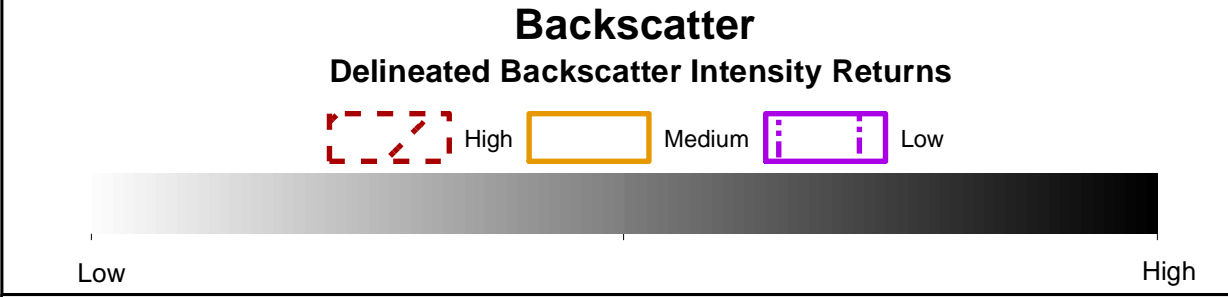
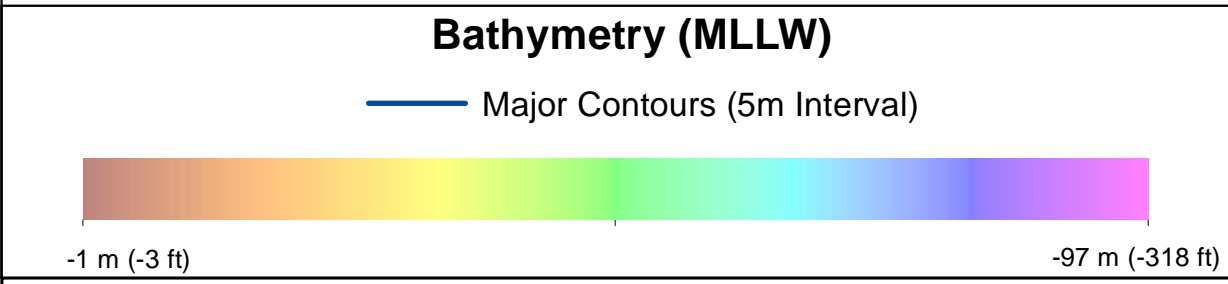
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



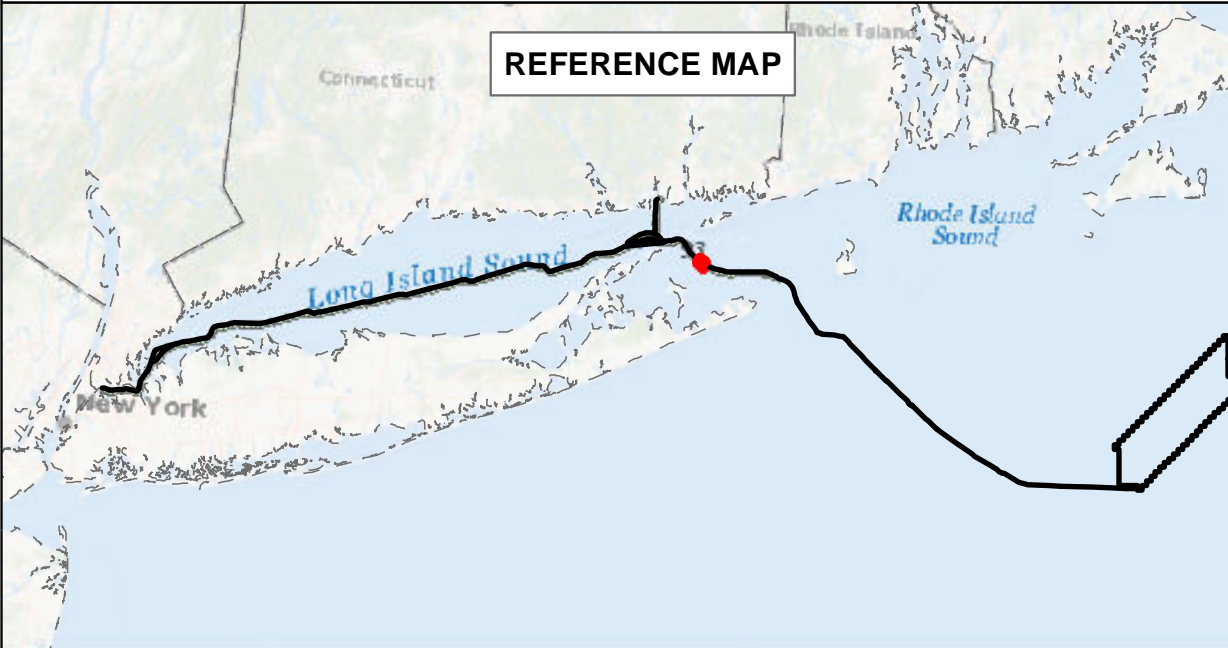
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Muddy Sand            |  |
| ● Sand                  |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ■ Megaripples           |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

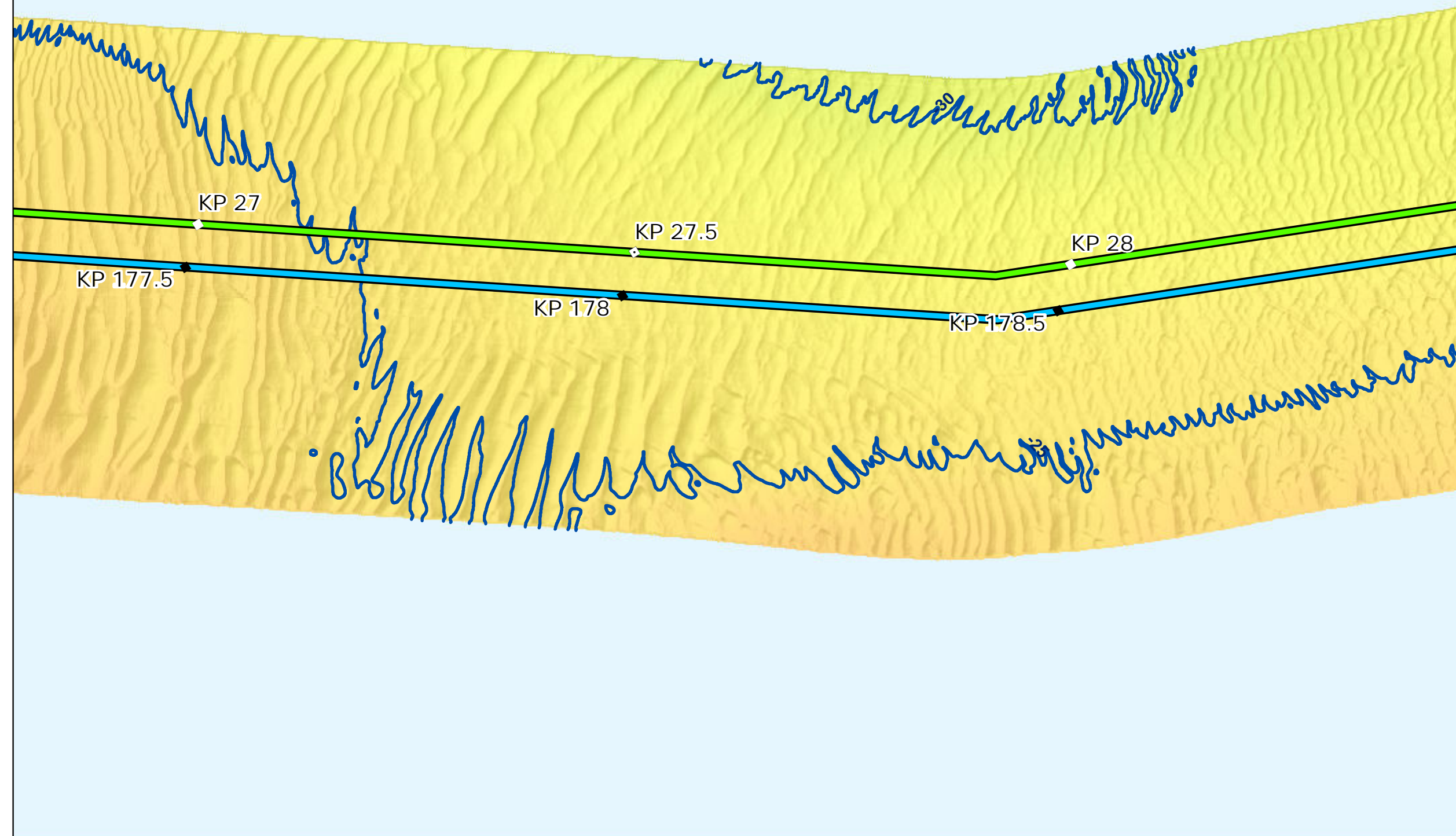
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 137

BW1 (NY) - KP 176 - KP 177  
BW2 (NY) - KP 176 - KP 177  
BW2 (CT) - KP 25.5 - KP 26.5



## Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



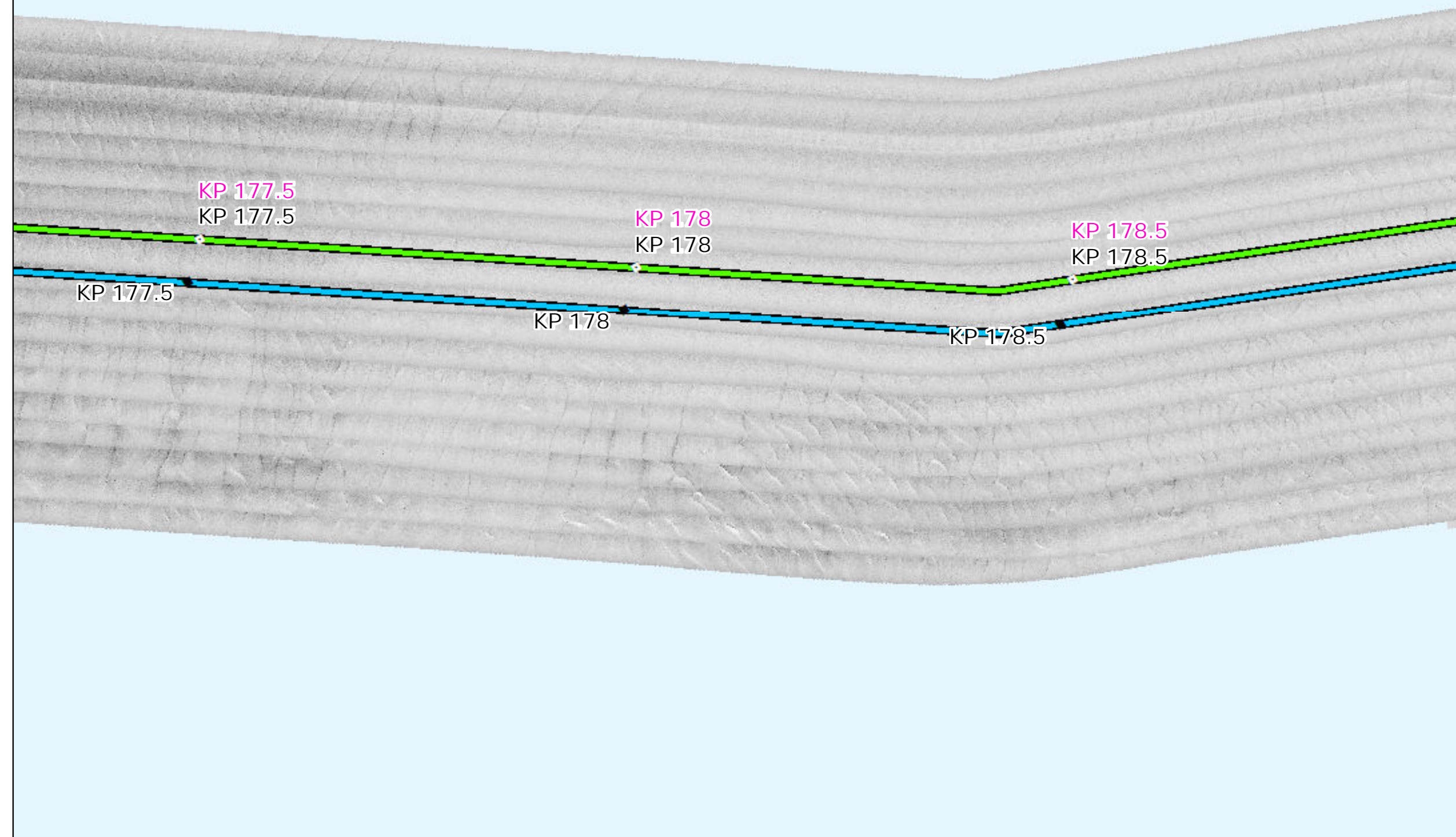
## Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



## Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

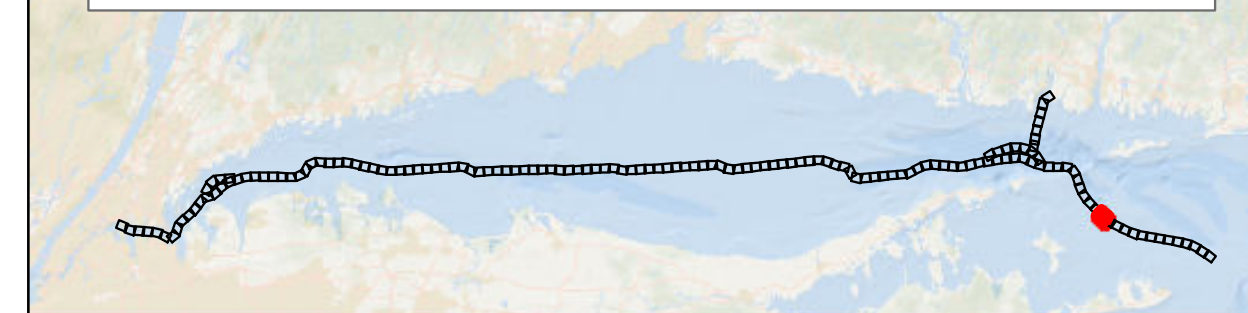


## Interpreted Seabed Sediment/ NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



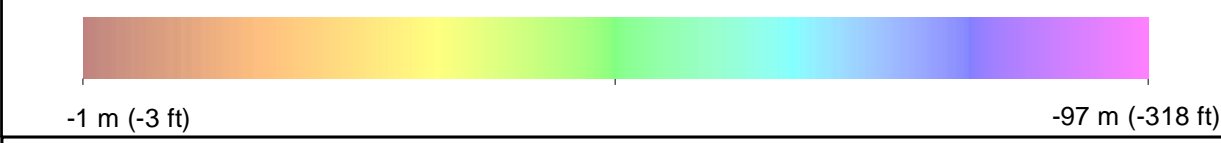
## Map Book Package for Submarine Export Cable Route in State Waters



- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)

### Bathymetry (MLLW)

Major Contours (5m Interval)



### Backscatter

Delineated Backscatter Intensity Returns



### Side Scan Sonar



### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

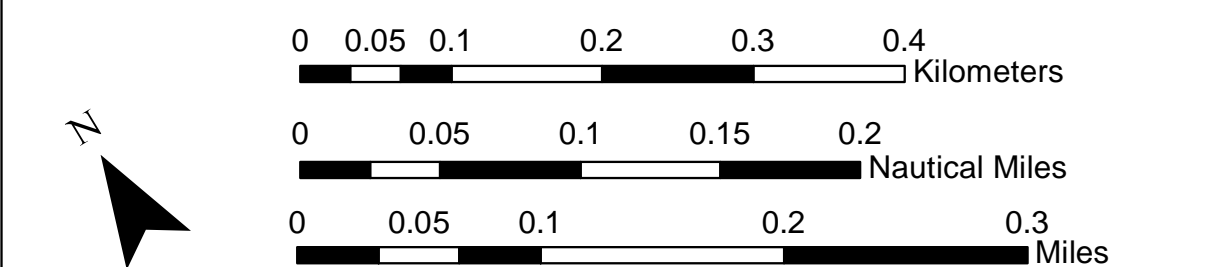
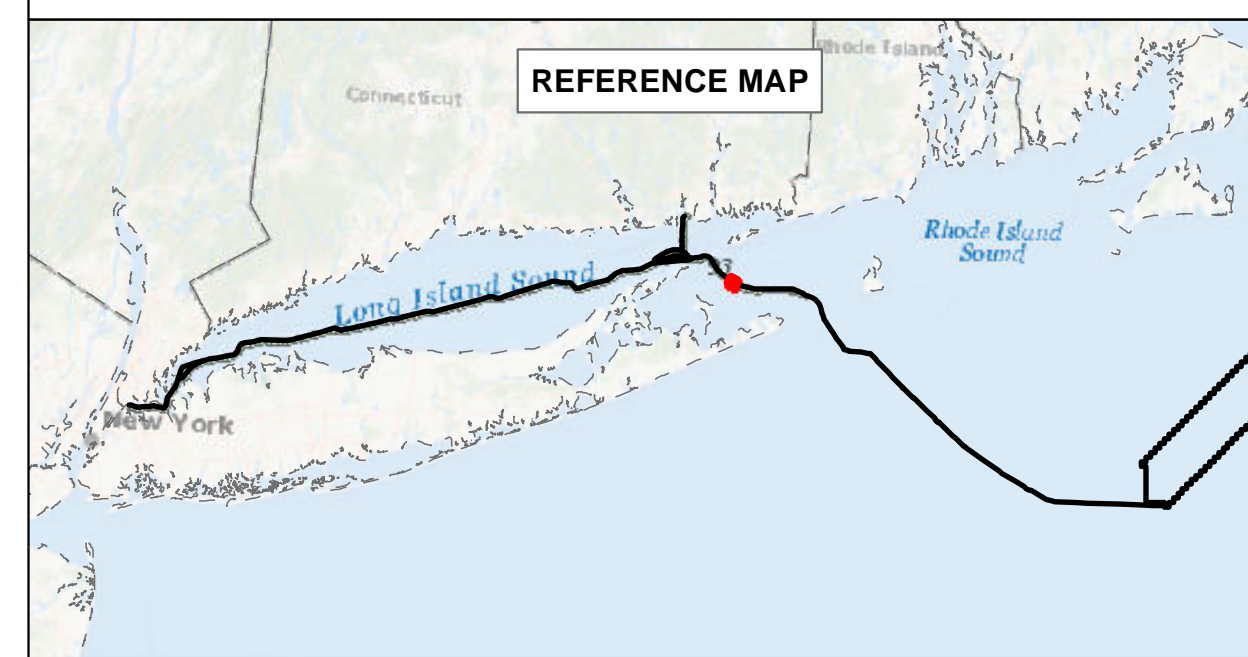
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ◆ SPI/PV                | ■ Mixed Sediment/Complex Habitat                                 |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ● Muddy Sand            |  |
| ● Sand                  |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ■ Megaripples           |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



## BEACON WIND LEASE AREA OCS-A 0520

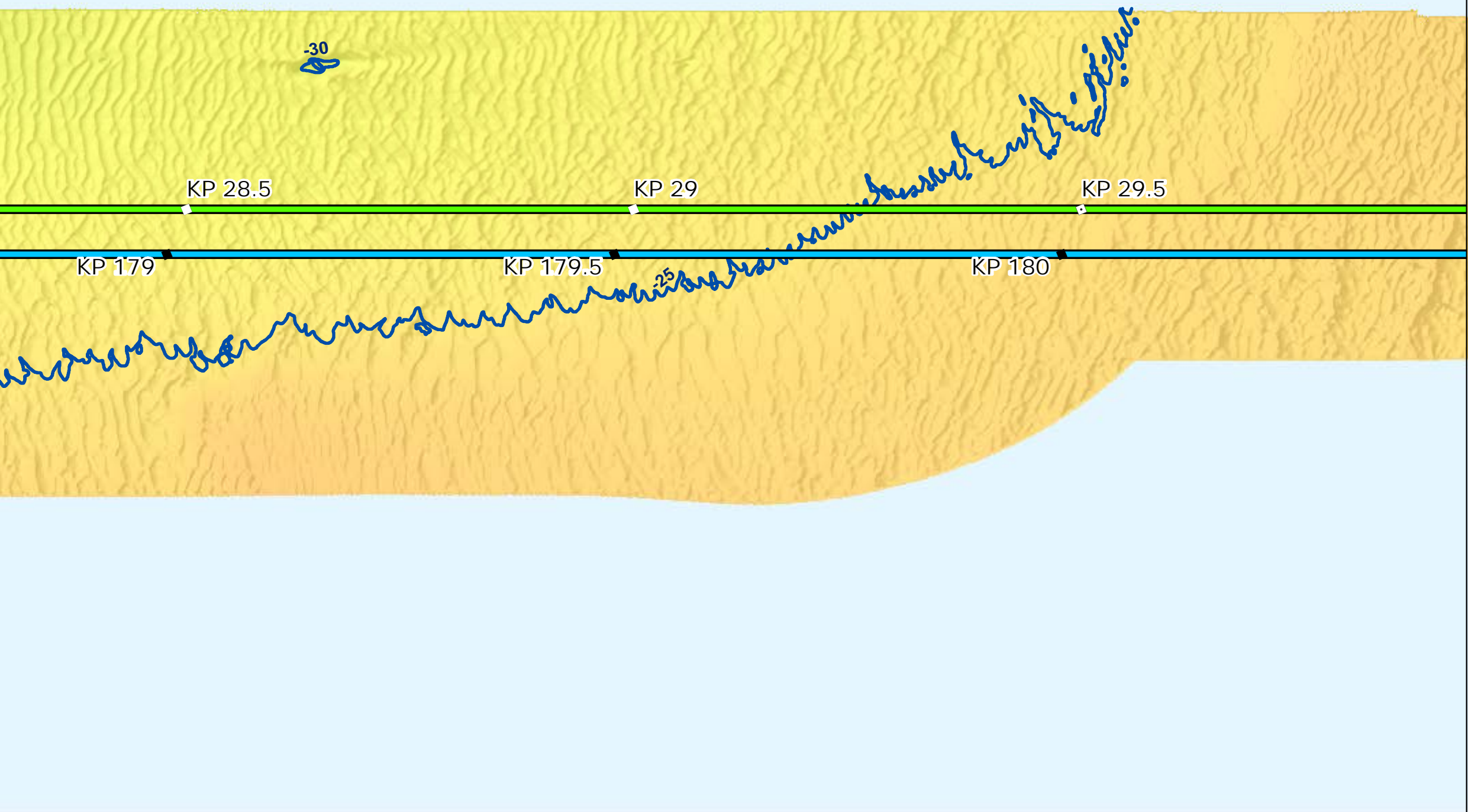
Map Book Package for Submarine Export  
Cable Route in State Waters  
Tile 138

BW1 (NY) - KP 177.5 - KP 178.5  
BW2 (NY) - KP 177.5 - KP 178.5  
BW2 (CT) - KP 27 - KP 28



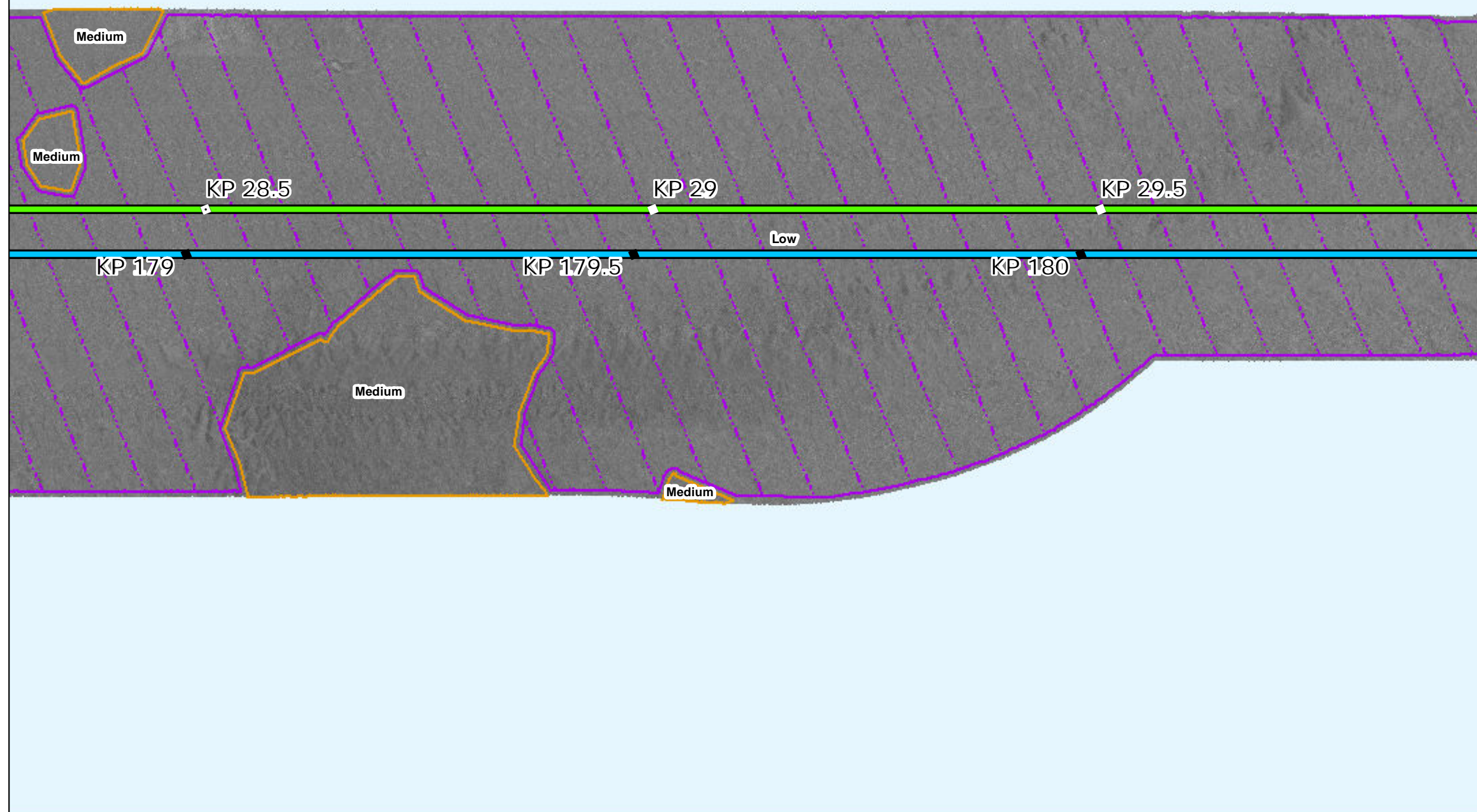
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



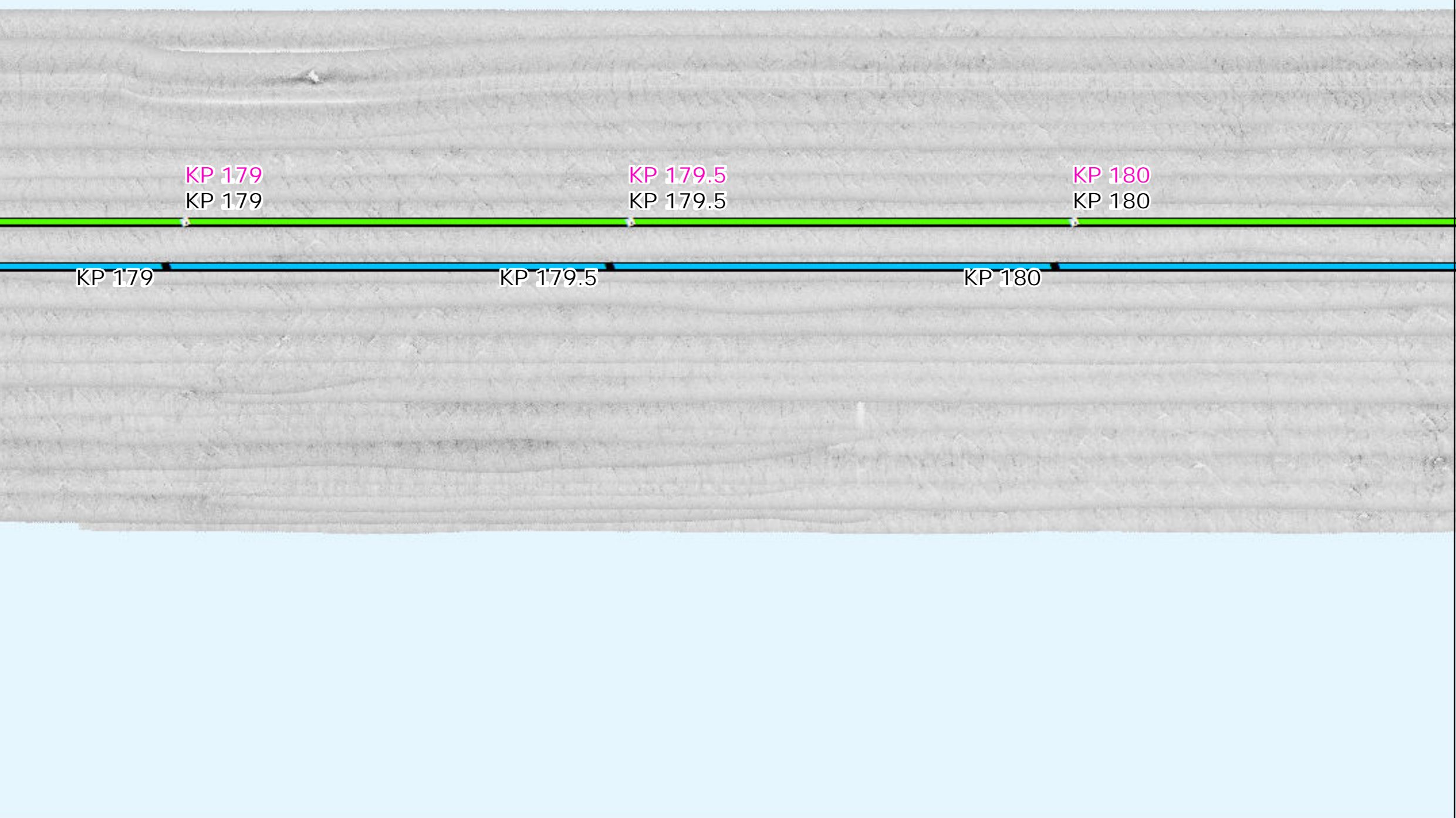
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



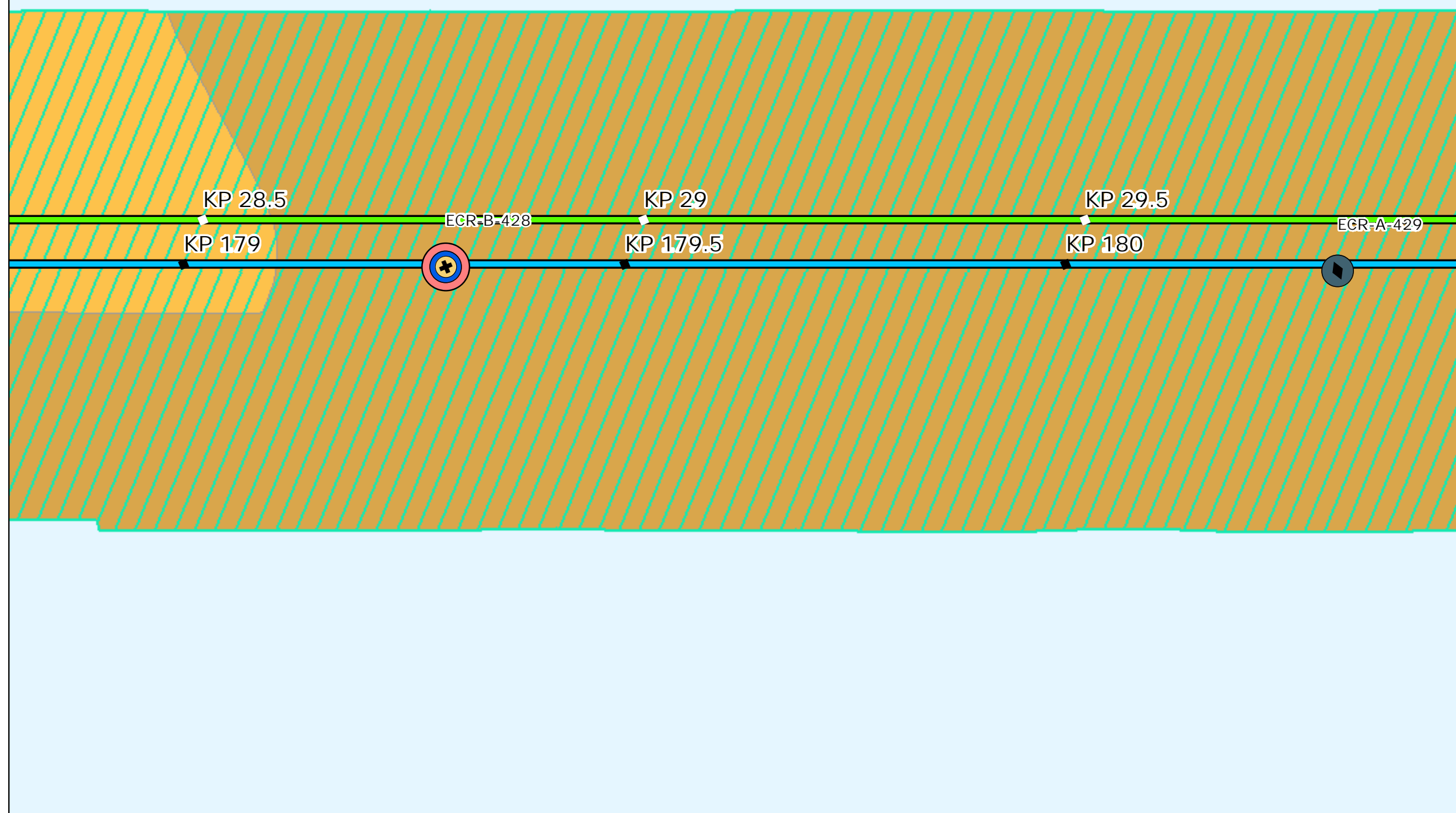
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

