

Shellfish Lease Investigation Report	
Investigation Date	9/13, 9/14, & 9/19 - 2022
Applicants name	David Eckberg
Lease Number	22-057BL/22-058WC
County	Carteret
Waterbody/location	Long Bay
Proposed Lease Size (acres)	7.61
Lease Type	Bottom/Water Column
Investigation Team	A. Frost/G. Stilson
Gear Used	766 - Patent Tong
Sediment Type	1 - hard sand
Bottom Composition	O - no grass
Depth (m)	1.5
Tidal Stage	High
Water Temperature (°C)	27.1
Salinity (ppt)	26.1
Dissolved Oxygen (mg/L)	7
Comments on SAV in or around Proposed Lease location	
Other Species Collected	
In PNA?	Special Secondary Nursery Area
In Polluted Area?	No - Approved
In Mechanical Clam Harvest Area?	No
In Mechanical Methods Prohibited Area	Yes
Other Comments	Reverified pole locations 11/16/2022

Application Coordinates		Modified Coordinates		Actual Coordinates	
-76.44674800	34.93956100	-76.44351819	34.94268774	-76.44354910	34.94267853
-76.44764900	34.94035300	-76.44635710	34.93972701	-76.44634360	34.93976953
-76.44449500	34.94350100	-76.44698730	34.94028099	-76.44692477	34.94027620
-76.44357200	34.94126800	-76.44419448	34.94313703	-76.44419210	34.94310136

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acres

of Samples: 207

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	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
2	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
3	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
4	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
5	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
6	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
7	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
8	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
9	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
10	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
11	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
12	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
13	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
14	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
15	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
16	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
17	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
18	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
19	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
20	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
21	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
22	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
23	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
24	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
25	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
26	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
27	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
28	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
29	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
30	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
31	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
32	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
33	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
34	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
35	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
36	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
37	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
38	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
39	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
40	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
41	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
42	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
43	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
44	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
45	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard

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Lease size: 7.61

acres

of Samples: 207

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
67	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
68	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
69	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
70	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
71	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
72	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
73	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
74	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
75	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
76	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
77	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
78	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
79	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
80	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
81	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
82	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
83	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
84	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
85	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
86	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
87	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
88	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
89	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
90	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
91	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
92	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
93	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
94	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
95	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
96	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
97	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
98	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
99	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
100	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
101	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
102	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
103	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
104	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
105	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
106	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
107	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
108	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
109	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
110	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
111	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
112	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
113	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
114	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
115	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
116	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
117	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
118	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
119	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
120	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
121	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
122	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
123	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
124	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
125	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
126	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
127	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
128	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
129	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
130	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
131	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
132	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand

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[illegible]

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199	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
200	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
201	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
202	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
203	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
204	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
205	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
206	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
207	0	0	0	0	9/13, 9/14, & 9/19 - 2022	NA	O - no grass	1 - hard sand
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		0	0	0				
TOTAL BUSHELS PER SPECIES		0	0	0	0	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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