

LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 1  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
	-2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST 5-0.97	TRACE		
	1.000	23.000	-97.500	10.300	1.000	34.450	1.000	1.000	.000	.000

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G-E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

GR	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
	-50.000	-4200.000	-24.000	-2710.000	-18.000	-1220.000	-15.000	-910.000	-12.000	-600.000
	-9.000	-495.000	-6.000	-390.000	-3.000	-195.000	-1.500	-97.500	.000	.000
	2.900	38.000	5.700	75.000	6.600	119.000	9.400	125.000	10.700	150.000
	13.700	166.000	7.900	197.000	7.800	242.000	8.700	316.000	8.500	405.000
	7.200	475.000	6.600	507.000	6.600	1000.000				

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 1.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1954.698  
 EROSION AREA = 1954.239

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-4200.000	-24.000	-2710.000	-18.000	-1220.000	-15.000	-510.000	-13.601	-765.430
-6.952	-702.165	-6.482	-600.000	-5.059	-495.000	-3.635	-390.000	-2.212	-195.000
-1.500	-97.500	-0.788	0.000	0.568	38.000	1.916	75.000	2.344	119.000
3.672	126.000	4.289	150.000	5.713	166.000	2.960	197.000	2.913	242.000
3.340	316.000	3.250	400.540	6.037	405.000	8.430	408.830	8.350	413.170
7.200	476.000	6.600	507.000	6.600	1000.000				

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 1.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.000	0.000	2.900	38.000	5.700	75.000	6.600	119.000	9.400	126.000
10.700	150.000	13.700	166.000	7.900	197.000	7.800	242.000	8.700	316.000
8.510	400.540	8.300	405.000	8.430	408.830	8.350	413.170	7.200	476.000
6.600	507.000	6.600	1000.000						

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	0.000	-0.588	38.000	1.916	75.000	2.344	119.000	3.672	126.000
4.289	150.000	5.713	166.000	2.960	197.000	2.913	242.000	3.340	316.000
3.250	400.540	6.037	405.000	8.430	408.830	8.350	413.170	7.200	476.000
6.600	507.000	6.600	1000.000						

TRANSECT NUMBER 1.000 WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TIME	WAVE HEIGHT	TRANSECT NO.
0000	0.00	1.000
0005	0.00	1.000
0010	0.00	1.000
0015	0.00	1.000
0020	0.00	1.000
0025	0.00	1.000
0030	0.00	1.000
0035	0.00	1.000
0040	0.00	1.000
0045	0.00	1.000
0050	0.00	1.000
0055	0.00	1.000
0100	0.00	1.000
0105	0.00	1.000
0110	0.00	1.000
0115	0.00	1.000
0120	0.00	1.000
0125	0.00	1.000
0130	0.00	1.000
0135	0.00	1.000
0140	0.00	1.000
0145	0.00	1.000
0150	0.00	1.000
0155	0.00	1.000
0200	0.00	1.000
0205	0.00	1.000
0210	0.00	1.000
0215	0.00	1.000
0220	0.00	1.000
0225	0.00	1.000
0230	0.00	1.000
0235	0.00	1.000
0240	0.00	1.000
0245	0.00	1.000
0250	0.00	1.000
0255	0.00	1.000
0300	0.00	1.000
0305	0.00	1.000
0310	0.00	1.000
0315	0.00	1.000
0320	0.00	1.000
0325	0.00	1.000
0330	0.00	1.000
0335	0.00	1.000
0340	0.00	1.000
0345	0.00	1.000
0350	0.00	1.000
0355	0.00	1.000
0400	0.00	1.000
0405	0.00	1.000
0410	0.00	1.000
0415	0.00	1.000
0420	0.00	1.000
0425	0.00	1.000
0430	0.00	1.000
0435	0.00	1.000
0440	0.00	1.000
0445	0.00	1.000
0450	0.00	1.000
0455	0.00	1.000
0500	0.00	1.000
0505	0.00	1.000
0510	0.00	1.000
0515	0.00	1.000
0520	0.00	1.000
0525	0.00	1.000
0530	0.00	1.000
0535	0.00	1.000
0540	0.00	1.000
0545	0.00	1.000
0550	0.00	1.000
0555	0.00	1.000
0600	0.00	1.000
0605	0.00	1.000
0610	0.00	1.000
0615	0.00	1.000
0620	0.00	1.000
0625	0.00	1.000
0630	0.00	1.000
0635	0.00	1.000
0640	0.00	1.000
0645	0.00	1.000
0650	0.00	1.000
0655	0.00	1.000
0700	0.00	1.000
0705	0.00	1.000
0710	0.00	1.000
0715	0.00	1.000
0720	0.00	1.000
0725	0.00	1.000
0730	0.00	1.000
0735	0.00	1.000
0740	0.00	1.000
0745	0.00	1.000
0750	0.00	1.000
0755	0.00	1.000
0800	0.00	1.000
0805	0.00	1.000
0810	0.00	1.000
0815	0.00	1.000
0820	0.00	1.000
0825	0.00	1.000
0830	0.00	1.000
0835	0.00	1.000
0840	0.00	1.000
0845	0.00	1.000
0850	0.00	1.000
0855	0.00	1.000
0900	0.00	1.000
0905	0.00	1.000
0910	0.00	1.000
0915	0.00	1.000
0920	0.00	1.000
0925	0.00	1.000
0930	0.00	1.000
0935	0.00	1.000
0940	0.00	1.000
0945	0.00	1.000
0950	0.00	1.000
0955	0.00	1.000
1000	0.00	1.000

LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 2  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PDP SLOPE FLAT OFFSHORE ONSHORE  
 ELEVATION FACTOR CL ANGLE CL ANGLE  
 -2.000 -99.000 6.000 52.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. OF PDP STILL TIDE  
 NO. 2.000 GR POINTS STATION WATER EL ELEVATION  
 28.000 28.000 10.300 1.000  
 X2 RADIUS TO SEDIMENT F-G-E F-M END OF SMALLEST  
 MAX 28.750 DIAMETER 400 .800 .900 674.000 10-YEAR  
 1.000 WHAFIS NGVD-  
 1.000 OPTION 1.000 MSL .000

ELEVATION STATION -50.000  
 -13.000  
 -1.200  
 8.900  
 9.900  
 6.600

ELEVATION STATION -5650.000  
 -9930.000  
 -1112.800  
 123.000  
 335.000  
 588.000

ELEVATION STATION -27.000  
 -70.000  
 9.000  
 8.900

ELEVATION STATION -5037.500  
 -700.000  
 292.000  
 376.000

ELEVATION STATION -26.000  
 -9.000  
 4.000  
 16.500  
 8.500

ELEVATION STATION -2425.000  
 -600.000  
 93.000  
 222.000  
 416.000

ELEVATION STATION -21.000  
 -9.000  
 6.300  
 12.600  
 7.600

ELEVATION STATION -1812.500  
 -303.000  
 103.000  
 243.000  
 483.000

ELEVATION STATION -18.000  
 -3.000  
 8.000  
 9.000  
 6.700

ELEVATION STATION -1200.000  
 -250.000  
 124.000  
 273.000  
 363.000

LISTING OF OUTPUT

\* \* \* \* \* TRANSECT NUMBER 2.000 \* \* \* \* \* DUNE EROSION ANALYSIS  
 STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 1908.161  
 EROSION AREA = 1907.661

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.0000	-3630.0000	-27.0000	-3077.5000	-24.0000	-2425.0000	-21.0000	-1812.5000	-18.0000	-1200.0000
-15.0000	-3500.0000	-13.7677	-2947.2334	-6.9522	-1782.3971	-6.4882	-1700.0000	-5.0599	-600.0000
2.2201	-300.0000	3.3412	-1250.0000	3.3807	-1125.8000	3.7882	202.0000	7.1110	63.0000
9.0173	245.0000	8.6720	273.0000	8.8115	336.0000	8.5771	361.6338	7.1633	222.0000
0.7000	545.0000	0.6000	588.0000	8.8114	384.6008	8.5500	416.0000	7.6000	488.0000

ONSORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO 2.000  
TRANSECT NO.

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
9.000	202.000	4.000	43.000	6.300	103.000	8.300	124.000	8.800	125.000
9.400	202.000	14.000	223.000	12.400	243.000	8.400	273.000	9.400	329.000
9.747	201.000	19.072	284.186	9.073	270.247	8.900	276.000	8.814	384.808
8.300	416.000	7.600	488.000	6.700	343.000	6.600	388.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
3.788	202.000	1.110	43.000	3.201	103.000	1.340	124.000	3.387	125.000
3.862	202.000	7.041	223.000	3.191	243.000	1.872	273.000	3.315	329.000
3.371	201.000	7.165	284.186	4.913	270.247	8.900	276.000	3.814	384.808
8.300	416.000	7.600	488.000	6.700	343.000	6.600	388.000		

\*\*\*\*\* TRANSECT NUMBER 2.000 \*\*\*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	2.000	6.3	10.3	1.0	5.0
1	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	.....
3	.....	.....	.....	.....	.....
4	.....	.....	.....	.....	.....
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32	.....	.....	.....	.....	.....
33	.....	.....	.....	.....	.....
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38	.....	.....	.....	.....	.....
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41	.....	.....	.....	.....	.....
42	.....	.....	.....	.....	.....
43	.....	.....	.....	.....	.....
44	.....	.....	.....	.....	.....
45	.....	.....	.....	.....	.....
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47	.....	.....	.....	.....	.....
48	.....	.....	.....	.....	.....
49	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....



LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 3  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
J1 -2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-O.97	TRACE		
X1 3.000	25.000	-27.600	10.300	1.000	34.450	1.000	1.000	.000	.000

RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G.E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WMAFIS OPTION	NGVD-MSL	
X2 28.750	.600	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

GR	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-630.000	-24.000	-3650.500	-18.000	-1000.000	-15.000	-875.000	-12.000	-750.000
GR	-9.000	-670.000	-6.000	-590.000	-1.900	-35.000	-1.500	-27.600	.000	.000
GR	5.800	101.000	7.400	108.000	9.900	151.000	11.200	167.000	13.400	234.000
GR	12.700	249.000	8.800	264.000	9.900	295.000	8.500	355.000	7.200	413.000
GR	7.100	527.000	6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000

LISTING OF OUTPUT

\*\*\* TRANSECT NUMBER 3.000 \*\*\* DUNE EROSION ANALYSIS  
 STILL WATER ELEVATION= 10.100 NGVD PIVOT ELEVATION= -2.000 NSL  
 SLOPE FLAEMING'S FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 1808.593  
 EROSION AREA = 1808.582

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
30.000	-6300.000	24.000	-3650.000	-18.000	-1000.000	-15.000	-875.000	-14.775	-885.000
9.992	-711.000	6.482	-750.000	3.000	-670.000	2.935	-590.000	1.690	-535.000
1.300	-271.000	5.783	234.000	1.934	101.000	3.723	108.000	3.909	151.000
3.526	167.000	5.570	355.000	5.238	249.000	3.387	204.000	7.200	295.000
3.307	349.448	6.776	639.000	8.440	357.664	8.318	363.118	7.200	413.000
7.100	527.000	6.700		6.200	696.000	6.100	759.000	6.100	1006.000

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 3.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.000	0.000	5.800	101.000	7.400	108.000	9.900	151.000	11.200	167.000
13.400	234.000	12.700	249.000	8.800	264.000	9.900	295.000	8.630	349.448
8.500	355.000	8.440	357.664	8.318	363.118	7.200	413.000	7.100	527.000
6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
7.788	0.000	1.964	101.000	2.723	108.000	3.909	151.000	4.526	167.000
5.570	234.000	5.238	249.000	3.387	264.000	3.909	295.000	3.307	349.448
6.776	355.000	8.440	357.664	8.318	363.118	7.200	413.000	7.100	527.000
6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000		

\*\*\*\*\* TRANSECT NUMBER 3.000 \*\*\*\*\*\_WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

					TRANSECT NO.				
IF	.0	.8	24.0	6.3	10.3	3.000			
OF	28.9	.0	.00	.00	1.00	.000			
IF	107.0	2.0	.00	.00	.00	.000			
IF	108.0	2.7	.00	.00	.00	.000			
IF	151.0	3.9	.00	.00	.00	.000			
IF	167.0	4.5	.00	.00	.00	.000			
IF	234.0	5.6	.00	.00	.00	.000			
IF	249.0	5.2	.00	.00	.00	.000			
IF	264.0	5.4	.00	.00	.00	.000			
IF	295.0	5.9	.00	.00	.00	.000			
IF	349.4	5.3	.00	.00	.00	.000			
IF	355.0	6.8	.00	.00	.00	.000			
IF	357.7	8.4	.00	.00	.00	.000			
IF	363.1	8.3	.00	.00	.00	.000			
IF	413.0	7.2	.00	.00	.00	.000			
IF	527.0	7.1	.00	.00	.00	.000			
IF	634.0	6.7	.00	.00	.00	.000			
IF	674.0	6.2	.00	.00	.00	.000			
ET	1000.0	1000.0	5.0	.00	.00	.000			

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 LISTING OF INPUT DATA  
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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 4  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
J1	-2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000

TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
X1	6.000	18.000	-187.500	10.300	1.000	34.450	1.000	.000	.000

RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G/E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD- MSL	
K2	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	2680.000	-24.000	3430.000	-18.000	1180.000	-15.000	1065.000	-12.000	950.000
GR	-7.000	850.000	-6.000	750.000	-3.000	375.000	-1.500	187.500	-.800	18.000
GR	.000	.000	3.500	54.000	7.500	72.000	5.400	103.000	5.600	108.000
GR	4.800	282.000	4.000	598.000	4.000	1000.000				

LISTING OF OUTPUT

\*\*\* TRANSECT NUMBER 4.000 \*\*\* DUNE EROSION ANALYSIS

STILL WATER ELEVATION= 10.100 NGVD PIVOT ELEVATION= -2.000 NSL  
 SLOPE FLATTENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 1902.894  
 EROSION AREA = 1903.389

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-5680.000	-24.000	-5430.000	-18.000	-1180.000	-13.000	-1065.000	-14.982	-1094.000
-6.952	-1987.900	-6.432	-930.000	-5.059	-850.000	-3.635	-750.000	-2.212	-1095.000
-1.300	-187.500	-1.168	-108.000	-1.788	-282.000	-1.873	-54.000	-1.771	-72.000
-1.774	-105.000	-1.869	-568.760	-1.469	-595.385	-1.128	-582.962	-1.854	-584.125
4.000	1000.000	4.023		4.012		4.000		4.000	602.625

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 4.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	3.500	54.000	7.500	72.000	5.400	103.000	5.600	108.000
4.800	252.000	4.038	582.962	4.035	584.125	4.026	587.601	4.023	588.760
4.012	593.385	4.000	598.000	4.000	602.625	4.000	1000.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	.873	54.000	2.771	72.000	1.774	103.000	1.869	108.000
1.489	252.000	1.128	582.962	1.854	584.125	4.026	587.601	4.023	588.760
4.012	593.385	4.000	598.000	4.000	602.625	4.000	1000.000		

\*\*\* TRANSECT NUMBER 4.000 \*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	WAVE HEIGHT INPUT
1	1000.00
2	1000.00
3	1000.00
4	1000.00
5	1000.00
6	1000.00
7	1000.00
8	1000.00
9	1000.00
10	1000.00
11	1000.00
12	1000.00
13	1000.00
14	1000.00
15	1000.00
16	1000.00
17	1000.00
18	1000.00
19	1000.00
20	1000.00
21	1000.00
22	1000.00
23	1000.00
24	1000.00



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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 'S  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP SLOPE FLAT OFFSHORE ONSHORE  
ELEVATION FACTOR CL ANGLE CL ANGLE  
-2.000 -99.000 6.000 32.000 .000 .000 .000 .000 .000 .000

K1 TRANSECT NO. OF P9P STILL TIDE  
NO. 5.000 GR 22.000 STATION WATER EL ELEVATION LATITUDE SMALLEST  
-112.500 10.300 1.000 34.450 5-0.97  
RADIUS TO SEDIMENT F-G/AE F-M 10-YEAR  
MAX WIND DIAMETER .800 .900 11.500 END OF STILL EL  
28.750 .400 674.000 EROSION OPTION

K2 ELEVATION STATION ELEVATION STATION ELEVATION STATION ELEVATION STATION ELEVATION STATION  
-30.000 -3000.000 -24.000 -2950.000 -18.000 -900.000 -15.000 -850.000 -12.000 -800.000  
GR -4.000 -645.000 -6.000 -420.000 -3.000 -225.000 -1.500 -112.500 9.000 96.000  
GR 1.500 108.000 2.000 130.000 10.100 149.000 8.600 167.000 7.300 215.000  
GR 2.500 950.000 7.500 1000.000 12.600 167.000 8.600 167.000 7.300 215.000  
GR

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 5.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2163.813  
 EROSION AREA = 2164.185

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-5000.000	-24.000	-2950.000	-18.065	-922.216	-18.000	-900.000	-10.475	-850.000
-6.952	-316.478	-6.482	-800.000	-5.059	-625.000	-3.635	-450.000	-2.212	-225.000
-1.500	-112.500	-0.788	-0.000	-0.171	12.000	2.154	57.000	4.004	66.000
6.329	76.000	3.482	96.000	3.577	108.000	3.462	130.000	5.191	149.000
5.293	167.000	2.676	215.000	2.676	439.551	7.264	426.894	7.300	446.952
7.300	454.293	7.300	461.691	7.300	469.090	7.300	476.489	7.300	483.887
7.300	491.286	7.300	498.684	7.300	506.083	7.300	513.482	7.300	520.880
7.300	528.279	7.300	535.678	7.300	543.076	7.300	550.475	7.300	557.873
7.300	565.272	7.300	572.671	7.300	580.069	7.300	587.468	7.300	594.866
7.300	602.265	7.300	609.664	7.300	617.062	7.300	624.461	7.300	631.860
7.300	639.258	7.300	646.657	7.300	654.055	7.300	661.454	7.300	668.853
7.300	676.251	7.300	683.650	7.300	691.048	7.300	698.447	7.300	705.846
7.300	713.244	7.300	720.643	7.300	728.042	7.300	735.440	7.300	742.839
7.300	750.237	7.300	757.636	7.300	765.035	7.300	772.433	7.300	779.832
7.300	747.230	7.300	794.629	7.300	802.028	7.300	809.426	7.300	816.825
7.300	824.224	7.300	831.622	7.300	839.021	7.300	846.419	7.300	853.818
7.300	861.217	7.300	868.615	7.300	876.014	7.300	883.412	7.300	890.811
7.300	893.210	7.300	905.608	7.300	913.007	7.300	920.406	7.300	927.804
7.300	935.203	7.300	942.601	7.300	950.000	7.300	957.400	7.300	1000.000

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO. 5.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
7.300	942.601	7.300	950.000	7.300	957.406	7.300	1000.000
7.300	903.615	7.300	876.017	7.300	885.412	7.300	827.804
7.300	858.615	7.300	839.021	7.300	846.419	7.300	813.811
7.300	734.622	7.300	702.029	7.300	772.426	7.300	816.825
7.300	720.643	7.300	765.035	7.300	772.433	7.300	832.839
7.300	664.657	7.300	697.048	7.300	692.447	7.300	742.853
7.300	609.664	7.300	580.062	7.300	661.456	7.300	668.868
7.300	572.671	7.300	545.076	7.300	557.468	7.300	594.886
7.300	498.683	7.300	506.083	7.300	515.482	7.300	557.899
7.300	461.691	7.300	439.591	7.300	476.489	7.300	520.913
7.300	215.000	7.300	108.000	7.300	130.000	7.300	446.952
7.300	9.000	7.300	1.000	7.300	1.000	7.300	1.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
7.300	942.601	7.300	950.000	7.300	957.406	7.300	1000.000
7.300	868.615	7.300	839.021	7.300	846.419	7.300	813.811
7.300	813.615	7.300	785.029	7.300	792.426	7.300	765.825
7.300	720.643	7.300	765.035	7.300	772.433	7.300	742.853
7.300	664.657	7.300	697.048	7.300	692.447	7.300	668.868
7.300	609.664	7.300	580.062	7.300	557.468	7.300	594.886
7.300	572.671	7.300	545.076	7.300	515.482	7.300	557.899
7.300	498.683	7.300	439.591	7.300	476.489	7.300	520.913
7.300	461.691	7.300	108.000	7.300	130.000	7.300	446.952
7.300	215.000	7.300	1.000	7.300	1.000	7.300	1.000



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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 6  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP SLOPE FLAT OFFSHORE ONSHORE  
ELEVATION FACTOR CL ANGLE CL ANGLE  
-2.000 -99.000 6.000 32.000  
.000 .000 .000 .000

X1 TRANSECT NO. OF PBP STILL TIDE  
NO. GR POINTS STATION WATER EL ELEVATION LATITUDE SMALLEST TRACE  
6.000 26.000 -112.800 10.500 1.000 34.450 1.000 1.000  
X2 RADIUS TO SEDIMENT F-G/E F-M END OF 10-YEAR WHAFIS  
MAX MIND DIAMETER 600 .800 .900 674.000 6.500 1.000  
HGYD-  
MSL .500 .000

GR ELEVATION STATION ELEVATION STATION ELEVATION STATION ELEVATION STATION ELEVATION STATION  
-30.000 -2920.000 -24.000 -1885.000 -18.000 -950.000 -13.000 -825.000 -12.000 -700.000  
GR -9.000 -575.000 -6.000 -450.000 -3.000 -225.000 -1.500 -112.800 14.000 100.000  
GR 1.000 112.000 4.700 60.000 7.700 75.000 12.300 86.000 8.000 170.000  
GR 14.400 115.000 9.100 131.000 11.500 145.000 18.200 154.000 6.600 170.000  
GR 4.000 199.000 11.100 222.000 8.400 247.000 7.600 275.000 7.600 950.000  
GR 7.600 1000.000

