

| Shellfish Lease Investigation Report | |
|---|---|
| Investigation Date | 4/17/2024 |
| Applicants name | 35 North Mariculture, LLC/Isaiah L. Smith |
| Lease Number | 24-011BL/24-012WC |
| County | Carteret |
| Waterbody/location | North Bay |
| Proposed Lease Size (acres) | 5.2 |
| Lease Type | Bottom/Water Column |
| Investigation Team | S. Tripp, R. Miller, E. Ellis, A. Frost, R. Farnell |
| Gear Used | 766 - Patent Tong |
| Sediment Type | 8 - Sand |
| Bottom Composition | O - no grass |
| Depth (m) | 1 |
| Tidal Stage | Wind Tides |
| Water Temperature (°C) | 20.1 |
| Salinity (ppt) | 20.45 |
| Dissolved Oxygen (mg/L) | 6.7 |
| Comments on SAV in or around Proposed Lease location | None |
| Other Species Collected | None |
| In PNA? | No |
| In Polluted Area? | No: Approved |
| In Mechanical Clam Harvest Area? | No |
| In Oyster Mechanical Methods Prohibited Area | Yes |
| Other Comments | |

| Application Coordinates | | Modified Coordinates | | Actual Coordinates | |
|-------------------------|------------|----------------------|------------|--------------------|------------|
| 35.016499 | -76.334730 | 35.016499 | -76.334730 | 35.016491 | -76.334723 |
| 35.015743 | -76.335608 | 35.015758 | -76.335591 | 35.015548 | -76.332881 |
| 35.014883 | -76.333921 | 35.014883 | -76.333921 | 35.014892 | -76.333915 |
| 35.015549 | -76.332776 | 35.015549 | -76.332776 | 35.015744 | -76.335579 |

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: 35 North Mariculture, LLC/Isaiah L. Smith

Proposed Lease #: 24-0118L/24-012WC

Date: 4/17/2024

Lease size: 5.2 acres # of Samples: 137

| Sample # | Presence of SAV Density class | # of Oysters (Eastern Oyster) | # of Clams (Quahogs) | # of Scallops | Date collected | Comments | Bottom Comp. | Sediment Type |
|----------|-------------------------------|-------------------------------|----------------------|---------------|----------------|----------|--------------|---------------|
| 1 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 2 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 3 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 4 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 5 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 6 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 7 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 8 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 9 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 10 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 11 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 12 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 13 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 14 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 15 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 16 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 17 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 18 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 19 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 20 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 21 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 22 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 23 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 24 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 27 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 28 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 29 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 30 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 31 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 32 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 33 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 34 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 35 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 36 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 37 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 38 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 39 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 40 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 41 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 42 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 43 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 44 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 45 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 46 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 47 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 48 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 49 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 50 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 51 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 52 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 53 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 54 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 55 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 56 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 57 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 58 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 59 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 60 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 61 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 62 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 63 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 64 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 65 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 66 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 67 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 68 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 69 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 70 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 71 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 72 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 73 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 74 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 75 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 76 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 77 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: 35 North Mariculture, LLC/Isaiah L. Smith

