



PROJECT OCEANOLOGY

Elevation Data Sheet



Names: Project Oceanology Date: 11/17/21

Location: Bushy Point Beach Pine Island Avery Point NewTown Beach Airport Marsh

Transect #: 1 (#1 = eastern-most transect)

Directions: Column 1 = meter number on transect line
Column 2 = centimeter reading from elevation tool (moving end must point in direction you are going)
Column 4 = Column 2 (-) Column 3
Column 5 = Project O instructor will help you figure this out.

1	2	3	4	5
Meter (m)	Elevation reading (cm)		Elevation Change (cm)	Cumulative elevation change (cm)
0		50		
1	82	50	32	32
2	54	50	4	36
3	54	50	4	40
4	40	50	10	30
5	63	50	13	43
6	53	50	3	46
7	46	50	4	42
8	56	50	6	48
9	53	50	3	51
10	53	50	3	54
11	52	50	2	56
12	52	50	2	58
13	50	50	0	58
14	52	50	2	60

1	2	3	4	5
Meter (m)	Elevation reading (cm)		Elevation Change (cm)	Cumulative elevation change (cm)
15	52	50	2	62
16	52	50	2	64
17	54	50	4	68
18	51	50	1	69
19	53	50	3	72
20	54	50	4	76
21	54	50	4	80
22	53	50	3	83
23	52	50	2	85
24	52	50	2	87
25	54	50	4	91
26	53	50	3	94
27	53	50	3	97
28	52	50	2	99
29	53	50	3	102
30	51	50	1	103
31	53	50	3	104
32	53	50	3	107
33	49	50	-1	106
34	39	50	-11	95
35	67	50	17	112
36	59	50	9	121
37	51	50	1	122
38	53	50	3	125



PROJECT OCEANOLOGY

Marsh Animal Data Sheet



Transect Number: 1 School: _____ Date: 11/17/21

Names: Project Oceanology

Location: Airport Salt Marsh

Directions: In column 1 mark down your distance on the transect line (you start and 1, then 2, etc). In columns 2-6 write down the quantity of each species of living animal found in the quadrat area.

1	2	3	4	5	6
Meter (m)	Count of Coffee Bean Snails	Count of Ribbed Mussels	Count of periwinkle	Count of Slipper snail	Count of
1				1	
3					
5					
7					
9		1			
11					
13		Ø			
15		1			
17		Ø			
19		Ø			
21		Ø			
23		Ø			
25		Ø			
27		Ø			
29		Ø			
31		Ø			
33		Ø			



PROJECT OCEANOLOGY

Marsh Plant Cover Data Sheet



Transect Number: 1 Date: 11/17/21 Location: Airport Salt Marsh

Names: Project Oceanology

Directions: In column 1 mark down your distance on the transect line (you start and 1, then 2, etc). In column 2 write down the total percent of the quadrat area covered by living plants. In columns 3-7 write down the percent of each species of plant in the quadrat area. NOTE: The total percent (column 2) must equal the sum of columns 3, 4, 5, 6, and 7.

1	2	3	4	5	6	7
Meter (m)	Total Quadrat Area Covered by Plants (%)	Percent Covered by Saltwater Cordgrass (%)	Percent Covered by Salt Meadow Cordgrass (%)	Percent Covered by pickle grass	Percent Covered by spike grass	Percent Covered by
0	100	100				
2	75	65		10		
4	100	10	89	1		
6	100	5	93	2		
8	75	10	55	10		
10	40	5	35	50		
12	75	5		20	50	
14	60	1		25	34	
16	90	2		3	85	
18	100			25	75	
20	75			50	25	
22	100			25	75	
24	100			50	50	
26	100		50	25	25	
28	100				100	



PROJECT OCEANOLOGY

Marsh Peat Depth Data Sheet



Transect Number: 1 Location: Airport Salt Marsh Date: 11/17/21

Names: Project Oceanology

Directions: In column 1 mark down your distance on the transect line (1, then 2, etc). Start at the water's edge (1m) and work towards the upland. Push the peat rod firmly into the marsh until it stops. Hold your hand on the rod at the surface of the marsh. Slowly withdraw the peat rod, keeping your hand or finger on the rod. Measure the depth the peat rod penetrated the marsh in centimeters (cm) using the meter stick. Record the depth on your data sheet.

1 Meter Number	2 Peat Depth (cm)	3 Meter Number	4 Peat Depth (cm)	5 Meter Number	6 Peat Depth (cm)
0	98	34	15		
2	83	36	60		
4	95				
6	61				
8	88				
10	76				
12	24				
14	90				
16	82				
18	91				
20	70				
22	43				
24	47				
26	74				
28	24				
30	112				
32	53				