LISTING OF OUTPUT

\* \* \* \* \* TRANSECT NUMBER 6.000 \* \* \* \* \*\_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1846.912  
 EROSION AREA = 1847.304

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-2320.000	-24.000	-1885.000	-18.000	-950.000	-15.000	-825.000	-14.775	-815.633
-6.952	-741.196	-6.432	-700.000	-5.059	-575.000	-3.635	-450.000	-2.212	-225.000
-1.500	-112.800	-1.788	0.000	-0.314	12.000	1.442	60.000	2.366	76.000
5.048	86.000	5.855	100.000	5.096	115.000	3.530	131.000	4.716	145.000
5.103	154.000	3.293	170.000	3.008	199.000	4.479	222.000	3.198	247.000
2.818	275.000	2.818	361.840	7.002	368.536	7.600	369.492	7.600	376.187
7.600	383.838	7.600	391.429	7.600	399.139	7.600	406.790	7.600	414.441
7.600	422.092	7.600	429.743	7.600	437.394	7.600	445.044	7.600	452.695
7.600	460.346	7.600	467.997	7.600	475.648	7.600	483.299	7.600	490.950
7.600	498.600	7.600	506.251	7.600	513.902	7.600	521.553	7.600	529.204
7.600	536.855	7.600	544.505	7.600	552.156	7.600	559.807	7.600	567.458
7.600	575.109	7.600	582.760	7.600	590.410	7.600	598.061	7.600	605.712
7.600	613.363	7.600	621.014	7.600	628.665	7.600	636.316	7.600	643.966
7.600	651.617	7.600	659.268	7.600	666.919	7.600	674.570	7.600	682.221
7.600	689.871	7.600	697.522	7.600	705.173	7.600	712.824	7.600	720.475
7.600	728.125	7.600	735.776	7.600	743.427	7.600	751.078	7.600	758.729
7.600	766.380	7.600	774.031	7.600	781.681	7.600	789.332	7.600	796.983
7.600	804.634	7.600	812.285	7.600	819.936	7.600	827.587	7.600	835.237
7.600	842.888	7.600	850.539	7.600	858.190	7.600	865.841	7.600	873.492
7.600	881.142	7.600	888.793	7.600	896.444	7.600	904.095	7.600	911.746
7.600	919.397	7.600	927.047	7.600	934.698	7.600	942.349	7.600	950.000
7.600	957.653	7.600	1000.000						

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO POINT  
TRANSECT NO. 8.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
7.000	100.0000	7.000	12.0000	7.000	60.0000	7.000	76.0000
7.000	100.0000	7.000	13.0000	7.000	61.0000	7.000	77.0000
7.000	100.0000	7.000	14.0000	7.000	62.0000	7.000	78.0000
7.000	100.0000	7.000	15.0000	7.000	63.0000	7.000	79.0000
7.000	100.0000	7.000	16.0000	7.000	64.0000	7.000	80.0000
7.000	100.0000	7.000	17.0000	7.000	65.0000	7.000	81.0000
7.000	100.0000	7.000	18.0000	7.000	66.0000	7.000	82.0000
7.000	100.0000	7.000	19.0000	7.000	67.0000	7.000	83.0000
7.000	100.0000	7.000	20.0000	7.000	68.0000	7.000	84.0000
7.000	100.0000	7.000	21.0000	7.000	69.0000	7.000	85.0000
7.000	100.0000	7.000	22.0000	7.000	70.0000	7.000	86.0000
7.000	100.0000	7.000	23.0000	7.000	71.0000	7.000	87.0000
7.000	100.0000	7.000	24.0000	7.000	72.0000	7.000	88.0000
7.000	100.0000	7.000	25.0000	7.000	73.0000	7.000	89.0000
7.000	100.0000	7.000	26.0000	7.000	74.0000	7.000	90.0000
7.000	100.0000	7.000	27.0000	7.000	75.0000	7.000	91.0000
7.000	100.0000	7.000	28.0000	7.000	76.0000	7.000	92.0000
7.000	100.0000	7.000	29.0000	7.000	77.0000	7.000	93.0000
7.000	100.0000	7.000	30.0000	7.000	78.0000	7.000	94.0000
7.000	100.0000	7.000	31.0000	7.000	79.0000	7.000	95.0000
7.000	100.0000	7.000	32.0000	7.000	80.0000	7.000	96.0000
7.000	100.0000	7.000	33.0000	7.000	81.0000	7.000	97.0000
7.000	100.0000	7.000	34.0000	7.000	82.0000	7.000	98.0000
7.000	100.0000	7.000	35.0000	7.000	83.0000	7.000	99.0000
7.000	100.0000	7.000	36.0000	7.000	84.0000	7.000	100.0000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
7.000	100.0000	5.000	115.0000	1.000	90.0000	3.000	145.0000
7.000	100.0000	5.000	116.0000	1.000	91.0000	3.000	146.0000
7.000	100.0000	5.000	117.0000	1.000	92.0000	3.000	147.0000
7.000	100.0000	5.000	118.0000	1.000	93.0000	3.000	148.0000
7.000	100.0000	5.000	119.0000	1.000	94.0000	3.000	149.0000
7.000	100.0000	5.000	120.0000	1.000	95.0000	3.000	150.0000
7.000	100.0000	5.000	121.0000	1.000	96.0000	3.000	151.0000
7.000	100.0000	5.000	122.0000	1.000	97.0000	3.000	152.0000
7.000	100.0000	5.000	123.0000	1.000	98.0000	3.000	153.0000
7.000	100.0000	5.000	124.0000	1.000	99.0000	3.000	154.0000
7.000	100.0000	5.000	125.0000	1.000	100.0000	3.000	155.0000
7.000	100.0000	5.000	126.0000	1.000	101.0000	3.000	156.0000
7.000	100.0000	5.000	127.0000	1.000	102.0000	3.000	157.0000
7.000	100.0000	5.000	128.0000	1.000	103.0000	3.000	158.0000
7.000	100.0000	5.000	129.0000	1.000	104.0000	3.000	159.0000
7.000	100.0000	5.000	130.0000	1.000	105.0000	3.000	160.0000
7.000	100.0000	5.000	131.0000	1.000	106.0000	3.000	161.0000
7.000	100.0000	5.000	132.0000	1.000	107.0000	3.000	162.0000
7.000	100.0000	5.000	133.0000	1.000	108.0000	3.000	163.0000
7.000	100.0000	5.000	134.0000	1.000	109.0000	3.000	164.0000
7.000	100.0000	5.000	135.0000	1.000	110.0000	3.000	165.0000
7.000	100.0000	5.000	136.0000	1.000	111.0000	3.000	166.0000
7.000	100.0000	5.000	137.0000	1.000	112.0000	3.000	167.0000
7.000	100.0000	5.000	138.0000	1.000	113.0000	3.000	168.0000
7.000	100.0000	5.000	139.0000	1.000	114.0000	3.000	169.0000
7.000	100.0000	5.000	140.0000	1.000	115.0000	3.000	170.0000
7.000	100.0000	5.000	141.0000	1.000	116.0000	3.000	171.0000
7.000	100.0000	5.000	142.0000	1.000	117.0000	3.000	172.0000
7.000	100.0000	5.000	143.0000	1.000	118.0000	3.000	173.0000
7.000	100.0000	5.000	144.0000	1.000	119.0000	3.000	174.0000
7.000	100.0000	5.000	145.0000	1.000	120.0000	3.000	175.0000
7.000	100.0000	5.000	146.0000	1.000	121.0000	3.000	176.0000
7.000	100.0000	5.000	147.0000	1.000	122.0000	3.000	177.0000
7.000	100.0000	5.000	148.0000	1.000	123.0000	3.000	178.0000
7.000	100.0000	5.000	149.0000	1.000	124.0000	3.000	179.0000
7.000	100.0000	5.000	150.0000	1.000	125.0000	3.000	180.0000





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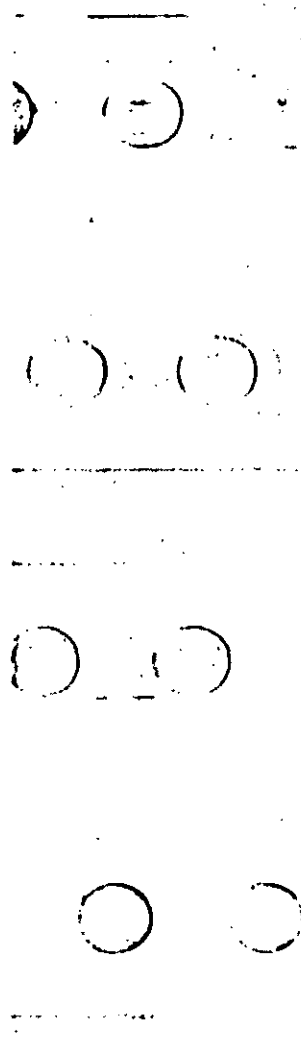
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LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/83 - TRANSECT 7  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
J1	PBP ELEVATION -2.000	SLOPE FACTOR -99.000	OFFSHORE CL ANGLE 0.000	ONSHORE CL ANGLE 32.000									
X1	TRANSECT NO. 7.000	NO. OF POINTS GR 25.000	PBP STATION -125.000	STILL WATER EL 10.300	TIDE ELEVATION 1.000	LATITUDE 34.450	SMALLEST 1.000	TRACE 1.000					
X2	RADIUS TO MAX 28.750	DIAMETER SEDIMENT 400	F-G/E .800	F-M .900	TRANS SPEED 11.500	END OF EROSION 674.000	10-YEAR STILL EL 6.300	WHAFFIS OPTION 1.000	NGVD-MSL -500				
GR	ELEVATION STATION -30.000	-2520.000	ELEVATION STATION -24.000	-1750.000	ELEVATION STATION -18.000	-980.000	ELEVATION STATION -13.000	-843.000	ELEVATION STATION -12.000	-710.000			
GR	-9.000	-505.000	-9.000	-500.000	-3.000	-250.000	-1.300	-123.000	11.000	108.000			
GR	12.400	142.000	16.300	77.000	10.600	95.000	8.300	209.000	7.000	233.000			
GR	10.500	251.000	10.900	310.000	6.500	411.000	8.300	471.000	8.500	1000.000			

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 7.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1747.962  
 EROSION AREA = 1747.964

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-50.000	-2520.000	-24.000	-1750.000	-18.000	-980.000	-15.000	-845.000	-14.607	-827.332
-6.952	-754.491	-6.432	-710.000	-5.059	-605.000	-3.635	-500.000	-2.212	-250.000
-1.500	-125.000	-0.788	0.000	-0.361	12.000	1.964	77.000	4.242	95.000
3.380	103.000	4.716	108.000	5.076	142.000	6.746	154.000	4.194	182.000
3.103	209.000	2.533	233.000	4.194	251.000	4.384	310.000	4.382	310.116
7.859	315.681	10.470	319.860	10.236	325.233	9.834	334.459	9.446	343.368
9.071	351.973	8.710	360.281	8.360	368.306	8.022	376.055	7.696	383.539
7.381	390.767	7.077	397.748	6.784	404.489	6.500	411.000	6.737	418.107
8.500	471.000	8.500	1000.000						