Proposed Lease #: 24-0118L/24-012WC

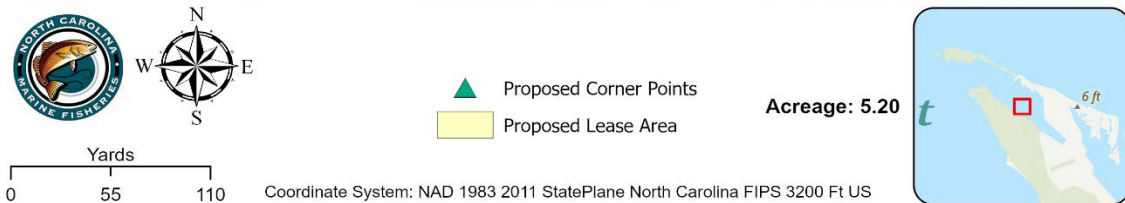
Date: 4/17/2024

Lease size: 5.2 acres # of Samples: 137

| Sample # | Presence of SAV Density class | # of Oysters (Eastern Oyster) | # of Clams (Quahogs) | # of Scallops | Date collected | Comments | Bottom Comp. | Sediment Type |
|---------------------------|----------------------------------|----------------------------------|-------------------------|---------------|----------------|-------------------------------------|--------------|------------------|
| 78 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 79 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 80 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 83 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 84 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 87 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 88 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 89 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 90 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 91 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 92 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 93 | 0 | 0 | 1 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 94 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 98 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 100 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 108 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 109 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 111 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 112 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 113 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 114 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 115 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 116 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 117 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 118 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 119 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 120 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 121 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 122 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 123 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 127 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 128 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 129 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
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| 132 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 133 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 134 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 135 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 136 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| 137 | 0 | 0 | 0 | 0 | 4/17/2024 | NA | O - no grass | 8 - Sand |
| | SAV | Oysters (Eastern Oyster) | Clams (Quahogs) | Scallops | | | | |
| | 0 | | | | 0% | OF SAMPLES CONTAINED SAV | | |
| TOTAL OF EACH SPECIES | | 0 | 1 | 0 | | | | |
| TOTAL BUSHELS PER SPECIES | | 0 | 0.0025 | 0 | 0.07 | TOTAL BUSHELS OF SHELLFISH PER ACRE | | |

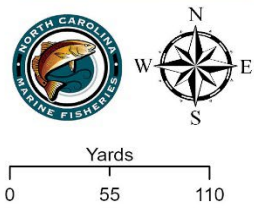
Proposed Lease ID/Number: 24-011BL/24-012WC
 35 North Mariculture, LLC, Isaiah L. Smith

Date: 12/19/2024



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- No SAV Present
- Proposed Lease Area