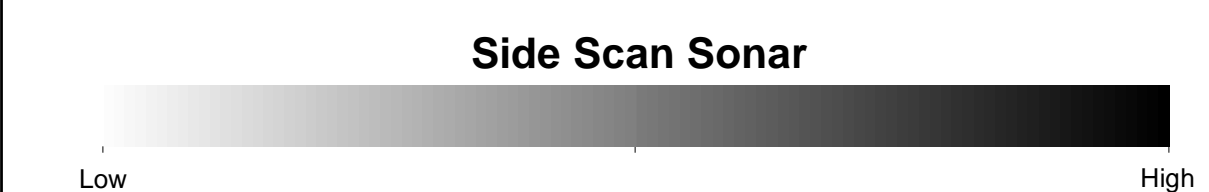
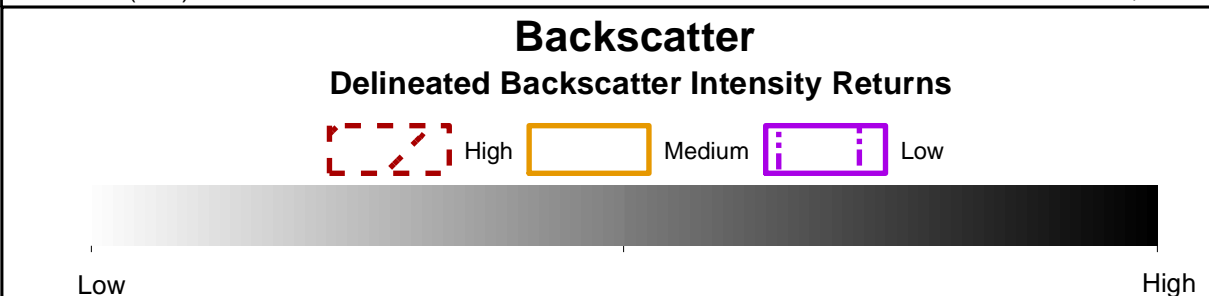
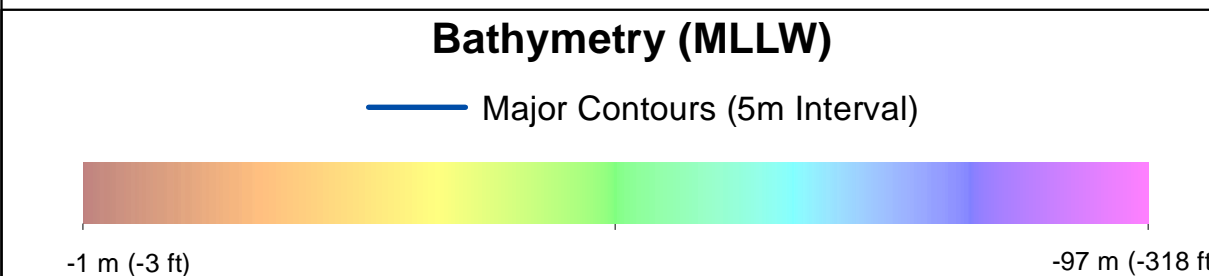


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters

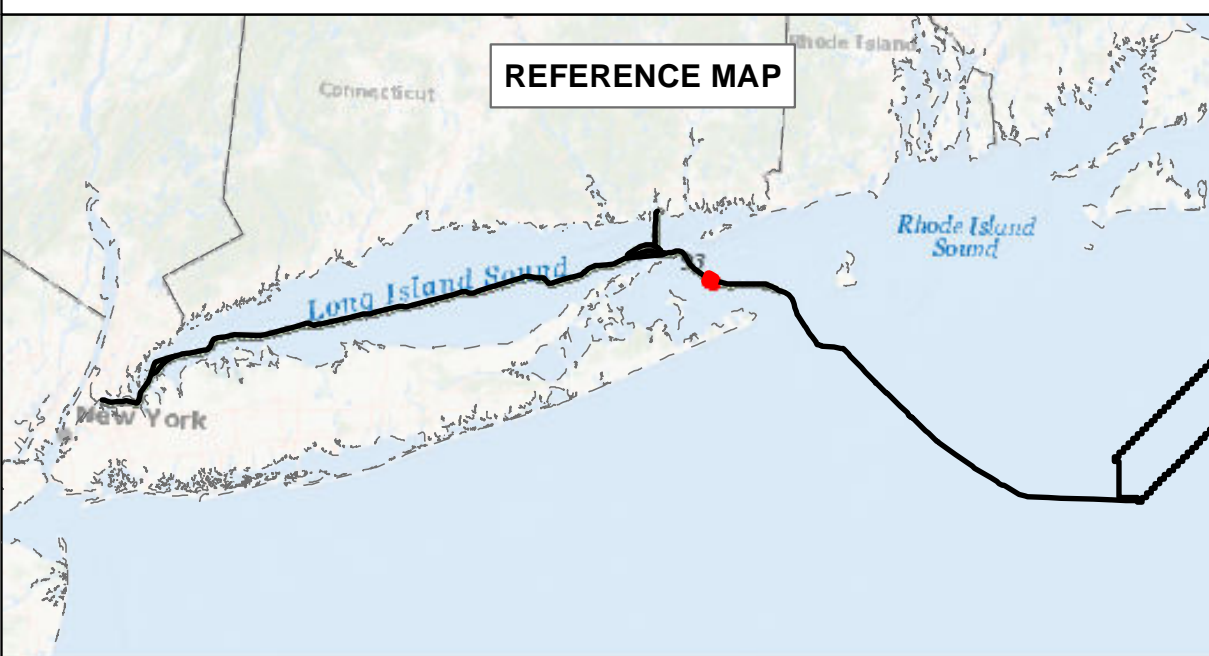


### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

<b>Station Type</b>	<b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b>
✦ Grab and Video	■ Sand and Muddy Sand/Soft Bottom Habitat
◆ SPI/PV	■ Mixed Sediment/Complex Habitat
<b>CMECS Biotic</b>	● Muddy Sand
● Soft Sediment Fauna	● Sand
<b>CMECS Substrate</b>	● Burrows/Bioturbation
● Muddy Sand	
● Sand	
<b>CMECS Geoform</b>	
● Burrows/Bioturbation	
<b>Benthic Features</b>	
■ Megaripples	

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

### Map Book Package for Submarine Export Cable Route in State Waters

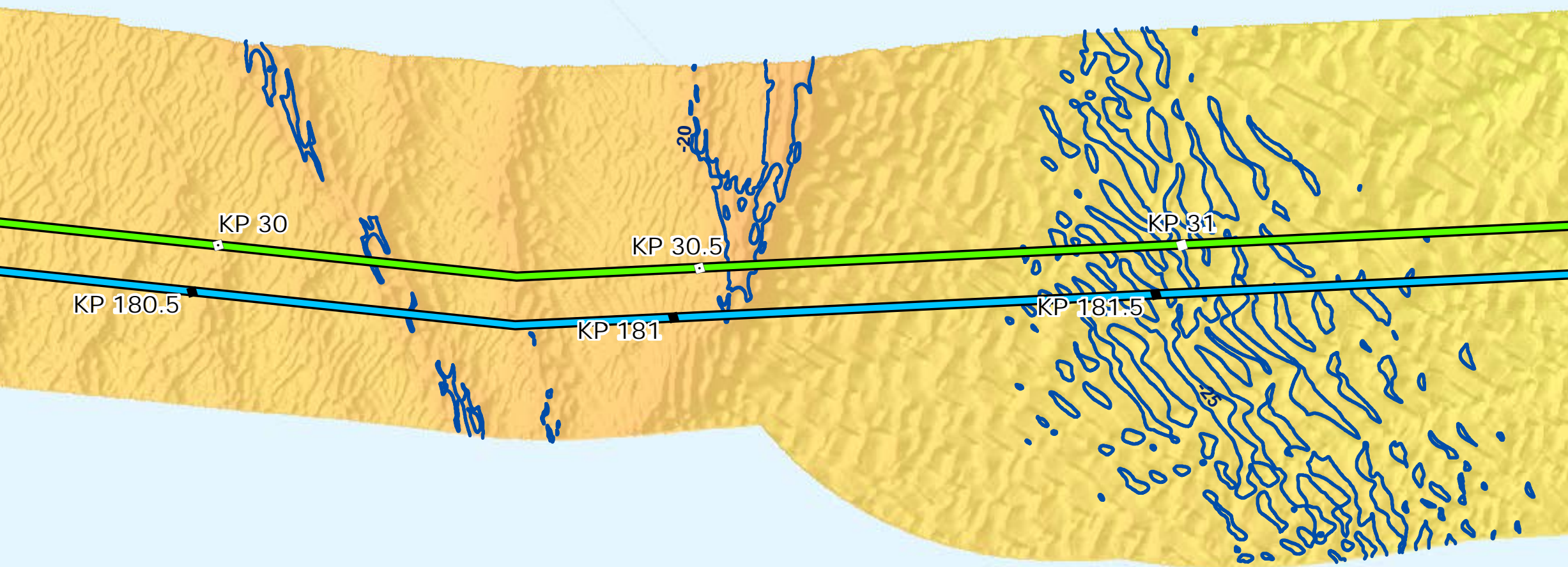
#### Tile 139

BW1 (NY) - KP 179 - KP 180  
BW2 (NY) - KP 179 - KP 180  
BW2 (CT) - KP 28.5 - KP 29.5



### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



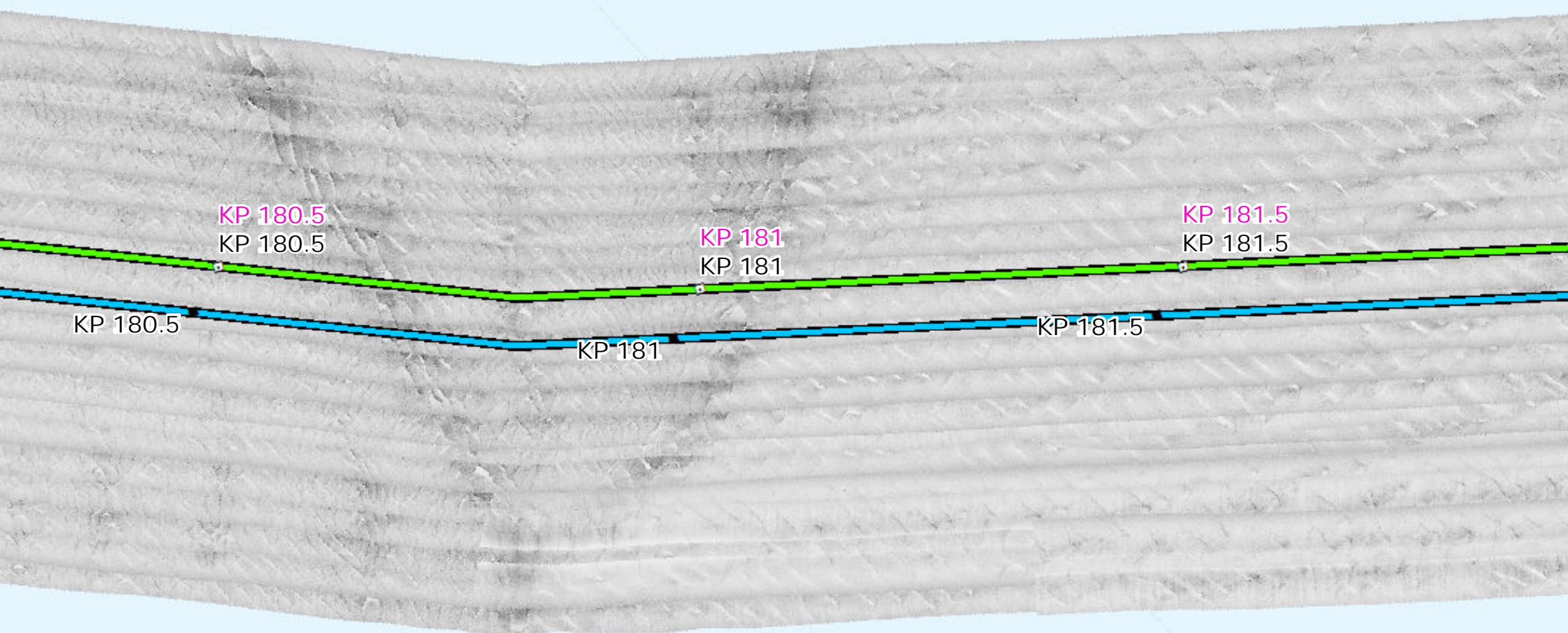
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



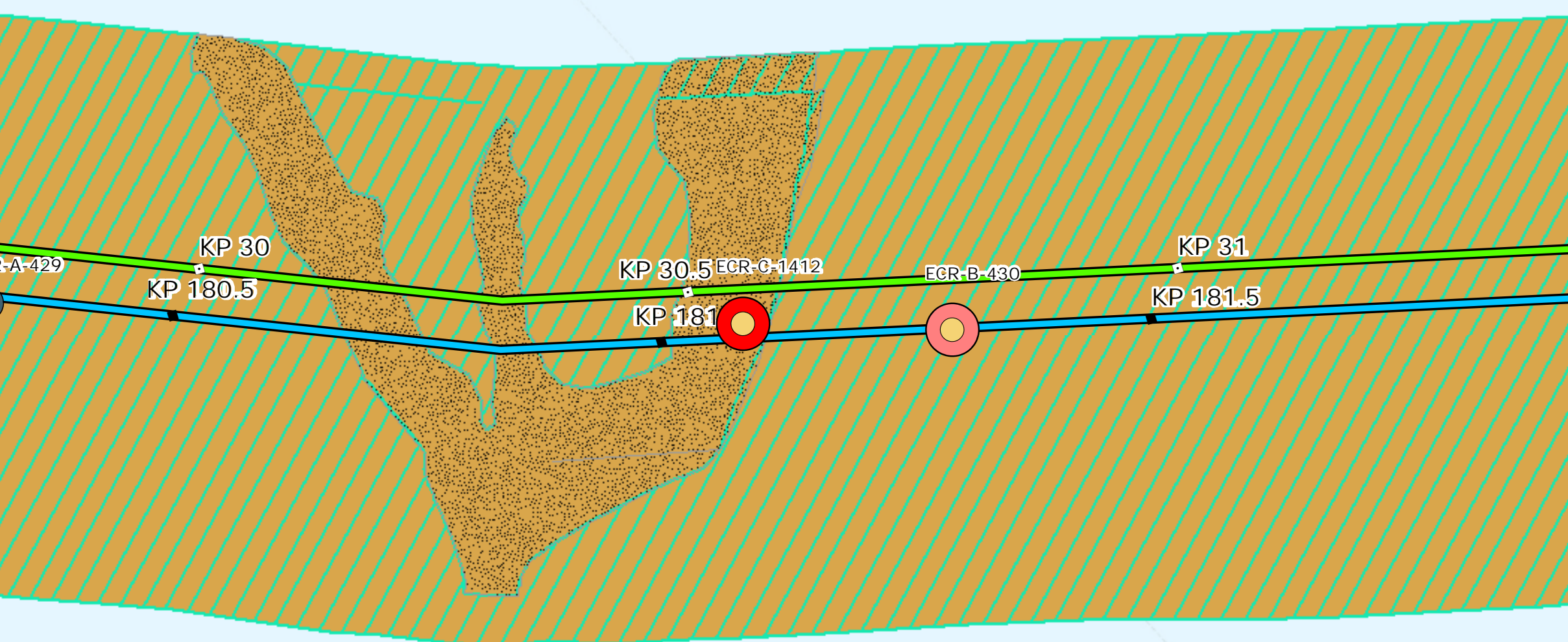
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

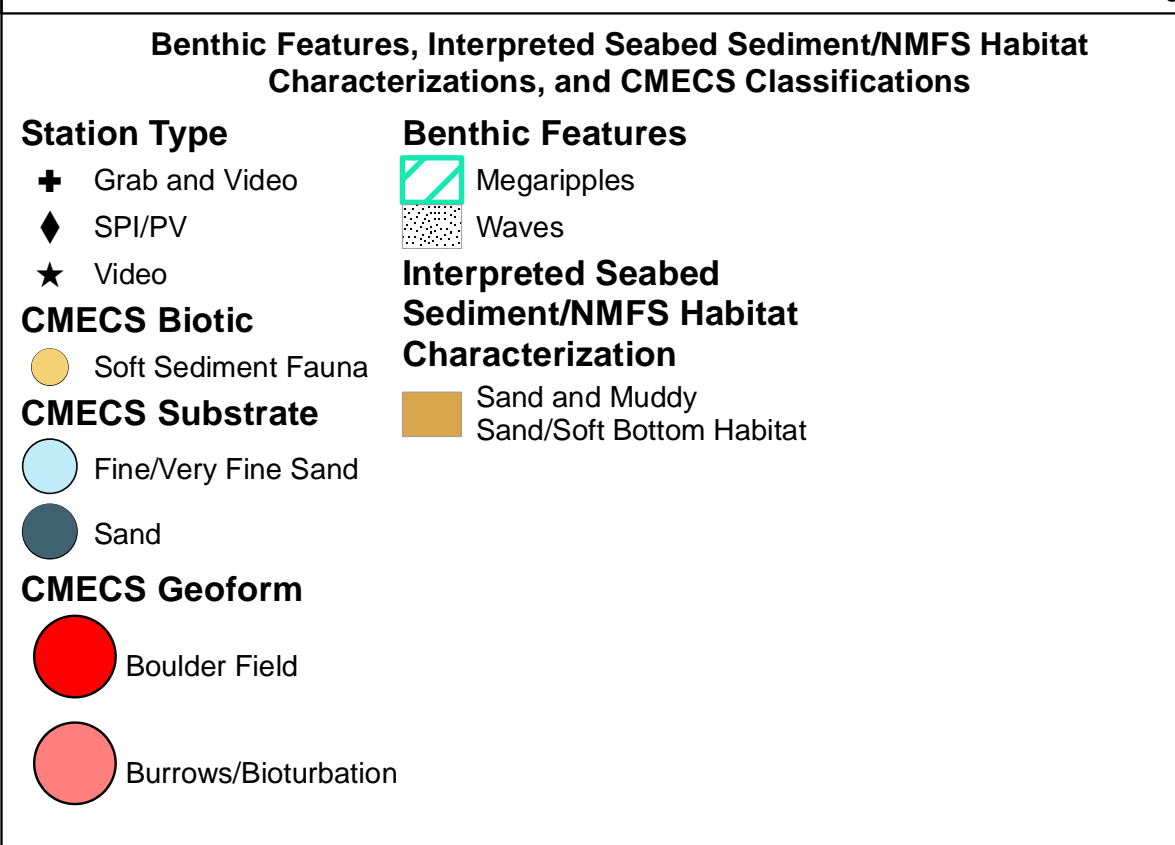
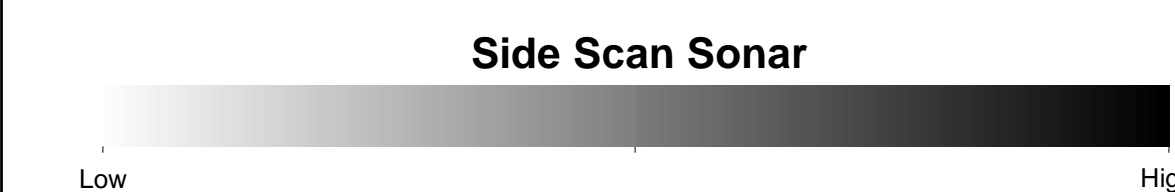
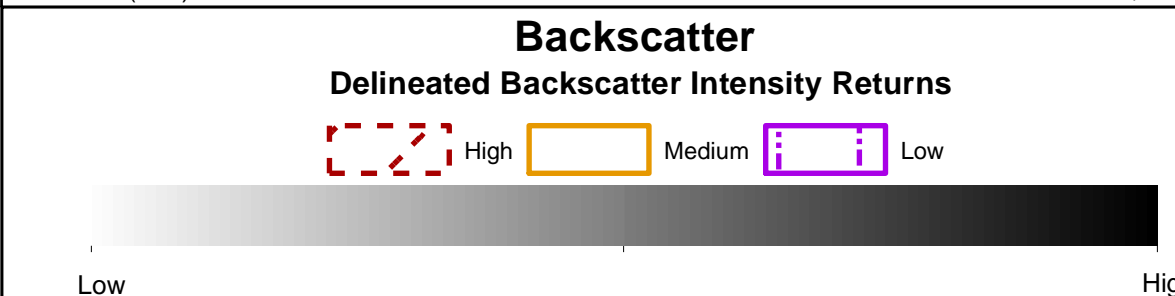
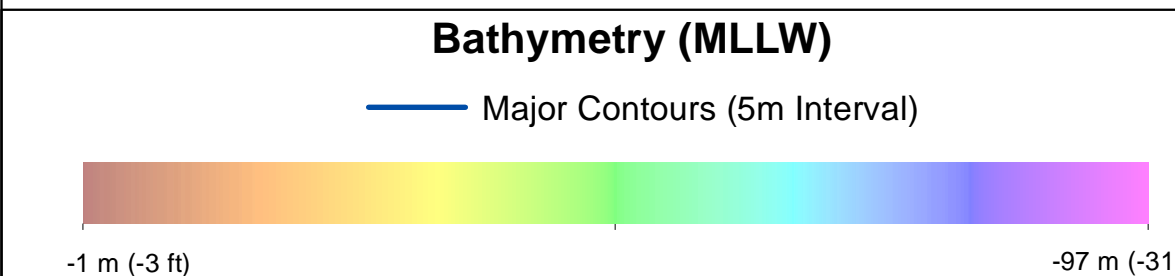


### Interpreted Seabed Sediment/NMFS Habitat Characterization

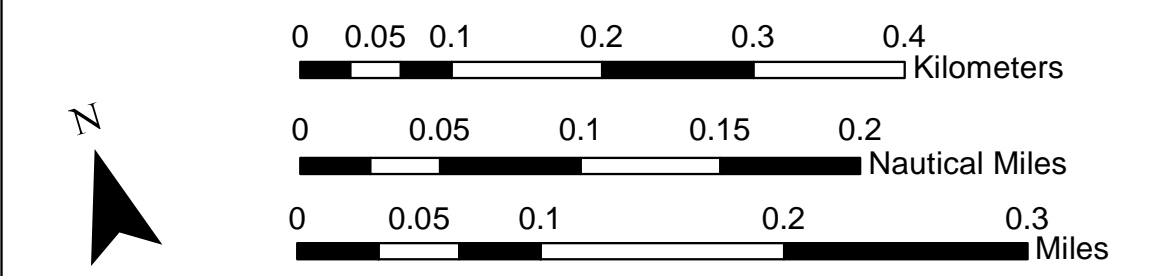
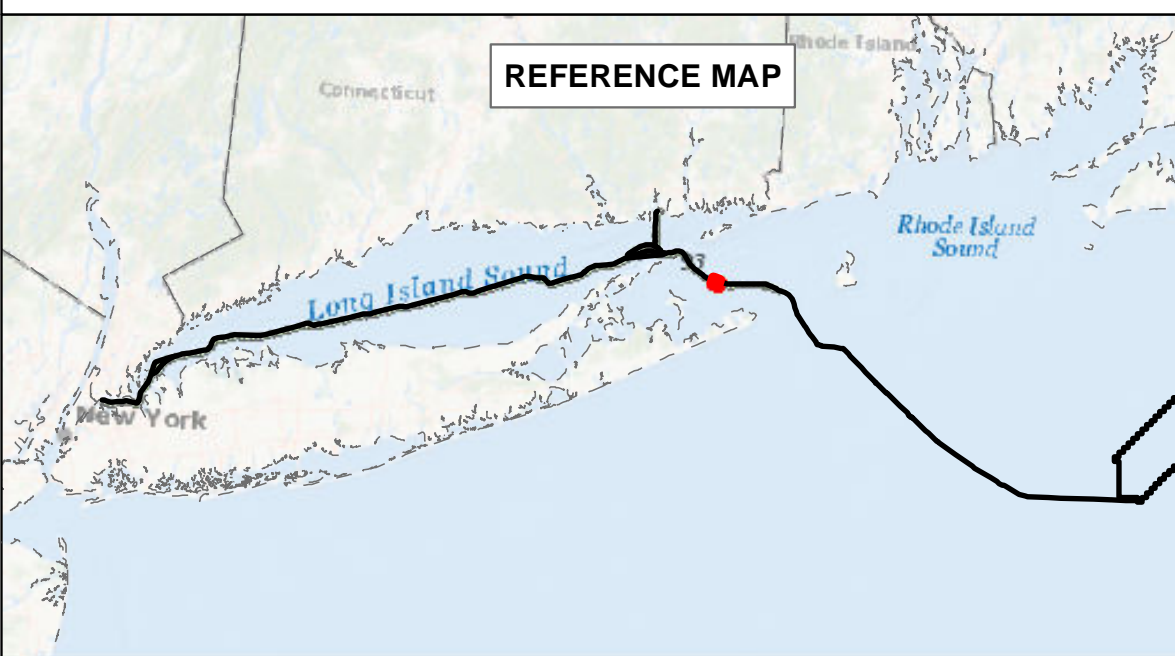
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

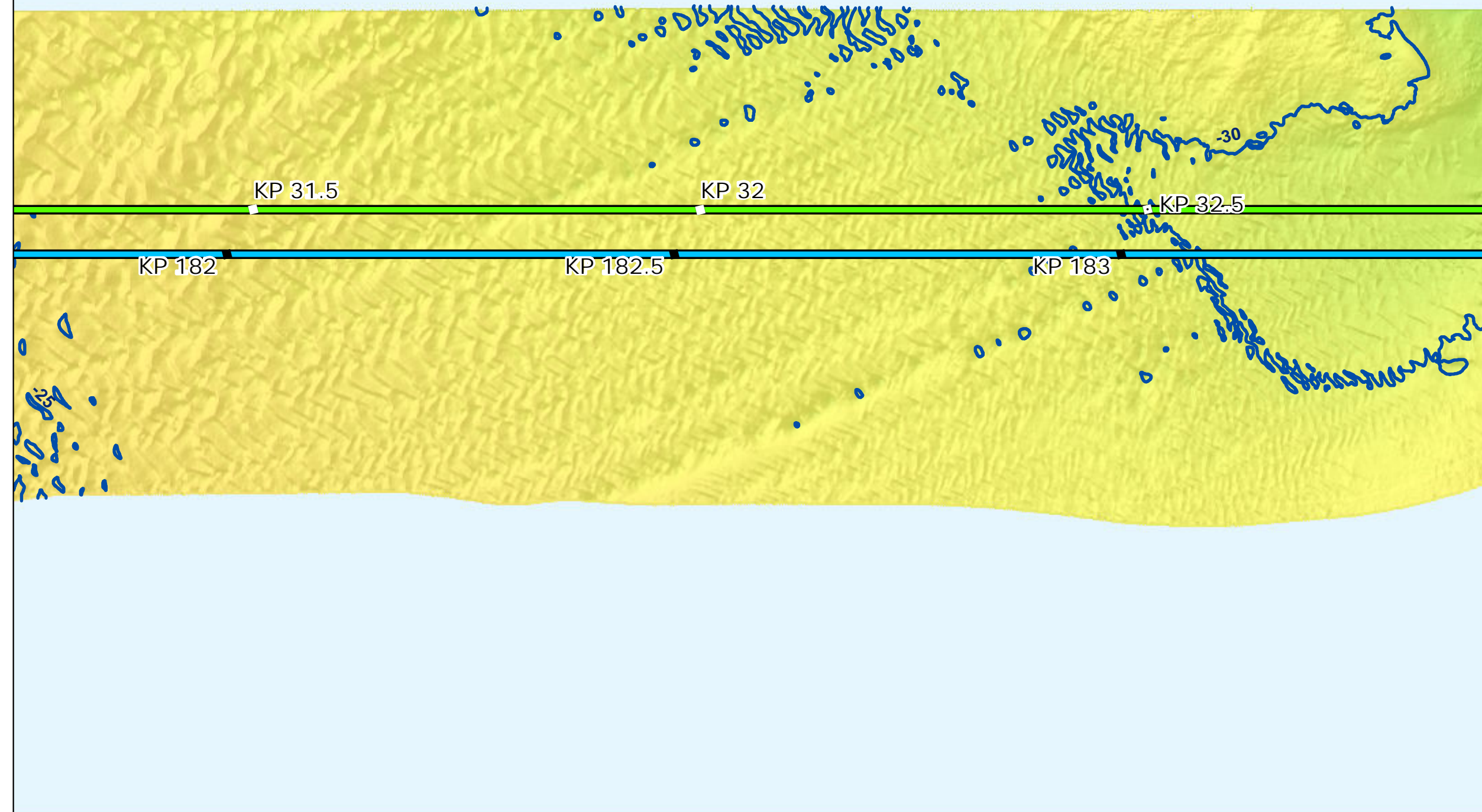
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 140

BW1 (NY) - KP 180.5 - KP 181.5  
BW2 (NY) - KP 180.5 - KP 181.5  
BW2 (CT) - KP 30 - KP 31



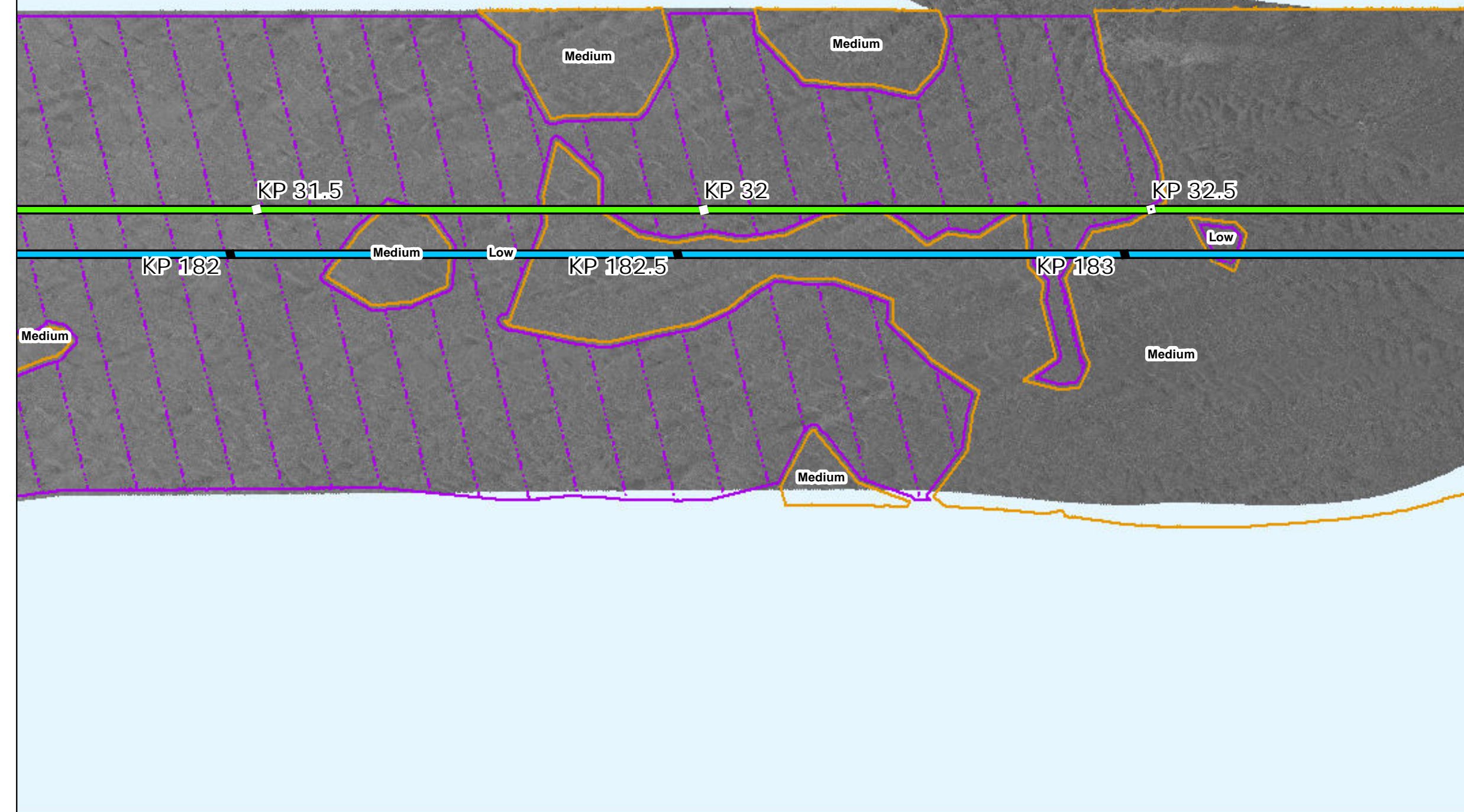
### Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



