

| Shellfish Lease Investigation Report | |
|---|------------------------------|
| Investigation Date | 8/18/2022 |
| Applicants name | Hershall Kevin Brown |
| Lease Number | 22-041BL/22-042WC |
| County | Onslow |
| Waterbody/location | Bogue Inlet |
| Proposed Lease Size (acres) | 1.42 |
| Lease Type | Bottom/Water Column |
| Investigation Team | S. Tripp/D. Walters/A. Frost |
| Gear Used | 766 - Patent Tong |
| Sediment Type | 9 - mud |
| Bottom Composition | O - no grass |
| Depth (m) | 1.5 |
| Tidal Stage | Rising |
| Water Temperature (°C) | 26.4 |
| Salinity (ppt) | 34.6 |
| Dissolved Oxygen (mg/L) | 6.1 |
| Comments on SAV in or around Proposed Lease location | |
| Other Species Collected | |
| In PNA? | No |
| In Polluted Area? | No - Approved |
| In Mechanical Clam Harvest Area? | No |
| In Mechanical Methods Prohibited Area | Yes |
| Other Comments | |

| Application Coordinates | | Modified Application Coordinates | | Actual Coordinates | |
|-------------------------|-------------|----------------------------------|-------------|--------------------|-------------|
| -77.10629000 | 34.66368000 | -77.11265299 | 34.66626227 | -77.11262491 | 34.66625445 |
| -77.10544000 | 34.66329000 | -77.11095456 | 34.66704193 | -77.11096724 | 34.66702761 |
| -77.10551000 | 34.66296000 | -77.11064200 | 34.66682231 | -77.11064458 | 34.66681178 |
| -77.10647000 | 34.66329000 | -77.11235176 | 34.66605237 | -77.11234974 | 34.66606595 |

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: **Hershall Kevin Brown**

Proposed Lease #: **22-041BL/22-042WC**

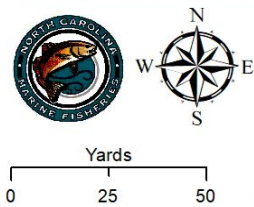
Date: **8/18/2022**

Lease size: **1.42** acres # of Samples: **38**

| 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 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 2 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 3 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 4 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 5 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 6 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 7 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 8 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 9 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 10 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 11 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 12 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 13 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 14 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 15 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 16 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 17 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 18 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 19 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 20 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 21 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 22 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 23 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 24 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 25 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 26 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 27 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 28 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 29 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 30 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 31 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 32 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 33 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 34 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 35 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 36 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 37 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| 38 | 0 | 0 | 0 | 0 | 8/18/2022 | NA | O - no grass | 9 - mud |
| Summary | | | | | | | | |
| | SAV | Oysters (Eastern Oyster) | Clams (Quahogs) | Scallops | | | | |
| | 0 | | | | 0% | OF SAMPLES CONTAINED SAV | | |
| Totals | | | | | | | | |
| TOTAL OF EACH SPECIES | | 0 | 0 | 0 | | | | |
| TOTAL BUSHELS PER SPECIES | | 0 | 0 | 0 | 0 | TOTAL BUSHELS OF SHELLFISH PER ACRE | | |

Proposed Lease ID/Number: 22-041BL/22-042WC
Hershall Kevin Brown

Date: 9/26/2022



▲ Proposed Corner Points
■ Proposed Lease Area

Acreage: 1.42

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet





Proposed Lease ID/Number: 22-041BL/22-042WC
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0 120 240 Yards

