

<b>Shellfish Lease Investigation Report</b>	
<b>Investigation Date</b>	6/13/2023
<b>Applicants name</b>	Roy Graham and Tammy Nobles
<b>Lease Number</b>	23-008BL/23-009WC
<b>County</b>	Carteret
<b>Waterbody/location</b>	Harlowe Creek
<b>Proposed Lease Size (acres)</b>	1.59
<b>Lease Type</b>	Bottom/Water Column
<b>Investigation Team</b>	R. Farnell/S. Tripp/G. Stilson
<b>Gear Used</b>	766 - Patent Tong
<b>Sediment Type</b>	7 - sandy mud
<b>Bottom Composition</b>	O - no grass
<b>Depth (m)</b>	1
<b>Tidal Stage</b>	Falling low
<b>Water Temperature (°C)</b>	25.3
<b>Salinity (ppt)</b>	31.1
<b>Dissolved Oxygen (mg/L)</b>	5.4
<b>Comments on SAV in or around Proposed Lease location</b>	
<b>Other Species Collected</b>	
<b>In PNA?</b>	No
<b>In Polluted Area?</b>	No: Conditionally Approved - Open
<b>In Mechanical Clam Harvest Area?</b>	No
<b>In Mechanical Methods Prohibited Area</b>	Yes
<b>Other Comments</b>	

Application Coordinates		Actual Coordinates	
-76.71621667	34.77705000	-76.71619519	34.77699708
-76.71655000	34.77651667	-76.71656036	34.77649041
-76.71723333	34.77696667	-76.71730969	34.77691141
-76.71691667	34.77756667	-76.71696403	34.77759674

### Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Roy Graham and Tammy Nobles

Proposed Lease #: 23-008BL/23-009WC

Date: 6/13/2023

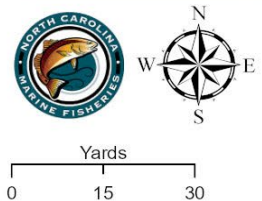
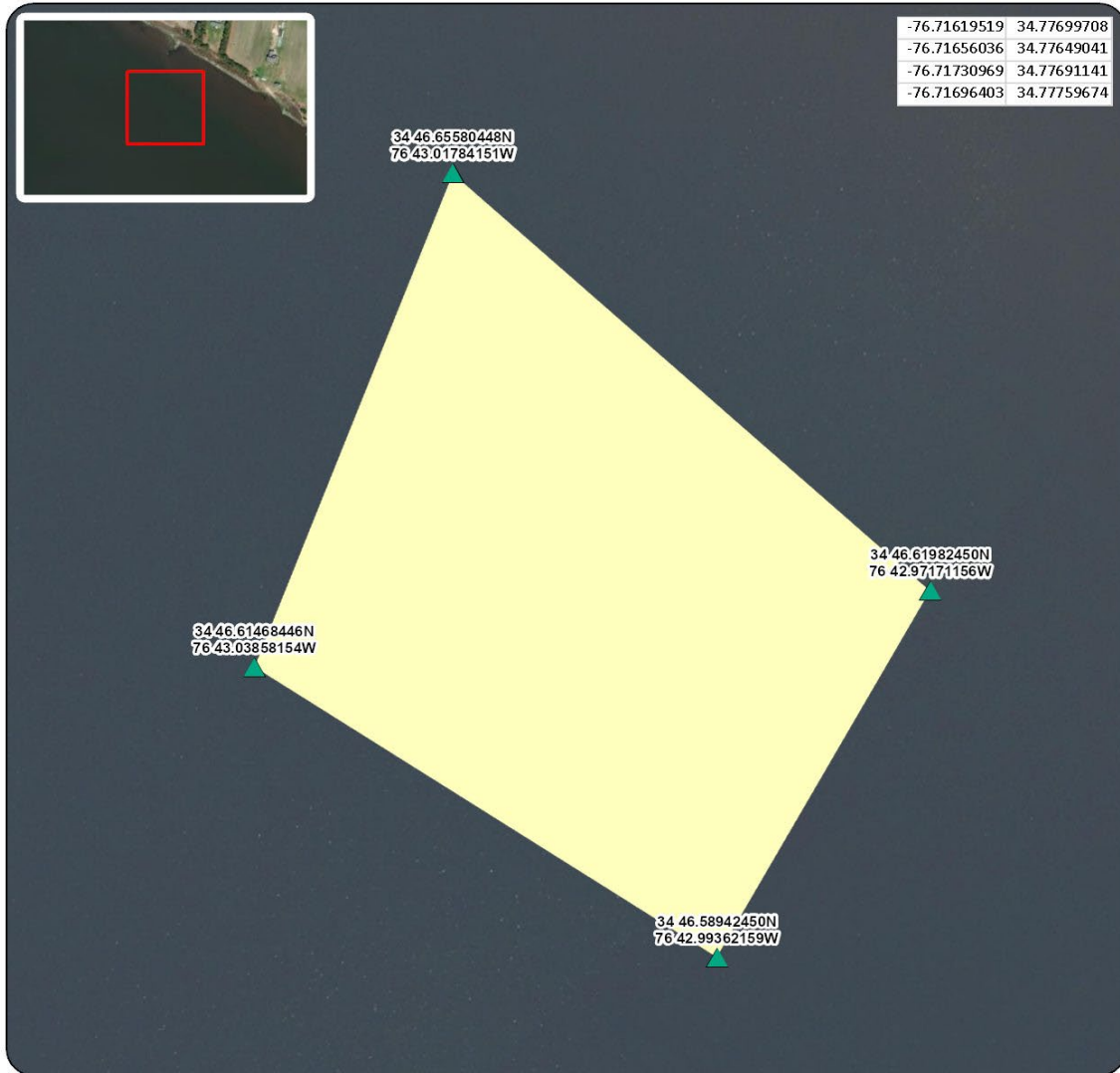
Lease size: 1.59 acres # of Samples: 35