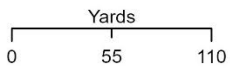
Acreage: 5.20

Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US



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Shellfish Present

- No
- Yes (Clams)
- Proposed Lease Area

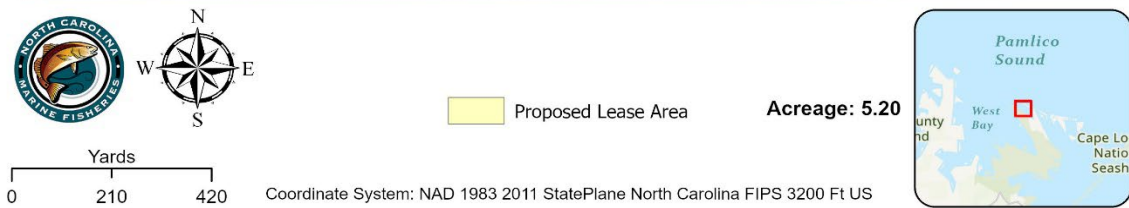
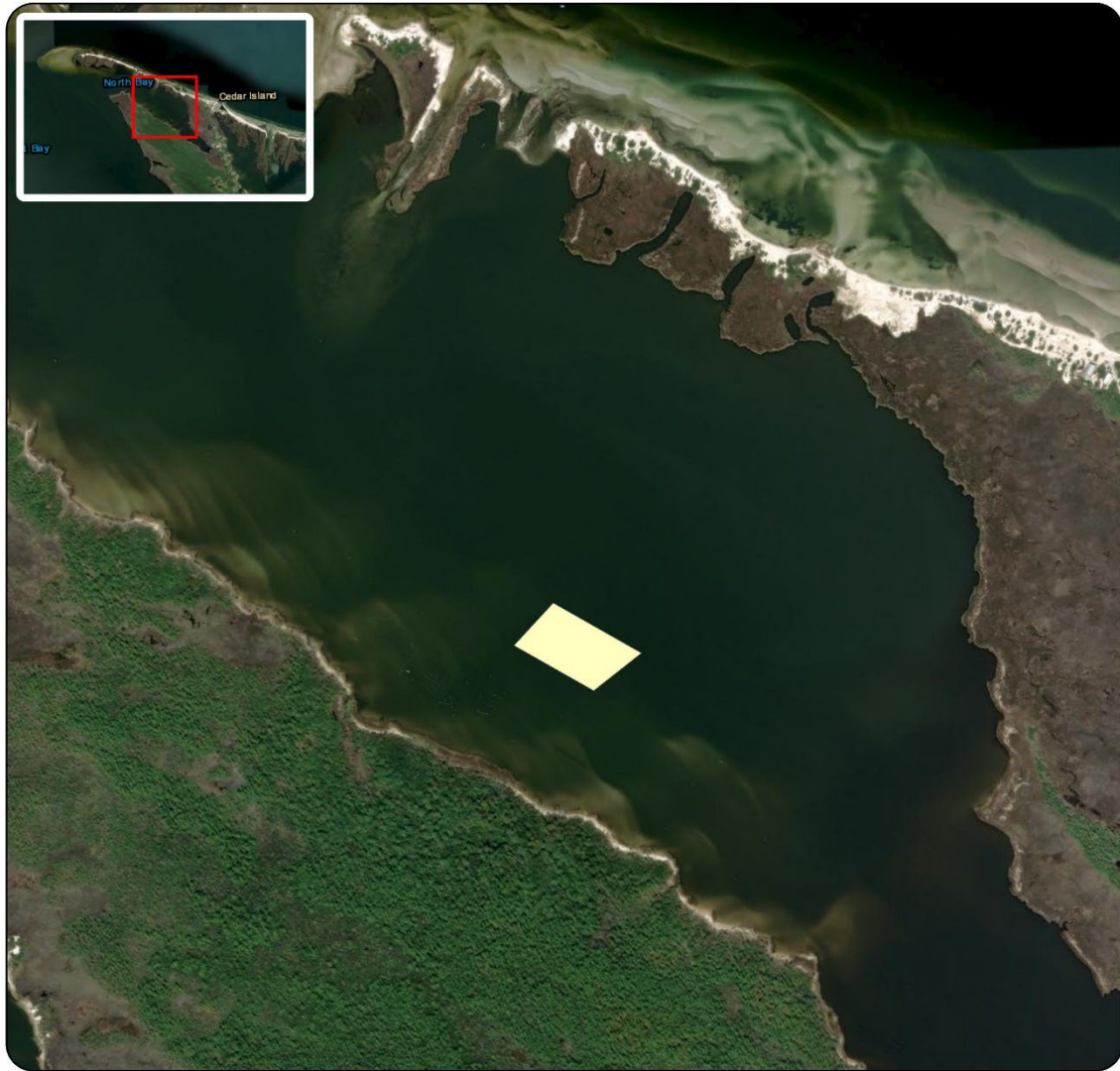