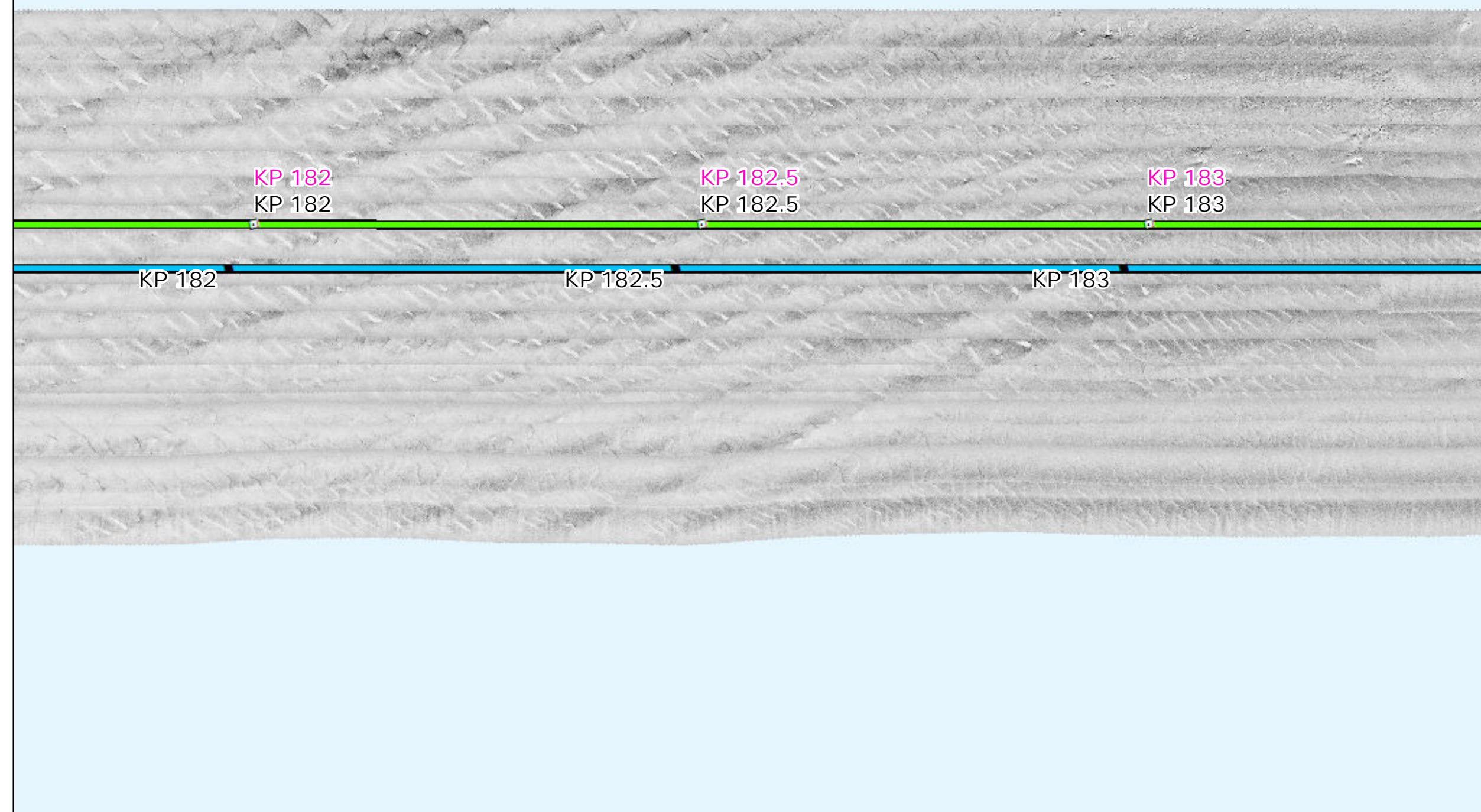
### Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



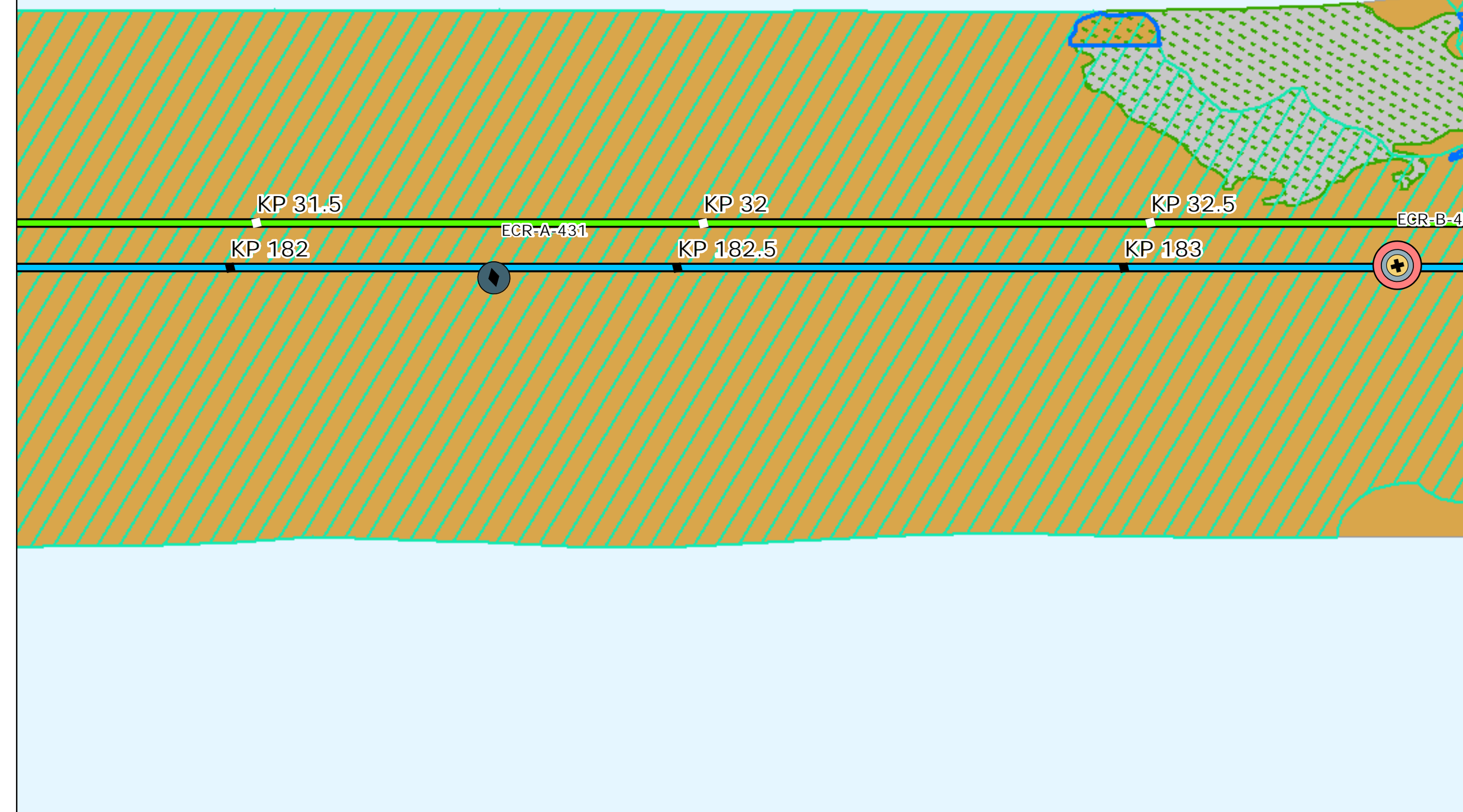
### Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



### Interpreted Seabed Sediment/NMFS Habitat Characterization

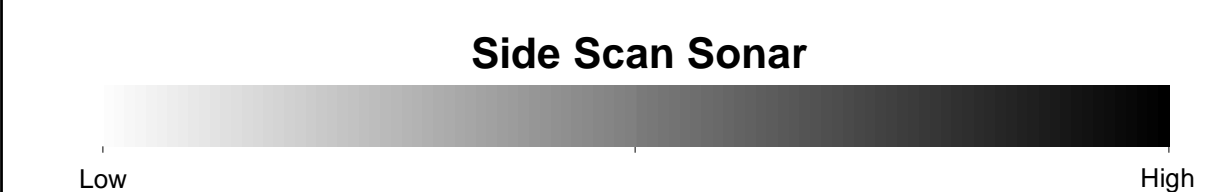
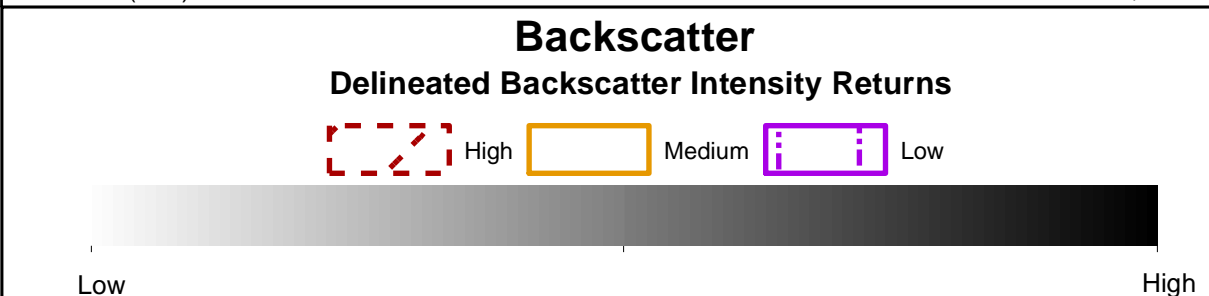
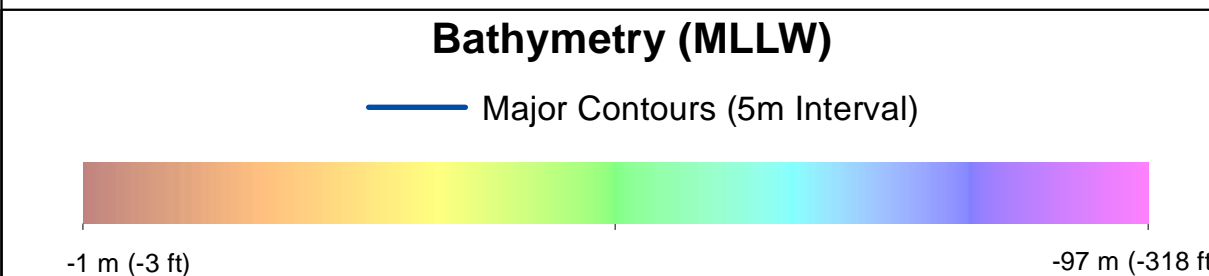
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



### Map Book Package for Submarine Export Cable Route in State Waters



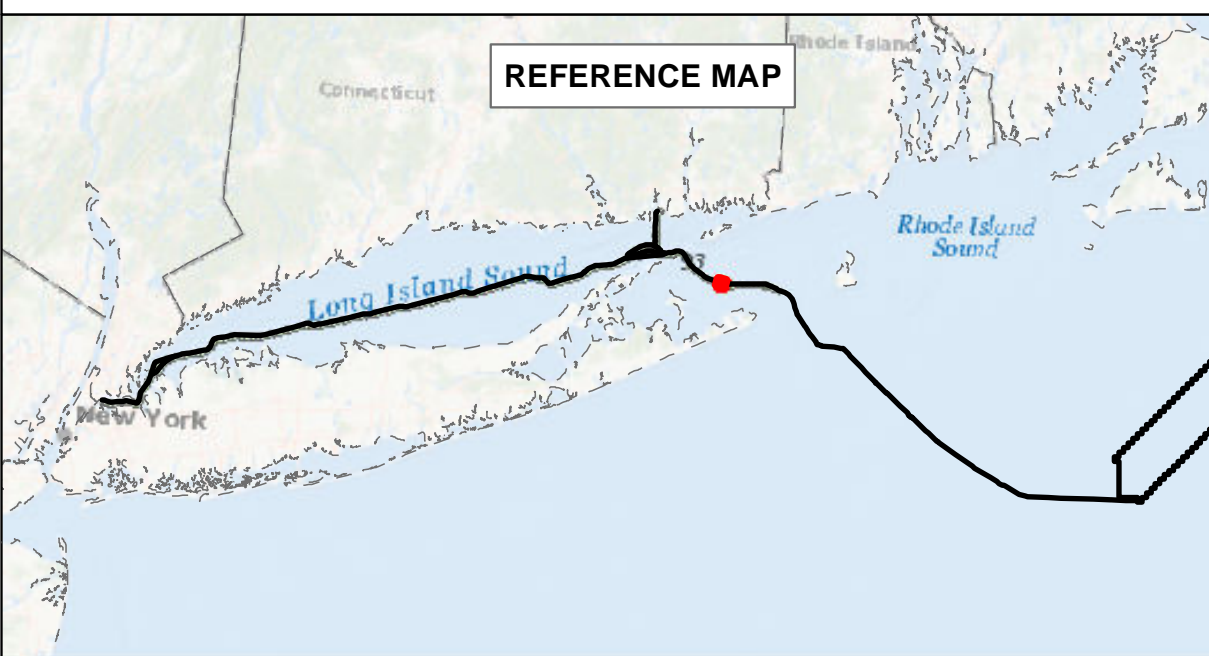
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- #### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |   |
|---|---|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV<br><b>CMECS Biotic</b><br>● Soft Sediment Fauna<br><b>CMECS Substrate</b><br>● Gravelly Sand<br>● Sand<br><b>CMECS Geoform</b><br>● Burrows/Bioturbation<br>○ Northern Star Coral | <b>Benthic Features</b><br>□ Megaripples<br><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>■ Sand and Muddy Sand/Soft Bottom Habitat<br>■ Till/Complex Habitat<br>■ Numerous Boulders/Large Grained Complex Habitat<br>■ Heterogeneous Complex Habitat |
|---|---|

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

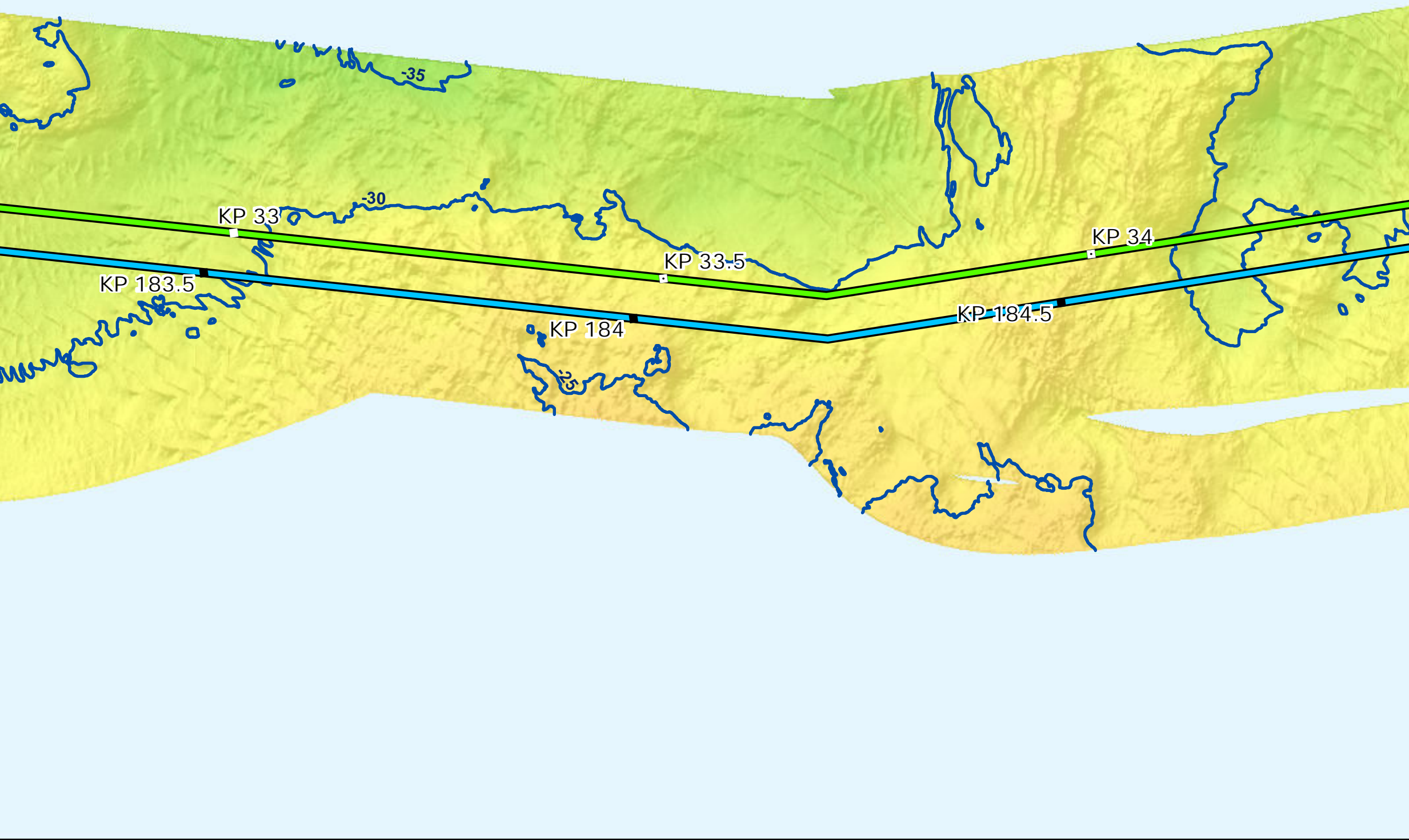
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 141

BW1 (NY) - KP 182 - KP 183  
 BW2 (NY) - KP 182 - KP 183  
 BW2 (CT) - KP 31.5 - KP 32.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



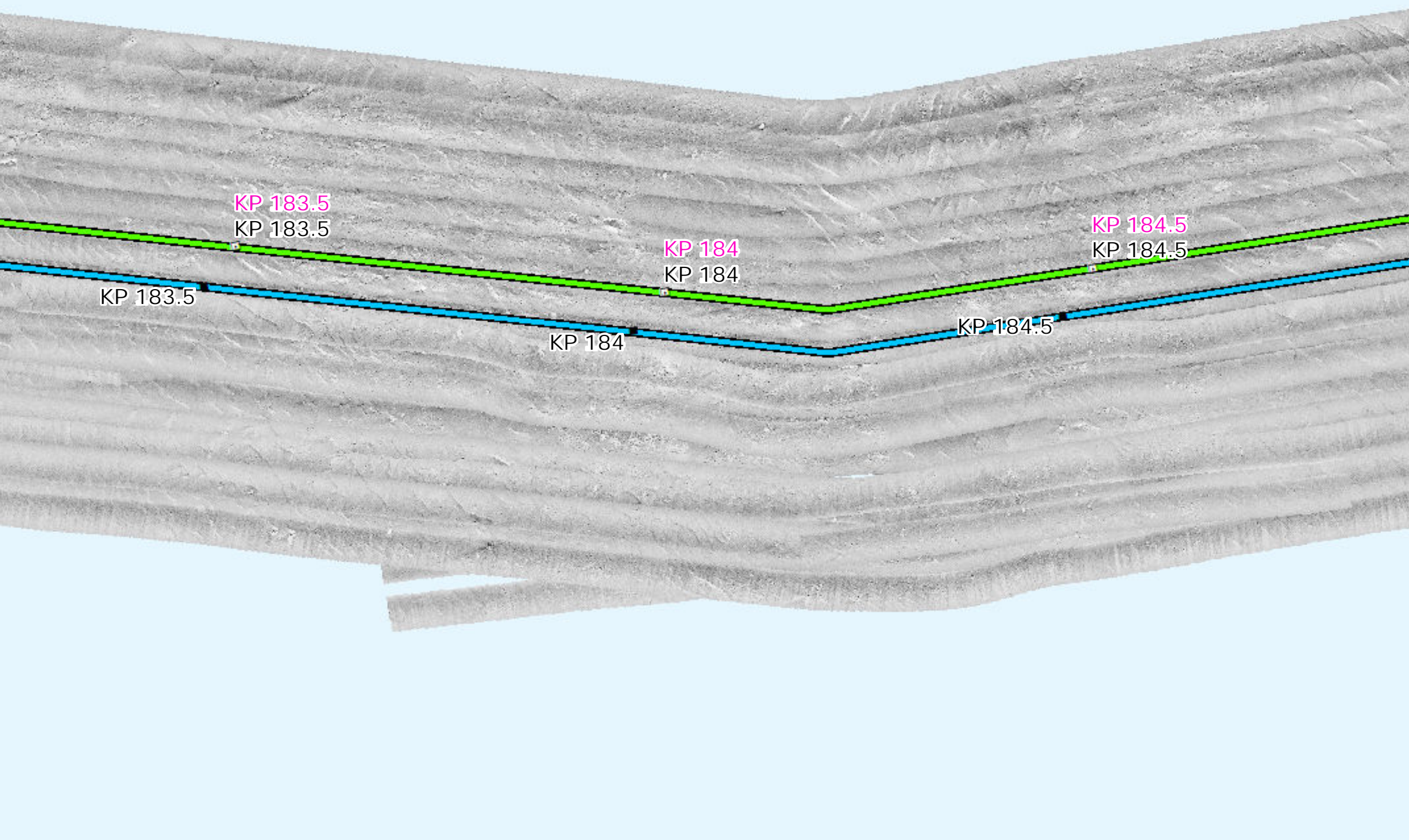
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



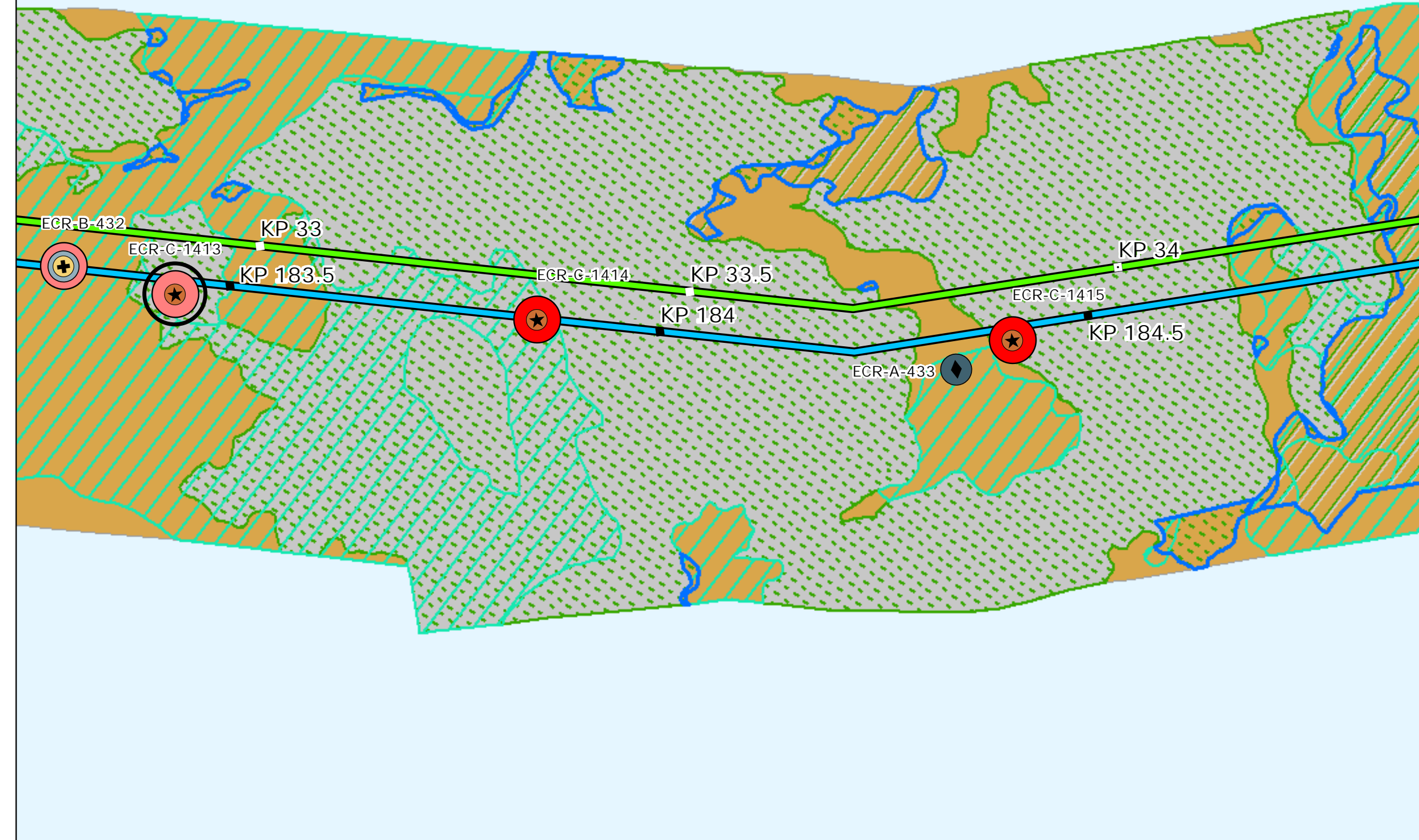
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

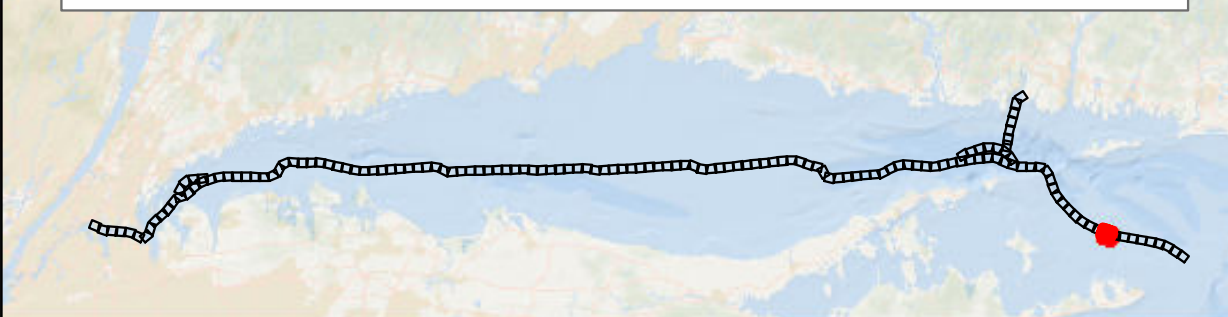


# Interpreted Seabed Sediment/NMFS Habitat Characterization

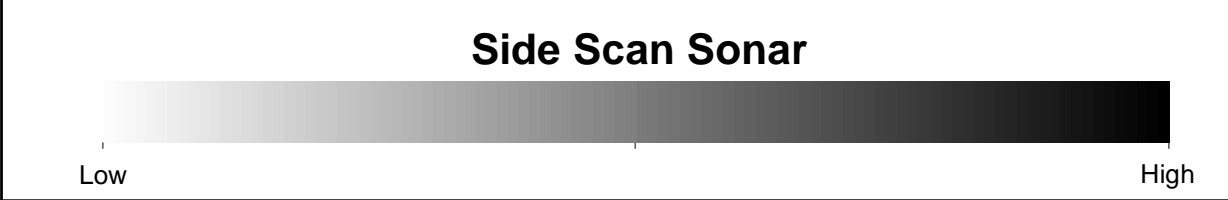
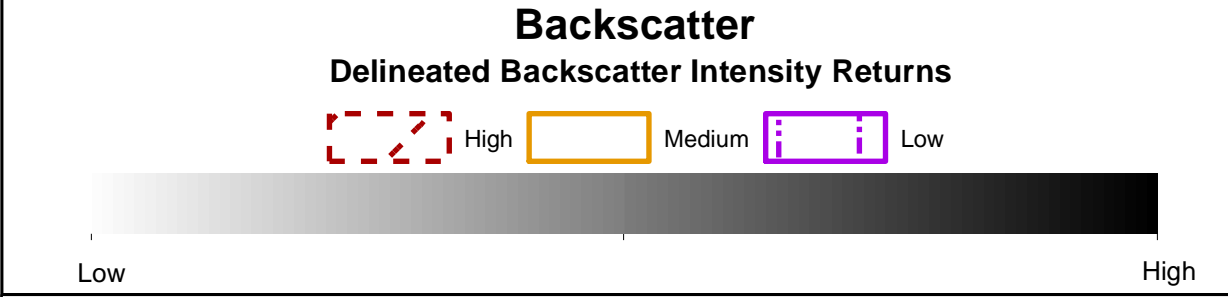
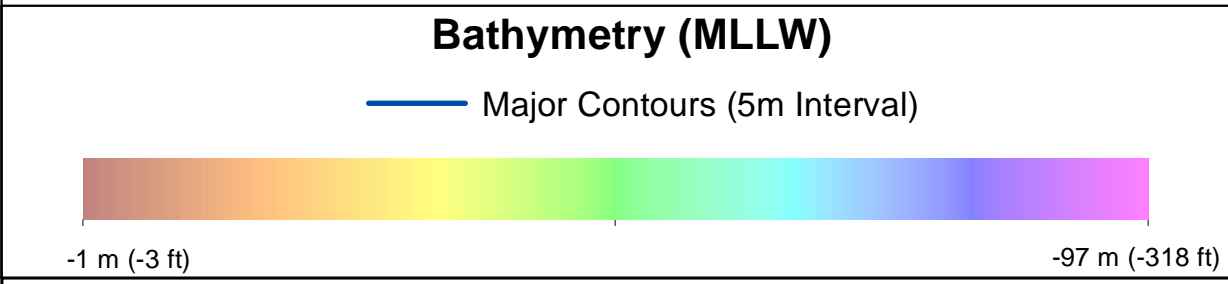
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



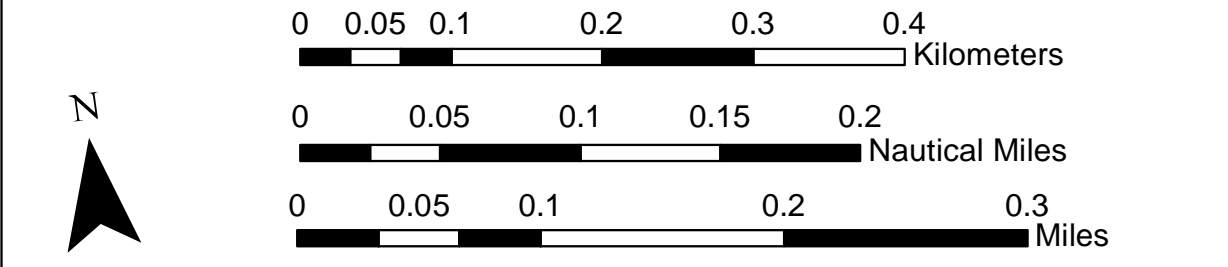
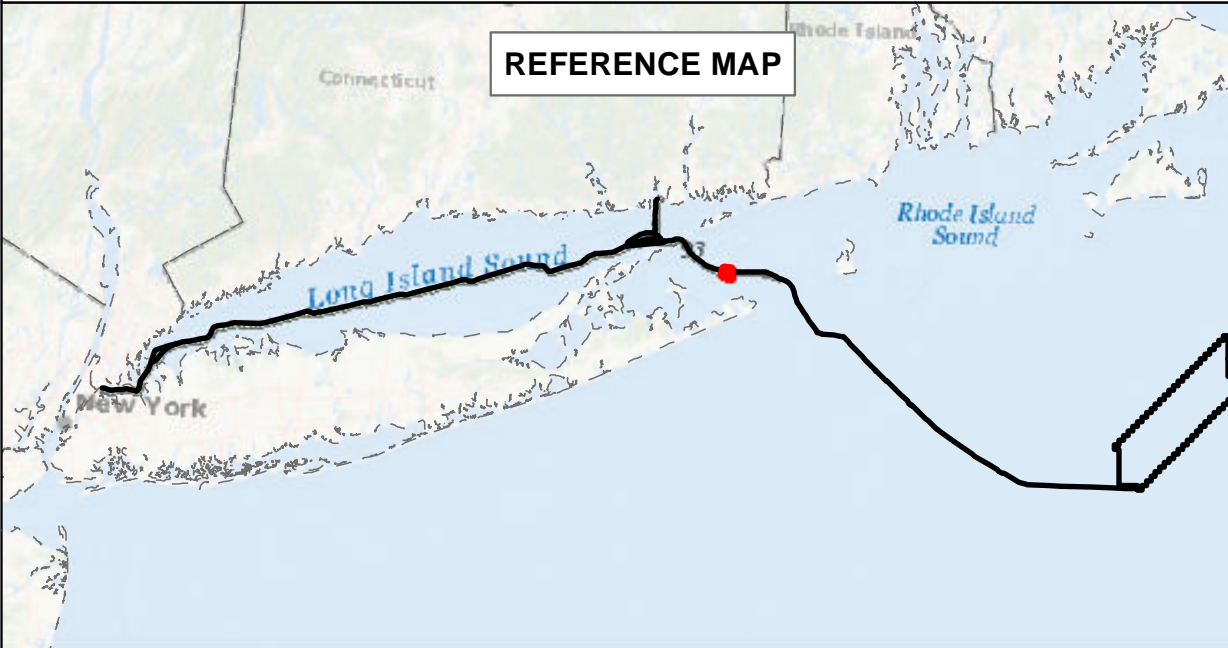
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |   |   |
|---|---|
| <p><b>Station Type</b></p> <ul style="list-style-type: none"> <li>✦ Grab and Video</li> <li>◆ SPI/PV</li> <li>★ Video</li> </ul> <p><b>CMECS Biotic</b></p> <ul style="list-style-type: none"> <li>● Large Macrofauna</li> <li>● Soft Sediment Fauna</li> </ul> <p><b>CMECS Substrate</b></p> <ul style="list-style-type: none"> <li>● Gravelly Sand</li> <li>● Sand</li> </ul> <p><b>CMECS Geoform</b></p> <ul style="list-style-type: none"> <li>● Boulder Field</li> <li>● Burrows/Bioturbation</li> </ul> | <ul style="list-style-type: none"> <li>○ Northern Star Coral</li> <li>□ Heterogeneous Complex Habitat</li> </ul> <p><b>Benthic Features</b></p> <ul style="list-style-type: none"> <li>▣ Megaripples</li> </ul> <p><b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b></p> <ul style="list-style-type: none"> <li>■ Sand and Muddy Sand/Soft Bottom Habitat</li> <li>■ Till/Complex Habitat</li> <li>■ Numerous Boulders/Large Grained Complex Habitat</li> <li>■ Occasional Boulders/Large Grained Complex Habitat</li> </ul> |
|---|---|