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	6/13/2023	NA	O - no grass	7 - sandy mud
2	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
3	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
4	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
5	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
6	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
7	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
8	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
9	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
10	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
11	0	0	1	0	6/13/2023	NA	O - no grass	7 - sandy mud
12	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
13	0	0	1	0	6/13/2023	NA	O - no grass	7 - sandy mud
14	0	0	1	0	6/13/2023	NA	O - no grass	7 - sandy mud
15	0	0	1	0	6/13/2023	NA	O - no grass	7 - sandy mud
16	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
17	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
18	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
19	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
20	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
21	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
22	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
23	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
24	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
25	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
26	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
27	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
28	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
29	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
30	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
31	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
32	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
33	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
34	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
35	0	0	0	0	6/13/2023	NA	O - no grass	7 - sandy mud
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		0	4	0				
TOTAL BUSHELS PER SPECIES		0	0.01	0	1.16	TOTAL BUSHELS OF SHELLFISH PER ACRE		

# Proposed Lease ID/Number: 23-008BL/23-009WC

## Roy Graham and Tammy Nobles

Date: 6/27/2023



▲ Proposed Corner Points  
 ■ Proposed Lease Area

**Acreage: 1.59**



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

Proposed Lease ID/Number: 23-008BL/23-009WC  
Roy Graham and Tammy Nobles

Date: 6/27/2023



Proposed Lease Area

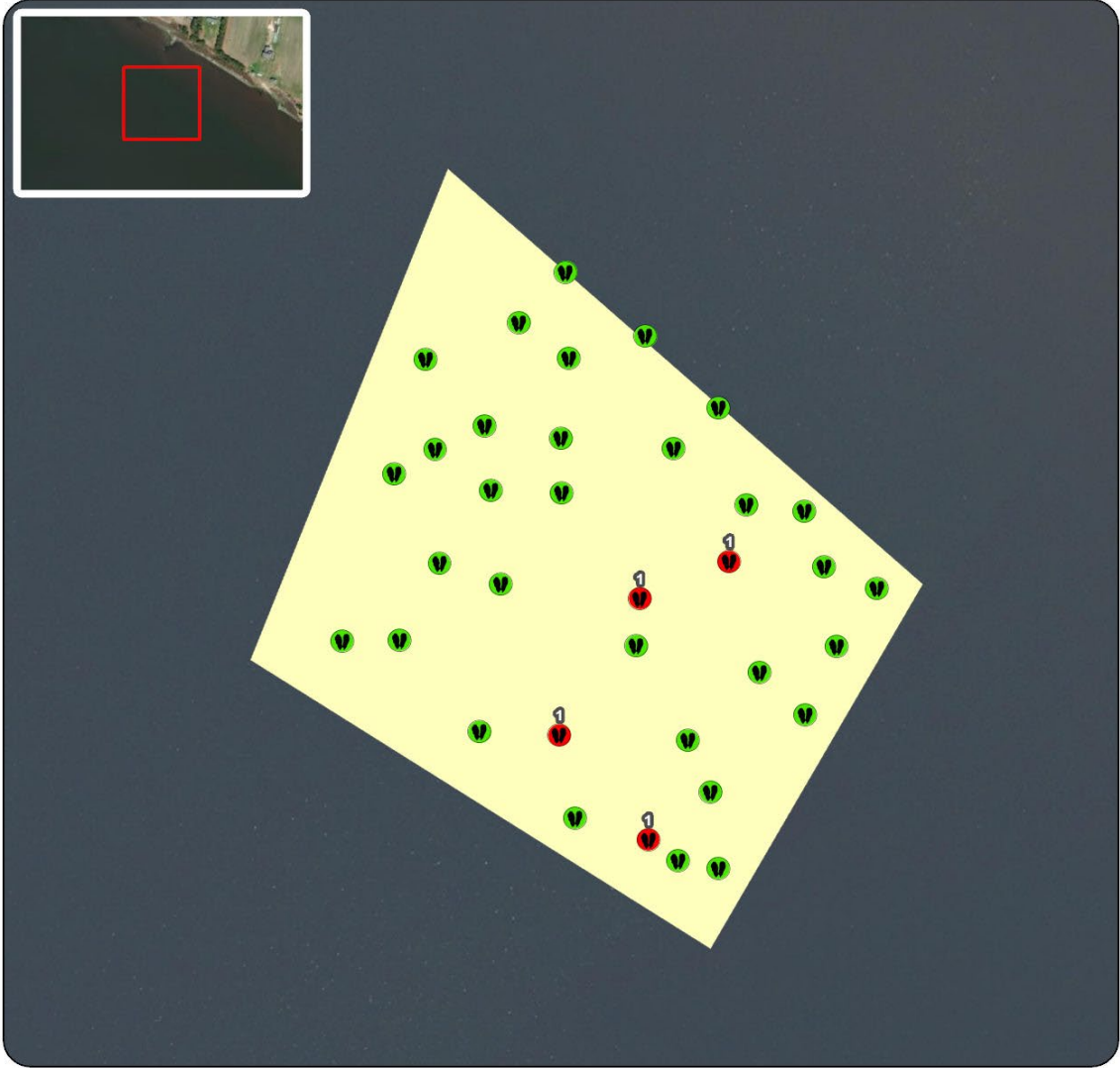
Acreage: 1.59

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



Proposed Lease ID/Number: 23-008BL/23-009WC  
Roy Graham and Tammy Nobles

Date: 6/27/2023



Shellfish Present

- No
- Yes

Proposed Lease Area

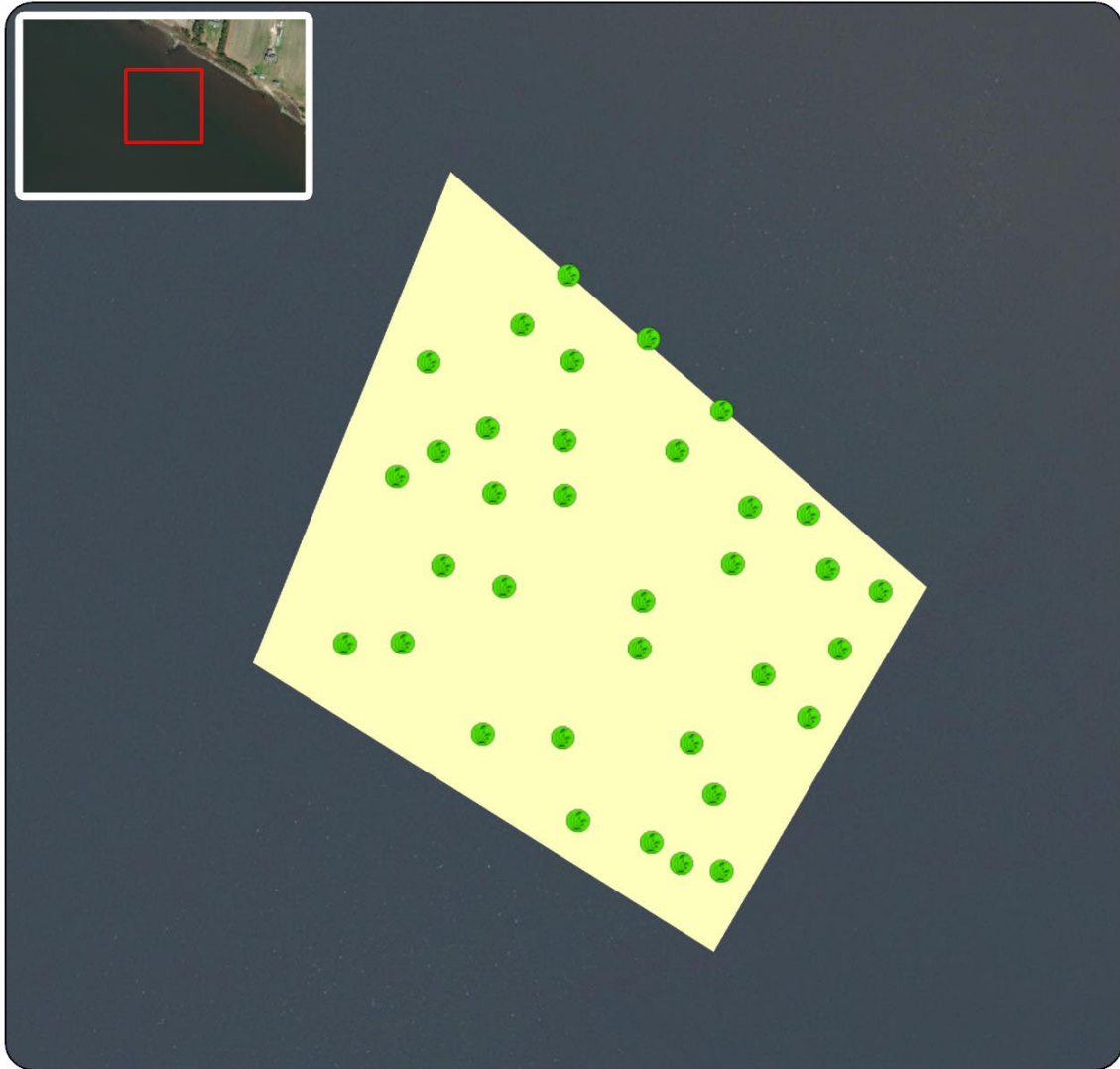
Acreage: 1.59

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



Proposed Lease ID/Number: 23-008BL/23-009WC  
Roy Graham and Tammy Nobles

Date: 6/27/2023



