Shellfish Lease Investigation Report						
Investigation Date	8/30, 8/31, & 9/2 - 2021					
Applicants name	Jessica Emory					
Lease Number	21-056BL/21-057WC					
County	Carteret					
Waterbody/location	North Bay					
Proposed Lease Size (acres)	4.32					
Lease Type	Bottom/Water Column					
Investigation Team	D. Walters/A. Frost/S. Tripp/A. Wells					
Gear Used	766 - Patent Tong					
Sediment Type	8 - sand (sand in hard and firm strata)					
Bottom Composition	O - no grass					
Depth (m)	1					
Tidal Stage	Wind					
Water Temperature (°C)	29.8					
Salinity (ppt)	16.2					
Dissolved Oxygen (mg/L)	3.5					
Comments on SAV in or around Proposed Lease location Other Species Collected	None					
In PNA?	No					
In Polluted Area?	No - Approved					
In Mechanical Clam Harvest						
Area?	No					
In Mechanical Methods						
Prohibited Area	Yes					
Other Comments	25 feet from USFWS - Cedar Island National Wildlife Refuge					

Application	Coordinates	Actual Coordinates			
35.01215000	-76.33036667	35.01234917	-76.33244033		
35.01145000	-76.33098333	35.01313850	-76.33186200		
35.01223333	-76.33246667	35.01210133	-76.33035833		
35.01320000	-76.33188333	35.01137667	-76.33101000		

Proposed Shellfish Lease Biological Investigation Sampling Data

		acres		# of Samples:				
ample #	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	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
2	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
3	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
4	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
5 6	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
7	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass O - no grass	8 - sand (sand in hard and firm stra
8	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
9	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
10	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
11	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
12	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
13	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
14	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
15	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
16 17	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
17	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
19	0	0	0	0	8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass O - no grass	8 - sand (sand in hard and firm stra
20	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
21	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
22	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
23	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
24	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
25	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
26	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
27	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
28	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
29	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
30	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
31 32	0	0	0		8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass	8 - sand (sand in hard and firm stra
33	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
34	0	0	0	0	8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
35	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
36	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
37	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
38	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
39	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
40	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
41	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
42	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
43	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
44	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
45 46	0	0	0	0	8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
40	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
48	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
49	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
50	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
51	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
52	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
53	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
54	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
55	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
56	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
57	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
58 59	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
59 60	0	0	0	0	8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
61	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
62	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
63	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
64	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
65	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
66	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
67	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
68	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
69	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
70	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
71	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
72	0	0	0		8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
73	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
74	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
75 76	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass	8 - sand (sand in hard and firm stra
76	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
78	0	0	0		8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA NA	O - no grass	8 - sand (sand in hard and firm stra 8 - sand (sand in hard and firm stra
	U U	5		U U	, , , , , , , , , , , , , , , , , , ,		O - no grass	

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant:	Jessica	Emory	Proposed Lease #: 21-056BL/21-057WC Date: 8/30, 8/31, & 9/2 - 2021					
Lease size:	4.32	acres		# of Samples:	113			
Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops		Comments	Bottom Comp.	Sediment Type
80	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
81	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
82	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
83	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
84	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
85	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
86	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
87	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
88	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
89	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
90	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
91	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
92	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
93	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
94	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
95	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
96	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
97	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
98	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
99	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
100	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
100	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA		8 - sand (sand in hard and firm strata)
102	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata)
102	0	0	0	0	8/30, 8/31, & 9/2 - 2021 8/30, 8/31, & 9/2 - 2021	NA		8 - sand (sand in hard and firm strata)
103	0					NA	O - no grass	
104		0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
	0	0	0		8/30, 8/31, & 9/2 - 2021		O - no grass	8 - sand (sand in hard and firm strata)
106	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
107	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
108	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
109	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
110	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
111	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
112	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
113	0	0	0	0	8/30, 8/31, & 9/2 - 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
0					0%	OF SAMPLE	S CONTAINED SAV	
TOTAL C	OF EACH SPECIES	0	0	0				
DTAL BUSHELS PER SPECIES 0 0 0 0 TOTAL BUSHELS OF SHELLFISH PER ACRE							HELS OF SHELLEISH PER	ACRE

Sample Data





















