

Shellfish Lease Investigation Report	
Investigation Date	4/25/2023
Applicants name	Zack Credle
Lease Number	23-004BL/23-005WC
County	Hyde
Waterbody/location	Germantown Bay
Proposed Lease Size (acres)	1.26
Lease Type	Bottom/Water Column
Investigation Team	D. Walters/G. Stilson/S. Tripp/R. Farnell
Gear Used	766 - Patent Tong
Sediment Type	8 - sand (sand in hard and firm strata)
Bottom Composition	A - shell
Depth (m)	1.5
Tidal Stage	Wind
Water Temperature (°C)	18.7
Salinity (ppt)	20.31
Dissolved Oxygen (mg/L)	17.8
Comments on SAV in or around Proposed Lease location	
Other Species Collected	
In PNA?	Permanent Secondary Nursery Area
In Polluted Area?	No - Approved
In Mechanical Clam Harvest Area?	No
In Mechanical Methods Prohibited Area	Yes
Other Comments	Verified modified pole locations on 6/29/2023

Application Coordinates		Investigation Coordinates		Modified Actual Coordinates	
35.40400000	-76.46255000	35.40363033	-76.46248517	35.40368776	-76.46247591
35.40363300	-76.46248300	35.40399467	-76.46252950	35.40344610	-76.46404057
35.40345000	-76.46405000	35.40344283	-76.46402500	35.40377676	-76.46409574
35.40380000	-76.46410000	35.40378483	-76.46408267	35.40399110	-76.46254724