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO. 7.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.000	100.000	0.900	12.000	5.400	77.000	13.000	103.000
1.600	106.400	12.400	142.000	6.300	154.000	18.200	209.000
7.000	233.000	10.300	251.000	10.900	170.000	10.600	209.000
10.470	319.890	10.230	323.273	9.872	329.428	7.771	315.881
8.710	360.291	8.360	368.306	8.022	376.055	7.181	331.773
7.077	397.748	6.784	404.489	6.500	411.000	8.500	390.767
8.500	1000.000						471.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.784	108.000	5.061	12.000	1.304	77.000	3.180	103.000
4.716	108.000	5.061	12.000	6.146	154.000	3.180	209.000
2.333	233.000	4.194	231.000	9.384	310.000	7.839	315.881
10.470	319.890	8.236	323.273	9.022	329.428	9.071	331.773
8.710	360.291	8.360	368.306	6.500	376.055	7.381	390.767
7.077	397.748	6.784	404.489	6.500	411.000	3.500	471.000
8.500	1000.000						



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LISTING OF INPUT DATA

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T8 ONSLOW COUNTY, NORTH CAROLINA - 0/96 - TRANSECT B  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP SLOPE FLAT OFFSHORE ONSHORE  
ELEVATION FACTOR CL ANGLE CL ANGLE  
-2.000 -99.000 6.000 32.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. OF PBP STILL TIDE  
NO. 8.000 GR 29.000 POINTS STATION WATER EL ELEVATION LATITUDE  
RADIUS TO SEDIMENT F-G/E F-M END OF 10-YEAR  
MAX MIND DIAMETER .600 .900 11.500 574.000 307.000  
28.750 .400

GR ELEVATION STATION ELEVATION STATION ELEVATION STATION ELEVATION STATION ELEVATION STATION  
-30.000 -1953.000 -24.000 -1500.000 -18.000 -1050.000 -15.000 -950.000 -12.000 -850.000  
GR -9.000 -325.000 -6.000 -400.000 -3.000 -200.000 -1.500 -100.000 -1.000 -50.000  
GR 1.000 10.000 9.000 60.000 9.800 12.400 12.400 105.000 14.800 110.000  
GR 10.000 129.000 11.000 139.000 20.800 167.000 167.000 197.000 17.800 178.000  
GR 7.000 204.000 7.000 209.000 6.700 327.000 327.000 327.000 4.500 338.000  
GR 6.500 351.000 6.900 373.000 6.900 950.000 950.000 1000.000

LISTING OF OUTPUT

\* \* \* \* \* TRANSECT NUMBER 8.000 \* \* \* \* \* DUNE EROSION ANALYSIS

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLAYENING FACTOR= 2.105 CLOSURE DEPTH= -12.904 NGVD

DEPOSITION AREA = 2508.464  
 EROSION AREA = 2508.703

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-1950.000	-24.000	-1500.000	-18.000	-1050.000	-13.295	-959.848
-29.917	-1850.000	-6.457	-850.000	-5.062	-525.000	-2.037	-400.000
-29.802	-1750.000	0.248	10.000	2.205	10.000	2.425	139.000
-29.677	-1650.000	6.242	118.000	4.535	204.000	4.537	273.000
-29.552	-1550.000	1.255	318.000	2.300	305.485	2.490	342.000
-29.427	-1450.000	6.900	518.000	6.900	511.222	6.900	543.000
-29.302	-1350.000	0.900	718.000	0.900	649.681	0.900	693.000
-29.177	-1250.000	0.900	918.000	0.900	681.889	0.900	693.000
-29.052	-1150.000	0.900	1118.000	0.900	717.159	0.900	693.000
-28.927	-1050.000	0.900	1318.000	0.900	752.438	0.900	693.000
-28.802	-950.000	0.900	1518.000	0.900	787.717	0.900	693.000
-28.677	-850.000	0.900	1718.000	0.900	822.996	0.900	693.000
-28.552	-750.000	0.900	1918.000	0.900	858.275	0.900	693.000
-28.427	-650.000	0.900	2118.000	0.900	893.554	0.900	693.000
-28.302	-550.000	0.900	2318.000	0.900	928.833	0.900	693.000
-28.177	-450.000	0.900	2518.000	0.900	1000.000	0.900	693.000
-28.052	-350.000	0.900	2718.000	0.900		0.900	693.000
-27.927	-250.000	0.900	2918.000	0.900		0.900	693.000
-27.802	-150.000	0.900	3118.000	0.900		0.900	693.000
-27.677	-50.000	0.900	3318.000	0.900		0.900	693.000
-27.552	50.000	0.900	3518.000	0.900		0.900	693.000
-27.427	150.000	0.900	3718.000	0.900		0.900	693.000
-27.302	250.000	0.900	3918.000	0.900		0.900	693.000
-27.177	350.000	0.900	4118.000	0.900		0.900	693.000
-27.052	450.000	0.900	4318.000	0.900		0.900	693.000
-26.927	550.000	0.900	4518.000	0.900		0.900	693.000
-26.802	650.000	0.900	4718.000	0.900		0.900	693.000
-26.677	750.000	0.900	4918.000	0.900		0.900	693.000
-26.552	850.000	0.900	5118.000	0.900		0.900	693.000
-26.427	950.000	0.900	5318.000	0.900		0.900	693.000
-26.302	1050.000	0.900	5518.000	0.900		0.900	693.000
-26.177	1150.000	0.900	5718.000	0.900		0.900	693.000
-26.052	1250.000	0.900	5918.000	0.900		0.900	693.000
-25.927	1350.000	0.900	6118.000	0.900		0.900	693.000
-25.802	1450.000	0.900	6318.000	0.900		0.900	693.000
-25.677	1550.000	0.900	6518.000	0.900		0.900	693.000
-25.552	1650.000	0.900	6718.000	0.900		0.900	693.000
-25.427	1750.000	0.900	6918.000	0.900		0.900	693.000
-25.302	1850.000	0.900	7118.000	0.900		0.900	693.000
-25.177	1950.000	0.900	7318.000	0.900		0.900	693.000
-25.052	2050.000	0.900	7518.000	0.900		0.900	693.000
-24.927	2150.000	0.900	7718.000	0.900		0.900	693.000
-24.802	2250.000	0.900	7918.000	0.900		0.900	693.000
-24.677	2350.000	0.900	8118.000	0.900		0.900	693.000
-24.552	2450.000	0.900	8318.000	0.900		0.900	693.000
-24.427	2550.000	0.900	8518.000	0.900		0.900	693.000
-24.302	2650.000	0.900	8718.000	0.900		0.900	693.000
-24.177	2750.000	0.900	8918.000	0.900		0.900	693.000
-24.052	2850.000	0.900	9118.000	0.900		0.900	693.000
-23.927	2950.000	0.900	9318.000	0.900		0.900	693.000
-23.802	3050.000	0.900	9518.000	0.900		0.900	693.000

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO.

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.000	000	1.100	110	0.100	000	9.800	86	12.400	105
0.000	100	1.500	150	0.500	000	0.300	000	12.700	107
14.500	145	7.100	710	1.900	000	0.700	000	13.200	112
0.000	200	0.300	000	0.900	000	0.900	000	0.900	000
0.000	300	0.300	000	0.900	000	0.900	000	0.900	000
0.000	400	0.300	000	0.900	000	0.900	000	0.900	000
0.000	500	0.300	000	0.900	000	0.900	000	0.900	000
0.000	600	0.300	000	0.900	000	0.900	000	0.900	000
0.000	700	0.300	000	0.900	000	0.900	000	0.900	000
0.000	800	0.300	000	0.900	000	0.900	000	0.900	000
0.000	900	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1000	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1100	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1200	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1300	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1400	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1500	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1600	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1700	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1800	0.300	000	0.900	000	0.900	000	0.900	000
0.000	1900	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2000	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2100	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2200	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2300	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2400	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2500	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2600	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2700	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2800	0.300	000	0.900	000	0.900	000	0.900	000
0.000	2900	0.300	000	0.900	000	0.900	000	0.900	000
0.000	3000	0.300	000	0.900	000	0.900	000	0.900	000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.000	000	1.100	110	2.200	220	3.300	330	4.400	440
0.000	100	1.100	110	2.200	220	3.300	330	4.400	440
0.000	200	1.100	110	2.200	220	3.300	330	4.400	440
0.000	300	1.100	110	2.200	220	3.300	330	4.400	440
0.000	400	1.100	110	2.200	220	3.300	330	4.400	440
0.000	500	1.100	110	2.200	220	3.300	330	4.400	440
0.000	600	1.100	110	2.200	220	3.300	330	4.400	440
0.000	700	1.100	110	2.200	220	3.300	330	4.400	440
0.000	800	1.100	110	2.200	220	3.300	330	4.400	440
0.000	900	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1000	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1100	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1200	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1300	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1400	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1500	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1600	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1700	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1800	1.100	110	2.200	220	3.300	330	4.400	440
0.000	1900	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2000	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2100	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2200	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2300	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2400	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2500	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2600	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2700	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2800	1.100	110	2.200	220	3.300	330	4.400	440
0.000	2900	1.100	110	2.200	220	3.300	330	4.400	440
0.000	3000	1.100	110	2.200	220	3.300	330	4.400	440





LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 9  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
J1	-2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
X1	9.000	23.000	-135.000	10.300	1.000	34.450	1.000	1.000	.000	-0.00
	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G/E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFFIS OPTION	NGVD-MSL	
K2	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2300.000	-24.000	-1725.000	-18.000	-1150.000	-15.000	-1020.000	-12.000	-890.000
GR	-9.000	-715.000	-6.000	-540.000	-3.000	-270.000	-1.500	-135.000	.000	.000
GR	-2.000	1.000	6.400	81.000	10.700	104.000	14.600	108.000	20.000	126.000
GR	13.500	136.000	10.000	147.000	10.100	155.000	8.200	223.000	5.900	395.000
GR	5.900	453.000	5.900	950.000	5.900	1000.000				

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 9.000 \*\*\*\*\* PURE EROSION ANALYSIS

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATTENING FACTOR= 2.107 FLOURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 2328.109

