

Table 2-1. Sea-View data collected using a “stick-and-string” method for the cross-island topographic profile at the Avon-Buxton site. The data are from the sound to the ocean with distinguishing features and plants found at specific locations along the profile. See figure 2-1 and figure 2-2 for the profile location.

Distance (m) from Sound Shore	Elevation (m)	Distinguishing Features	Plant Community*
0	0	Shoreline	Marsh grass
5	0.2	Wrack line*	Marsh grass
10	0.3	Wrack line*	Marsh grass
14	0.4		Marsh grass
24	0.6		Marsh grass
28	0.8		Marsh grass
30	1		Transition zone
35	1.2		Transition zone
40	1.7	Top of overwash fan	Scrub-shrub
46	1.8		Scrub-shrub
50	1.6		Scrub-shrub
55	1.6	Sand road beneath power line	Overwash plain
60	1.6		Overwash plain
67	1.8	NC Highway 12—west side	
80	1.8	NC Highway 12—east side	
85	1.9		Overwash plain
87	2		Overwash plain
90	2.5	Beginning 1 st barrier dune ridge	Beach grass
95	3.2		Beach grass
100	3.5		Beach grass
105	3.8		Beach grass
110	3.9		Beach grass
115	4.1		Beach grass
120	4.3		Beach grass
125	4		Beach grass
128	3.5		Beach grass
133	4	Beginning 2 nd barrier dune ridge	Beach grass
137	5		Beach grass
140	6.1		Beach grass
147	7		Beach grass
150	7.2		Beach grass
153	7	Top of erosional scarp in dune ridge	
160	4	Storm beach	
165	2.9	Berm crest	
170	2.8		
175	2.8		
180	2.8		
185	2.9		
190	2.8		
195	2.6		
200	2.3		
205	1.9	Top of high-tide beach	
210	1.4		
215	0.8	Top of low-tide beach	
220	0	Bottom of low-tide beach	

* The plant communities listed in table 2-1 include the following dominant types of vegetation:

Marsh grass community:

Black needle rush, salt marsh cordgrass, salt meadow hay

Wrack community:

Eel grass (dead submerged aquatic grass that gets washed up during storm events)

Transition zone community:

Marsh elder, cotton bush, wax myrtle, marsh glasswort, sea oxeye

Scrub-shrub community:

Juniper, youpon, live oak, sweet bay

Overwash plain community:

Salt meadow hay, prickly pear cactus, sea oxeye, sand spur,
Pennywort, broom-straw rush

Beach grass community:

Sea oats, American beach grass, pennywort, sea elder, sea rocket