Note: 1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

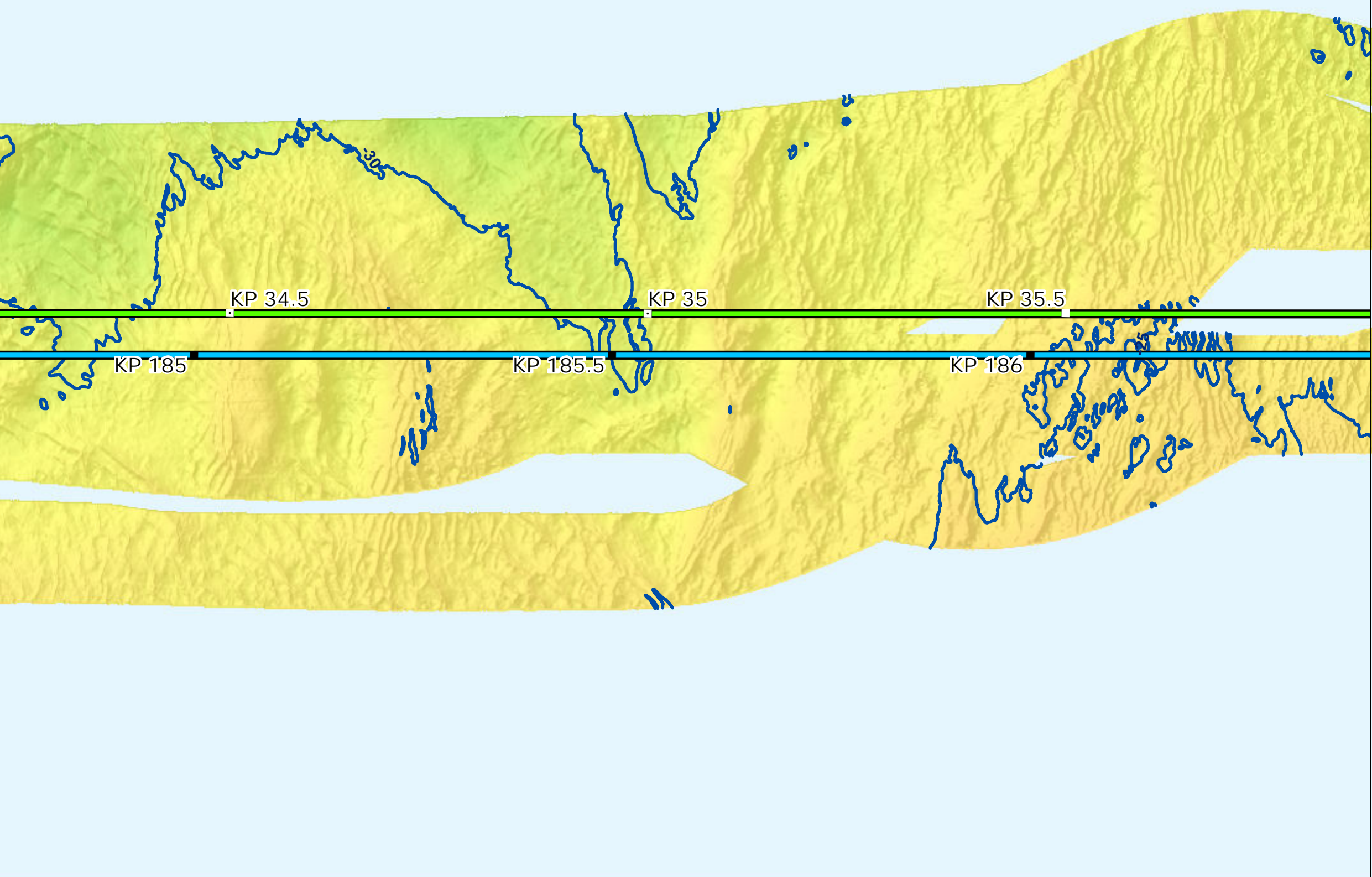
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 142

BW1 (NY) - KP 183.5 - KP 184.5  
BW2 (NY) - KP 183.5 - KP 184.5  
BW2 (CT) - KP 33 - KP 34



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



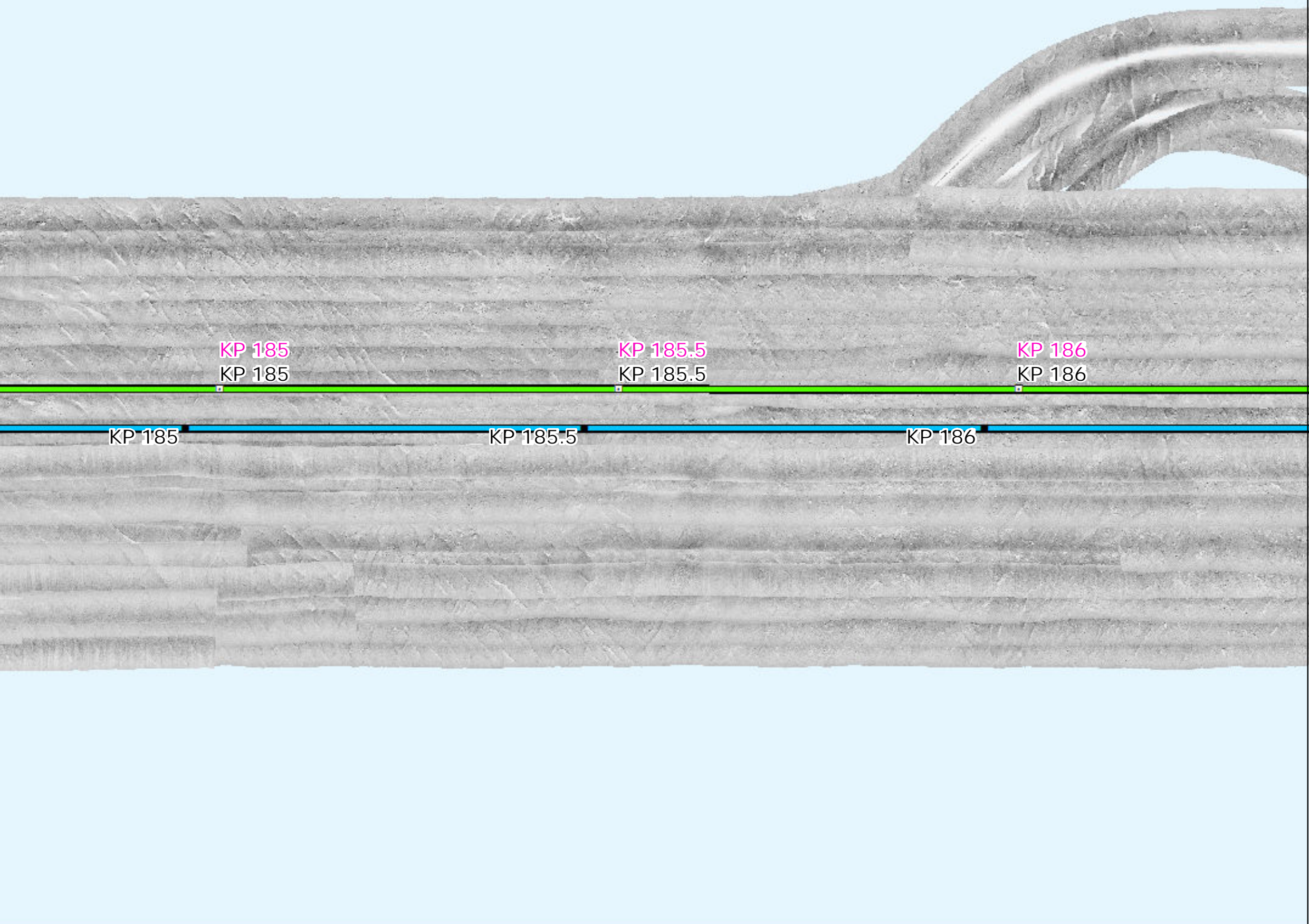
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



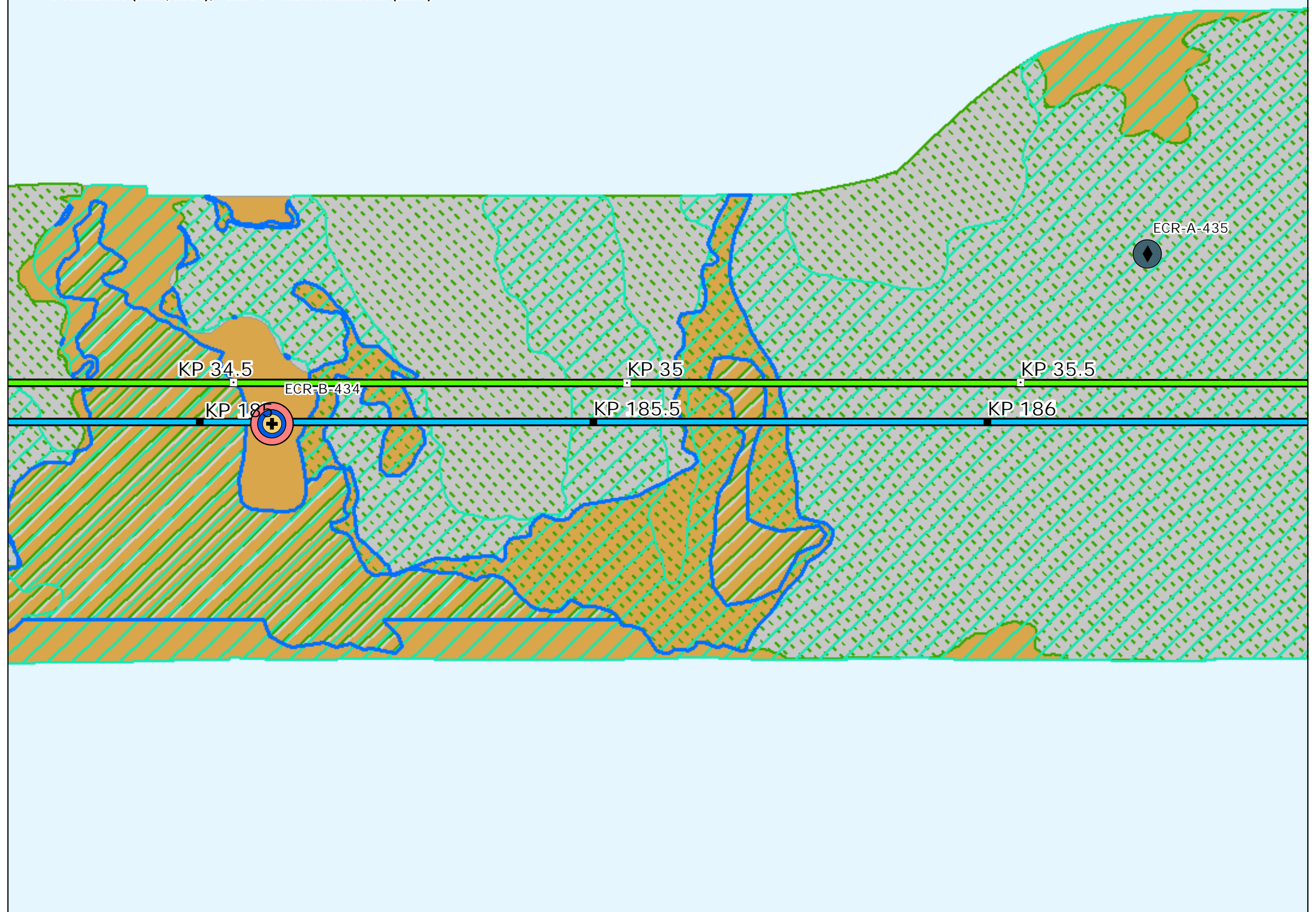
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

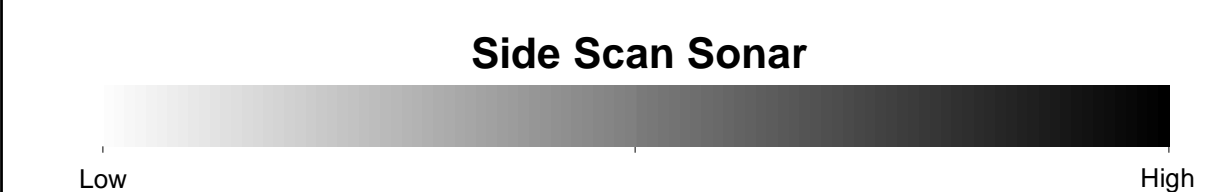
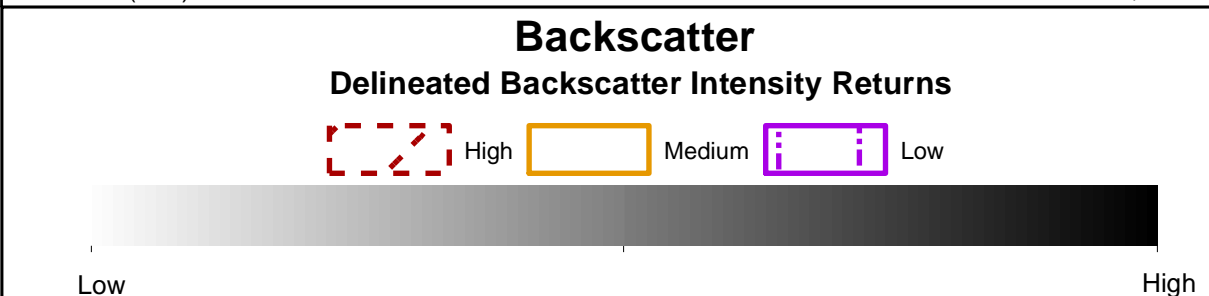
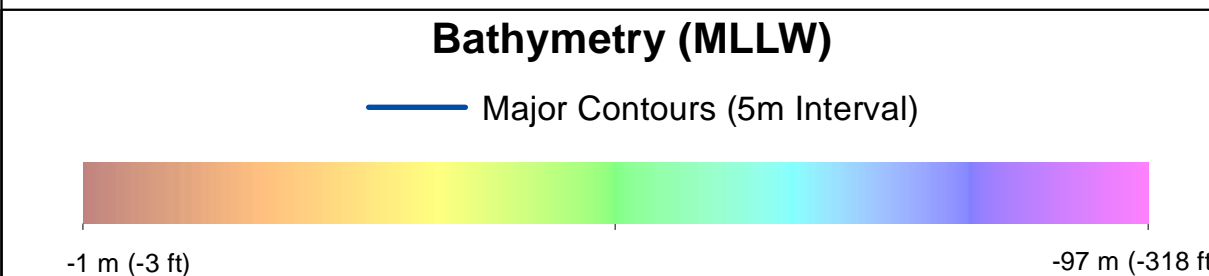
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



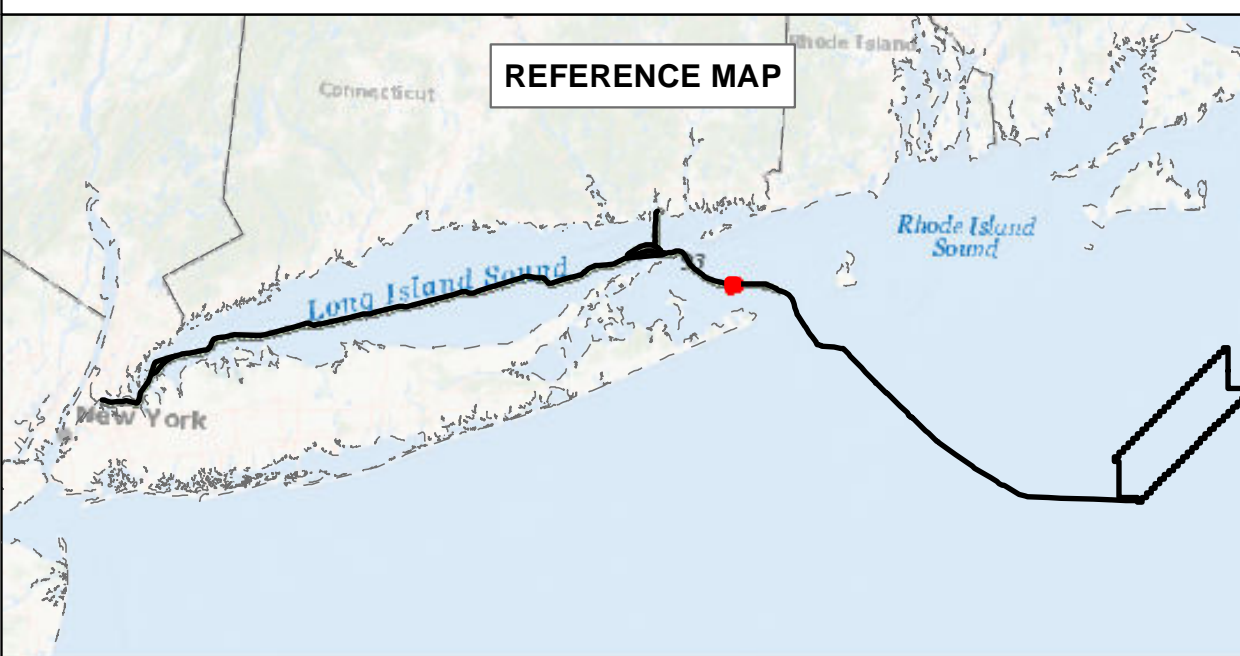
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |   |  |
|---|--|
| <b>Station Type</b><br>+ Grab and Video<br>◆ SPI/PV | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b><br>Sand and Muddy Sand/Soft Bottom Habitat<br>Till/Complex Habitat<br>Numerous Boulders/Large Grained Complex Habitat<br>Occasional Boulders/Large Grained Complex Habitat<br>Heterogeneous Complex Habitat |
| <b>CMECS Biotic</b><br>● Soft Sediment Fauna        | <b>CMECS Substrate</b><br>Muddy Sand<br>Sand<br>Burrows/Bioturbation   |
| <b>CMECS Geoform</b><br>● Burrows/Bioturbation      | <b>Benthic Features</b><br>▨ Megaripples   |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



## BEACON WIND LEASE AREA OCS-A 0520

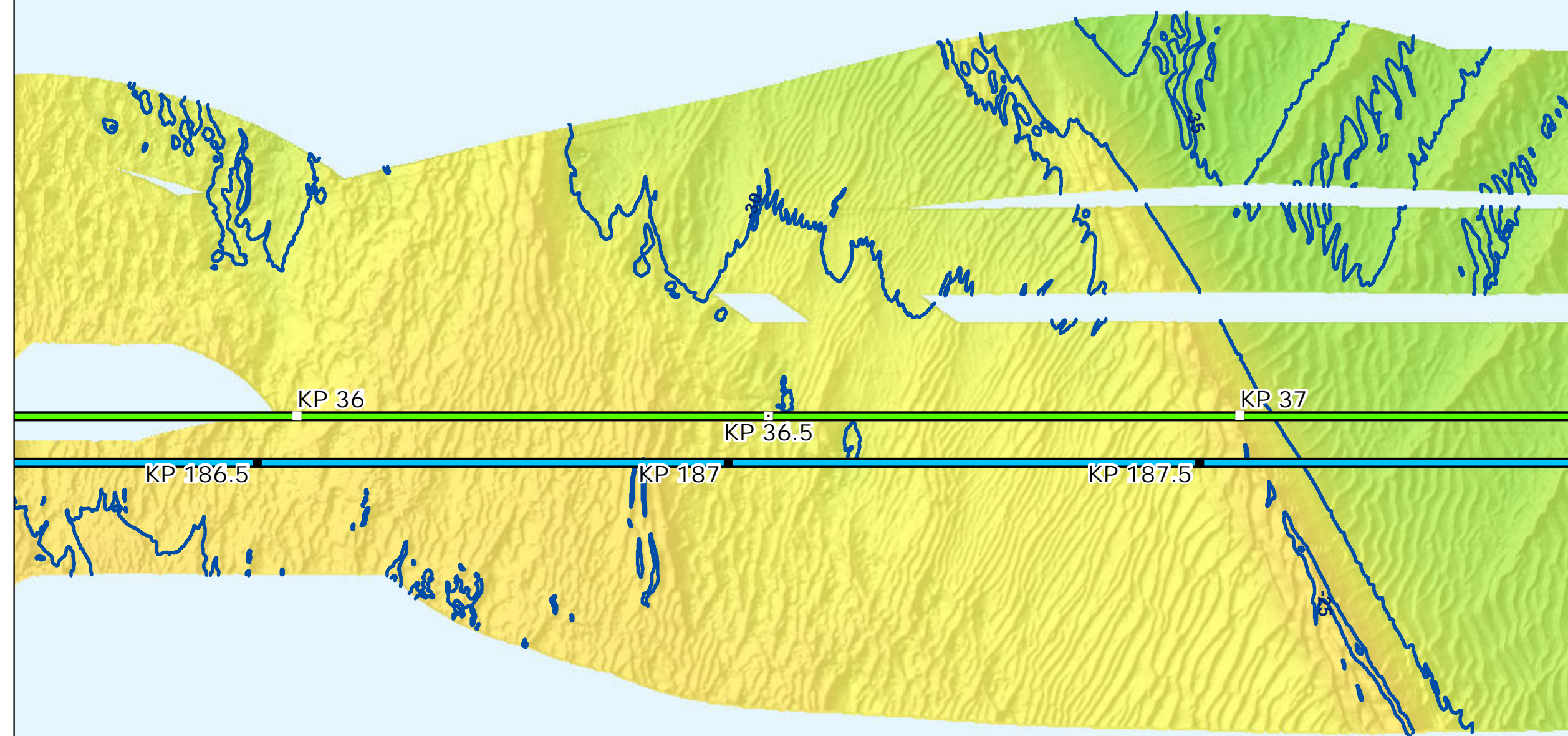
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 143

BW1 (NY) - KP 185 - KP 186  
 BW2 (NY) - KP 185 - KP 186  
 BW2 (CT) - KP 34.5 - KP 35.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



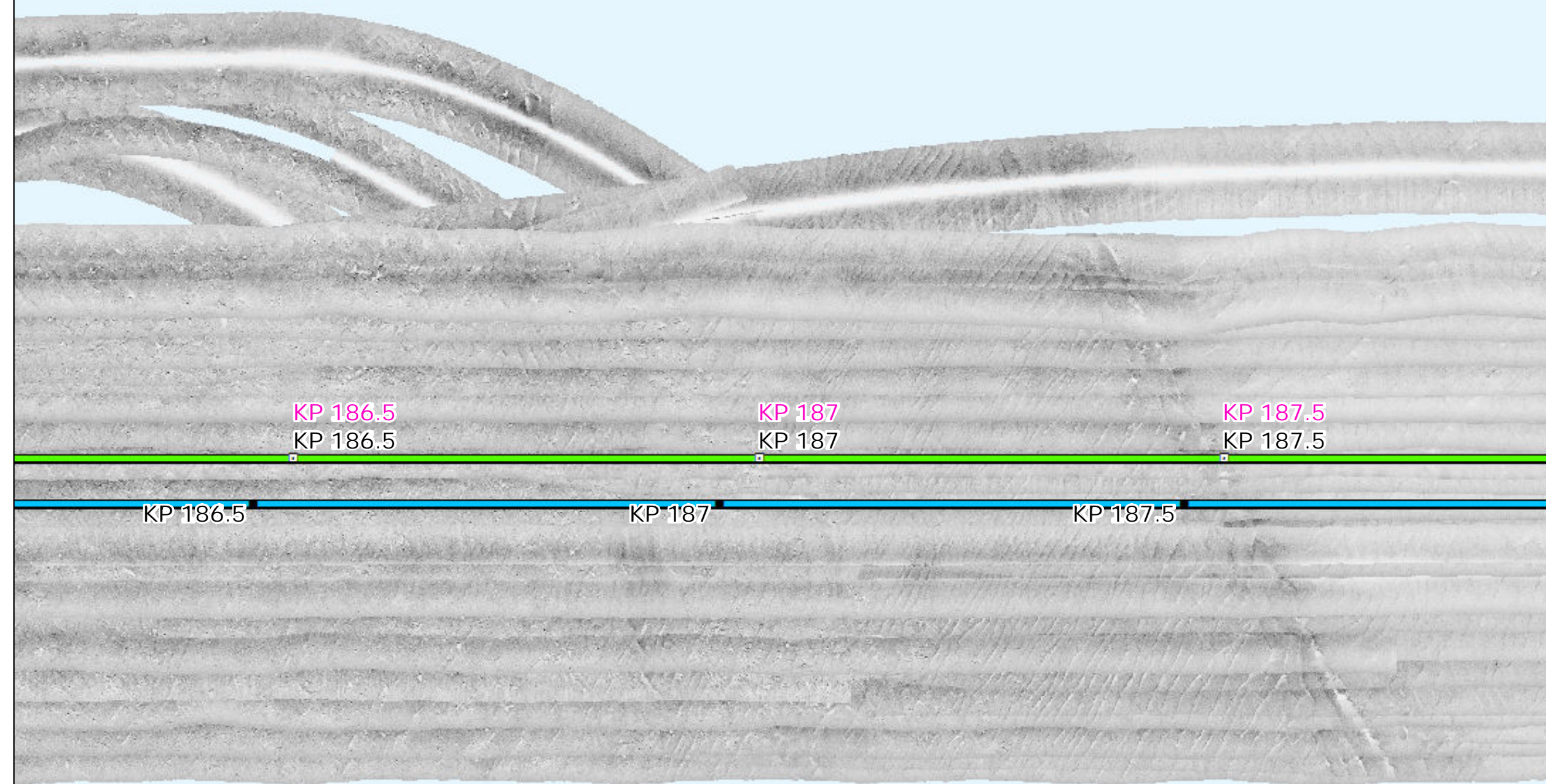
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



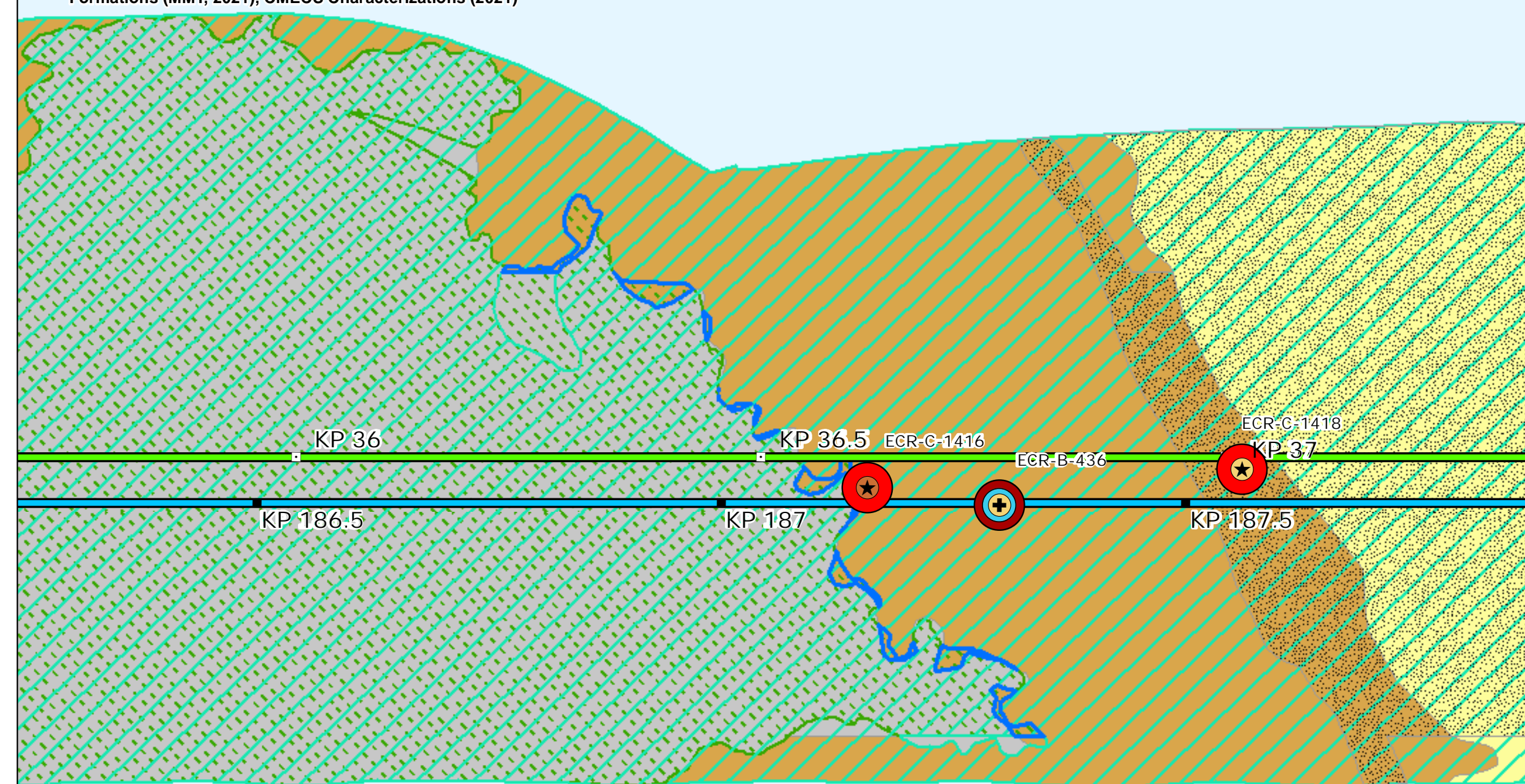
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

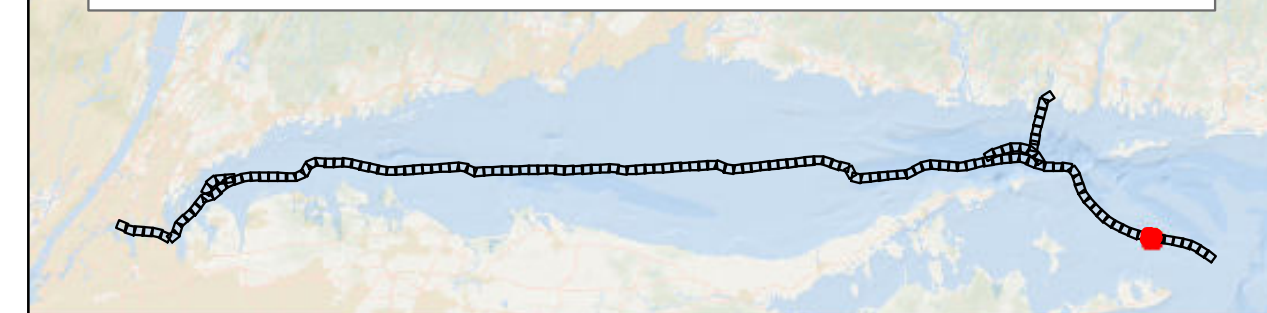


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)

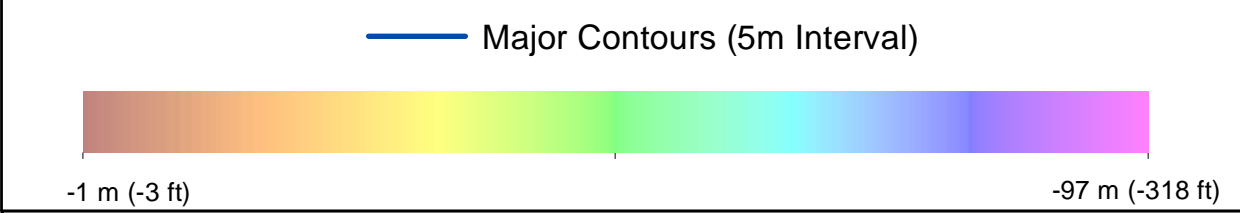


# Map Book Package for Submarine Export Cable Route in State Waters

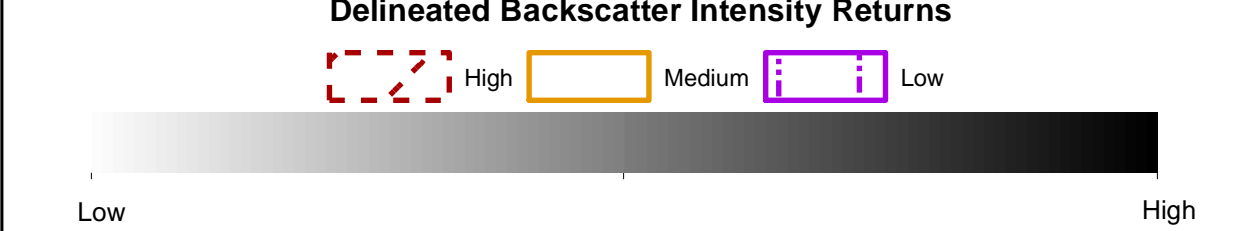


- BW1 KPs
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

## Bathymetry (MLLW)



## Backscatter



## Side Scan Sonar



## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

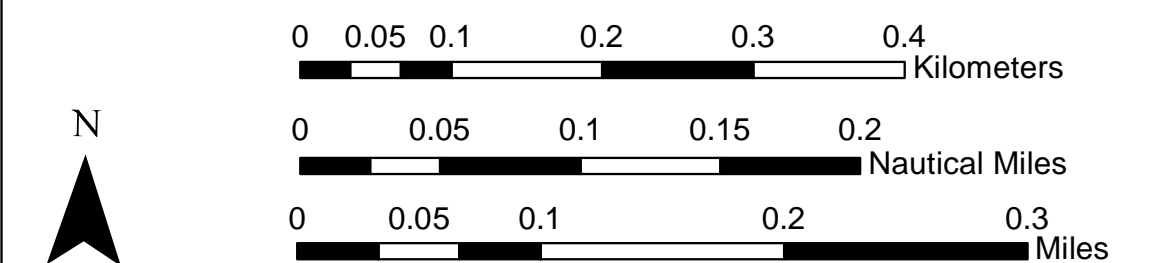
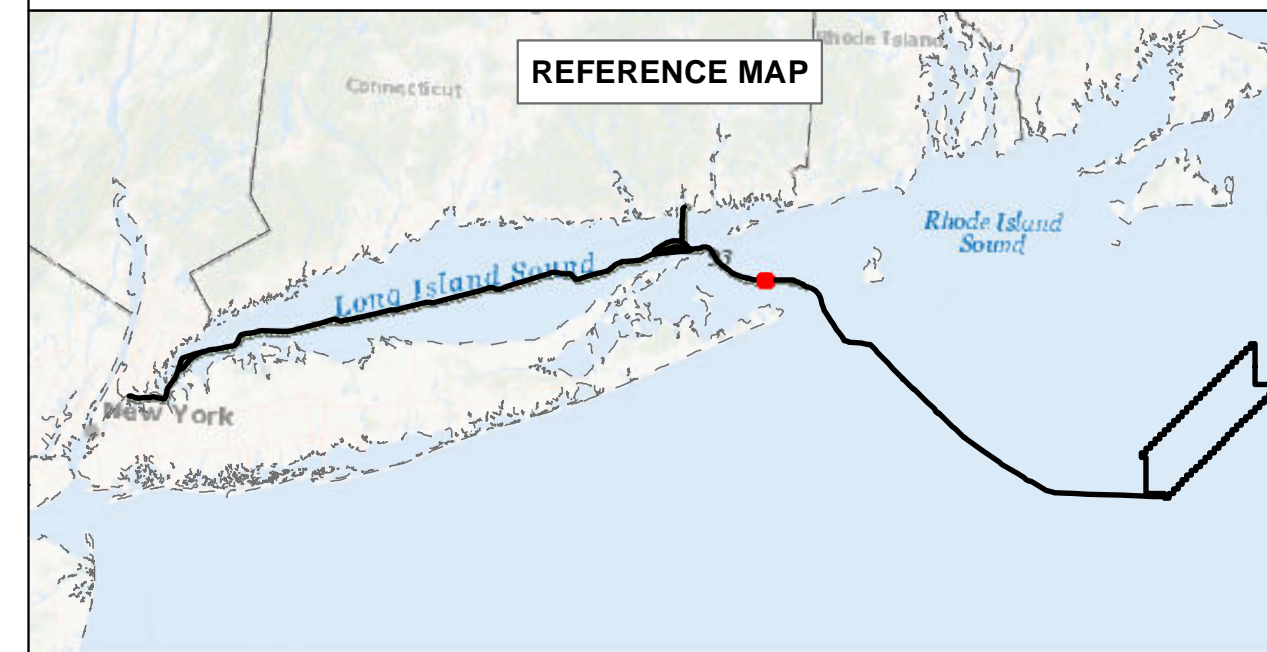
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | Waves  |
| ✦ Grab and Video        |  |
| ★ Video                 |  |
| <b>CMECS Biotic</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ● Large Macrofauna      | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ● Soft Sediment Fauna   | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Substrate</b>  | ■ Till/Complex Habitat   |
| ● Gravelly Muddy Sand   | ■ Numerous Boulders/Large Grained Complex Habitat                |
| ● Boulder Field         | ■ Heterogeneous Complex Habitat                                  |
| ● Flat                  |  |
| <b>Benthic Features</b> |  |
| ■ Megaripples           |  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