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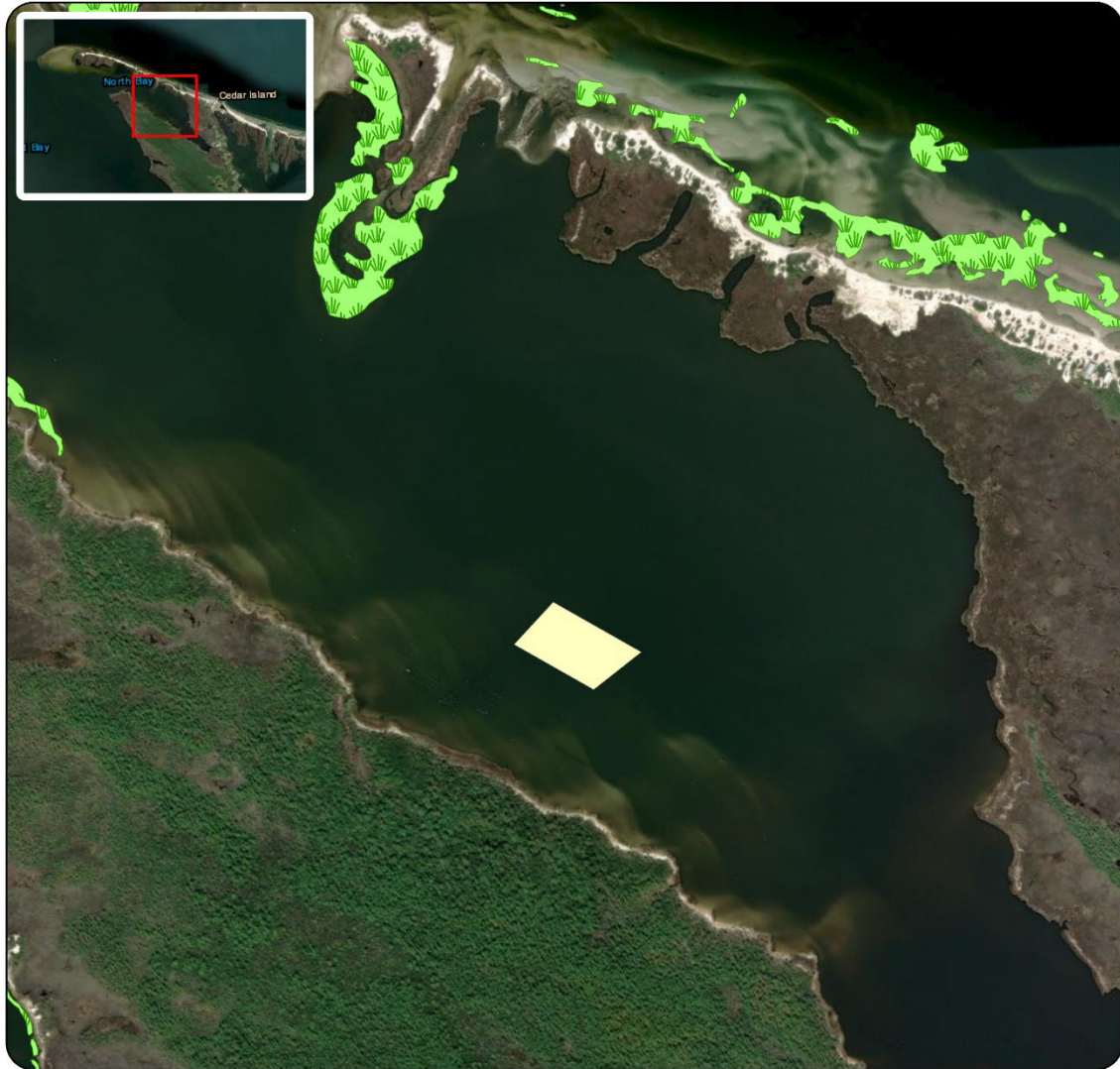
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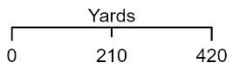
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 Submerged Aquatic Vegetation