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Zack Credle

Proposed Lease #: 23-004BL/23-005WC

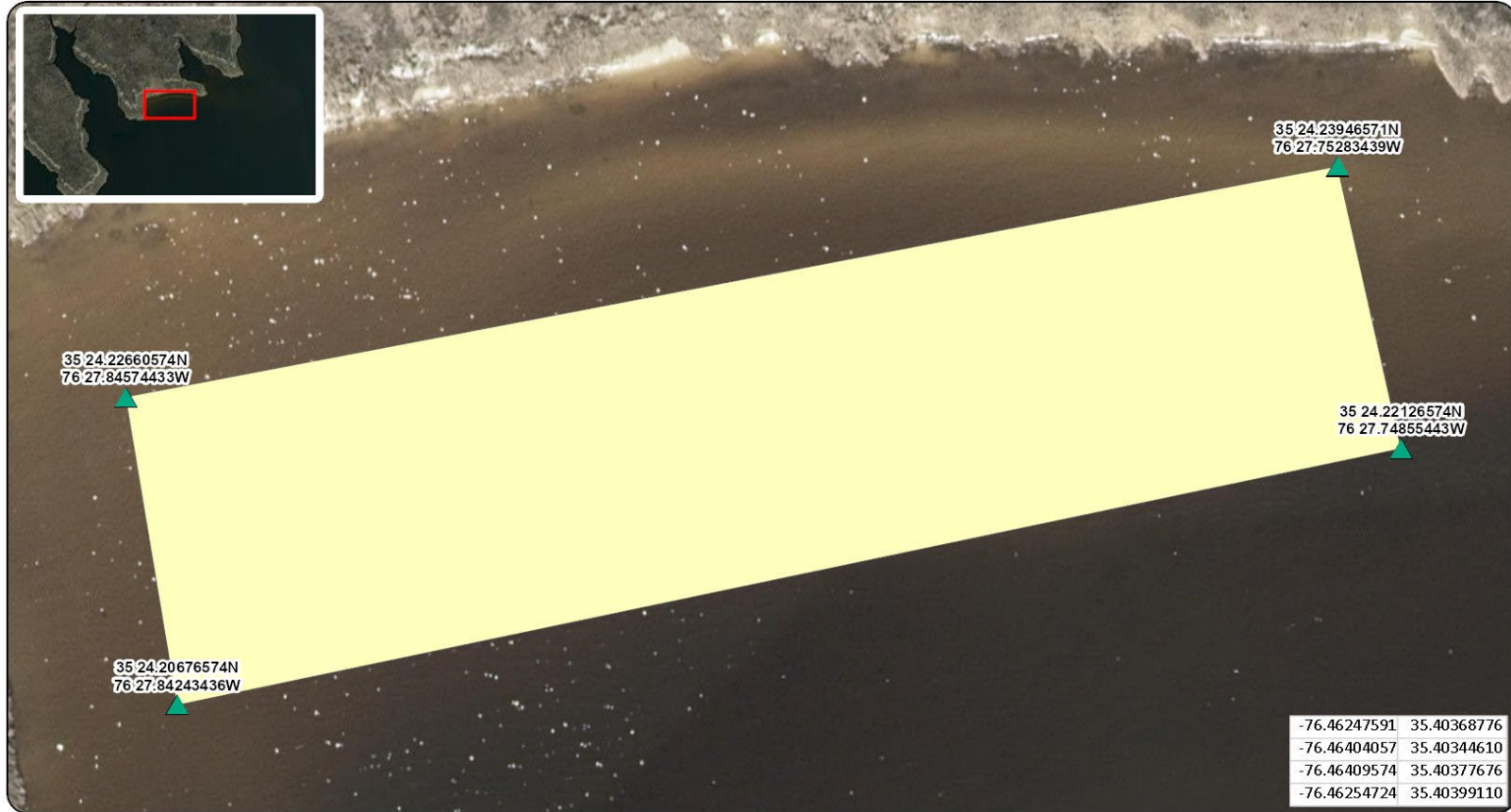
Date: 4/25/2023

Lease size: 1.26 acres # of Samples: 31

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	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
2	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
3	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
4	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
5	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
6	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
7	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
8	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
9	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
10	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
11	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
12	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
13	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
14	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
15	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
16	0	2	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
17	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
18	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
19	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
20	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
21	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
22	0	1	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
23	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
24	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
25	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
26	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
27	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
28	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
29	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
30	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
31	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		3	0	0				
TOTAL BUSHELS PER SPECIES		0.01	0	0	1.31	TOTAL BUSHELS OF SHELLFISH PER ACRE		

Proposed Lease ID/Number: 23-004BL/23-005WC
 Zack Credle

Date: 6/30/2023



▲ Adj. Proposed Corner Points
 ■ Adj. Proposed Lease Area

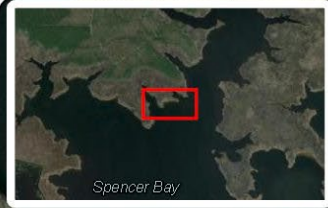
Acreage: 1.26

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



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Zack Credle

Date: 6/30/2023



Adj. Proposed Lease Area

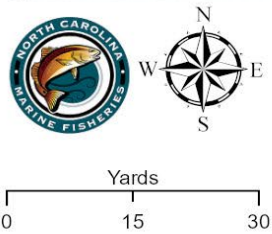
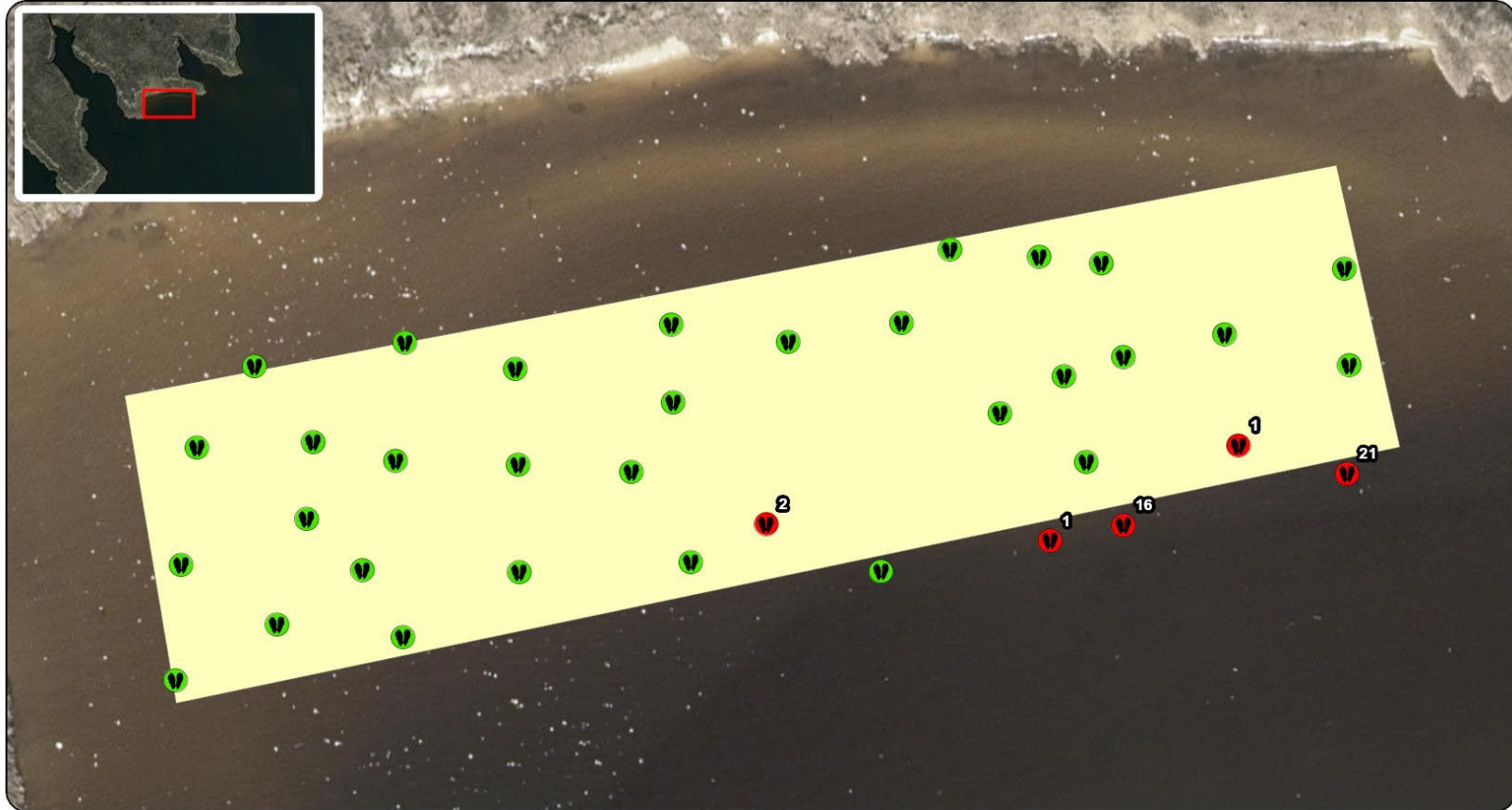
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


