



Holden Beach

IAI

WAFIS  
 TIME=0:22/0:28 10:22:14

T: WMB1A1 OUTPUT A1

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES  
 HOLDEN BEACH 1A1

PART1 INPUT

IE	0.0	0.0	30.000	7.200	12.680	0.0	0.0	0.0	0.0	0.0	0.0
IF	1000.000	6.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IF	1200.000	6.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VE	1600.000	4.000	0.500	8.000	4.000	0.0	0.0	0.0	0.0	0.0	0.0
IF	2800.000	1.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IF	3540.000	1.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IF	14250.000	1.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IF	14560.000	12.680	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*Water*

PART2 WAVE HEIGHTS AND ELEVATIONS

STATION	WAVE HEIGHT	WAVE ELEVATION
0.0	9.89	19.60
1000.00	5.21	16.33
1200.00	5.21	16.33
1600.00	2.74	14.60
2800.00	3.27	14.97
3540.00	3.61	15.21
4140.00	3.84	15.37
4740.00	4.02	15.49
5340.00	4.18	15.61
5940.00	4.32	15.70
6540.00	4.43	15.78

6540.00	4.43	15.78
7140.00	4.53	15.85
7740.00	4.62	15.92
8340.00	4.71	15.98
8940.00	4.78	16.03
9540.00	4.85	16.08
10140.00	4.91	16.12
10740.00	4.96	16.15
11340.00	5.01	16.19
11940.00	5.05	16.22
12540.00	5.10	16.25
13140.00	5.14	16.28
14250.00	5.21	16.33
14560.00	0.0	12.68

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE  
 NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
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NO SURGE CHANGES IN THIS TRANSECT

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
1558.28	WINDWARD
2191.16	LEEWARD
14381.43	WINDWARD

14381.43

WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

0.0 19.60 V17 EL=20 85

31.52 19.50

V17 EL=19 85

336.77 18.50

V17 EL=18 85

642.02 17.50

V17 EL=17 85

947.27 16.50

V17 EL=16 85

1391.56 15.50

V17 EL=15 85

1558.28 14.78

A15 EL=15 75

2191.16 14.78

V17 EL=15 85

4767.91 15.50

V17 EL=16 85

14320.21 15.50

V17 EL=15 85

14381.43 14.78

A13 EL=15 65

14405.24 14.50

A13 EL=14 65

14250 level  
2800  
V  
IC VIVE = 5.0 ft

2

336.77 19.50

V17 EL=18 85

642.02 17.50

V17 EL=17 85

947.27 16.50

V17 EL=16 85

1391.56 15.50

V17 EL=15 85

1558.28 14.78

A15 EL=15 75

2191.16 14.78

V17 EL=15 85

4767.91 15.50

V17 EL=16 85

14320.21 15.50

V17 EL=15 85

14381.43 14.78

A12 EL=15 65

14405.24 14.50

A12 EL=14 65

14490.27 13.50

A12 EL=13 65

14560.00 12.68

ZONE TERMINATED AT END OF TRANSECT

14250 land

2800

ICVWV = 5.0 <sup>Ra</sup> JK

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