# BEACON WIND LEASE AREA OCS-A 0520

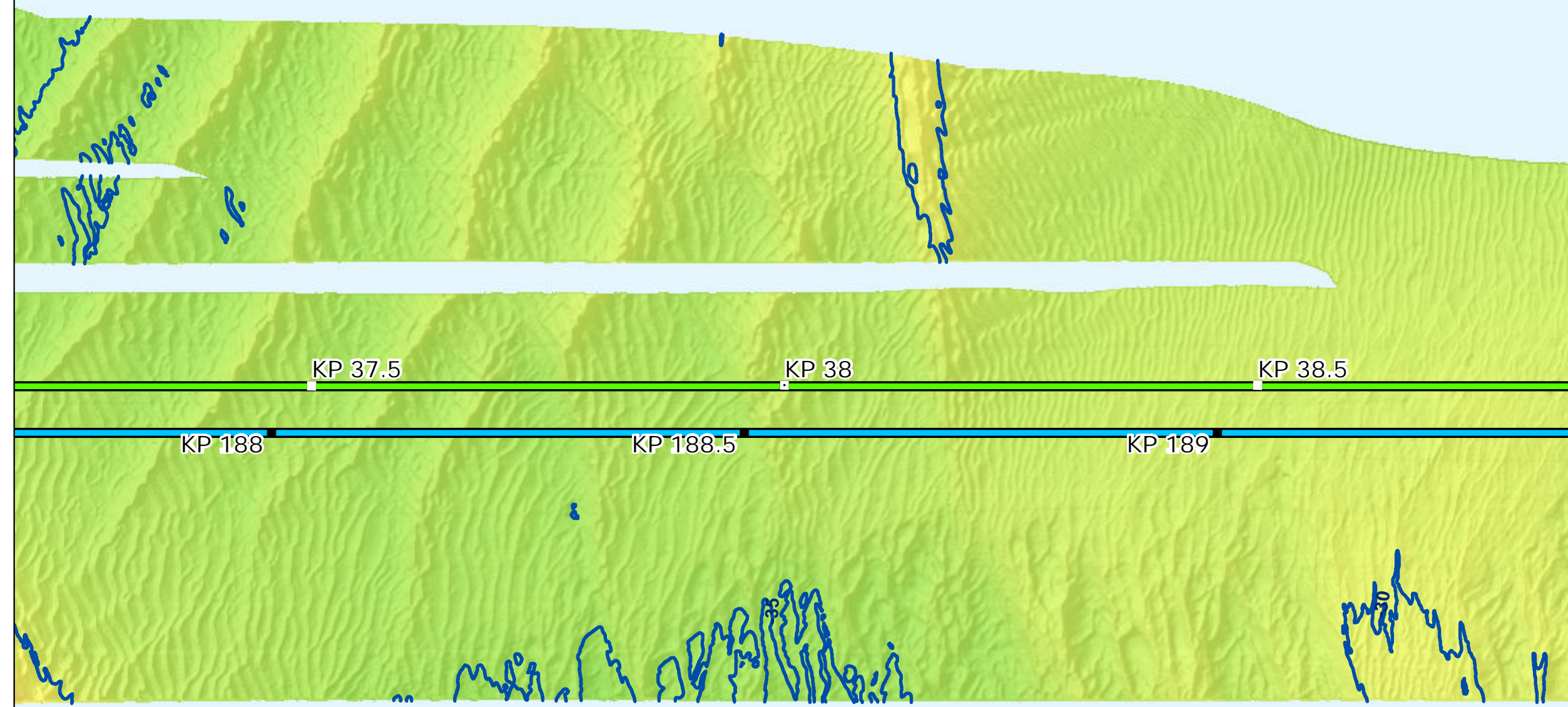
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 144

BW1 (NY) - KP 186.5 - KP 187.5  
BW2 (NY) - KP 186.5 - KP 187.5  
BW2 (CT) - KP 36 - KP 37



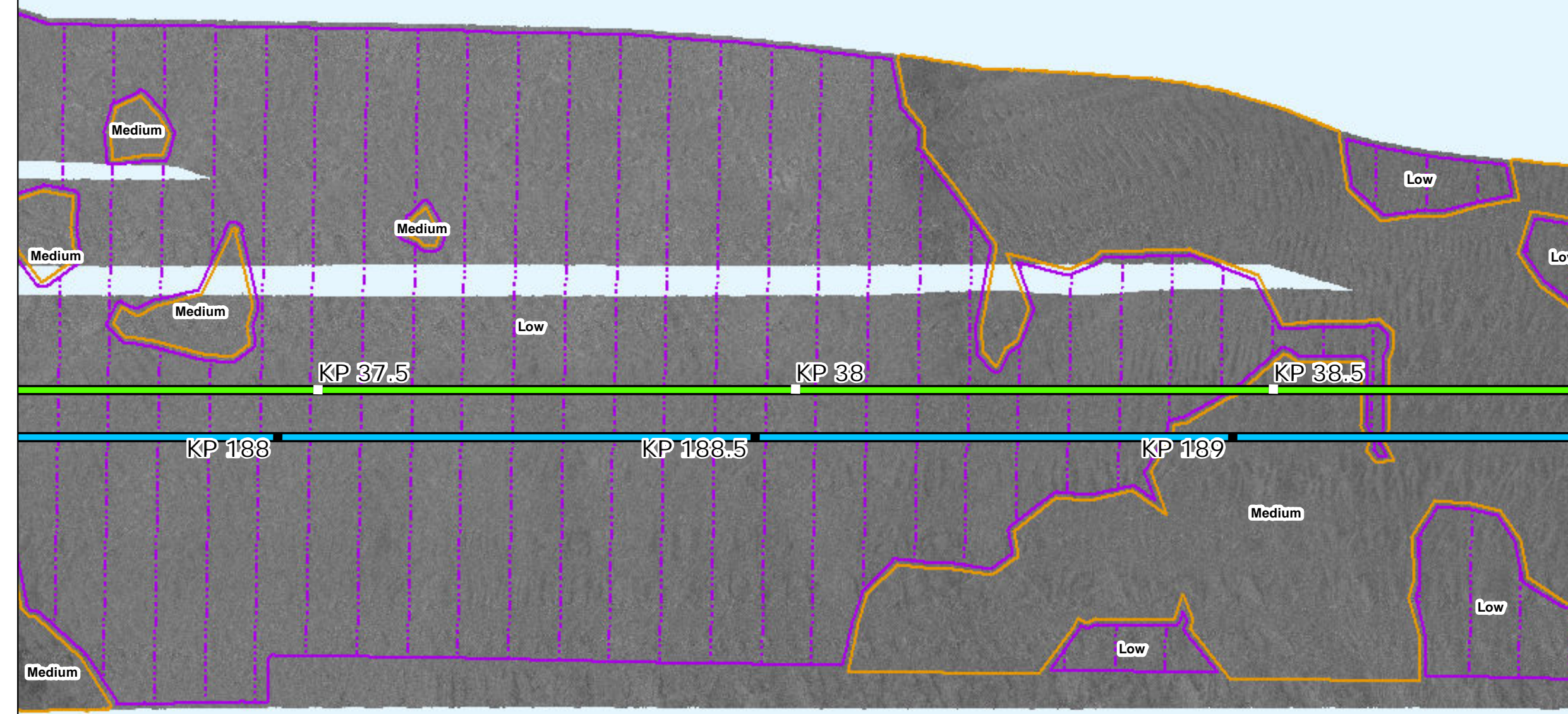
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



# Backscatter

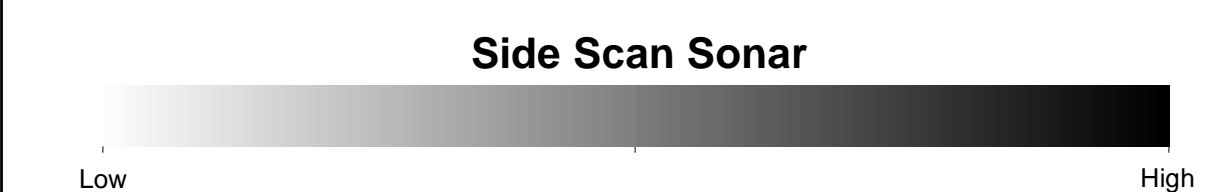
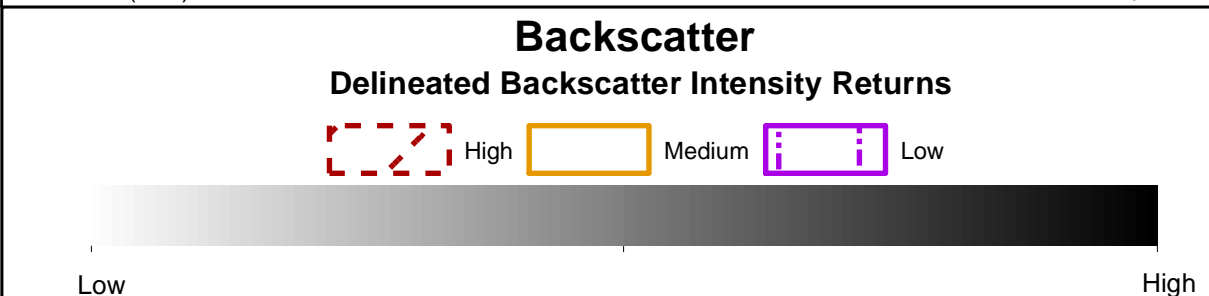
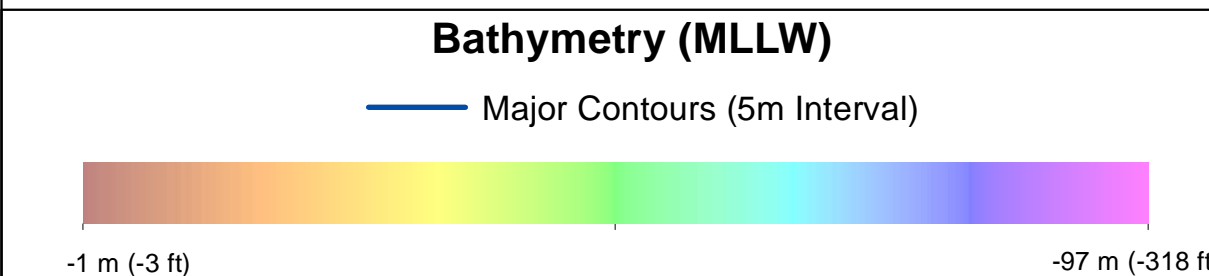
Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



# Map Book Package for Submarine Export Cable Route in State Waters



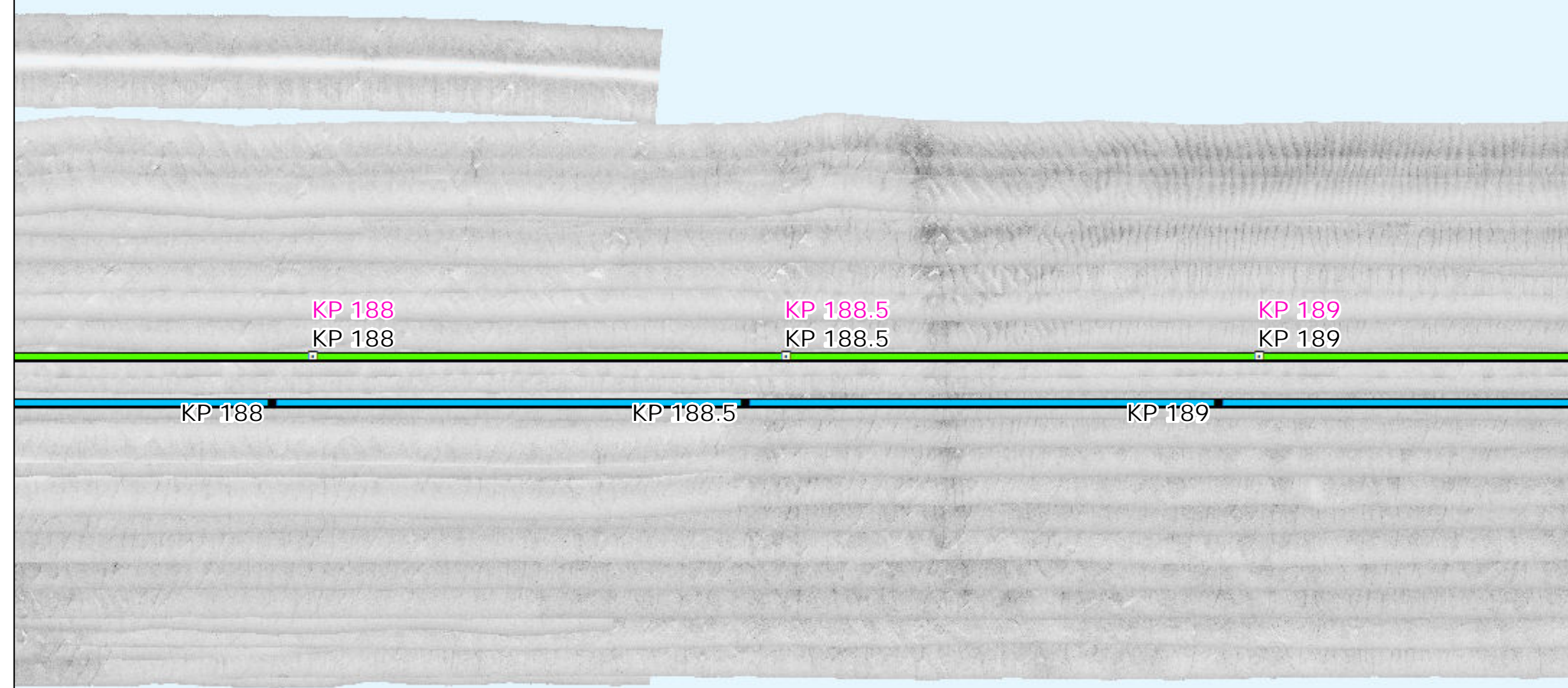
- BW1 KPs
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                         |  |
|-------------------------|--|
| <b>Station Type</b>     | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video        | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| ◆ SPI/PV                | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>     |  |
| ● Soft Sediment Fauna   |  |
| <b>CMECS Substrate</b>  |  |
| ○ Fine/Very Fine Sand   |  |
| ● Sand                  |  |
| <b>CMECS Geoform</b>    |  |
| ● Burrows/Bioturbation  |  |
| <b>Benthic Features</b> |  |
| ▨ Megaripples           |  |
| ▨ Waves                 |  |
- Note:  
1) Legend only shows items visible in the current map extent.

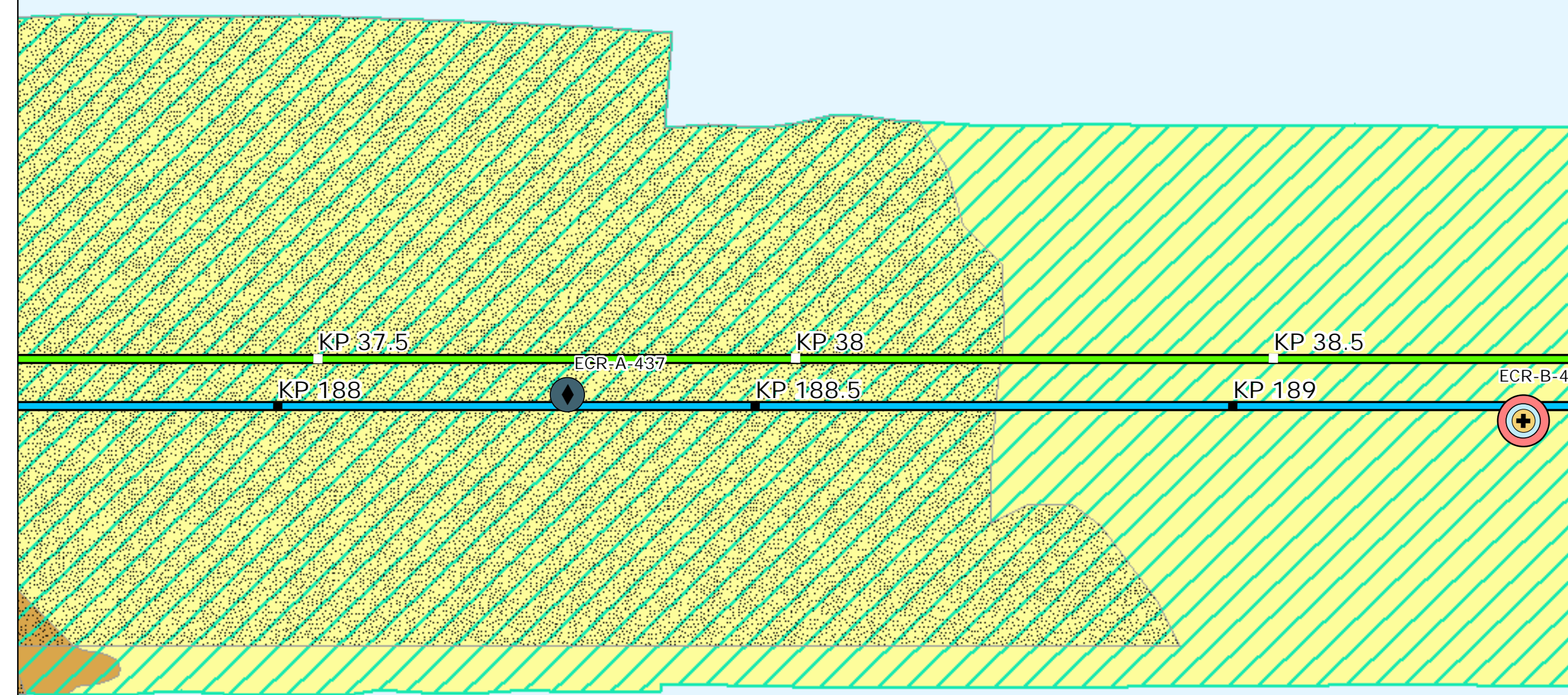
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

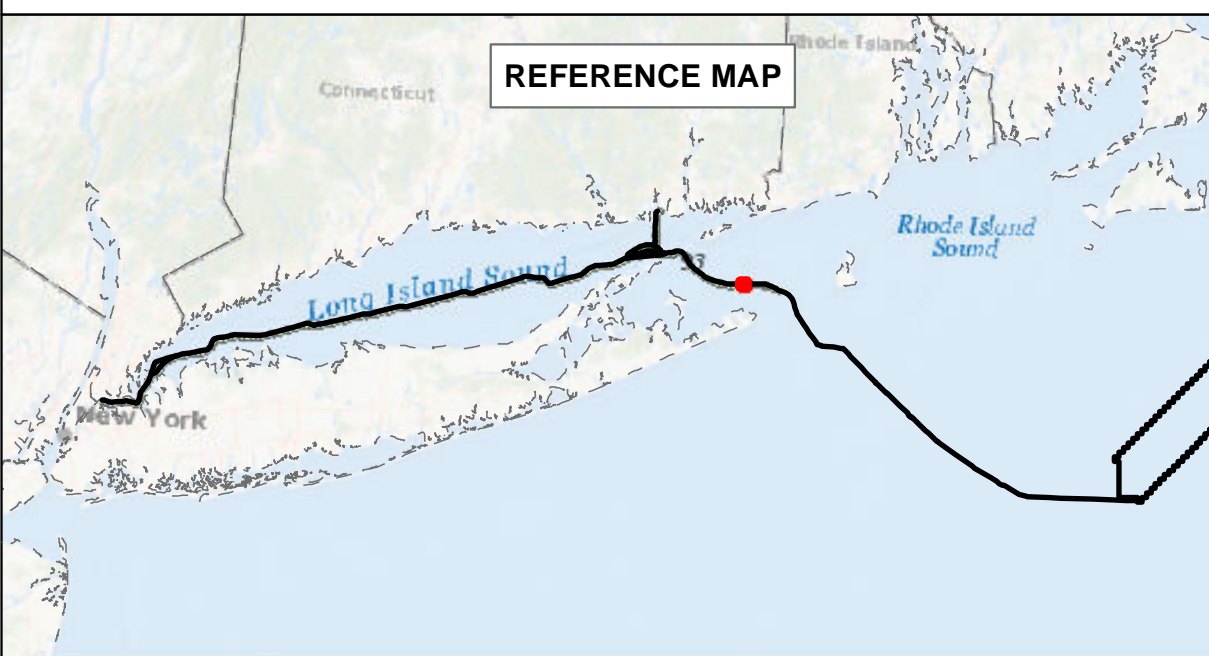


# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



### BEACON WIND LEASE AREA OCS-A 0520

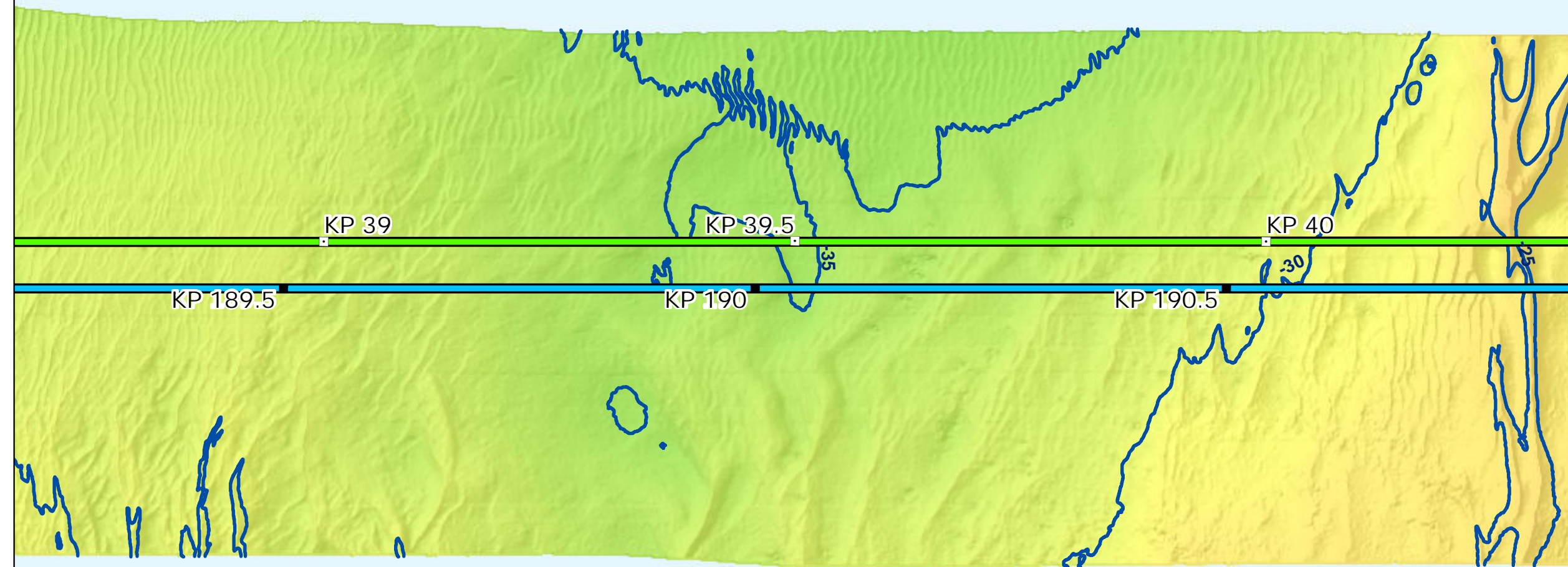
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 145

BW1 (NY) - KP 188 - KP 189  
BW2 (NY) - KP 188 - KP 189  
BW2 (CT) - KP 37.5 - KP 38.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



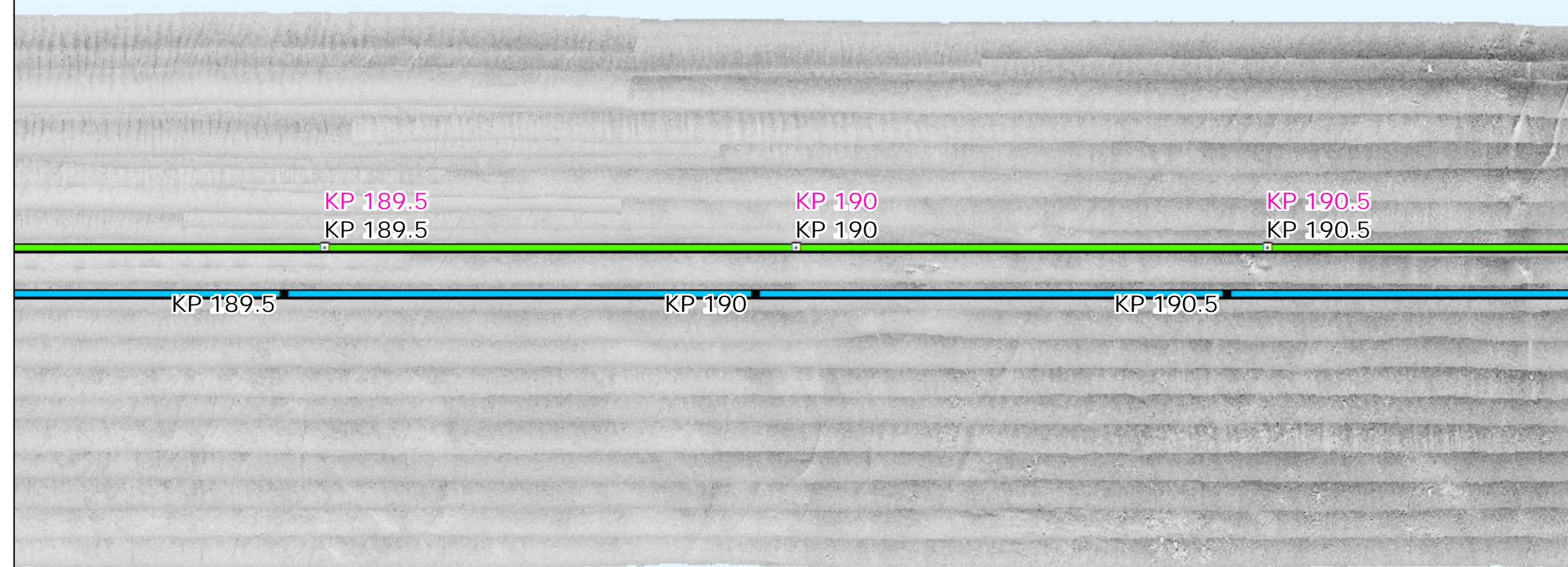
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



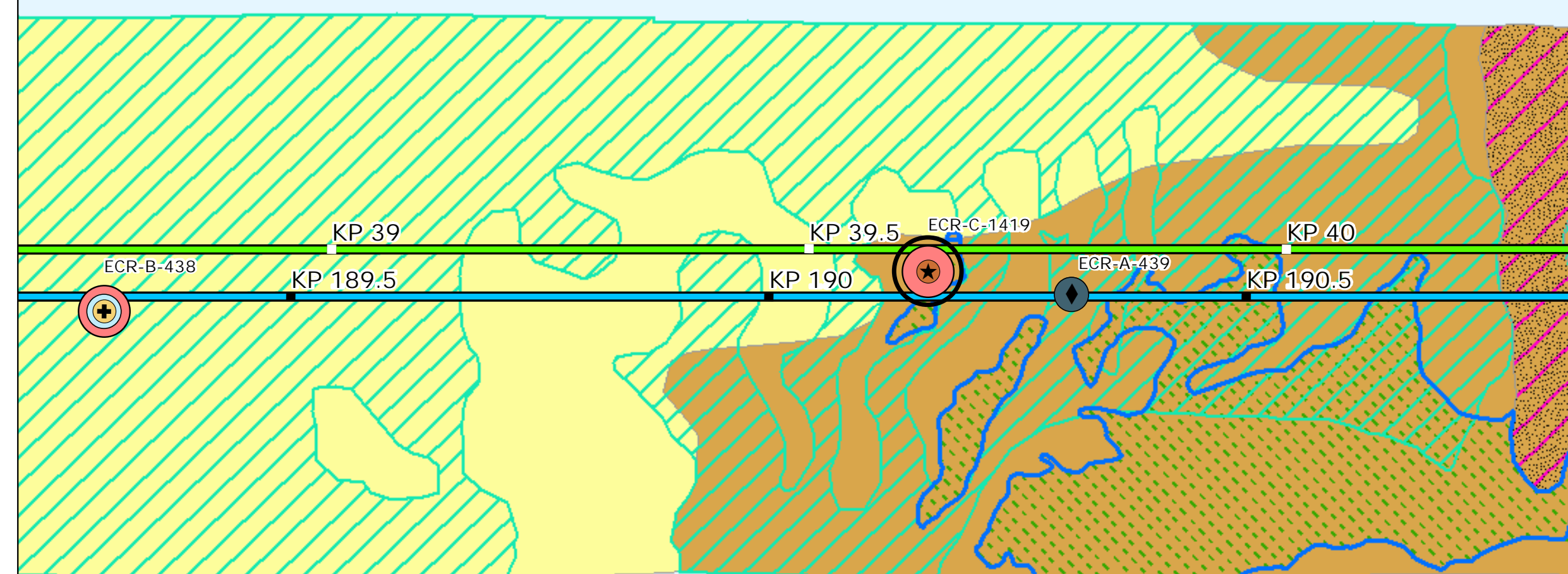
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



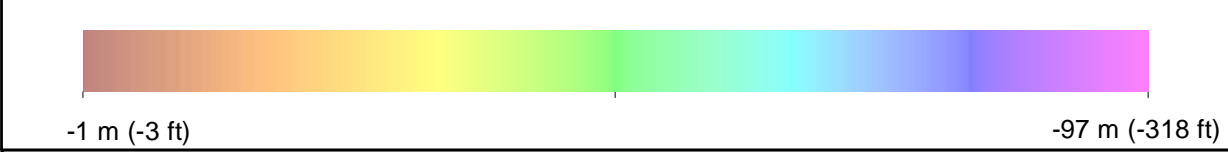
# Map Book Package for Submarine Export Cable Route in State Waters



- BW1 KPs
- BW1 and BW2 KPs
- BW1 Submarine Export Cable Route (v13)
- BW2 Submarine Export Cable Route (v13)

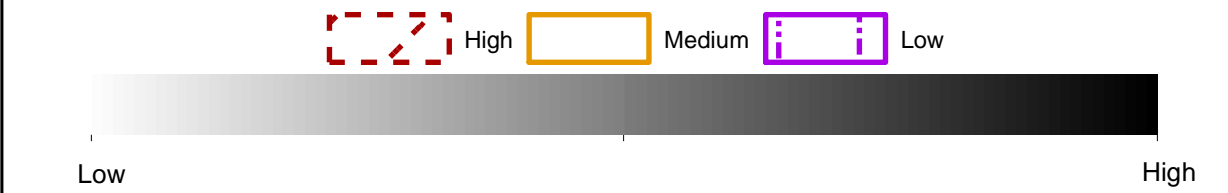
## Bathymetry (MLLW)

Major Contours (5m Interval)



## Backscatter

Delineated Backscatter Intensity Returns



## Side Scan Sonar



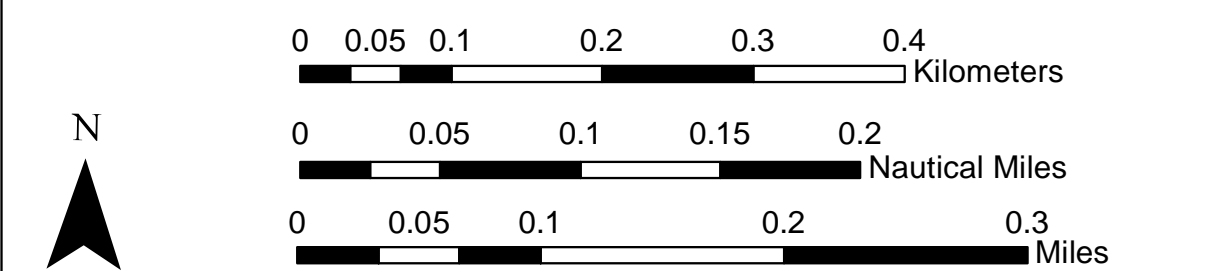
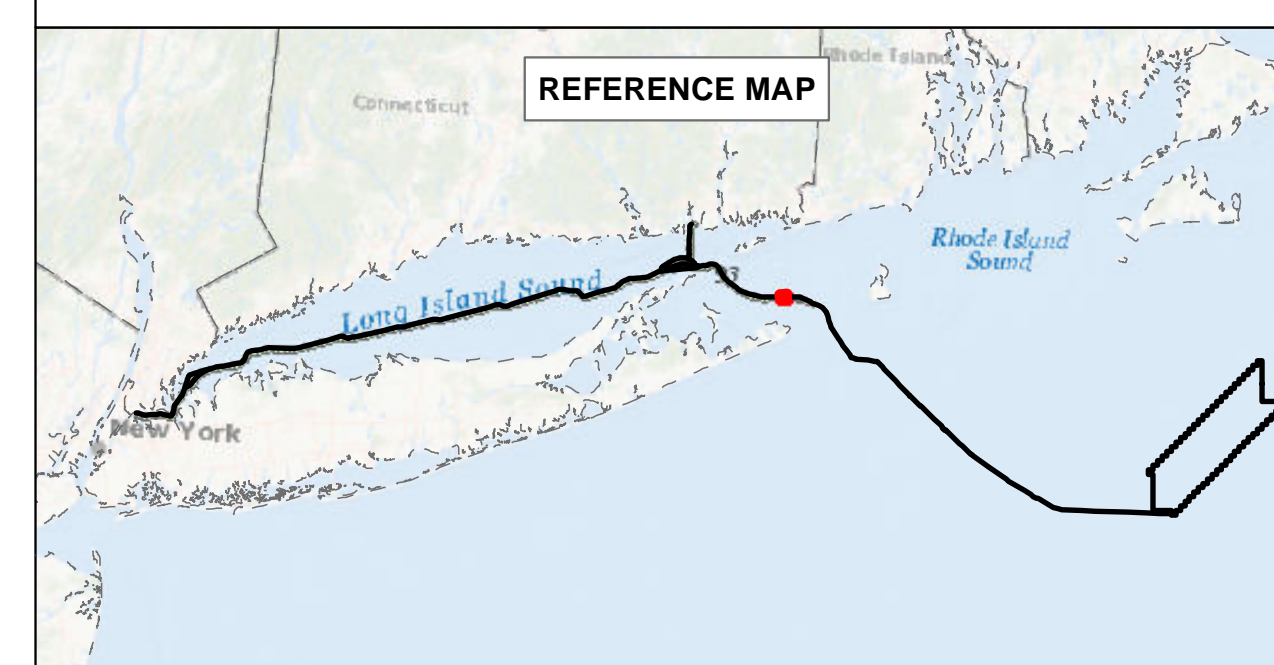
## Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications

- Station Type**
    - ✦ Grab and Video
    - ◆ SPI/PV
    - ★ Video
  - CMECS Biotic**
    - Large Macrofauna
    - Soft Sediment Fauna
  - CMECS Substrate**
    - Fine/Very Fine Sand
    - Sand
    - Burrows/Bioturbation
  - CMECS Geomorph**
  - Benthic Features**
    - Northern Star Coral
    - Heterogeneous Complex Habitat
    - Megaripples
    - Sand Ripples
    - Waves
  - Interpreted Seabed Sediment/NMFS Habitat Characterization**
    - Mud and Sandy Mud/Soft Bottom Habitat
    - Sand and Muddy Sand/Soft Bottom Habitat
    - Till/Complex Habitat
    - Numerous Boulders/Large Grained Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM

Scale: 1:5000

Date: 3/1/2023



## BEACON WIND LEASE AREA OCS-A 0520

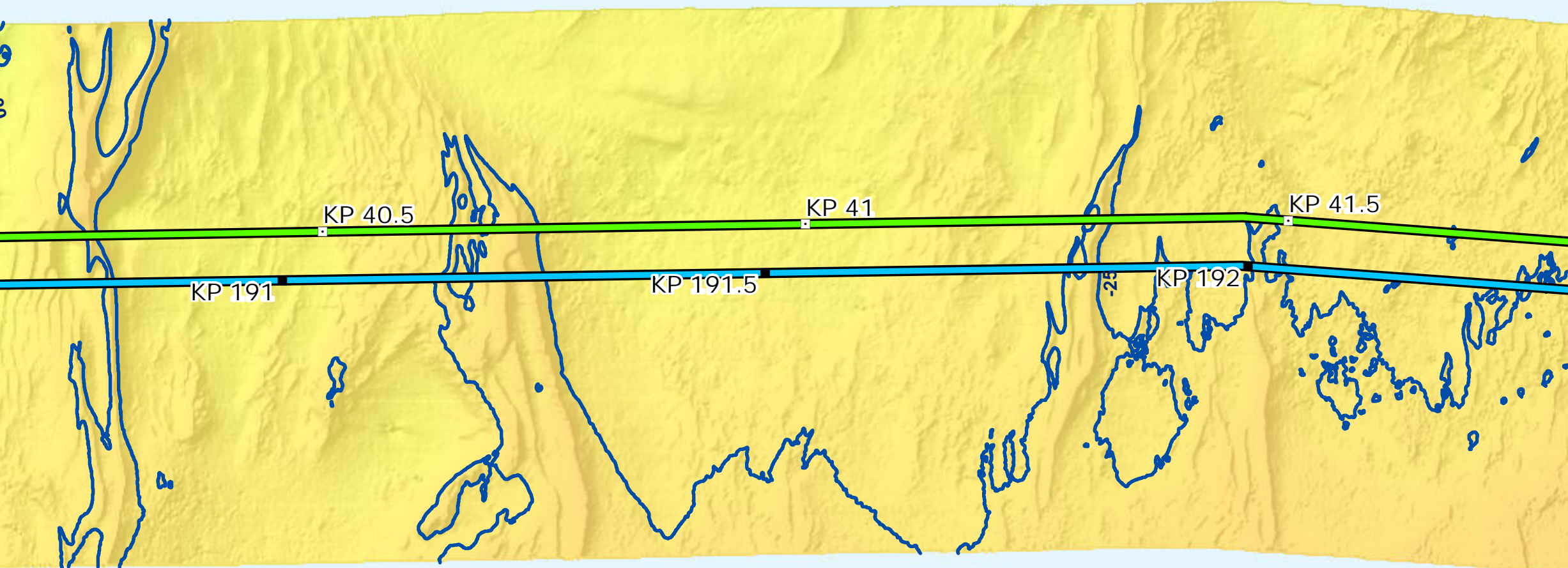
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 146

BW1 (NY) - KP 189.5 - KP 190.5  
BW2 (NY) - KP 189.5 - KP 190.5  
BW2 (CT) - KP 39 - KP 40



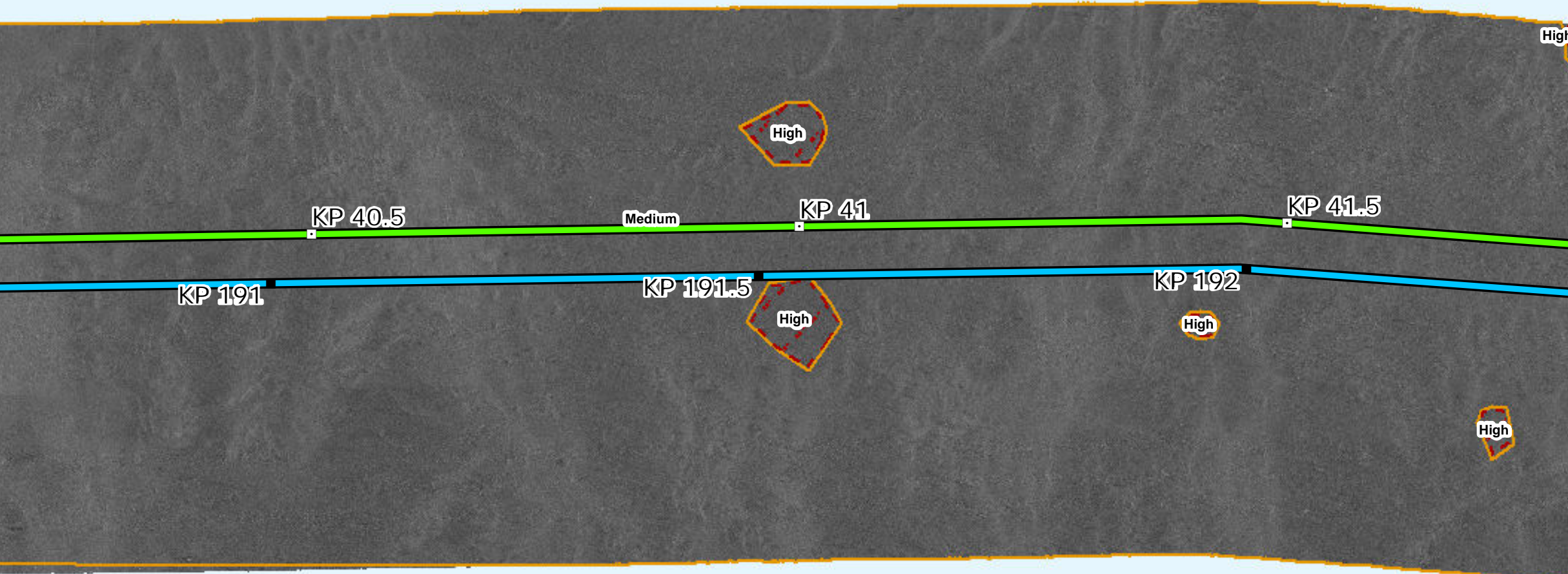
# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



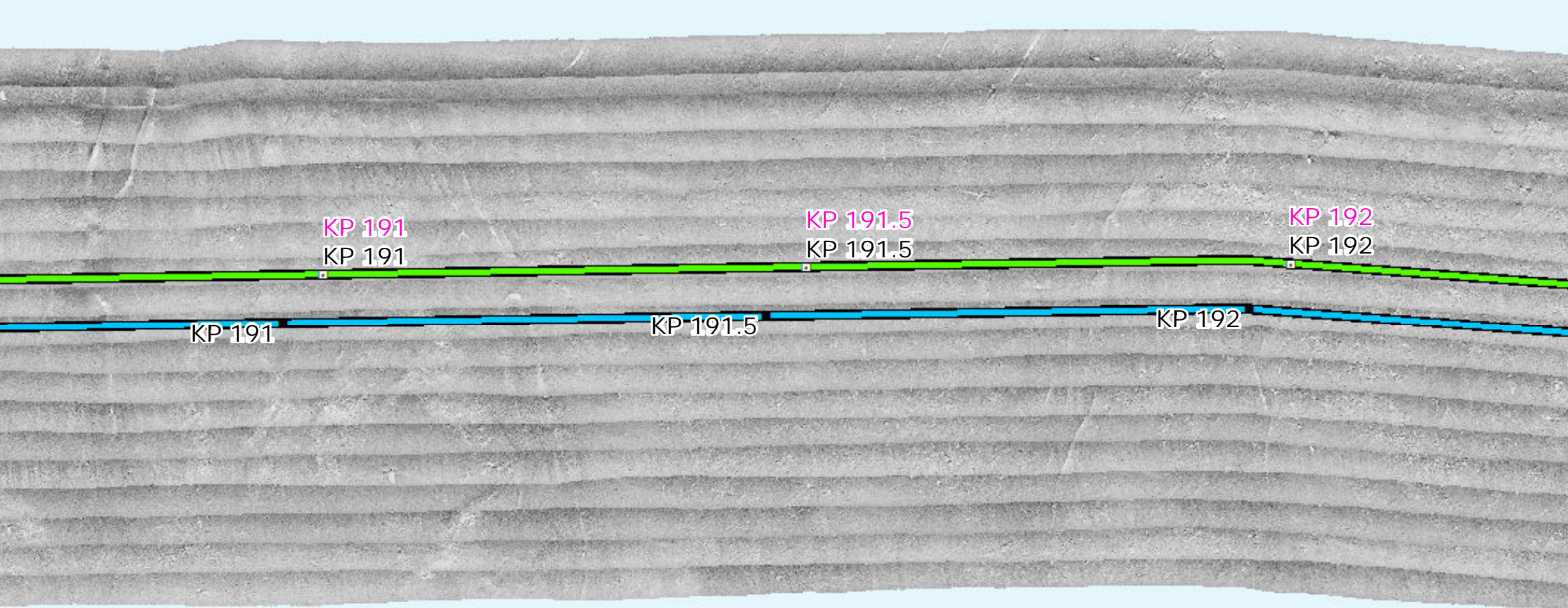
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



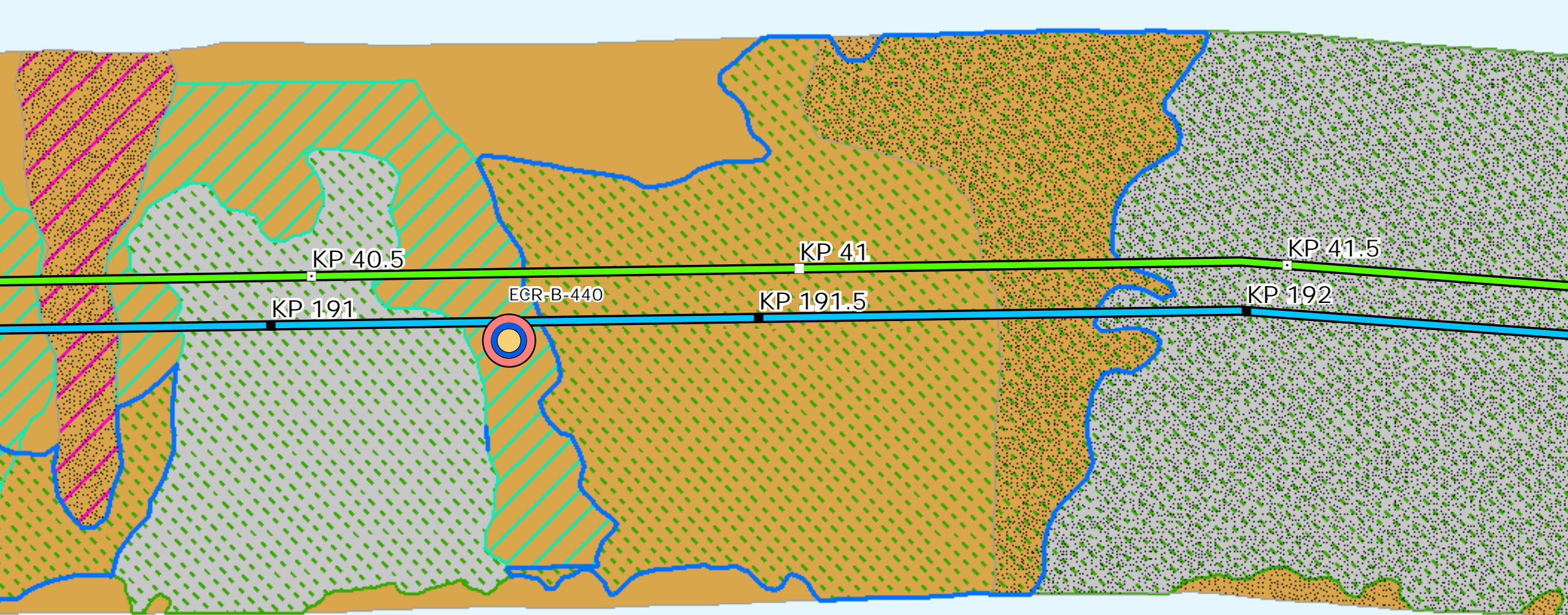
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

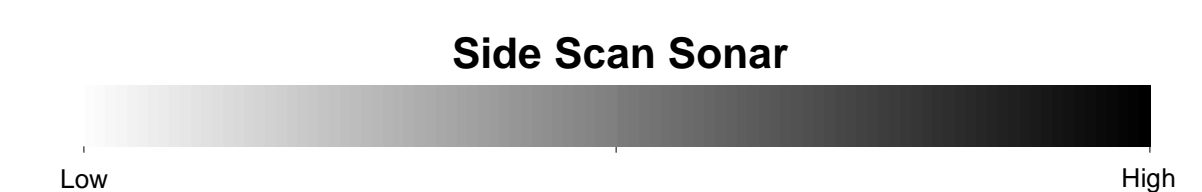
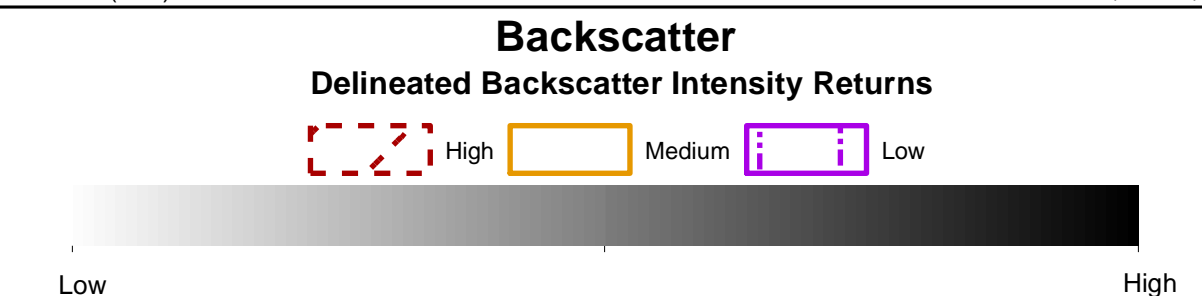
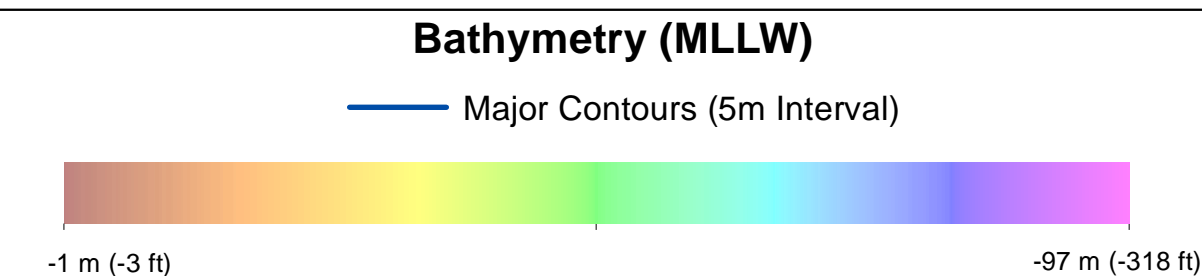
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



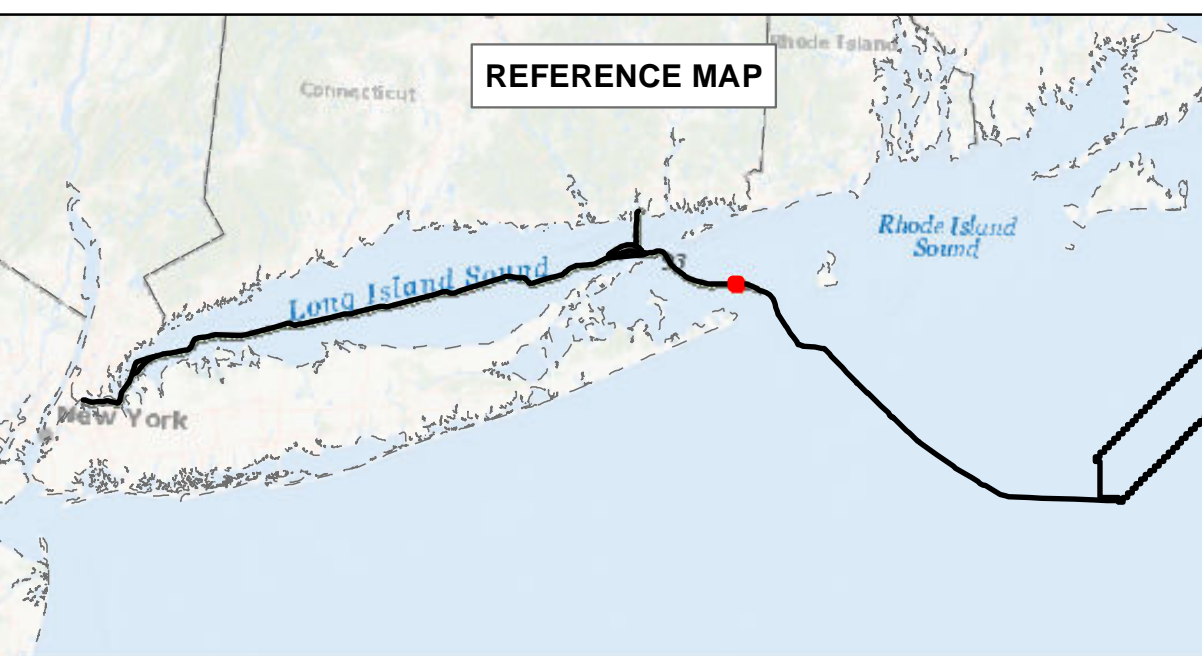
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ✦ Grab and Video       | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| <b>CMECS Biotic</b>    | ■ Sand/Soft Bottom Habitat                                       |
| ● Soft Sediment Fauna  | ■ Till/Complex Habitat   |
| <b>CMECS Substrate</b> | ■ Numerous Boulders/Large Grained Complex Habitat                |
| ● Muddy Sand           | ■ Heterogeneous Complex Habitat                                  |
| <b>CMECS Geofom</b>    | ■ Burrows/Bioturbation   |
| ● Burrows/Bioturbation | ■ Megaripples  |
|                        | ■ Sand Ripples   |
|                        | ■ Waves  |

Note:  
1) Legend only shows items visible in the current map extent.

Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

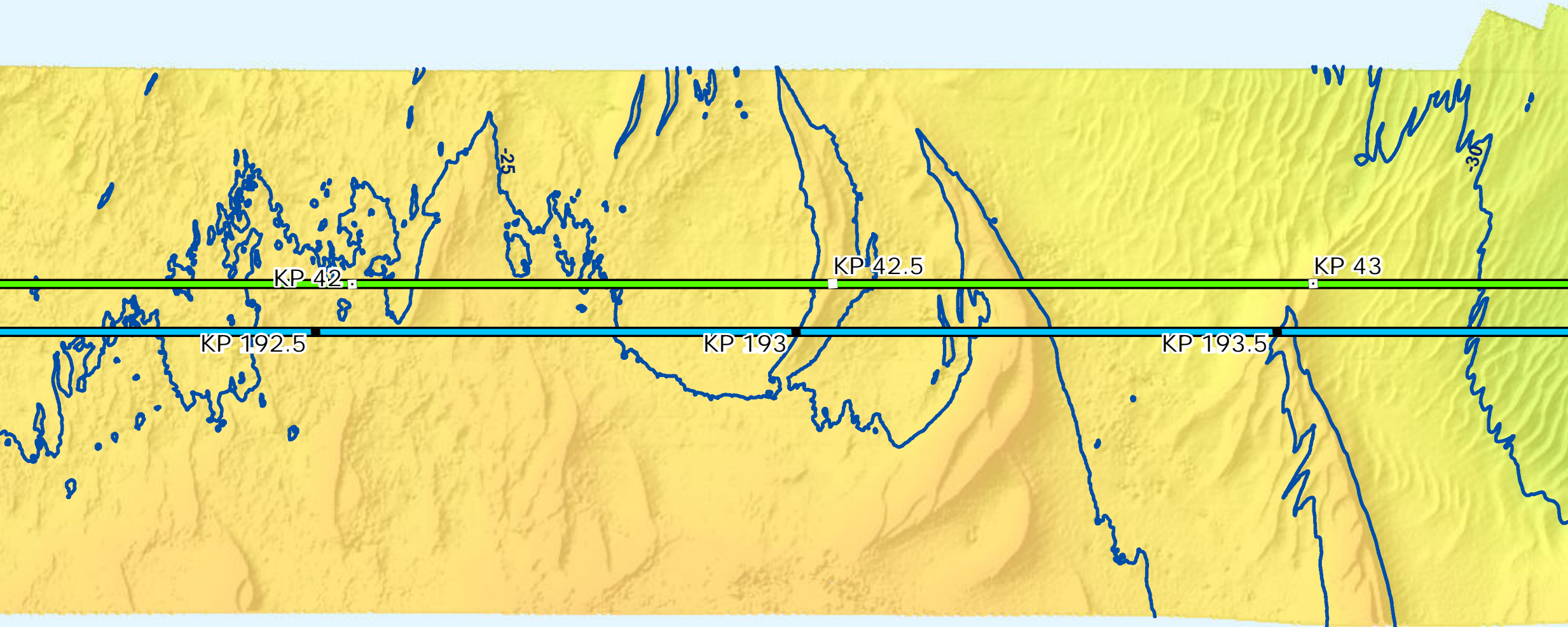
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 147

BW1 (NY) - KP 191 - KP 192  
BW2 (NY) - KP 191 - KP 192  
BW2 (CT) - KP 40.5 - KP 41.5



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



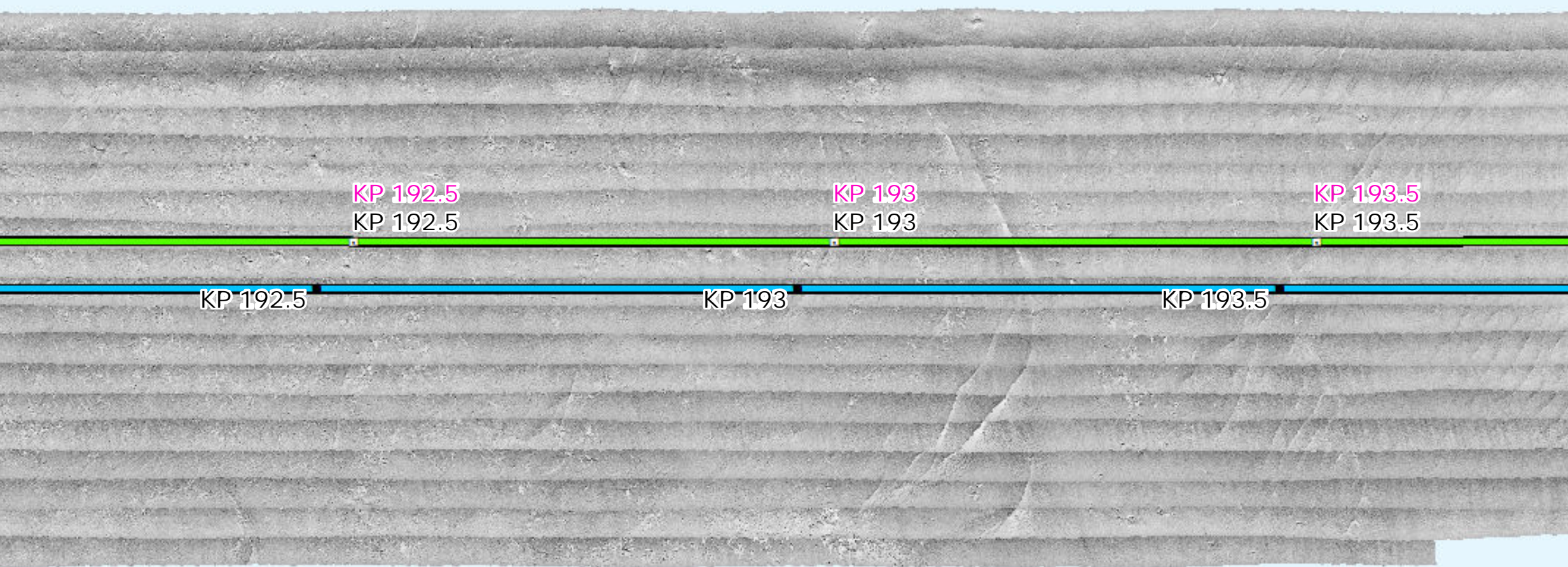
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



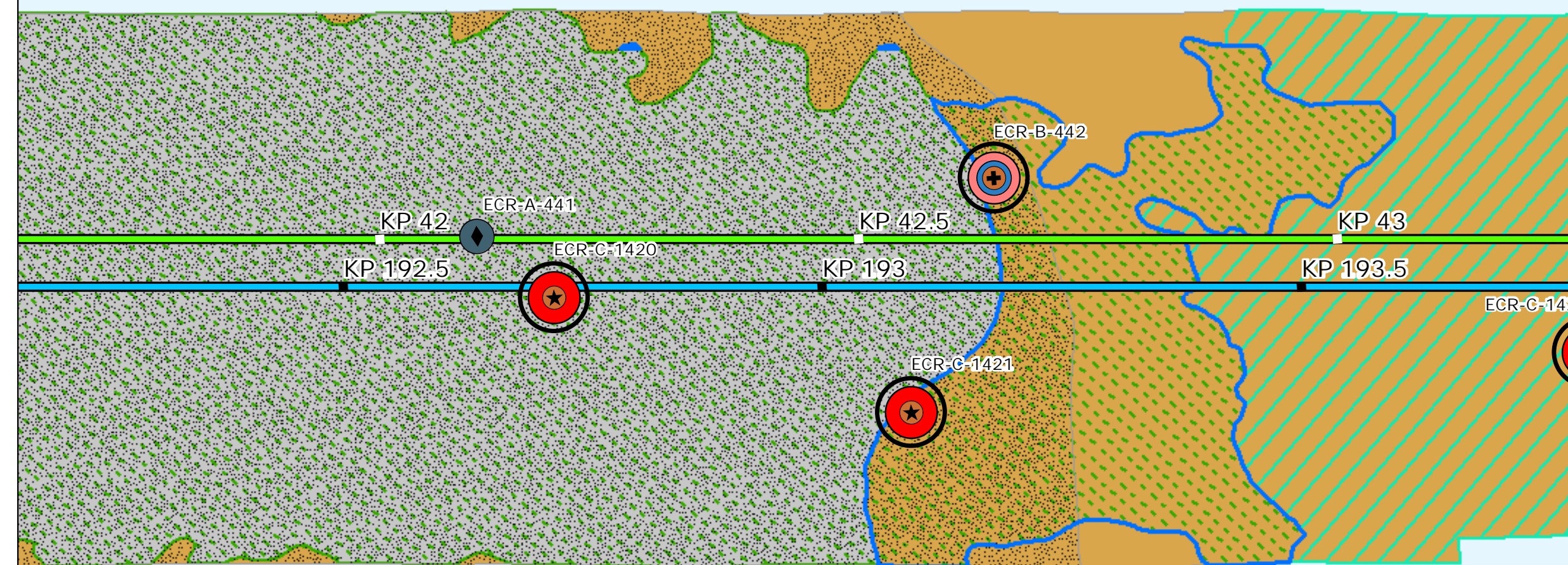
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)

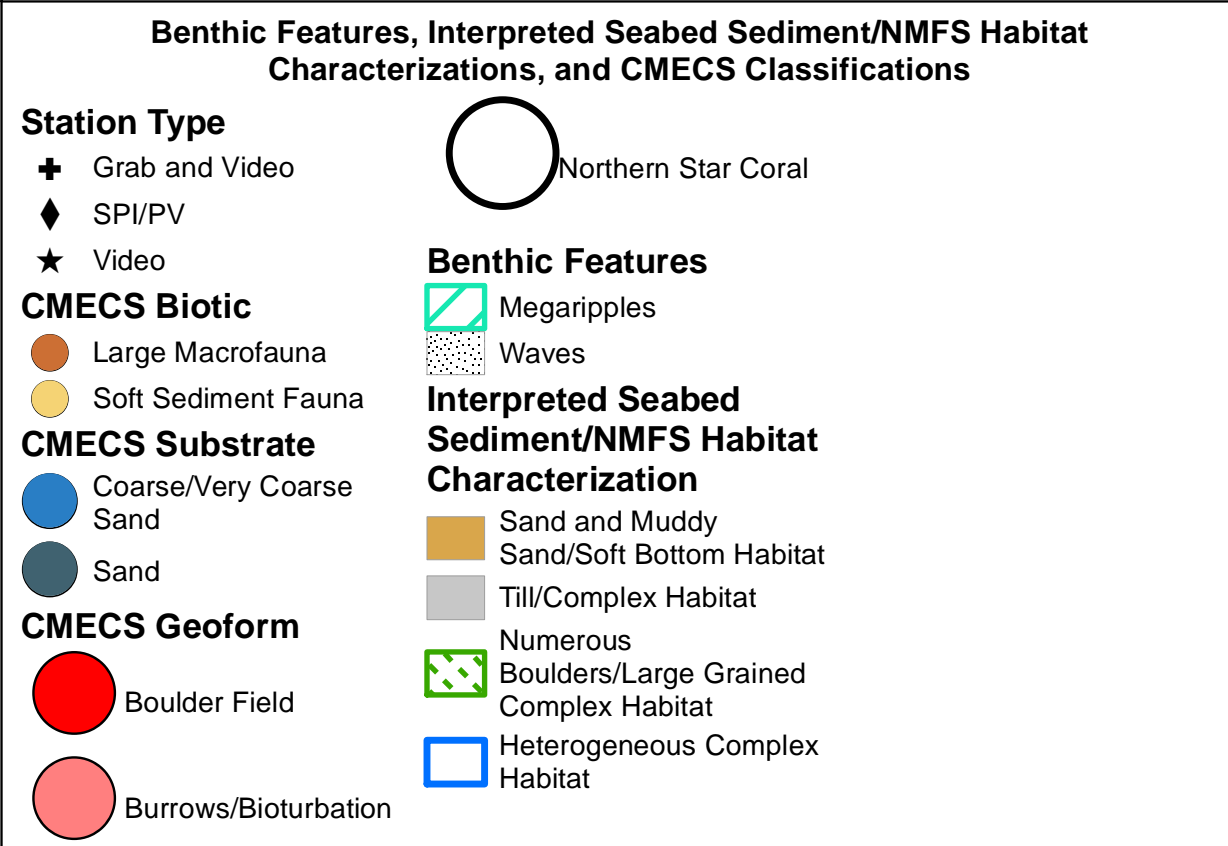
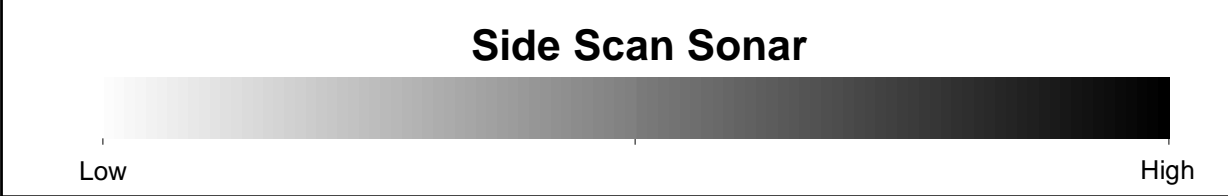
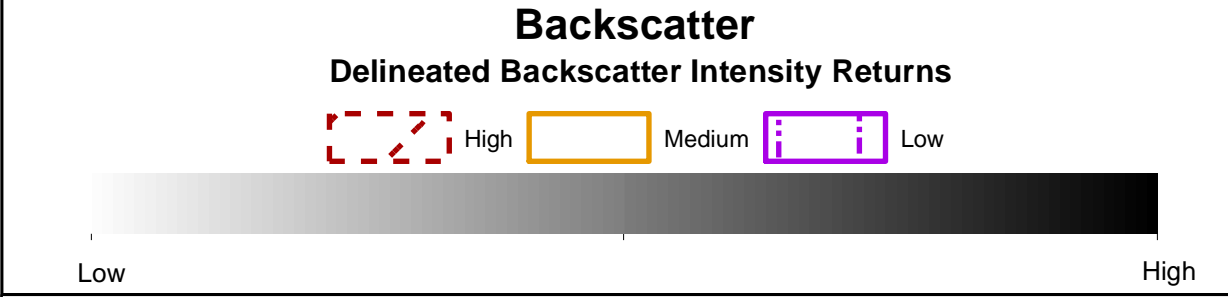
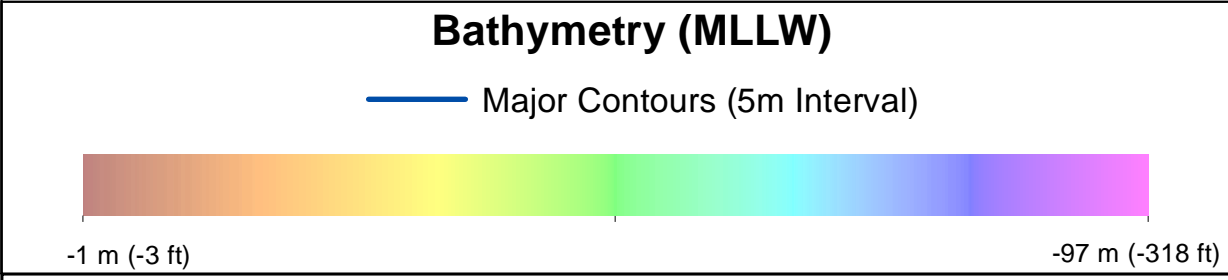
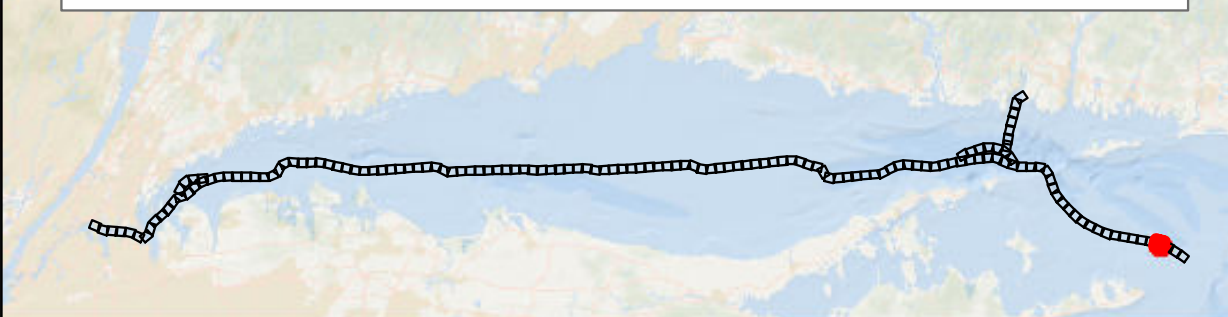