Proposed Lease ID/Number: 23-004BL/23-005WC
Zack Credle

Date: 6/29/2023



Shellfish Present

-  No
-  Yes
-  Adj. Proposed Lease Area

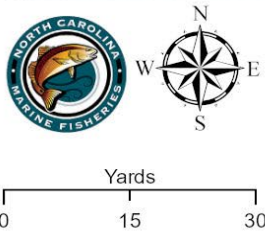
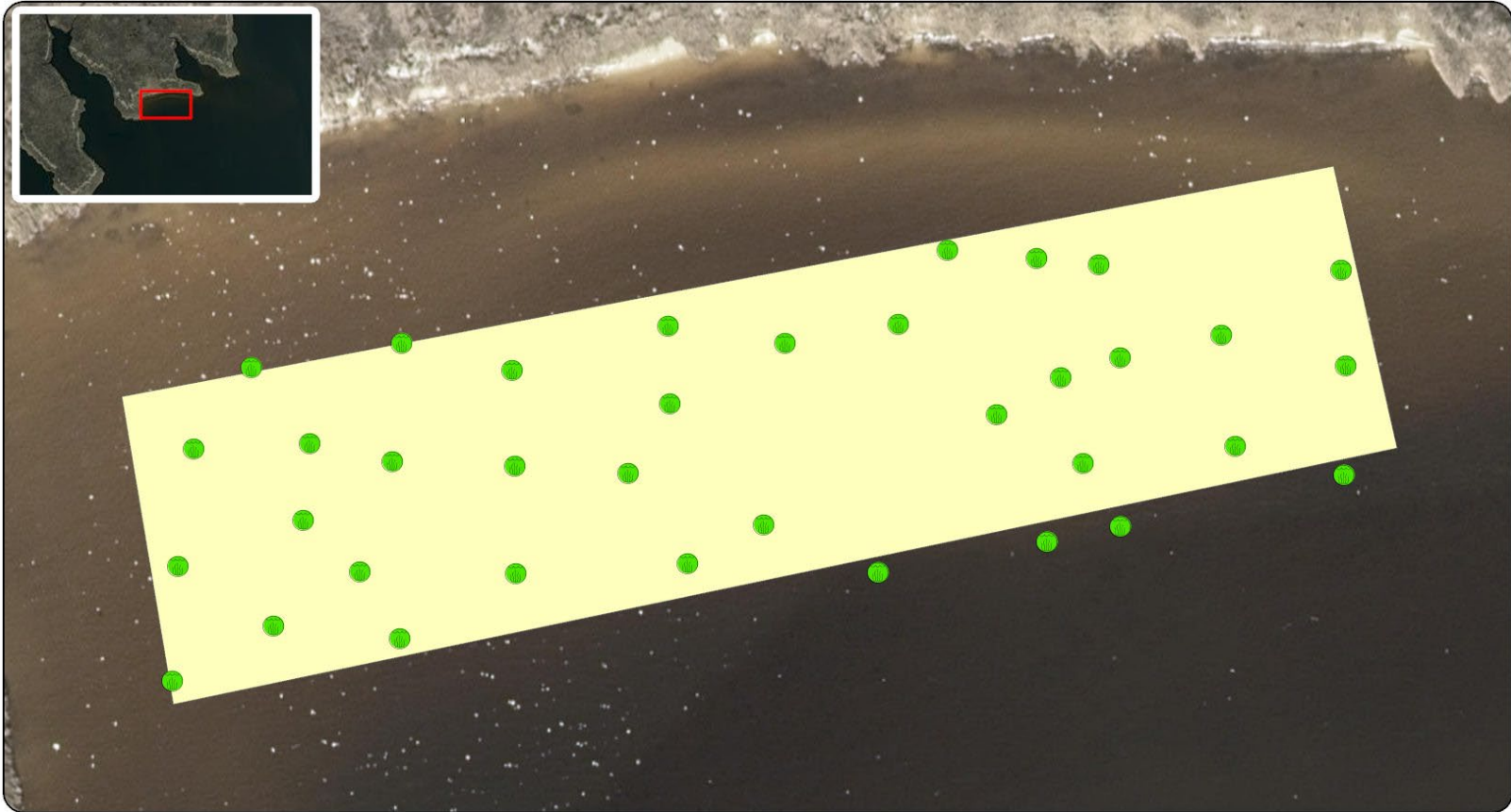
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Zack Credle