North Carolina Wildlife Fisheries



Proposed Lease Area

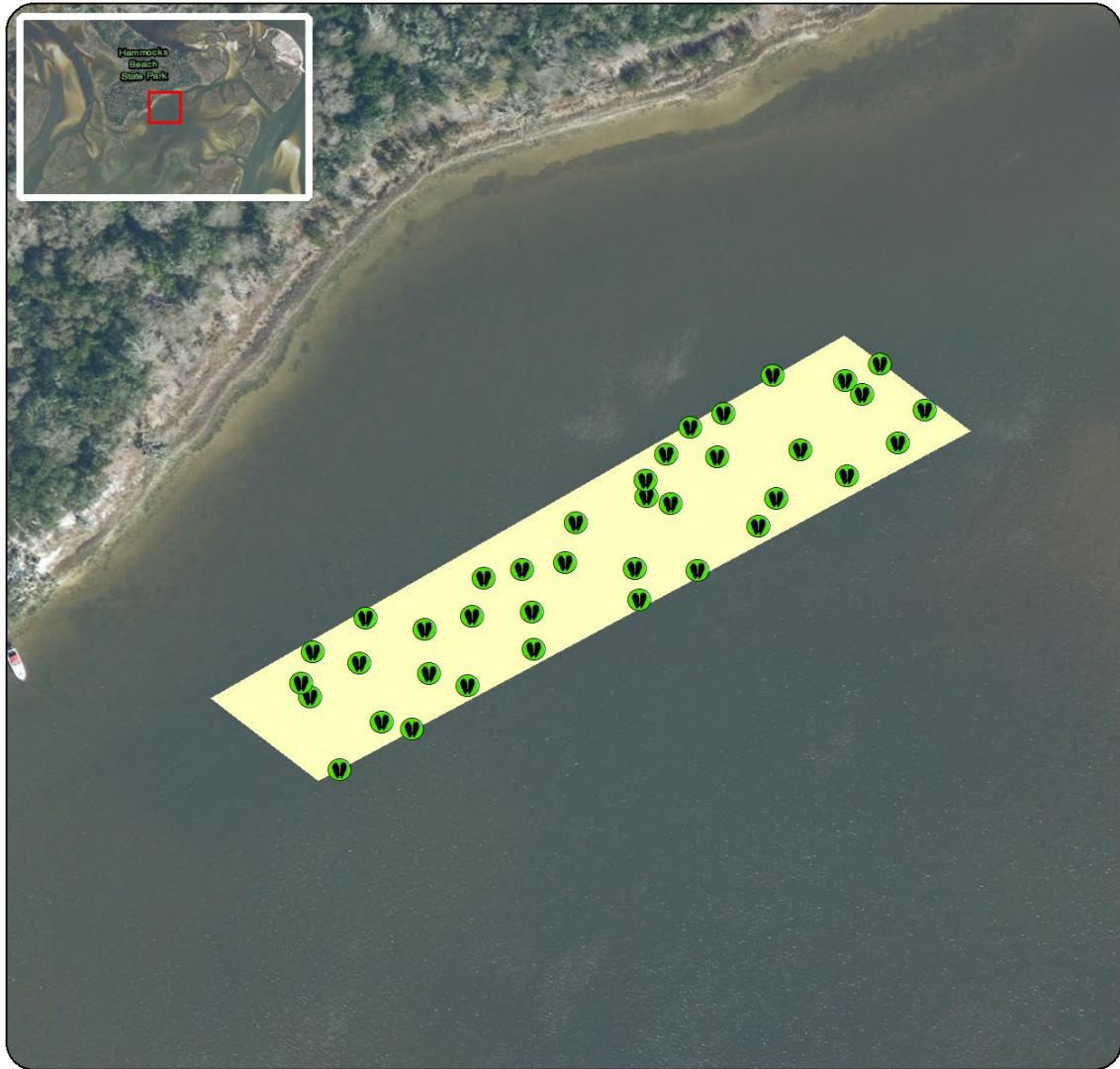
Acreage: 1.42





Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet

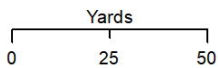
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-  No Bivalve Shellfish Present
-  Proposed Lease Area

Acreage: 1.42



Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



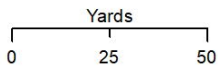
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- No SAV Present
- Proposed Lease Area