# Interpreted Seabed Sediment/NMFS Habitat Characterization

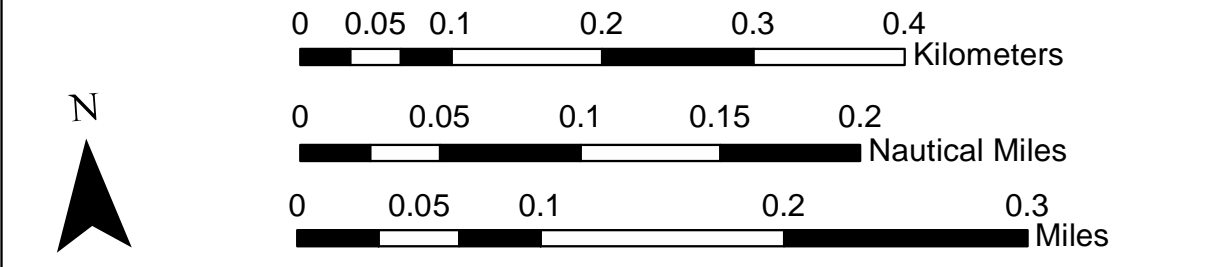
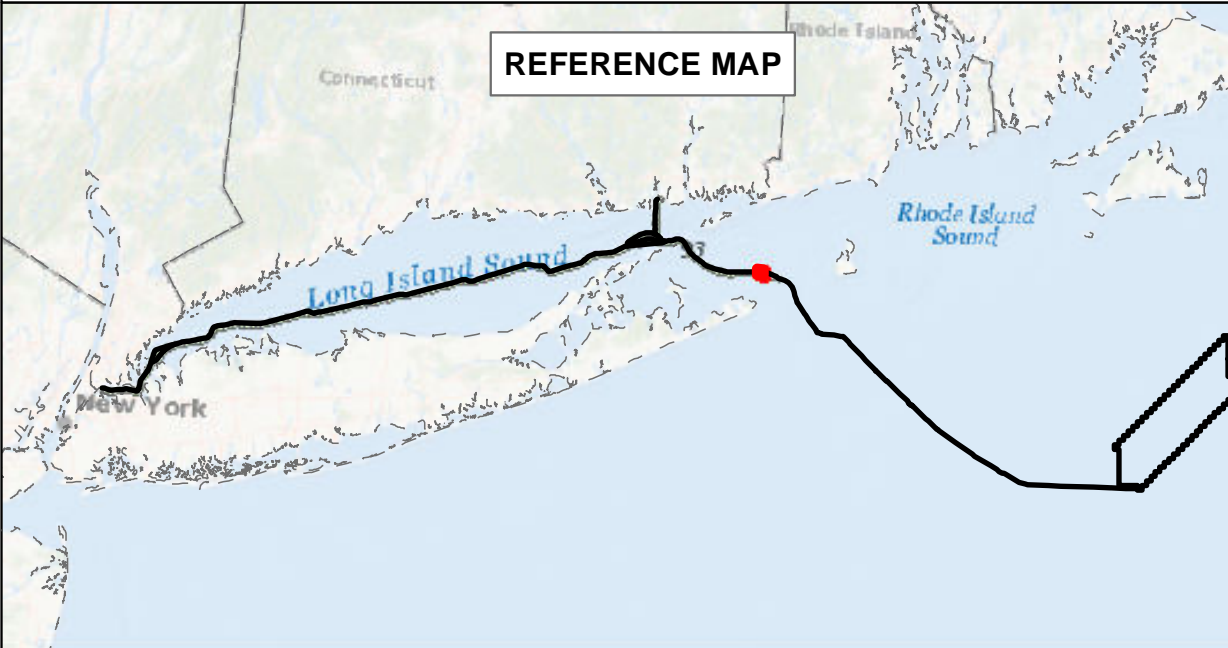
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



Prepared by: AECOM  
Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 148

BW1 (NY) - KP 192.5 - KP 193.5  
 BW2 (NY) - KP 192.5 - KP 193.5  
 BW2 (CT) - KP 42 - KP 43



# Bathymetry

Sources: ESRI (2019), Bathymetry (MMT, 2021)



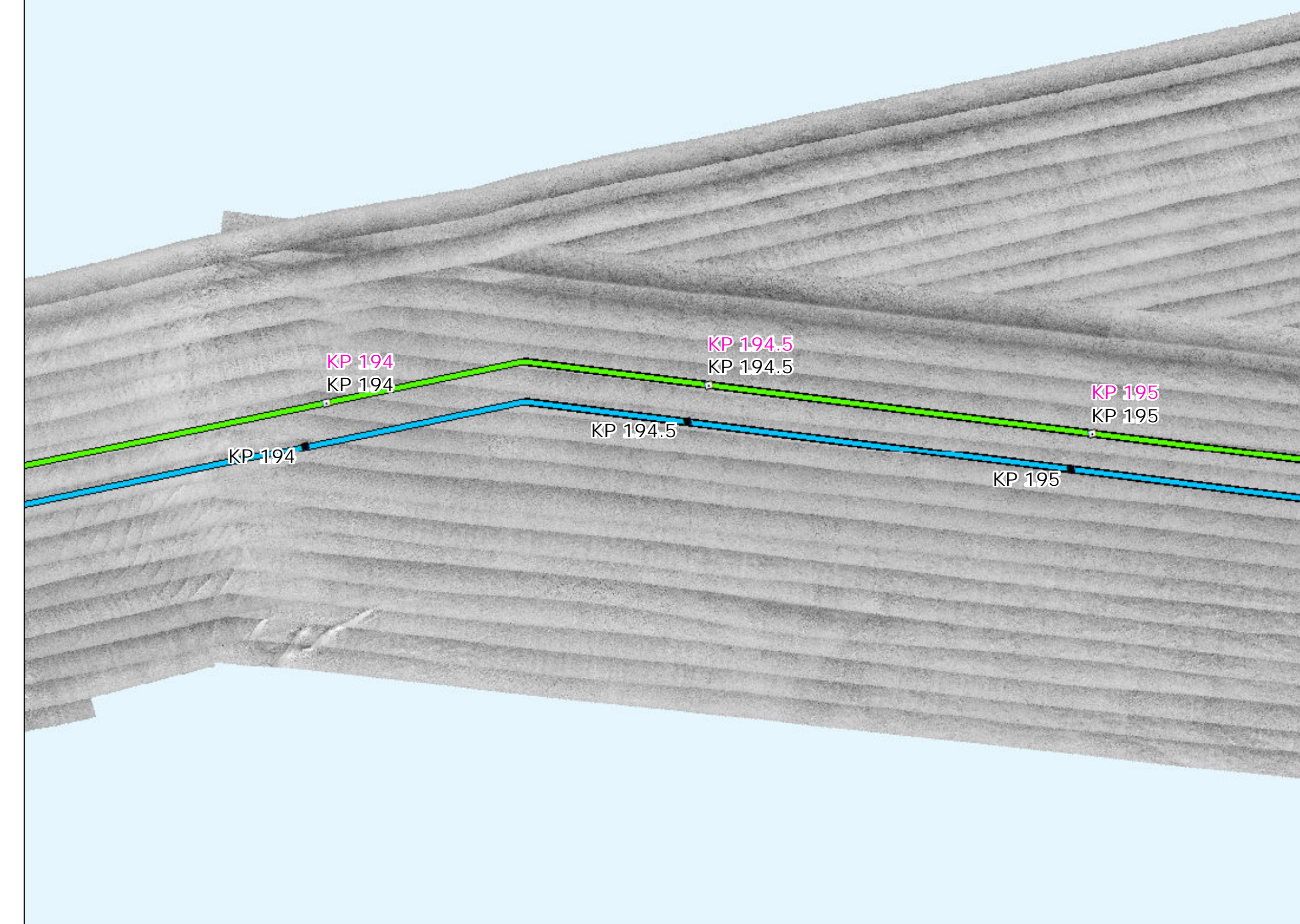
# Backscatter

Sources: ESRI (2019), Backscatter (MMT, 2021), TetraTech (October 2022)



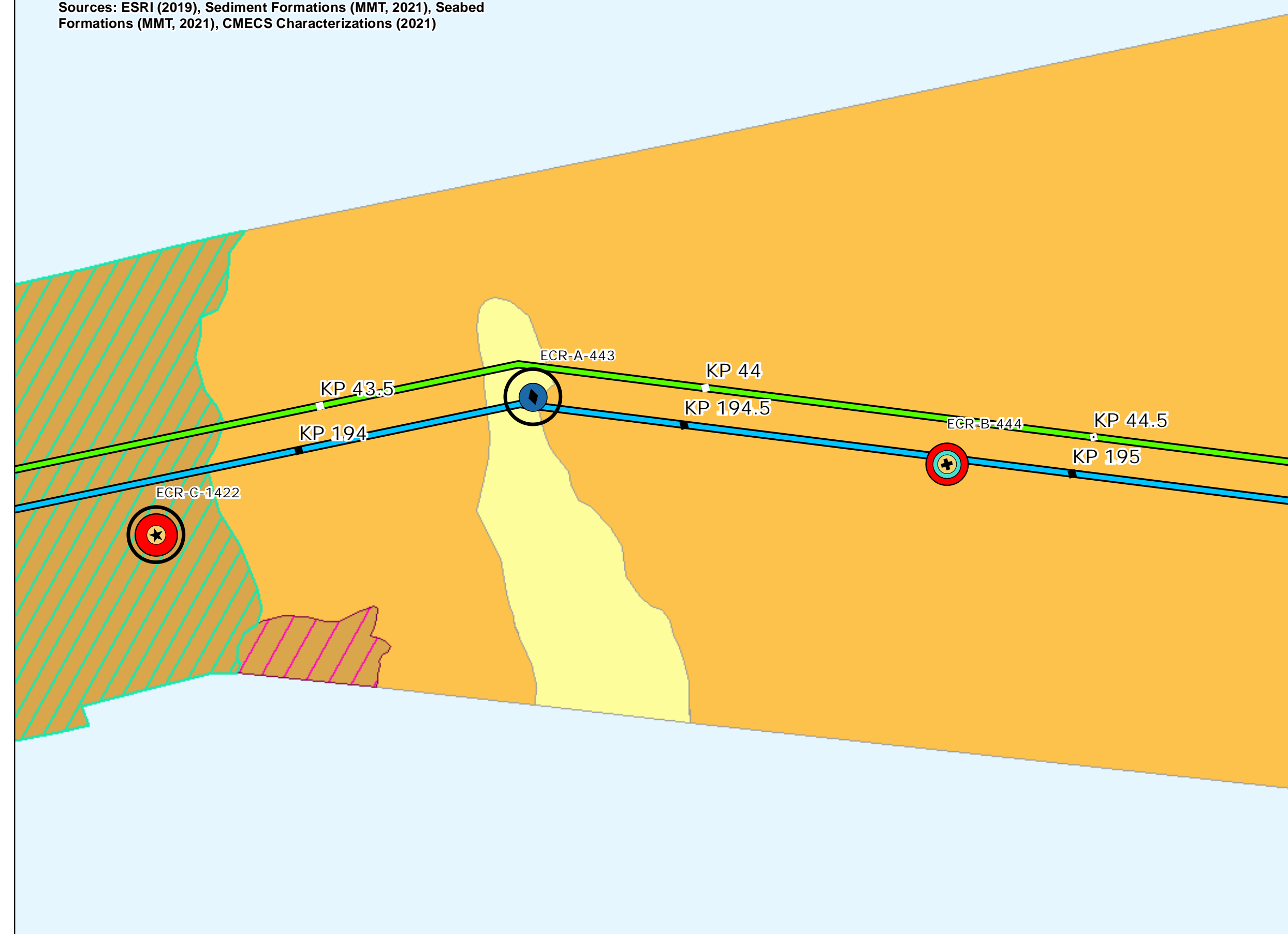
# Side Scan Sonar

Sources: ESRI (2019), Side Scan (MMT, 2021)



# Interpreted Seabed Sediment/NMFS Habitat Characterization

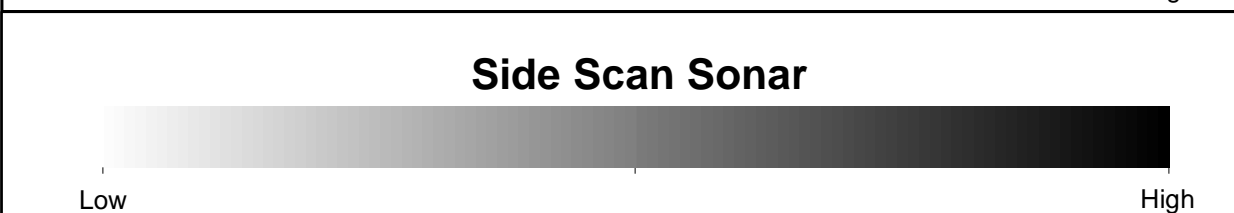
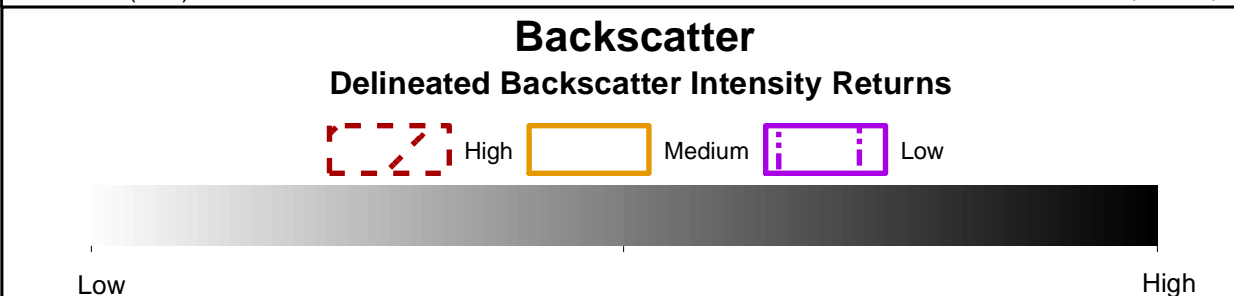
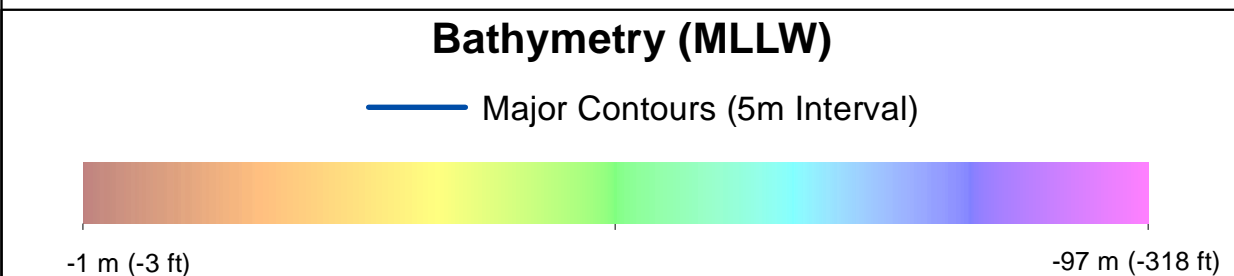
Sources: ESRI (2019), Sediment Formations (MMT, 2021), Seabed Formations (MMT, 2021), CMECS Characterizations (2021)



# Map Book Package for Submarine Export Cable Route in State Waters



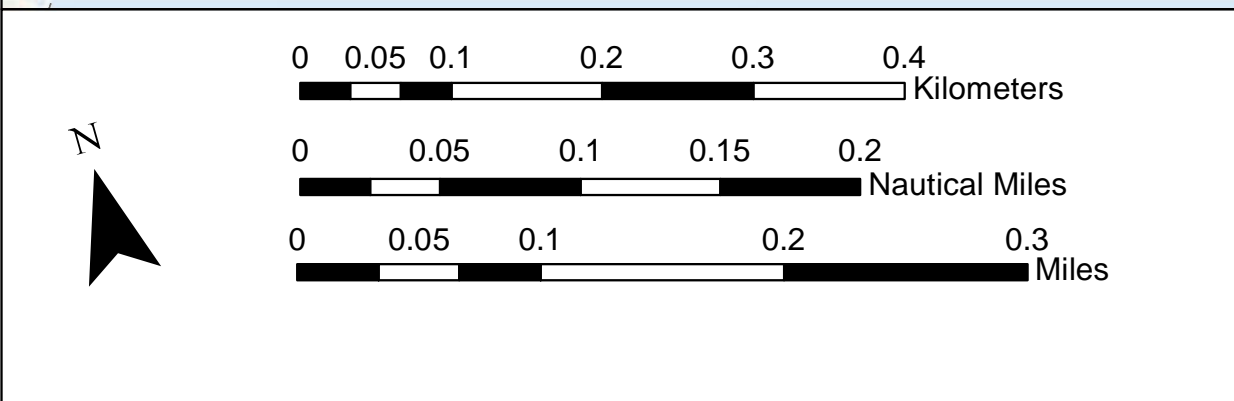
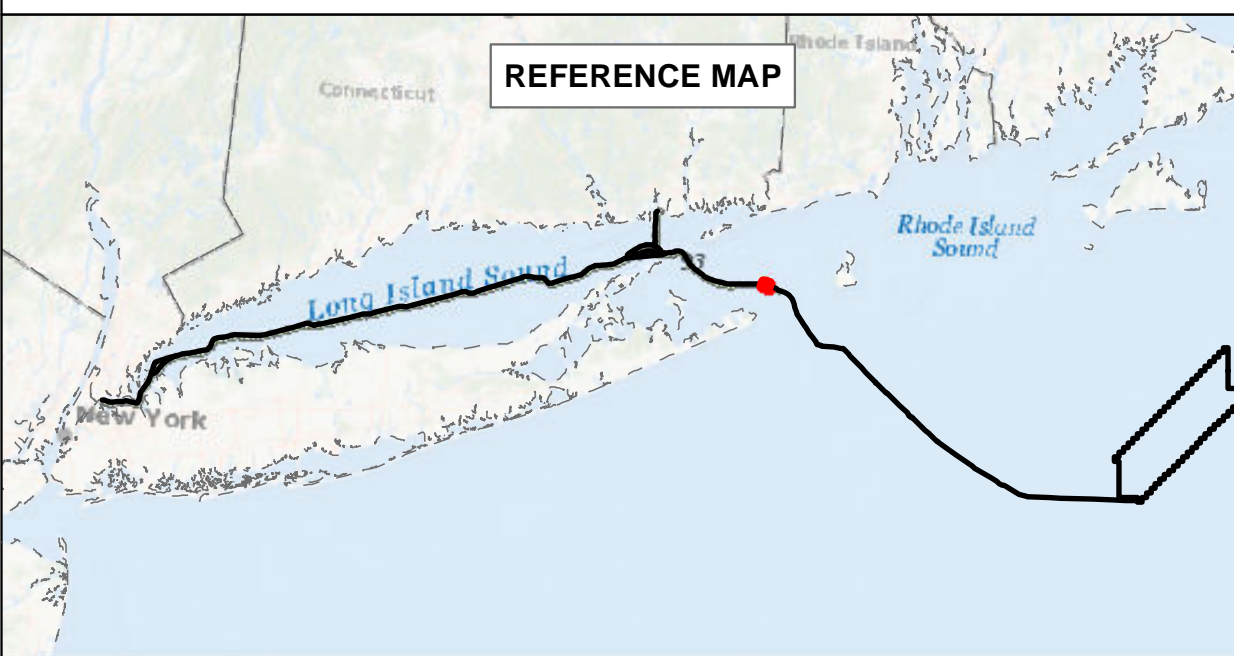
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- ### Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications
- |                            |  |
|----------------------------|--|
| <b>Station Type</b>        | <b>Benthic Features</b>  |
| ✦ Grab and Video           | ▢ Megaripples  |
| ◆ SPI/PV                   | ▢ Sand Ripples   |
| ★ Video                    |  |
| <b>CMECS Biotic</b>        | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ● Soft Sediment Fauna      | ■ Mud and Sandy Mud/Soft Bottom Habitat                          |
| <b>CMECS Substrate</b>     | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ● Crepidula Reef Substrate | ■ Mixed Sediment/Complex Habitat                                 |
| ● Muddy Sandy Gravel       |  |
| <b>CMECS Geofom</b>        |  |
| ● Boulder Field            |  |
| ○ Northern Star Coral      |  |

Note:  
1) Legend only shows items visible in the current map extent.

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Date: 3/1/2023  
Scale: 1:5000



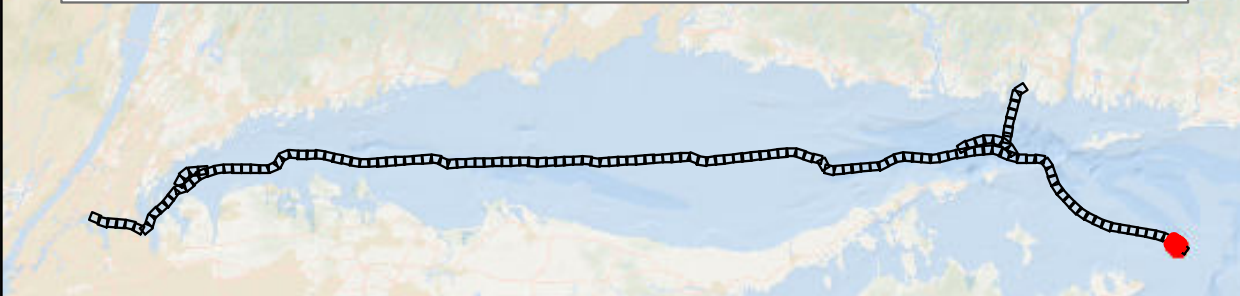
### BEACON WIND LEASE AREA OCS-A 0520

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 149

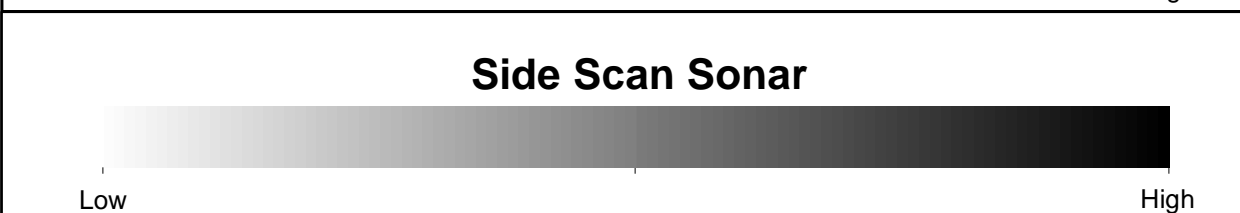
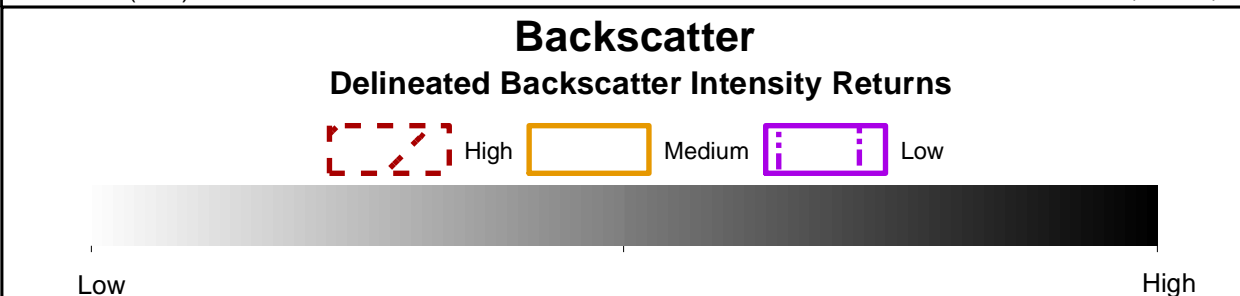
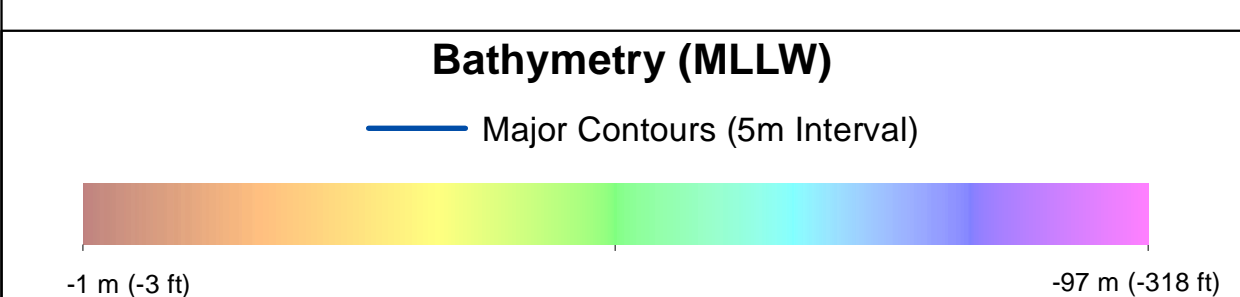
BW1 (NY) - KP 194 - KP 195  
BW2 (NY) - KP 194 - KP 195  
BW2 (CT) - KP 43.5 - KP 44.5



**Map Book Package for Submarine Export Cable Route in State Waters**

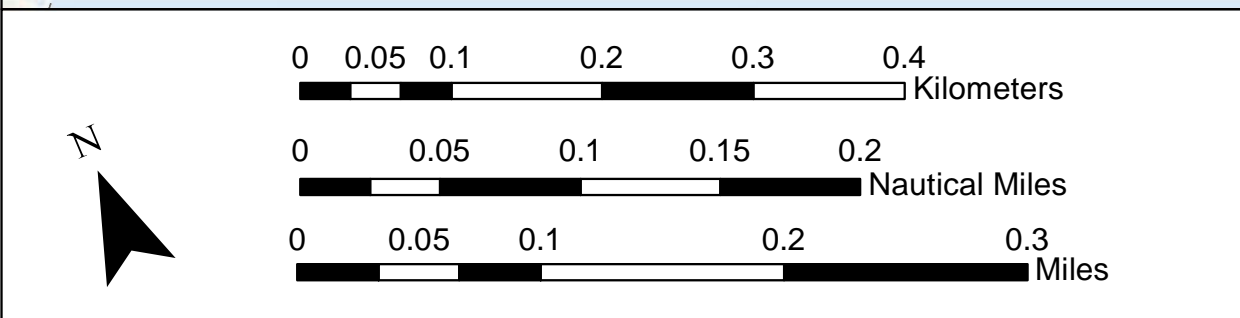
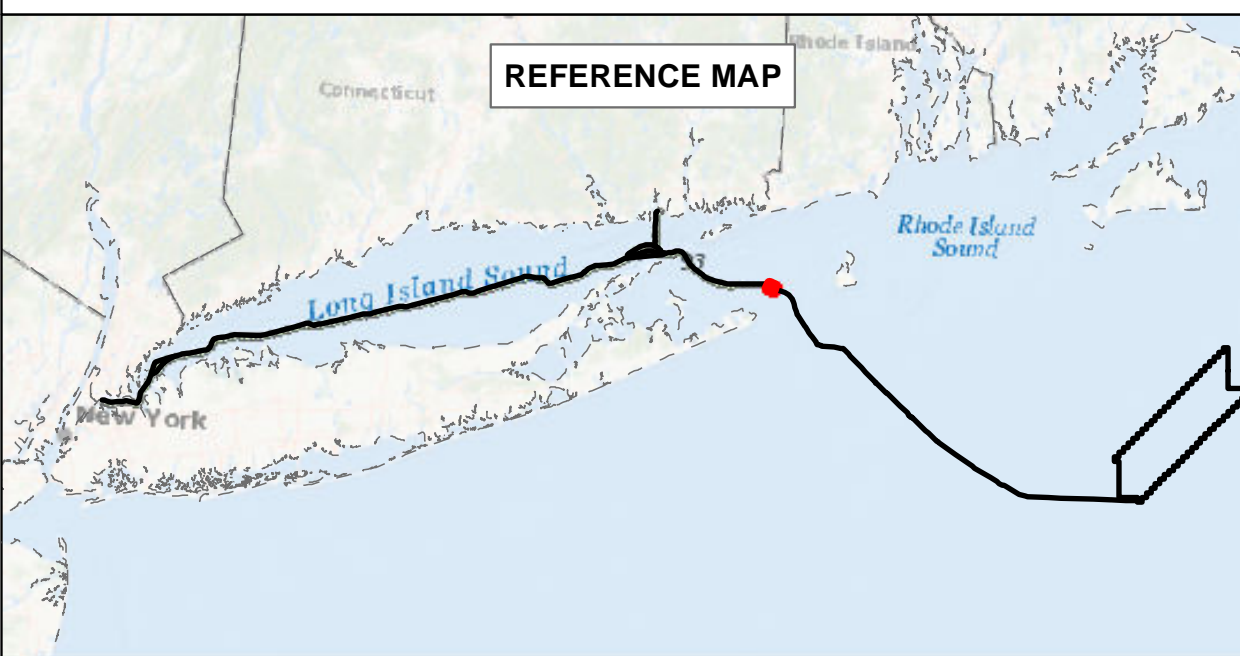


- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- BW1 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- Station Type**
- ◆ SPI/PV
- CMECS Substrate**
- Gravelly
- Benthic Features**
- ▨ Megaripples
  - ▨ Sand Ripples
  - ▨ Waves
- Interpreted Seabed Sediment/NMFS Habitat Characterization**
- Mixed Sediment/Complex Habitat
- Note:  
1) Legend only shows items visible in the current map extent.