- No SAV Present
- Proposed Lease Area

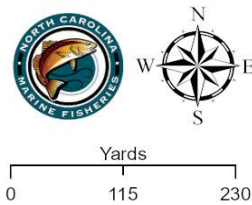
Acreage: 1.59

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



Proposed Lease ID/Number: 23-008BL/23-009WC  
Roy Graham and Tammy Nobles

Date: 6/27/2023



Leases

- Proposed - Bottom
- Proposed - Water Column
- Terminated

Acreage: 1.59

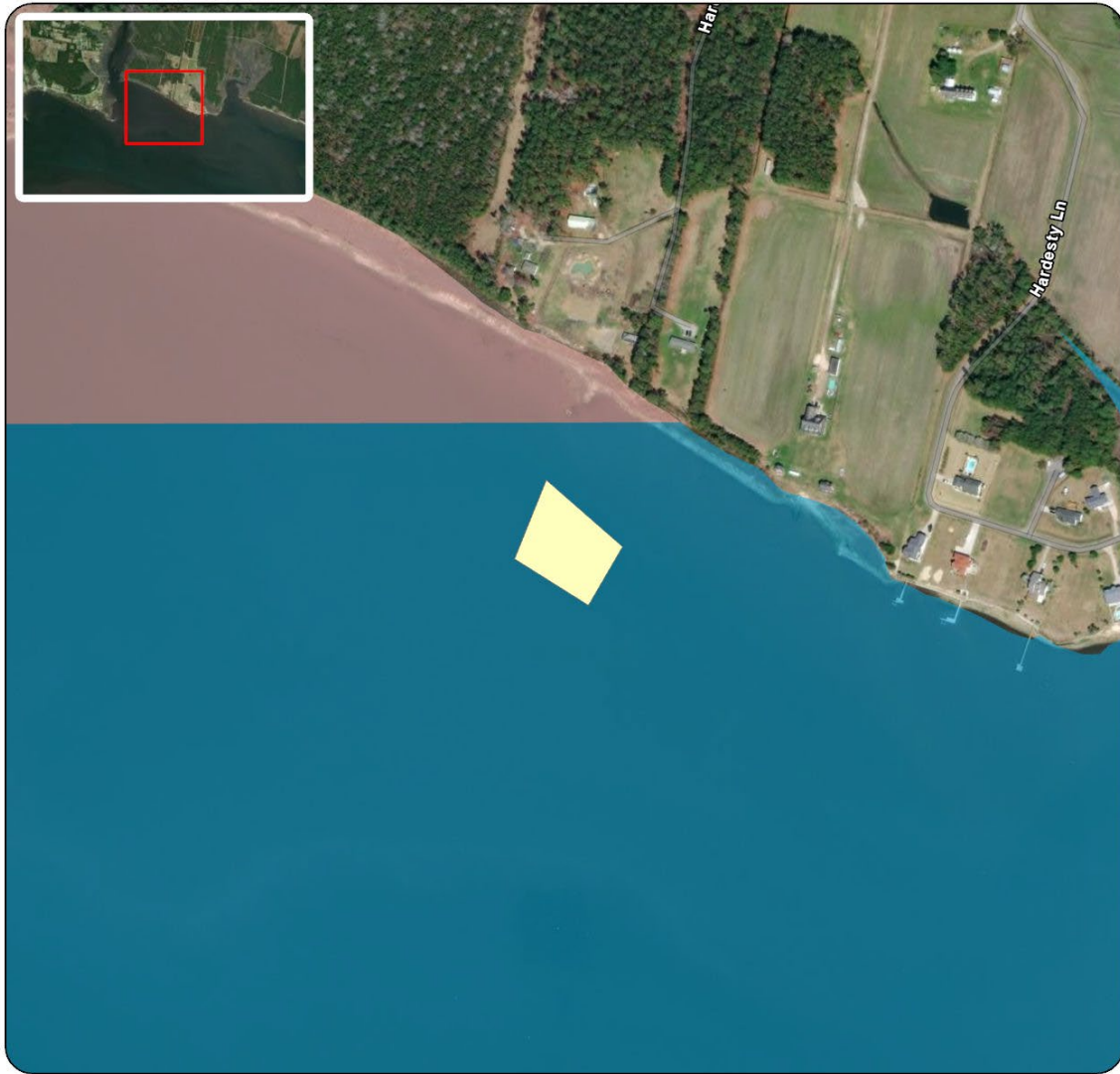
Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US





Proposed Lease ID/Number: 23-008BL/23-009WC  
Roy Graham and Tammy Nobles

Date: 6/27/2023



Proposed Lease Area

SGA Classification

Conditionally Approved - Open

Conditionally Approved - Closed

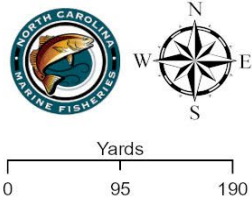
Acreage: 1.59

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



Proposed Lease ID/Number: 23-008BL/23-009WC  
Roy Graham and Tammy Nobles

Date: 6/27/2023



- Cultch Planted Site
- Cultch Permit Area
- Proposed Lease Area

Acreage: 1.59

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