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
10.000	2300.000	-24.000	-1725.000	-18.000	-1159.000	5.000	1020.000
9.800	2280.000	-24.000	-1745.000	-18.000	-1179.000	5.000	1040.000
9.600	2260.000	-24.000	-1765.000	-18.000	-1199.000	5.000	1060.000
9.400	2240.000	-24.000	-1785.000	-18.000	-1219.000	5.000	1080.000
9.200	2220.000	-24.000	-1805.000	-18.000	-1239.000	5.000	1100.000
9.000	2200.000	-24.000	-1825.000	-18.000	-1259.000	5.000	1120.000
8.800	2180.000	-24.000	-1845.000	-18.000	-1279.000	5.000	1140.000
8.600	2160.000	-24.000	-1865.000	-18.000	-1299.000	5.000	1160.000
8.400	2140.000	-24.000	-1885.000	-18.000	-1319.000	5.000	1180.000
8.200	2120.000	-24.000	-1905.000	-18.000	-1339.000	5.000	1200.000
8.000	2100.000	-24.000	-1925.000	-18.000	-1359.000	5.000	1220.000
7.800	2080.000	-24.000	-1945.000	-18.000	-1379.000	5.000	1240.000
7.600	2060.000	-24.000	-1965.000	-18.000	-1399.000	5.000	1260.000
7.400	2040.000	-24.000	-1985.000	-18.000	-1419.000	5.000	1280.000
7.200	2020.000	-24.000	-2005.000	-18.000	-1439.000	5.000	1300.000
7.000	2000.000	-24.000	-2025.000	-18.000	-1459.000	5.000	1320.000
6.800	1980.000	-24.000	-2045.000	-18.000	-1479.000	5.000	1340.000
6.600	1960.000	-24.000	-2065.000	-18.000	-1499.000	5.000	1360.000
6.400	1940.000	-24.000	-2085.000	-18.000	-1519.000	5.000	1380.000
6.200	1920.000	-24.000	-2105.000	-18.000	-1539.000	5.000	1400.000
6.000	1900.000	-24.000	-2125.000	-18.000	-1559.000	5.000	1420.000
5.800	1880.000	-24.000	-2145.000	-18.000	-1579.000	5.000	1440.000
5.600	1860.000	-24.000	-2165.000	-18.000	-1599.000	5.000	1460.000
5.400	1840.000	-24.000	-2185.000	-18.000	-1619.000	5.000	1480.000
5.200	1820.000	-24.000	-2205.000	-18.000	-1639.000	5.000	1500.000
5.000	1800.000	-24.000	-2225.000	-18.000	-1659.000	5.000	1520.000
4.800	1780.000	-24.000	-2245.000	-18.000	-1679.000	5.000	1540.000
4.600	1760.000	-24.000	-2265.000	-18.000	-1699.000	5.000	1560.000
4.400	1740.000	-24.000	-2285.000	-18.000	-1719.000	5.000	1580.000
4.200	1720.000	-24.000	-2305.000	-18.000	-1739.000	5.000	1600.000
4.000	1700.000	-24.000	-2325.000	-18.000	-1759.000	5.000	1620.000
3.800	1680.000	-24.000	-2345.000	-18.000	-1779.000	5.000	1640.000
3.600	1660.000	-24.000	-2365.000	-18.000	-1799.000	5.000	1660.000
3.400	1640.000	-24.000	-2385.000	-18.000	-1819.000	5.000	1680.000
3.200	1620.000	-24.000	-2405.000	-18.000	-1839.000	5.000	1700.000
3.000	1600.000	-24.000	-2425.000	-18.000	-1859.000	5.000	1720.000
2.800	1580.000	-24.000	-2445.000	-18.000	-1879.000	5.000	1740.000
2.600	1560.000	-24.000	-2465.000	-18.000	-1899.000	5.000	1760.000
2.400	1540.000	-24.000	-2485.000	-18.000	-1919.000	5.000	1780.000
2.200	1520.000	-24.000	-2505.000	-18.000	-1939.000	5.000	1800.000
2.000	1500.000	-24.000	-2525.000	-18.000	-1959.000	5.000	1820.000
1.800	1480.000	-24.000	-2545.000	-18.000	-1979.000	5.000	1840.000
1.600	1460.000	-24.000	-2565.000	-18.000	-1999.000	5.000	1860.000
1.400	1440.000	-24.000	-2585.000	-18.000	-2019.000	5.000	1880.000
1.200	1420.000	-24.000	-2605.000	-18.000	-2039.000	5.000	1900.000
1.000	1400.000	-24.000	-2625.000	-18.000	-2059.000	5.000	1920.000
0.800	1380.000	-24.000	-2645.000	-18.000	-2079.000	5.000	1940.000
0.600	1360.000	-24.000	-2665.000	-18.000	-2099.000	5.000	1960.000
0.400	1340.000	-24.000	-2685.000	-18.000	-2119.000	5.000	1980.000
0.200	1320.000	-24.000	-2705.000	-18.000	-2139.000	5.000	2000.000
0.000	1300.000	-24.000	-2725.000	-18.000	-2159.000	5.000	2020.000

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO. 9.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
20.000	126.000	13.200	136.000	10.000	147.000	10.000	155.000	14.600	168.000
5.000	395.000	5.000	302.000	5.000	486.000	5.000	489.000	5.000	492.000
5.000	526.000	5.000	535.000	5.000	506.000	5.000	514.000	5.000	520.000
5.000	559.000	5.000	535.000	5.000	570.000	5.000	565.000	5.000	551.000
5.000	589.000	5.000	595.000	5.000	601.000	5.000	607.000	5.000	602.000
5.000	620.000	5.000	626.000	5.000	601.000	5.000	607.000	5.000	602.000
5.000	631.000	5.000	637.000	5.000	601.000	5.000	607.000	5.000	602.000
5.000	682.000	5.000	688.000	5.000	686.000	5.000	692.000	5.000	698.000
5.000	715.000	5.000	719.000	5.000	726.000	5.000	732.000	5.000	738.000
5.000	744.000	5.000	750.000	5.000	759.000	5.000	765.000	5.000	771.000
5.000	775.000	5.000	781.000	5.000	789.000	5.000	794.000	5.000	800.000
5.000	806.000	5.000	815.000	5.000	819.000	5.000	825.000	5.000	831.000
5.000	858.000	5.000	875.000	5.000	880.000	5.000	887.000	5.000	893.000
5.000	900.000	5.000	906.000	5.000	912.000	5.000	918.000	5.000	924.000
5.000	931.000	5.000	937.000	5.000	943.000	5.000	949.000	5.000	955.000
5.000	1000.000	5.000	937.000	5.000	943.000	5.000	949.000	5.000	955.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
5.000	126.000	5.000	136.000	5.000	147.000	5.000	155.000	5.000	168.000
5.000	395.000	5.000	302.000	5.000	486.000	5.000	489.000	5.000	492.000
5.000	526.000	5.000	535.000	5.000	506.000	5.000	514.000	5.000	520.000
5.000	559.000	5.000	535.000	5.000	570.000	5.000	565.000	5.000	551.000
5.000	589.000	5.000	595.000	5.000	601.000	5.000	607.000	5.000	602.000
5.000	620.000	5.000	626.000	5.000	601.000	5.000	607.000	5.000	602.000
5.000	631.000	5.000	637.000	5.000	601.000	5.000	607.000	5.000	602.000
5.000	682.000	5.000	688.000	5.000	686.000	5.000	692.000	5.000	698.000
5.000	715.000	5.000	719.000	5.000	726.000	5.000	732.000	5.000	738.000
5.000	744.000	5.000	750.000	5.000	759.000	5.000	765.000	5.000	771.000
5.000	775.000	5.000	781.000	5.000	789.000	5.000	794.000	5.000	800.000
5.000	806.000	5.000	815.000	5.000	819.000	5.000	825.000	5.000	831.000
5.000	858.000	5.000	875.000	5.000	880.000	5.000	887.000	5.000	893.000
5.000	900.000	5.000	906.000	5.000	912.000	5.000	918.000	5.000	924.000
5.000	931.000	5.000	937.000	5.000	943.000	5.000	949.000	5.000	955.000
5.000	1000.000	5.000	937.000	5.000	943.000	5.000	949.000	5.000	955.000

\*\*\* TRANSECT NUMBER 9.000 \*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	9.000
1.00	10000.0
2.00	10000.0
3.00	10000.0
4.00	10000.0
5.00	10000.0
6.00	10000.0
7.00	10000.0
8.00	10000.0
9.00	10000.0
10.00	10000.0
11.00	10000.0
12.00	10000.0
13.00	10000.0
14.00	10000.0
15.00	10000.0
16.00	10000.0
17.00	10000.0
18.00	10000.0
19.00	10000.0
20.00	10000.0
21.00	10000.0
22.00	10000.0
23.00	10000.0
24.00	10000.0
25.00	10000.0
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27.00	10000.0
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29.00	10000.0
30.00	10000.0
31.00	10000.0
32.00	10000.0
33.00	10000.0
34.00	10000.0
35.00	10000.0
36.00	10000.0
37.00	10000.0
38.00	10000.0
39.00	10000.0
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45.00	10000.0
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89.00	10000.0
90.00	10000.0
91.00	10000.0
92.00	10000.0
93.00	10000.0
94.00	10000.0
95.00	10000.0
96.00	10000.0
97.00	10000.0
98.00	10000.0
99.00	10000.0
100.00	10000.0

LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 10  
 T2 BEACH PROFILE - 5/86 CDE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION -2.000	SLOPE FLAT FACTOR -99.000	OFFSHORE CL ANGLE 6.000	ONSHORE CL ANGLE 32.000	.000	.000	.000	.000	.000	.000
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X1	TRANSECT NO. 10.000	NO. OF GR POINTS 24.000	PBP STATION -100.000	STILL WATER EL 10.300	TIDE ELEVATION 1.000	LATITUDE 34.450	SMALLEST S-0.97 1.000	TRACE 1.000	.000	.000
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X2	RADIUS TO MAX WIND 28.750	SEDIMENT DIAMETER .400	F-G/E .800	F-M .900	TRANS SPEED 11.500	END OF EROSION 674.000	10-YEAR STILL EL 6.300	WHAFFIS OPTION 1.000	NGVD-MSL -.500	.000
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GR	ELEVATION -50.000	STATION -1800.000	ELEVATION -24.000	STATION -1350.000	ELEVATION -18.000	STATION -900.000	ELEVATION -15.000	STATION -750.000	ELEVATION -12.000	STATION -600.000
GR	-9.000	-500.000	-6.000	-400.000	-3.000	-200.000	-1.500	-100.000	-.000	-.000
GR	.300	9.000	6.000	73.000	11.000	92.000	15.400	102.000	21.600	115.000
GR	22.600	141.000	17.700	154.000	11.500	179.000	9.000	199.000	8.700	216.000
GR	7.500	263.000	5.100	462.000	5.600	504.000	5.600	1000.000		

LISTING OF OUTPUT

\*\*\* TRANSECT NUMBER 10.000 \*\*\* DUNE EROSION ANALYSIS.