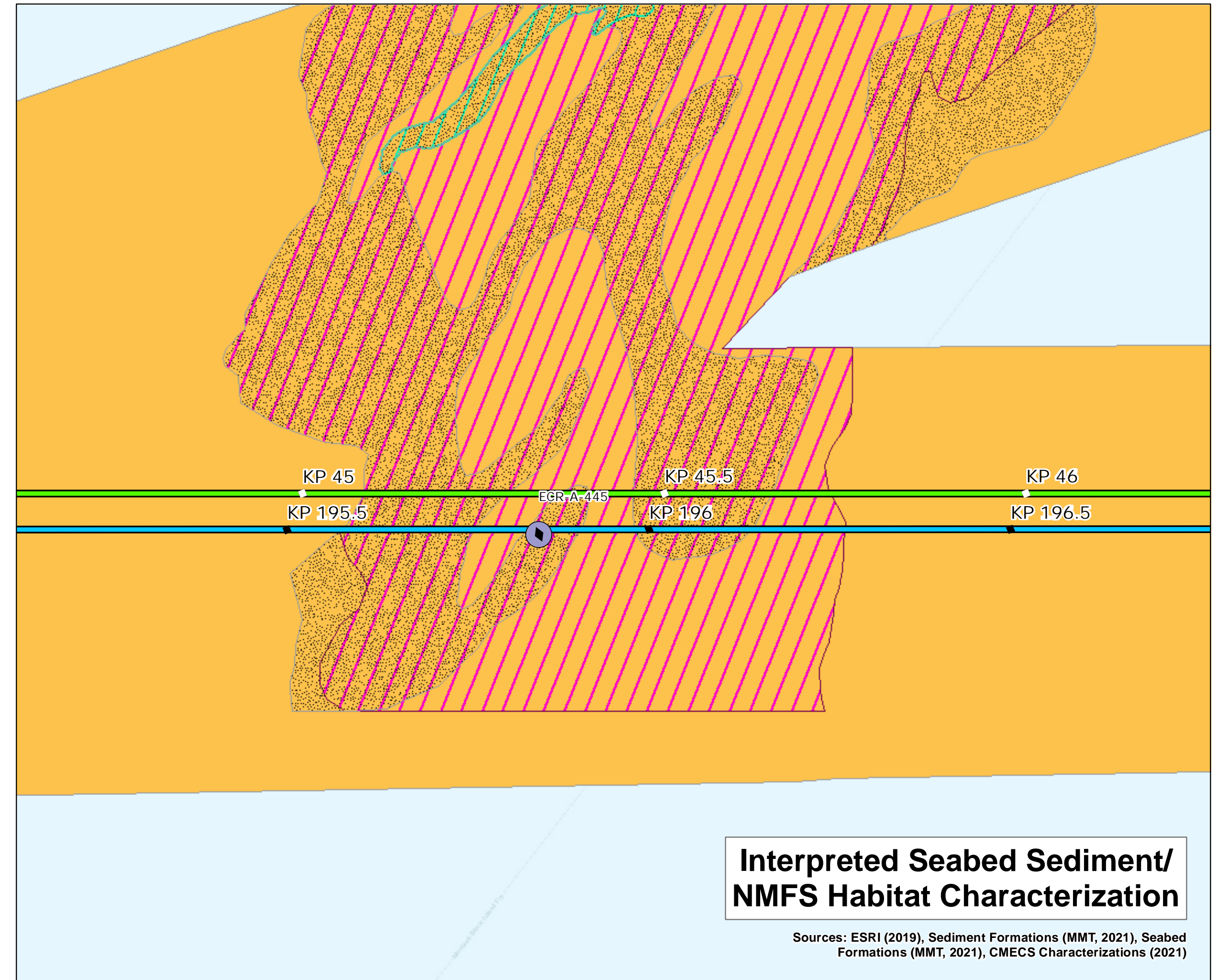
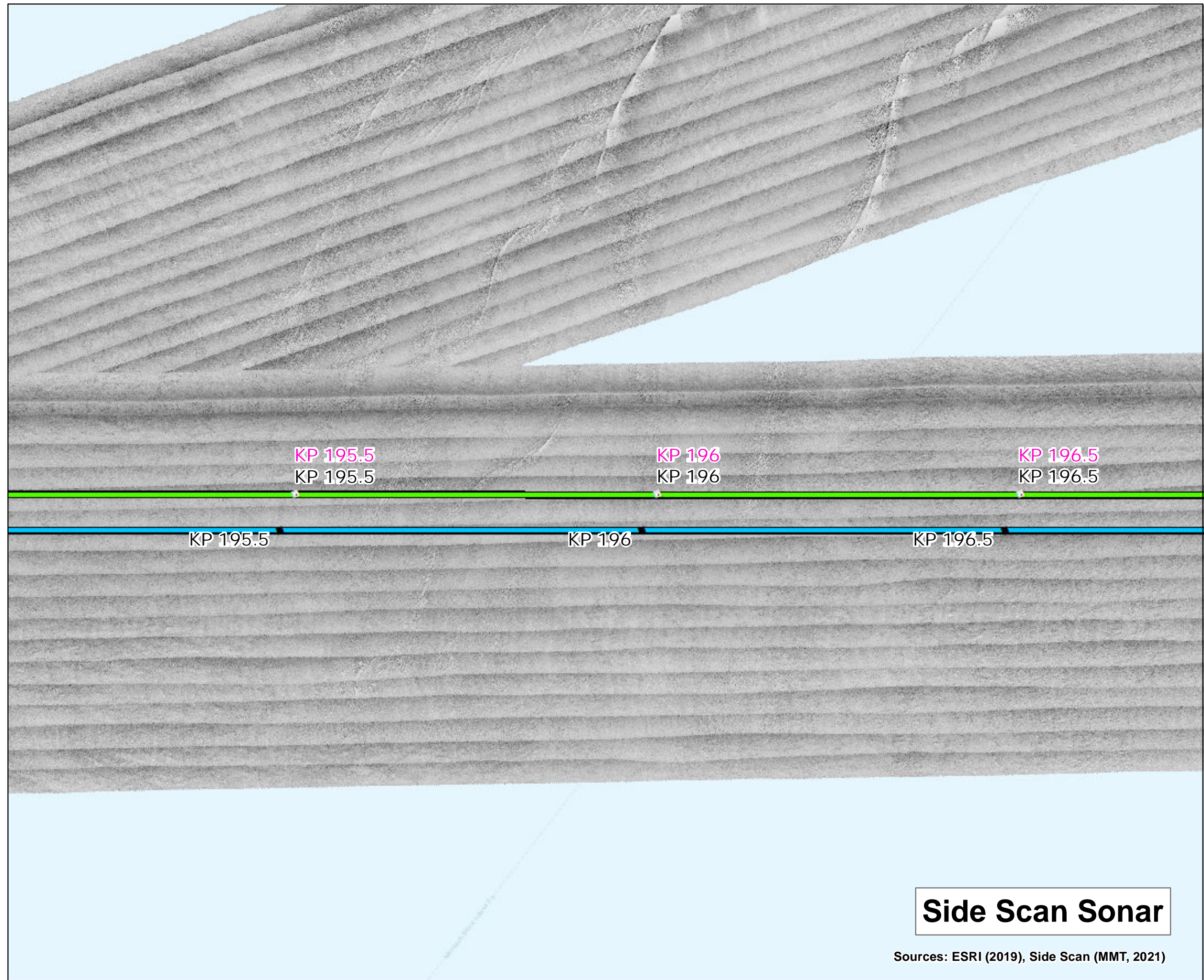
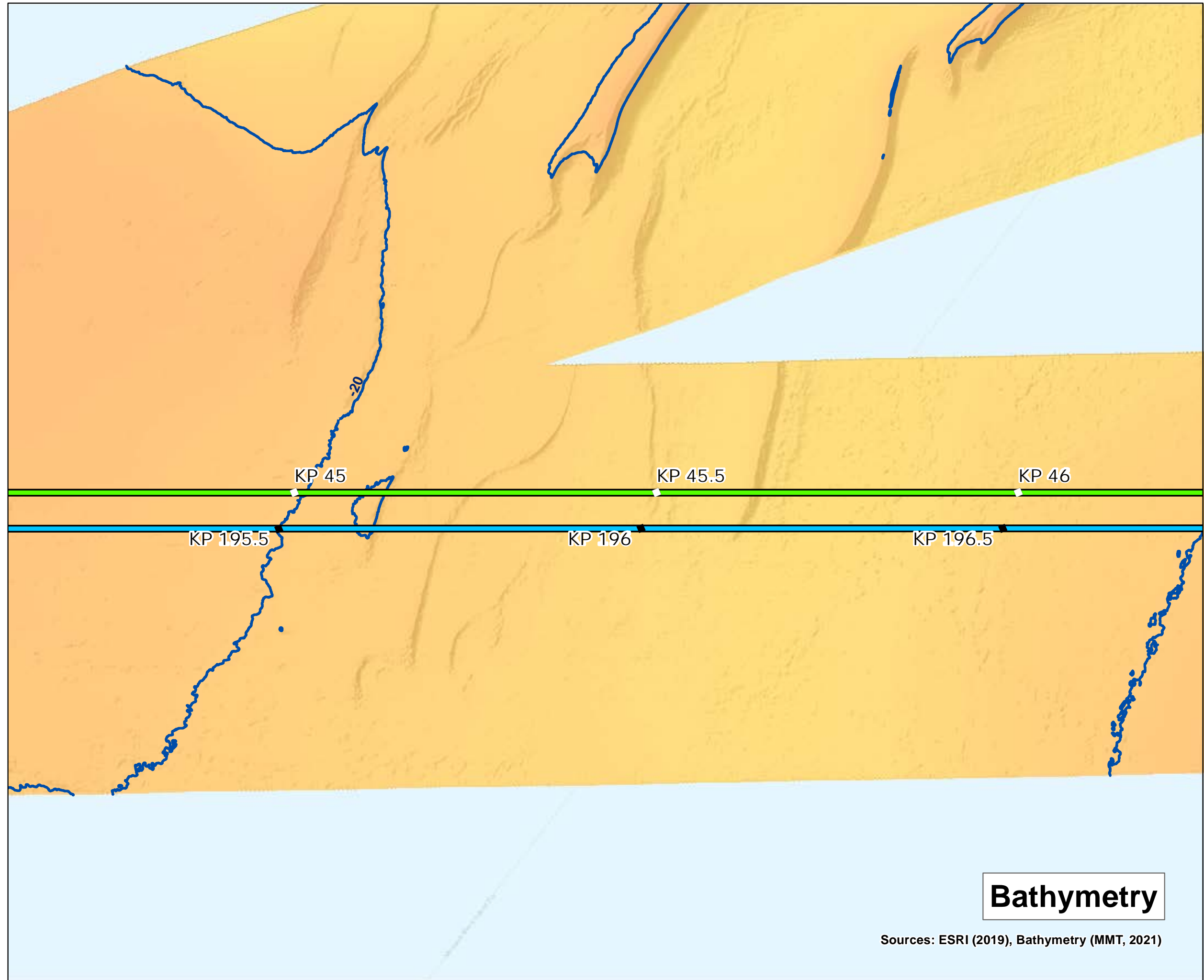
Prepared by: AECOM  
Date: 3/1/2023



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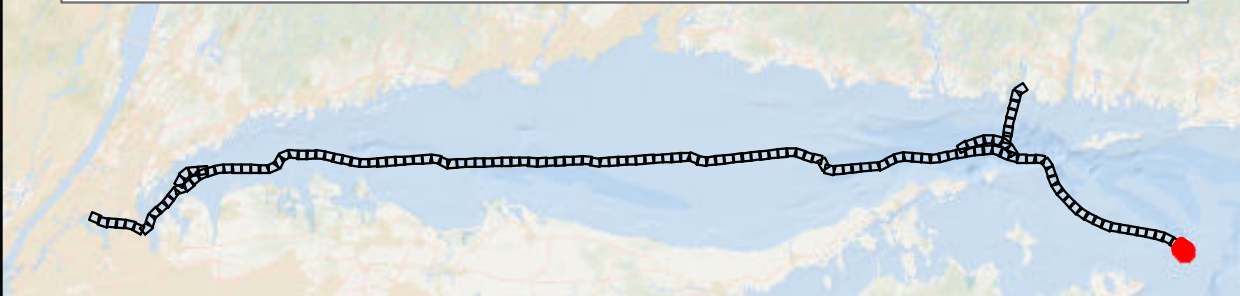
Map Book Package for Submarine Export Cable Route in State Waters  
Tile 150

BW1 (NY) - KP 195.5 - KP 196.5  
BW2 (NY) - KP 195.5 - KP 196.5  
BW2 (CT) - KP 45 - KP 46

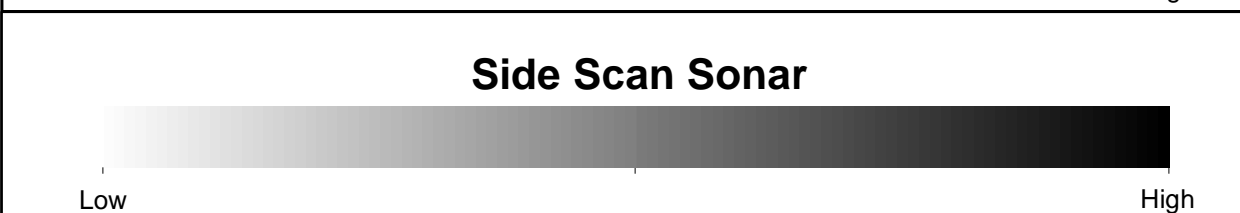
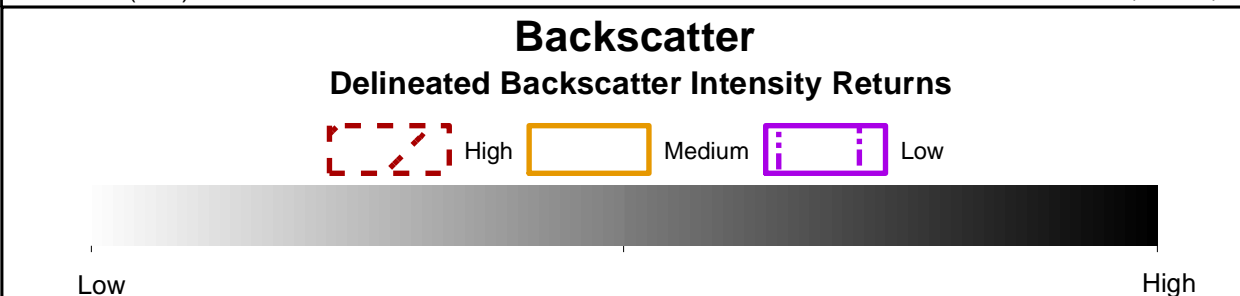
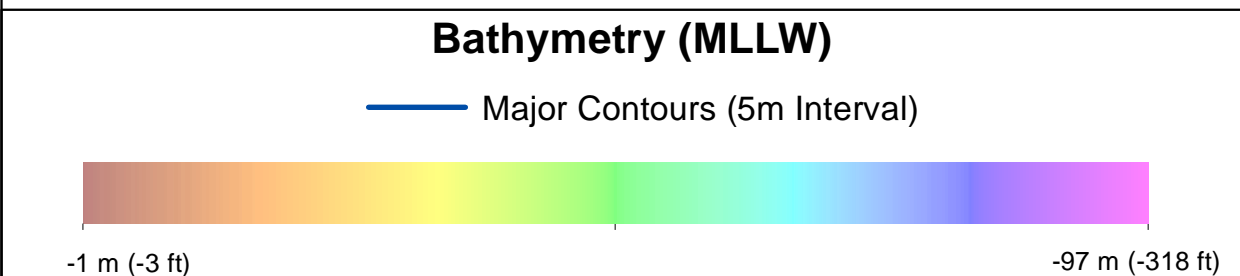




**Map Book Package for Submarine Export Cable Route in State Waters**



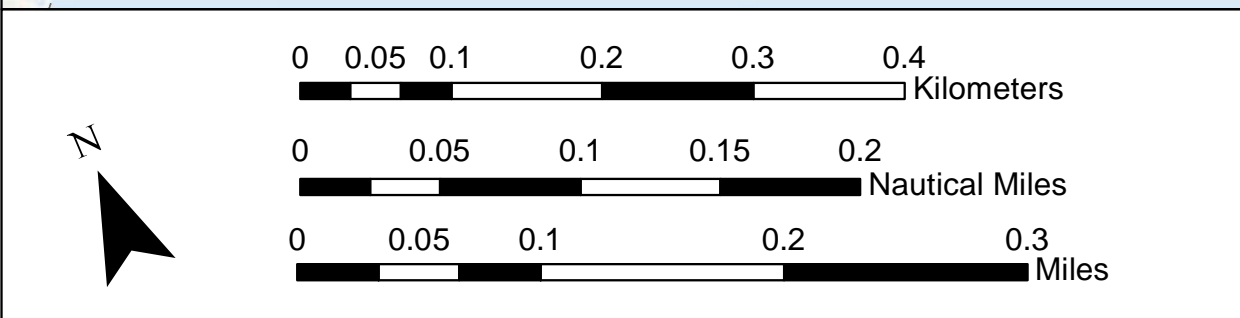
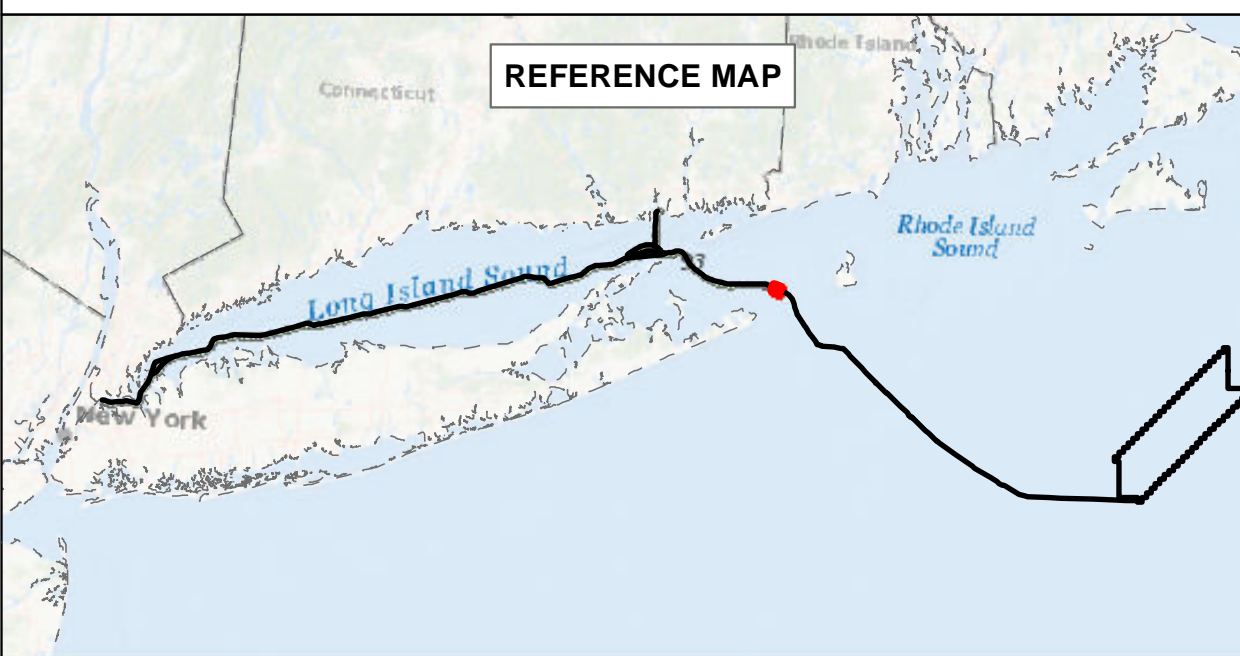
- BW1 KPs
- BW1 and BW2 KPs
- BW2 Submarine Export Cable Route (v13)
- State Waters Boundary
- BW1 Submarine Export Cable Route (v13)



- Benthic Features, Interpreted Seabed Sediment/NMFS Habitat Characterizations, and CMECS Classifications**
- |                        |  |
|------------------------|--|
| <b>Station Type</b>    | ○ Northern Star Coral  |
| ◆ SPI/PV               |  |
| ★ Video                |  |
| <b>CMECS Biotic</b>    | <b>Benthic Features</b>  |
| ○ Attached Fauna       | ▨ Sand Ripples   |
| ● Crepidula spp. Beds  | ▨ Waves  |
| <b>CMECS Substrate</b> | <b>Interpreted Seabed Sediment/NMFS Habitat Characterization</b> |
| ● Gravel               | ■ Sand and Muddy Sand/Soft Bottom Habitat                        |
| ● Boulder Field        | ■ Mixed Sediment/Complex Habitat                                 |
| ● Burrows/Bioturbation | ■ Habitat  |

Note:  
1) Legend only shows items visible in the current map extent.

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Date: 3/1/2023  
Scale: 1:5000



**BEACON WIND LEASE AREA OCS-A 0520**

Map Book Package for Submarine Export Cable Route in State Waters  
Tile 151

BW1 (NY) - KP 197 - 198  
BW2 (NY) - KP 197 - 198  
BW2 (CT) - KP 46.5 - KP 47.5

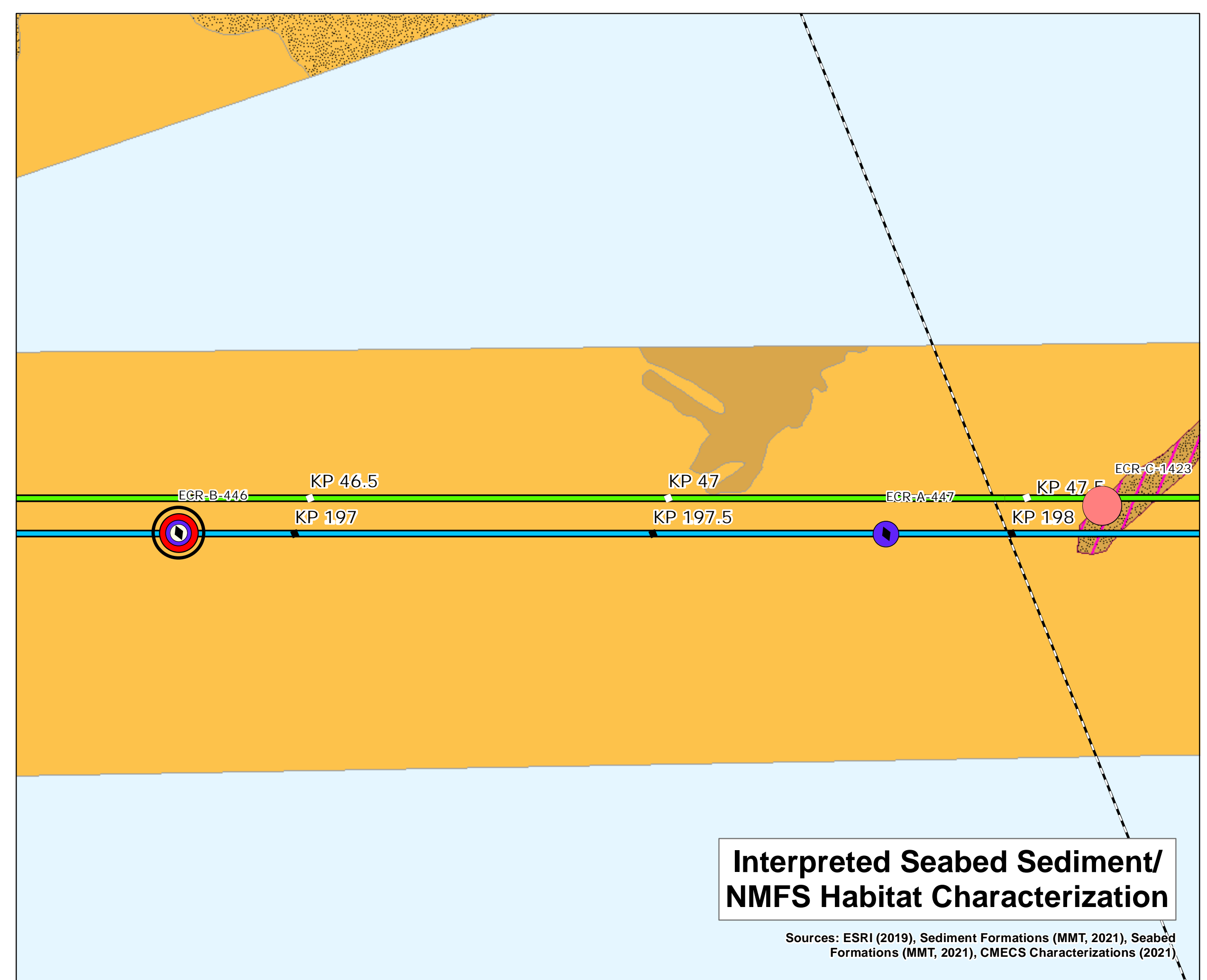
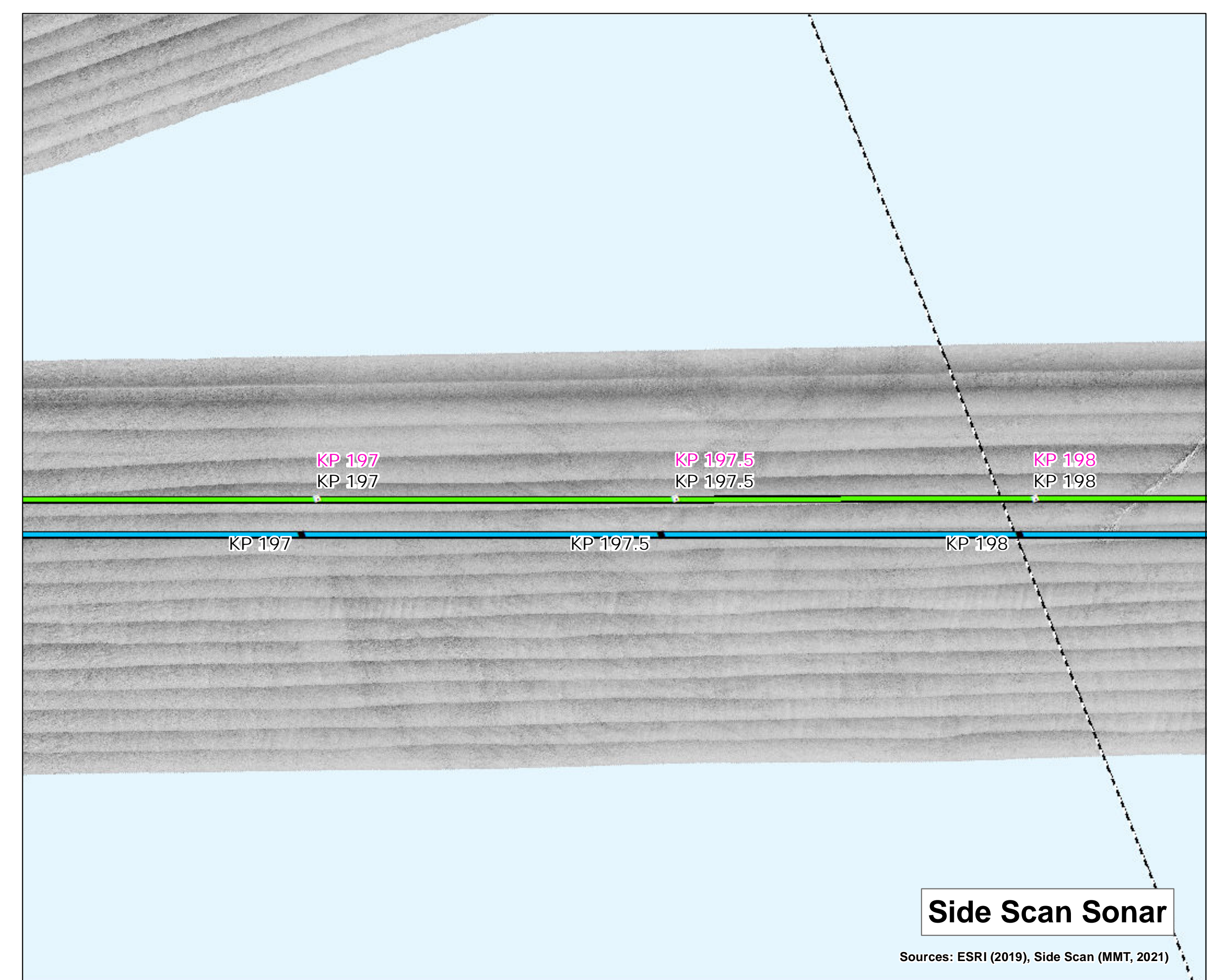
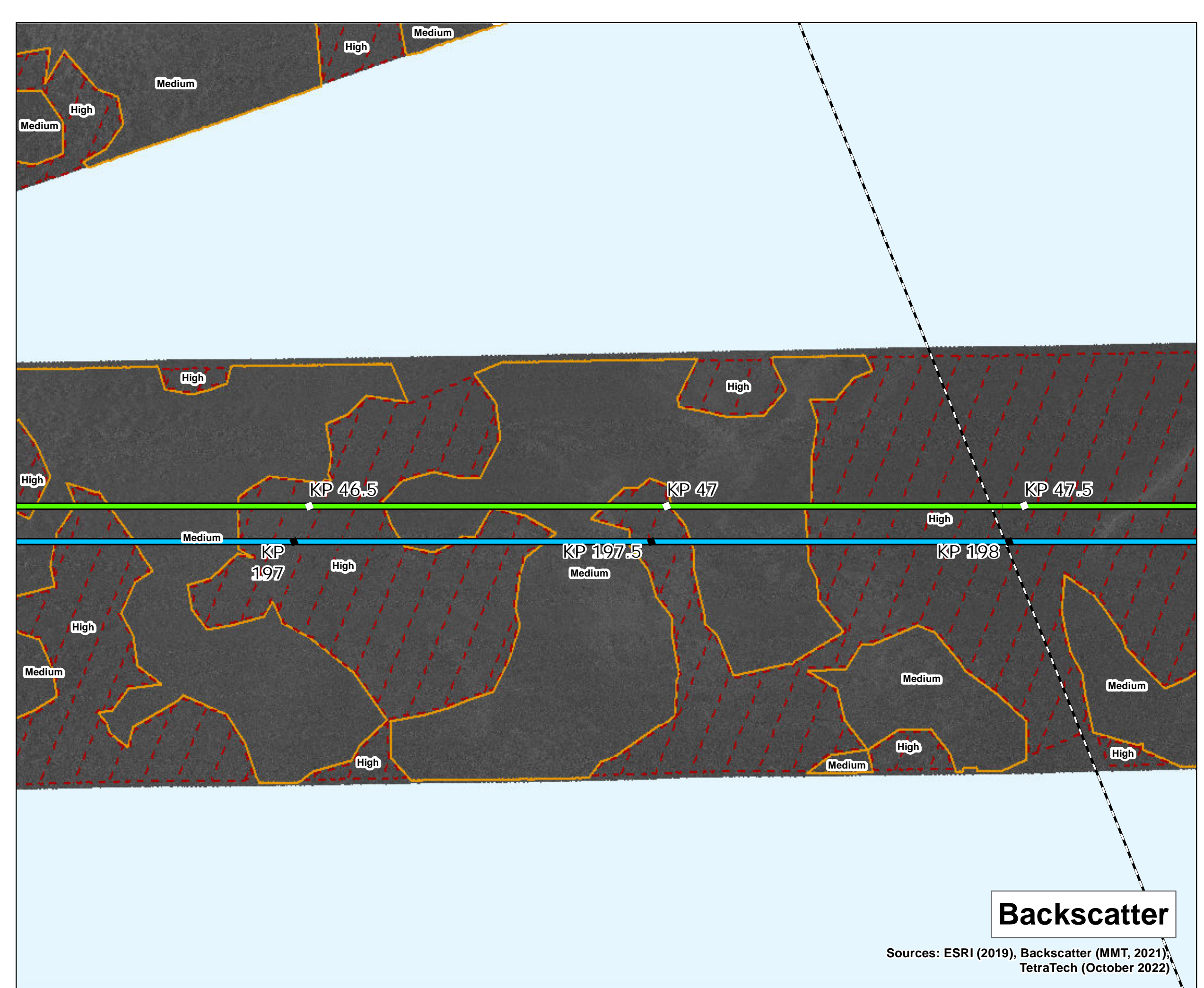
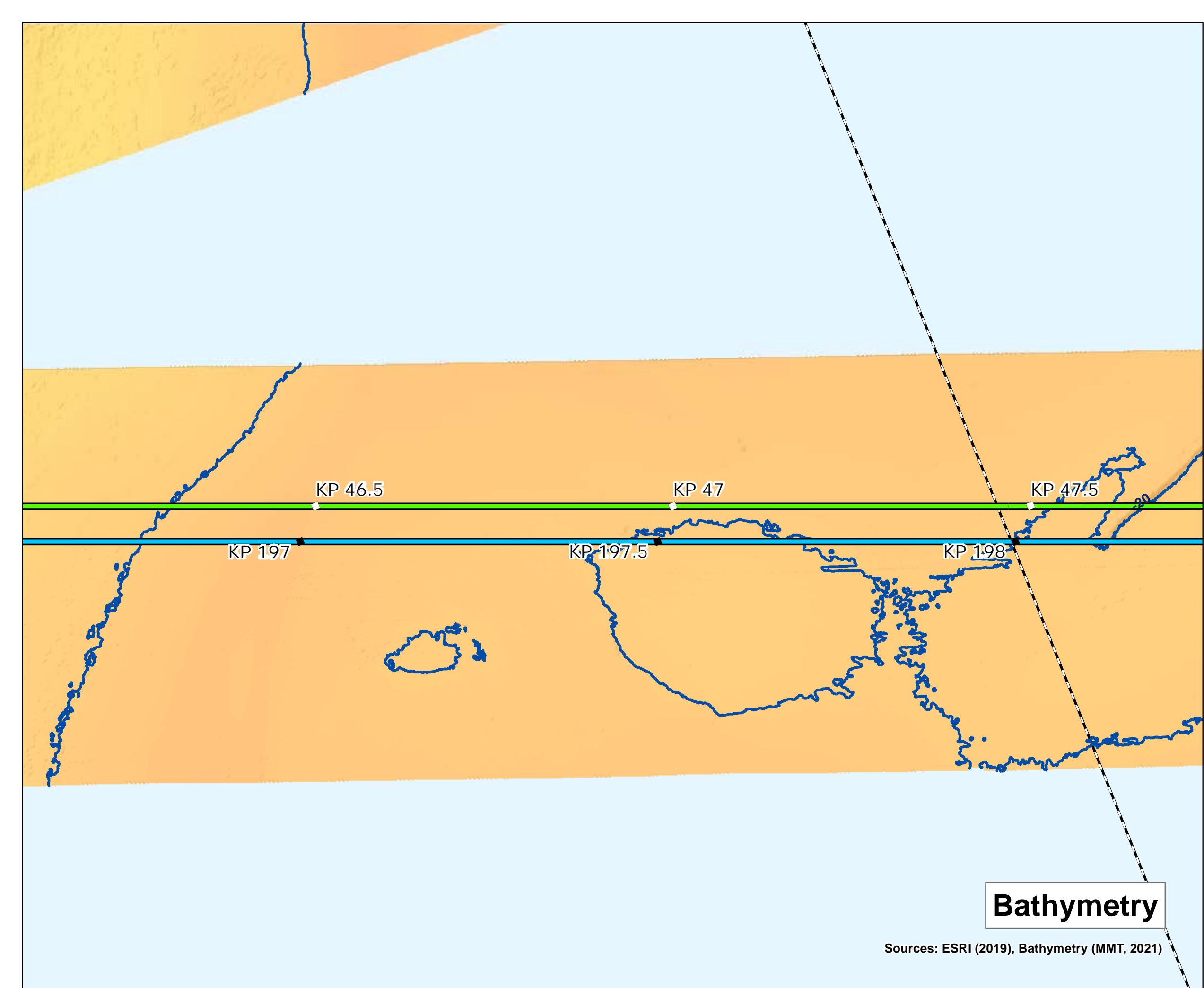






Photo credit: Matt Goldsmith, Equinor