 Proposed Lease Area

Acreage: 5.20

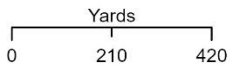


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Shellfish Growing Area Classification

- Approved (blue square)
- Proposed Lease Area (yellow square)

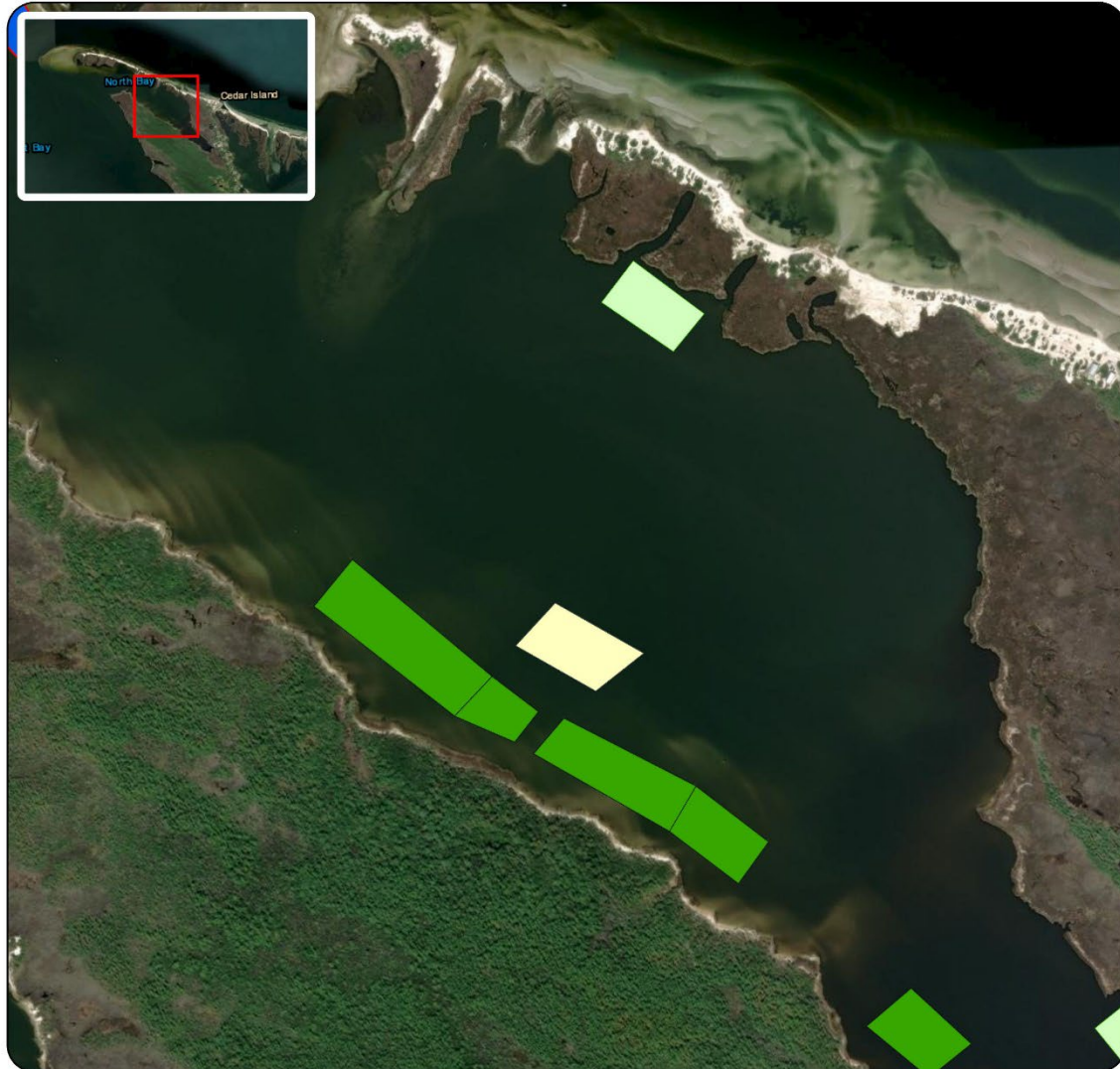
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Date: 12/19/2024



- Other Proposed - Bottom
- Other Proposed - Water Column
- Bottom
- Water Column
- Terminated
- Proposed Lease Area