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -3.000 NSL  
 SLOPE FLATTENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 1042.674  
 EROSION AREA = 1042.337

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-1800.000	-29.000	-1350.000	-18.000	-900.000	-15.000	-750.000	-14.407	-720.000
-0.922	-049.433	-0.488	-600.000	-5.039	-500.000	-3.033	-400.000	-2.412	-300.000
0.519	102.000	0.461	115.000	0.646	141.000	0.319	154.000	0.311	172.000
3.482	199.000	3.340	216.000	2.841	257.199	2.465	263.000	0.669	179.000
7.410	270.425	5.100	462.000	5.600	504.000	5.600	1000.000	7.480	264.624

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 10.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.000	0.000	-3.000	9.000	6.000	73.000	11.000	92.000	15.400	102.000
21.600	115.000	22.600	141.000	17.700	154.000	11.500	179.000	9.000	199.000
8.700	216.000	7.648	257.199	7.500	263.000	7.480	264.624	7.410	270.425
5.100	462.000	5.600	504.000	5.600	1000.000				

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-7.88	0.000	-6.646	9.000	2.059	73.000	4.431	92.000	6.519	102.000
9.461	115.000	9.936	141.000	7.611	154.000	4.669	179.000	3.482	199.000
3.340	216.000	2.841	257.199	6.465	263.000	7.480	264.624	7.410	270.425
5.100	462.000	5.600	504.000	5.600	1000.000				



\*\*\* TRANSECT NUMBER 10.000 \*\*\* \_ WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	10.000	10.000
0.0	0.0000000000000000	0.0000000000000000
1.0	2.4500000000000000	2.4500000000000000
2.0	6.0500000000000000	6.0500000000000000
3.0	7.9500000000000000	7.9500000000000000
4.0	5.2500000000000000	5.2500000000000000
5.0	2.6500000000000000	2.6500000000000000
6.0	0.0500000000000000	0.0500000000000000
7.0	0.0000000000000000	0.0000000000000000
8.0	0.0000000000000000	0.0000000000000000
9.0	0.0000000000000000	0.0000000000000000
10.0	0.0000000000000000	0.0000000000000000
11.0	0.0000000000000000	0.0000000000000000
12.0	0.0000000000000000	0.0000000000000000
13.0	0.0000000000000000	0.0000000000000000
14.0	0.0000000000000000	0.0000000000000000
15.0	0.0000000000000000	0.0000000000000000
16.0	0.0000000000000000	0.0000000000000000
17.0	0.0000000000000000	0.0000000000000000
18.0	0.0000000000000000	0.0000000000000000
19.0	0.0000000000000000	0.0000000000000000
20.0	0.0000000000000000	0.0000000000000000
21.0	0.0000000000000000	0.0000000000000000
22.0	0.0000000000000000	0.0000000000000000
23.0	0.0000000000000000	0.0000000000000000
24.0	0.0000000000000000	0.0000000000000000
25.0	0.0000000000000000	0.0000000000000000
26.0	0.0000000000000000	0.0000000000000000
27.0	0.0000000000000000	0.0000000000000000
28.0	0.0000000000000000	0.0000000000000000
29.0	0.0000000000000000	0.0000000000000000
30.0	0.0000000000000000	0.0000000000000000

1000.0

5.0

ET1000.0

LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 11  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FACTOR	FLAT CL ANGLE	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
	-2.000	-99.000	6.000	32.000		.000	.000	.000	.000	.000	.000

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
	11.000	25.000	-122.500	10.300	1.000	34.450	1.000	1.000	.000	.000

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G-E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2000.000	-24.000	-1520.000	-18.000	-1040.000	-15.000	-910.000	-12.000	-780.000
GR	-9.000	-630.000	-6.000	-490.000	-3.000	-245.000	-1.500	-122.500	.000	.000
GR	-200	12.000	6.800	112.000	11.300	141.000	12.000	147.000	15.500	165.000
GR	14.500	177.000	8.900	195.000	5.500	212.000	8.800	266.000	8.900	306.000
GR	8.800	351.000	8.500	383.000	7.700	458.000	7.200	571.000	7.200	1000.000



ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NCMD-  
 TRANSECT NO.

PRE-STORM TRANSECT:  
 ELEVATION STATION  
 15:000 145:000  
 8:500 206:000  
 8:157 415:138  
 7:782 450:327

ELEVATION STATION  
 14:500 112:000  
 8:800 177:000  
 8:800 371:000  
 7:700 418:000  
 7:700 458:000

ELEVATION STATION  
 6:800 112:000  
 8:500 187:000  
 8:500 287:000  
 7:066 426:897  
 7:066 465:882

ELEVATION STATION  
 11:500 141:000  
 8:500 215:000  
 8:500 405:132  
 7:200 432:386  
 7:200 571:000

ELEVATION STATION  
 12:000 147:000  
 8:800 264:000  
 8:202 410:927  
 7:884 442:386  
 7:200 1000:000

AFTER STORM TRANSECT:  
 ELEVATION STATION  
 1:788 145:000  
 6:367 206:000  
 3:433 415:138  
 8:157 450:327  
 7:782 450:327

ELEVATION STATION  
 1:893 112:000  
 9:092 177:000  
 3:382 371:000  
 8:117 418:000  
 7:700 458:000

ELEVATION STATION  
 2:438 112:000  
 3:433 193:000  
 3:433 293:000  
 7:066 426:897  
 7:066 465:882

ELEVATION STATION  
 4:372 141:000  
 3:423 215:000  
 3:423 405:132  
 7:200 432:386  
 7:200 571:000

ELEVATION STATION  
 4:306 147:000  
 3:387 264:000  
 3:364 410:927  
 7:864 442:386  
 7:200 1000:000



LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 12  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP SLOPE FLAT OFFSHORE ONSHORE  
 ELEVATION FACTOR CL ANGLE CL ANGLE  
 -2.000 -99.000 6.000 32.000 .000 .000 .000 .000

K1 TRANSECT NO. OF PBP STILL TIDE  
 NO. POINTS GR 26.000 STATION WATER EL ELEVATION LATITUDE  
 12.000 -125.000 10.300 1.000 34.450  
 K2 RADIUS TO SEDIMENT F-G/E F-M TRANS END OF 10-YEAR SMALLEST TRACE  
 MAX WIND DIAMETER 400 .800 .900 SPEED 11.500 EROSION STILL EL OPTION NGVD-  
 28.750 .400 674.000 1.000 -5.500 .000

GR	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2000.000	-24.000	-1500.000	-18.000	-1000.000	-13.000	-450.000	-12.000	-700.000
GR	-4.000	-600.000	-0.000	-500.000	-3.000	-300.000	-1.000	-150.000	-0.800	-500.000
GR	20.000	165.000	13.100	5.000	7.300	117.000	10.900	149.000	13.000	130.000
GR	20.100	311.000	13.900	191.000	10.700	214.000	9.600	243.000	7.000	130.000
GR	6.400	674.000	6.500	341.000	5.700	527.000	6.000	581.000	6.100	621.000



ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO POINT  
TRANSECT NO. 12.000

PRE-STORM TRANSECT:  
ELEVATION STATION  
20.000 155.000  
6.400 317.000  
5.700 527.000

ELEVATION STATION  
13.900 191.000  
6.497 340.157  
6.000 581.000

ELEVATION STATION  
7.300 117.000  
10.700 214.000  
6.500 321.000  
6.100 621.000

ELEVATION STATION  
10.900 149.000  
9.600 243.000  
6.475 346.846  
6.400 674.000

ELEVATION STATION  
13.600 156.000  
7.000 281.000  
6.471 347.682

AFTER STORM TRANSECT:  
ELEVATION STATION  
8.788 165.000  
2.249 317.000  
5.700 527.000

ELEVATION STATION  
5.741 191.000  
5.907 340.157  
2.295 581.000  
6.000

ELEVATION STATION  
2.676 117.000  
2.289 214.000  
2.822 321.000  
6.100 621.000

ELEVATION STATION  
4.384 149.000  
3.787 243.000  
6.475 346.846  
6.400 674.000

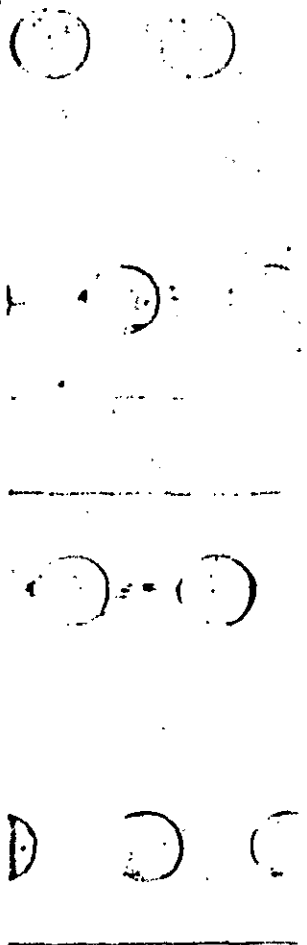
ELEVATION STATION  
5.665 156.000  
2.513 281.000  
6.471 347.682

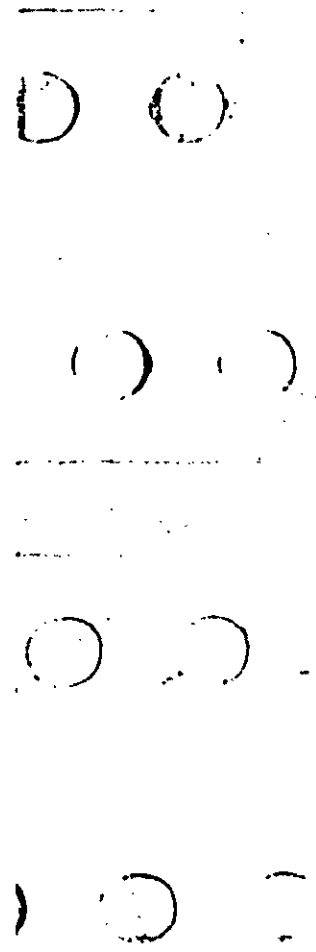


\*\*\* TRANSECT NUMBER 12.000 \*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	WAVE HEIGHT INPUT GENERATOR
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2	0000000000
3	0000000000
4	0000000000
5	0000000000
6	0000000000
7	0000000000
8	0000000000
9	0000000000
10	0000000000
11	0000000000
12	0000000000
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14	0000000000
15	0000000000
16	0000000000
17	0000000000
18	0000000000
19	0000000000
20	0000000000
21	0000000000
22	0000000000
23	0000000000
24	0000000000





LISTING OF INPUT DATA

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T1  ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 13
T2  BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

PBP  SLOPE FLAT  OFFSHORE  ONSHORE
ELEVATION  FACTOR  CL ANGLE  CL ANGLE
J1  -2.000  -99.000  6.000  32.000
    .000  .000  .000  .000
    .000  .000  .000  .000
    .000  .000  .000  .000

TRANSECT NO. OF  PBP  STILL  TIDE  SMALLEST
NO.  GR  POINTS  STATION  WATER  EL  ELEVATION  S-O 97
K1  13.000  26.000  -187.500  10.300  1.000  34.450  1.000
    44.000  26.000  -187.500  10.300  1.000  34.450  1.000
K2  26.750  .600  F-G/E  F-M  TRANS  END OF  10-YEAR
    .600  .800  .900  11.500  SPEED  EROSION  STILL EL
    .600  .800  .900  11.500  6.000  674.000  6.300