Date: 6/29/2023



SAV Present



No



Adj. Proposed Lease Area

Acreage: 1.26





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Proposed Lease ID/Number: 23-004BL/23-005WC Zack Credle

Date: 6/30/2023



SGA Classification

-  Approved
-  Adj. Proposed Lease Area

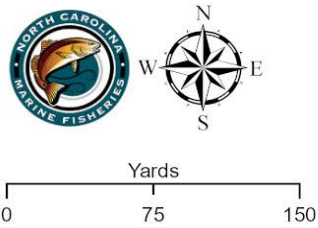
Acreage: 1.26






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Date: 6/30/2023



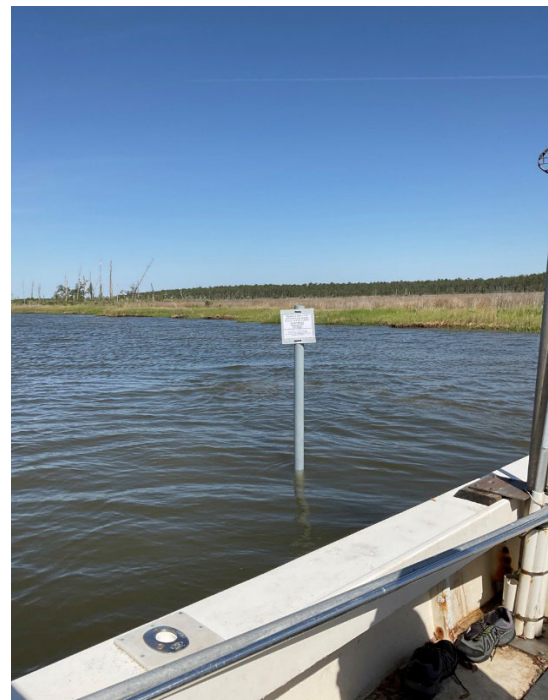
Leases

-  Proposed - Bottom
-  Proposed - Water Column
-  Terminated

Acreage: 1.26



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Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Zack Credle