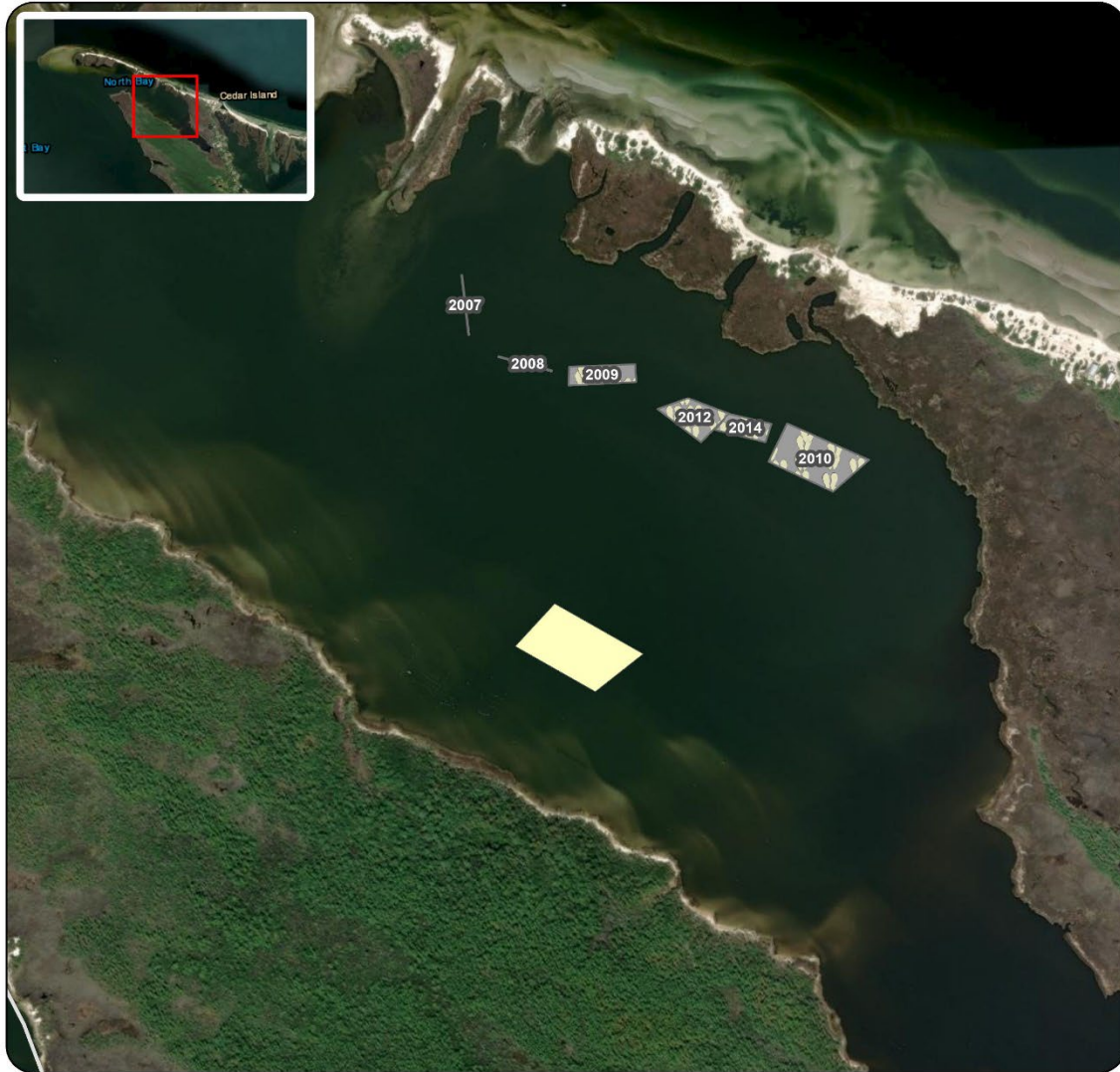
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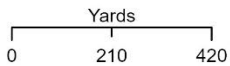
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-  Cultch Planted Site
-  Proposed Lease Area

Acreage: 5.20



Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US