WHAFIS  TRACE  NGVD-  MSL  ELEVATION  STATION
OPTION  1.000  -500  .000  -920.000
1.000  1.000  .000  .000
1.000  1.000  .000  .000
1.000  1.000  .000  .000

ELEVATION  STATION  ELEVATION  STATION  ELEVATION  STATION  ELEVATION  STATION
GR  -30.000  -2030.000  -24.000  -1933.000  -19.000  -1220.000  -13.000  -1070.000  -12.000  -920.000
GR  -39.000  -835.000  -9.000  -1730.000  -3.000  -1375.000  -1.000  -1171.000  10.400  175.000
GR  .500  227.000  7.100  121.000  7.800  288.000  5.300  320.000  6.800  150.000
SR  3.000  466.000  6.900  309.000  6.000  592.000  4.900  670.000  4.600  713.000
GR  6.500  1000.000  7.100  121.000  7.800  288.000  5.300  320.000  6.800  150.000
CX  4.600  1000.000  6.900  309.000  6.000  592.000  4.900  670.000  4.600  713.000

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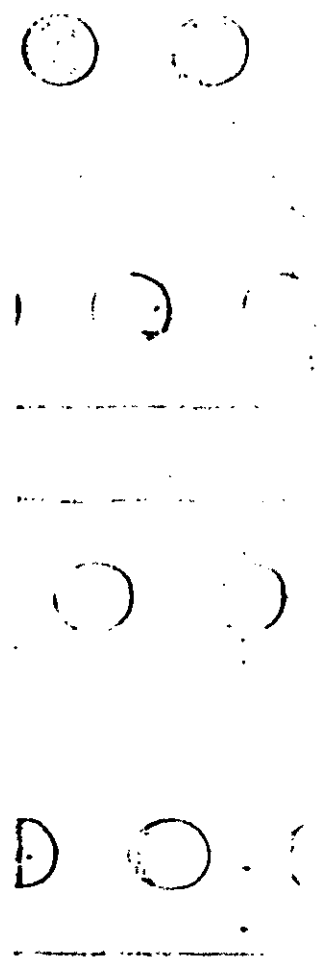
ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 13.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
0.000	0.000	0.500	11.000	7.100	121.000	9.800	140.000	13.500	171.000
10.400	195.000	8.000	227.000	7.100	270.000	7.900	299.000	6.900	320.000
6.800	360.000	6.701	394.939	6.692	398.162	6.682	401.805	6.673	405.019
6.653	411.859	6.634	418.683	6.615	425.491	6.595	432.282	6.576	439.058
6.557	445.817	6.538	452.561	6.519	459.288	6.500	466.000	6.564	472.829
6.900	509.000	6.000	592.000	4.900	670.000	4.600	713.000	4.600	1000.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	0.000	-0.551	11.000	2.581	121.000	3.862	140.000	5.618	171.000
4.147	195.000	3.008	227.000	2.581	270.000	2.960	288.000	2.486	320.000
2.438	360.000	2.392	394.939	4.406	398.162	6.682	401.805	6.673	405.019
6.653	411.859	6.634	418.683	6.615	425.491	6.595	432.282	6.576	439.058
6.557	445.817	6.538	452.561	6.519	459.288	6.500	466.000	6.564	472.829
6.900	509.000	6.000	592.000	4.900	670.000	4.600	713.000	4.600	1000.000



\*\*\*\*\* TRAVERSE NUMBER 13.000 \*\*\*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TIME	WAVE HEIGHT	TRAVERSE NO.
00.00	10.00	10.000
01.00	10.00	10.000
02.00	10.00	10.000
03.00	10.00	10.000
04.00	10.00	10.000
05.00	10.00	10.000
06.00	10.00	10.000
07.00	10.00	10.000
08.00	10.00	10.000
09.00	10.00	10.000
10.00	10.00	10.000
11.00	10.00	10.000
12.00	10.00	10.000
13.00	10.00	10.000
14.00	10.00	10.000
15.00	10.00	10.000
16.00	10.00	10.000
17.00	10.00	10.000
18.00	10.00	10.000
19.00	10.00	10.000
20.00	10.00	10.000
21.00	10.00	10.000
22.00	10.00	10.000
23.00	10.00	10.000
24.00	10.00	10.000

LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 14  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
J1	-2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
X1	14.000	24.000	-157.500	10.300	1.000	34.450	1.000	1.000	.000	.000

	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G/E	F-H	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
X2	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2190.000	-24.000	-1670.000	-18.000	-1150.000	-15.000	-1025.000	-12.000	-900.000
GR	-9.000	-765.000	-6.000	-630.000	-3.000	-315.000	-1.500	-157.500	.000	.000
GR	.400	3.000	6.800	98.000	11.800	120.000	14.800	143.000	8.600	166.000
GR	8.900	200.000	7.800	271.000	7.600	333.000	7.300	390.000	6.600	483.000
GR	6.300	542.000	5.400	621.000	5.400	744.000	5.400	1000.000		

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 14.000 \*\*\*\*\* DUNE EROSION ANALYSIS  
 STILL WATER ELEVATION= 10.100 NGVD PIVOT ELEVATION= -2.000 NSL  
 SLOPE FLATTENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 2083.479

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
30.000	2190.000	24.000	1470.000	18.000	1130.000	15.000	1030.000	14.173	1013.000
-9.952	-741.196	-6.482	-900.000	-5.039	-769.000	-3.893	-630.000	-2.417	-116.000
-1.300	-131.300	-1.788	166.000	3.435	200.000	2.413	271.000	2.818	333.000
6.235	143.000	3.293	428.946	3.130	434.896	0.913	436.014	0.913	441.000
6.876	390.000	6.537	455.653	6.754	462.558	6.702	469.415	6.911	476.229
6.858	448.714	6.806	489.757	6.300	542.000	5.400	621.000	6.651	744.000
5.400	1000.000	6.566						5.400	

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 14.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	.400	8.000	6.800	98.000	11.800	120.000	14.300	143.000
5.600	166.000	8.900	200.000	7.800	271.000	7.600	333.000	7.300	390.000
7.007	428.946	6.964	434.696	6.954	435.014	6.911	441.727	6.858	448.714
6.306	455.658	6.754	462.558	6.702	469.415	6.651	476.229	6.500	483.000
6.566	489.757	6.300	542.000	5.400	621.000	5.400	744.000	5.400	1000.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	-0.598	8.000	2.438	98.000	4.811	120.000	6.235	143.000
3.293	166.000	3.455	200.000	2.913	271.000	2.818	333.000	2.676	390.000
2.537	428.946	6.130	434.696	6.954	436.014	6.911	441.727	6.858	448.714
6.806	455.658	6.754	462.558	6.702	469.415	6.651	476.229	6.500	483.000
6.566	489.757	6.300	542.000	5.400	621.000	5.400	744.000	5.600	1000.000









IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 21.800	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 38.000	END ELEVATION .600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 75.000	END ELEVATION 1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 119.000	END ELEVATION 2.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 128.000	END ELEVATION 3.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 150.000	END ELEVATION 4.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 166.000	END ELEVATION 5.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 197.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 242.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 316.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 400.500	END ELEVATION 3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 405.000	END ELEVATION 6.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 408.800	END ELEVATION 8.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 413.200	END ELEVATION 8.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 476.000	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 507.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 574.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

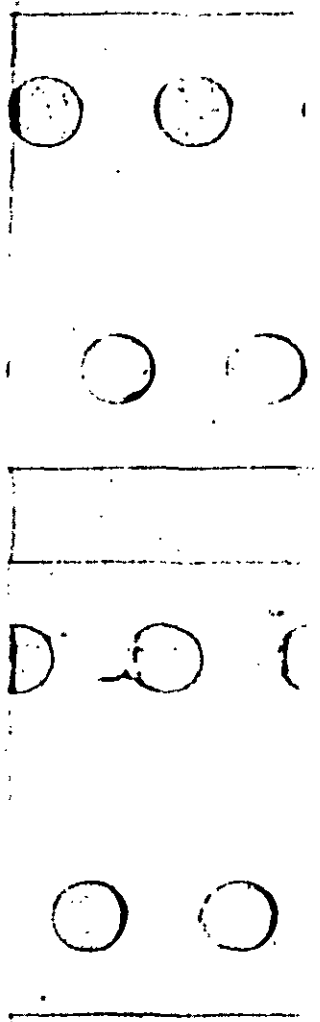
LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	21.80	15.92
IF	38.00	15.60
IF	75.00	14.89
IF	119.00	14.67
IF	126.00	13.90
IF	150.00	13.58
IF	166.00	12.81
IF	197.00	12.71
IF	242.00	12.41
IF	316.00	11.91
IF	400.50	11.31
IF	405.00	9.86
IF	408.80	8.45
AS	413.20	8.40
AS	476.00	7.20
IF	507.00	7.20
IF	674.00	7.23

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	408.80 AND	413.20
BETWEEN	413.20 AND	476.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
197.00	6.30	10.10
242.00	6.30	9.70
316.00	6.30	9.10



400.50	6.30	8.50
408.80	6.30	8.40
476.00	6.30	7.20

PARTS LOCATION OF V ZONES  
 STATION OF CUTTER 402.12  
 LOCATION OF ZONE WINDWARD

STATION OF CUTTER	ELEVATION	ZONE DESIGNATION	FHF	FINAL MARKED ZONES
.00	15.92	V12 EL=16	60	V12 EL=16
43.01	15.50	V12 EL=15	60	V12 EL=15
120.54	14.50	V12 EL=14	60	V12 EL=14
151.59	13.50	V12 EL=13	60	V12 EL=13
166.00	12.81	V12 EL=13	60	V12 EL=13
197.00	12.71	V11 EL=13	55	
228.76	12.50	V10 EL=12	50	
242.00	12.41	V 9 EL=12	45	V12 EL=12
316.00	11.91	V 8 EL=12	40	V12 EL=12
373.99	11.50	V 7 EL=11	35	V12 EL=11
400.50	11.31			V12 EL=11

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402.12	10.60	V 7 EL=11	35
403.02	10.50	A 2 EL=11	10
405.00	9.86	A 2 EL=10	10
405.98	9.50	A 2 EL=10	10
408.67	8.50	A 2 EL= 9	10
408.80	8.45	A 2 EL= 8	10
413.20	8.40		
SR 151B → 476.00	7.20	A 2 EL= 7	10
674.00	7.23		