Proposed Lease #: 23-004BL/23-005WC

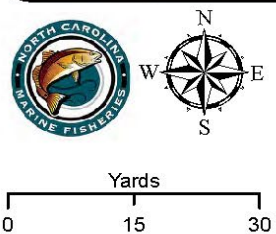
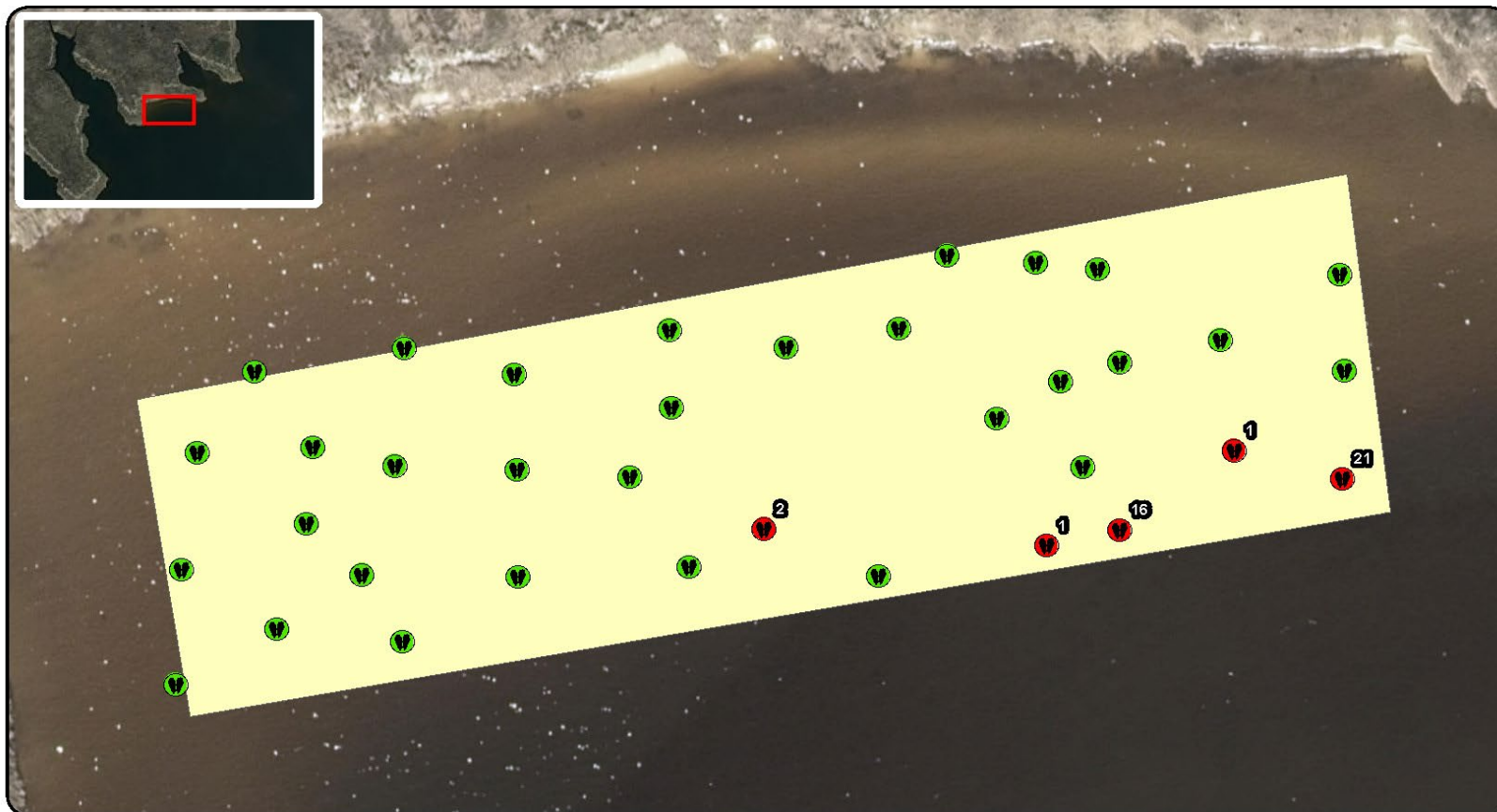
Date: 4/25/2023

Lease size: 1.39 acres # of Samples: 36

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	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
2	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
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4	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
5	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
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9	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
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13	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
14	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
15	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
16	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
17	0	2	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
18	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
19	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
20	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
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23	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
24	0	1	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
25	0	1	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
26	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
27	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
28	0	16	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
29	0	21	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
30	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
31	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
32	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
33	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
34	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
35	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
36	0	0	0	0	4/25/2023	NA	A - shell	8 - sand (sand in hard and firm strata)
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		41	0	0				
TOTAL BUSHELS PER SPECIES		0.136666667	0	0	15.36361111	TOTAL BUSHELS OF SHELLFISH PER ACRE		

Proposed Lease ID/Number: 23-004BL/23-005WC Zack Credle

Date: 5/8/2023



Proposed Lease Area

Acreage: 1.39

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