Acreage: 1.42

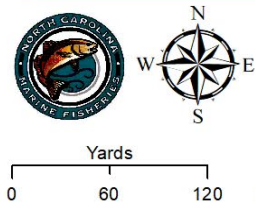
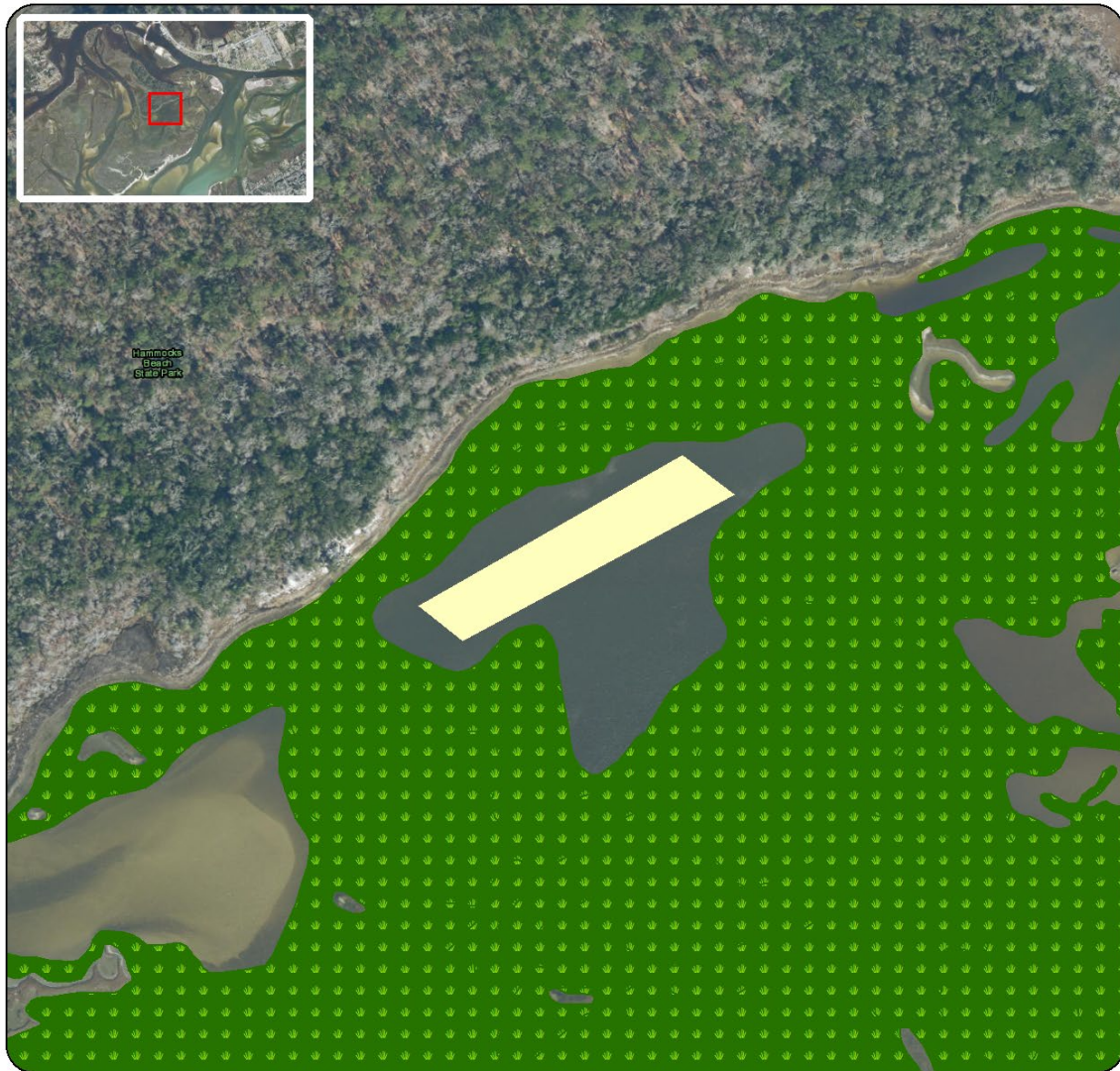


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 Submerged Aquatic Vegetation
 Proposed Lease Area

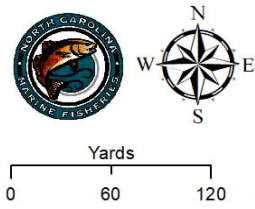
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Proposed Lease Area
SGA Current Classifications
Approved

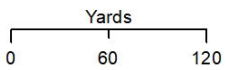
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