VIZ FL=11

ZONE B  
A9 EL=9  
MATCH A9 EL=B  
A9 EL=8

ZONE TERMINATED AT END OF TRANSECT

OK





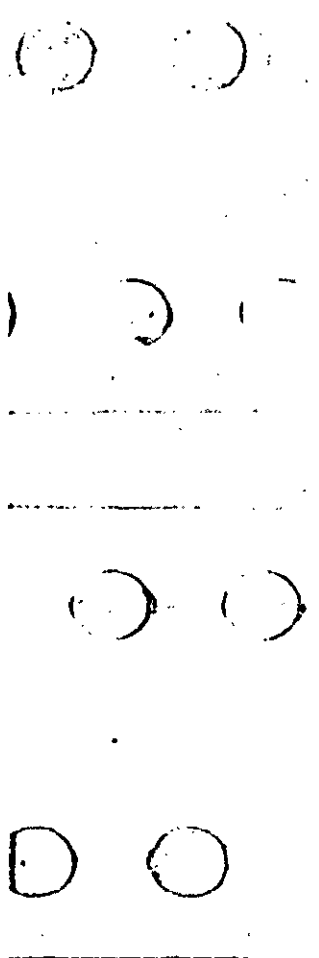
IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 26.200	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 63.000	END ELEVATION 1.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 124.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 125.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 202.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 222.000	END ELEVATION 7.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 243.000	END ELEVATION 5.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 273.000	END ELEVATION 3.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 336.000	END ELEVATION 3.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 361.600	END ELEVATION 3.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 367.400	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 370.300	END ELEVATION 9.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 376.000	END ELEVATION 8.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 384.600	END ELEVATION 8.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 416.000	END ELEVATION 8.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 488.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 543.000	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 588.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 674.000	END ELEVATION 10.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

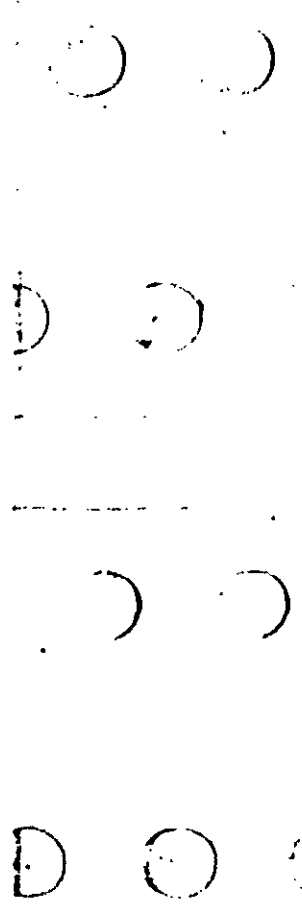


PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	26.20	8.03
IF	63.00	7.18
IF	103.00	6.32
IF	124.00	5.46
IF	125.00	5.38
IF	202.00	4.99
IF	222.00	2.57
IF	243.00	2.57
IF	273.00	2.57
IF	336.00	2.58
IF	361.60	2.58
IF	367.40	1.48
IF	370.30	.00
AS	376.00	.00
AS	384.60	.00
AS	416.00	.00
AS	439.00	.00
IF	543.00	.00
IF	588.00	.01
AS	674.00	-2.57

PART 3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	370.30 AND	376.00
BETWEEN	376.00 AND	384.60
BETWEEN	384.60 AND	416.00
BETWEEN	416.00 AND	488.00
BETWEEN	588.00 AND	674.00



PART 4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
243.00	6.30	10.10
273.00	6.30	9.90
336.00	6.30	9.30
361.60	6.30	9.10
370.30	6.30	9.00
488.00	6.30	7.60
543.00	6.30	7.00

PART 5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
218.48	WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FWF
.00	15.92	V12 EL=16	60
52.17	15.50	V12 EL=15	60
110.78	14.50	V12 EL=14	60
205.48	13.50	V12 EL=13	60
217.29	12.50	V12 EL=12	60
218.48	12.40	A 7 EL=12	35
222.00	12.10	A 7 EL=12	35

FINAL  
MAILED  
2011

V12 FL=16

V12 FL=14

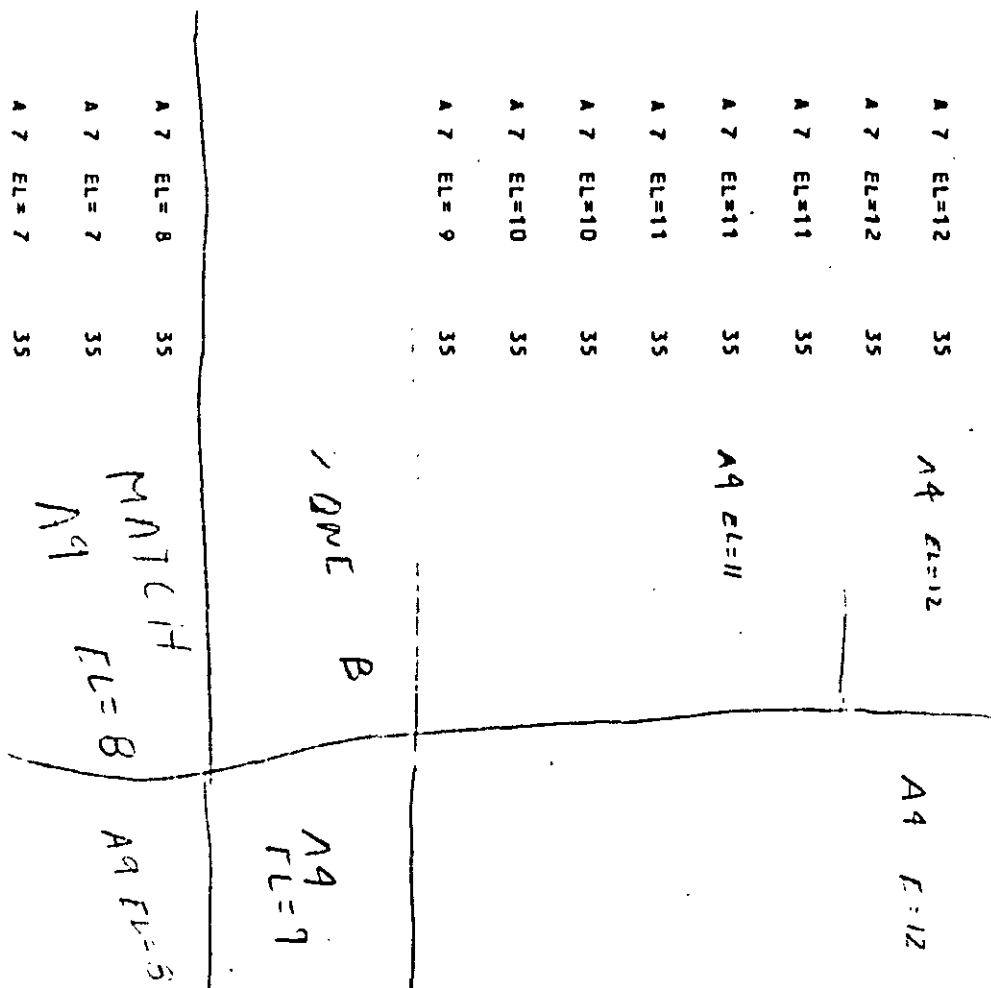
A4 FL=12

A7 FL=12

Off

243.00	12.00
273.00	11.80
320.88	11.50
336.00	11.40
361.60	11.00
364.98	10.50
367.40	10.14
369.10	9.50
370.30	9.05
376.00	8.90
384.60	8.80
416.00	8.50
488.00	7.50
506.46	7.50
543.00	7.30
588.00	7.01
674.00	10.30

5% 15/4 → 488.00





ZONE TERMINATED AT END OF TRANSECT

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IE	END STATION 3.000	END ELEVATION -0.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
DF	END STATION 28.900	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 101.000	END ELEVATION 2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 108.000	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 151.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 167.000	END ELEVATION 4.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 234.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 249.000	END ELEVATION 5.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 254.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 295.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 349.400	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 355.000	END ELEVATION 6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 357.700	END ELEVATION 8.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 363.100	END ELEVATION 8.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 413.000	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 527.000	END ELEVATION 7.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 639.000	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 6.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

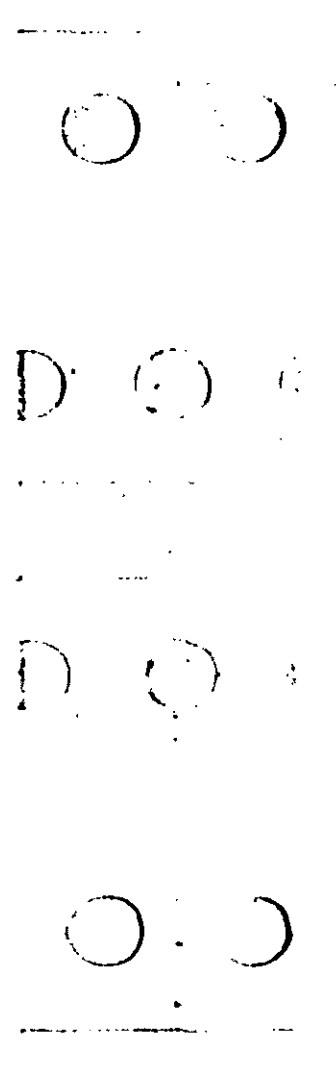
LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE .00	8.03	15.92
OF 28.90	8.03	15.92
IF 101.00	6.47	14.83
IF 108.00	5.93	14.45
IF 151.00	4.99	13.79
IF 167.00	4.52	13.47
IF 234.00	3.67	12.87
IF 249.00	3.67	12.77
IF 264.00	3.67	12.52
IF 295.00	3.67	12.17
IF 349.40	3.67	11.52
IF 355.00	1.33	9.43
IF 357.70	.00	8.45
AS 363.10	.00	8.30
AS 413.00	.00	7.20
AS 527.00	.00	7.10
IF 639.00	.01	7.05
IF 674.00	.01	7.01

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	357.70 AND	363.10
BETWEEN	363.10 AND	413.00
BETWEEN	413.00 AND	527.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
249.00	6.30	10.10
264.00	6.30	9.80



295.00	6.30	9.40
349.40	6.30	5.50
357.70	6.30	8.40
527.00	6.30	7.10
639.00	6.30	7.00

PARTS LOCATION OF V ZONES  
 STATION OF GUTTER LOCATION OF ZONE  
 350.99 WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES  
 STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

.00	15.92	V12 EL=16	60	
56.78	15.50	V12 EL=15	60	
107.08	14.50	V12 EL=14	60	
165.38	13.50	V12 EL=13	60	
234.00	12.87	V12 EL=13	60	
249.00	12.77	V11 EL=13	55	
264.00	12.52	V10 EL=13	50	
265.43	12.50	V 9 EL=12	45	
295.00	12.17	V 8 EL=12	40	
349.40	11.52			

FINAL  
 MATTER  
 REPORT

V12 EL=16

V12 EL=14

OH

349.44	11.50	V 7 EL=12	35
350.99	10.60	V 7 EL=11	35
352.13	10.50	A 2 EL=11	10
354.81	9.50	A 2 EL=10	10
355.00	9.43	A 2 EL=9	10
357.56	8.50	A 2 EL=9	10
357.70	8.45	A 2 EL=8	10
363.10	8.30		
413.00	7.20		
527.00	7.10		
639.00	7.05		
674.00	7.01		

ZONE TERMINATED AT END OF TRANSECT

MATCH  
A 9 EL=7

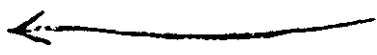
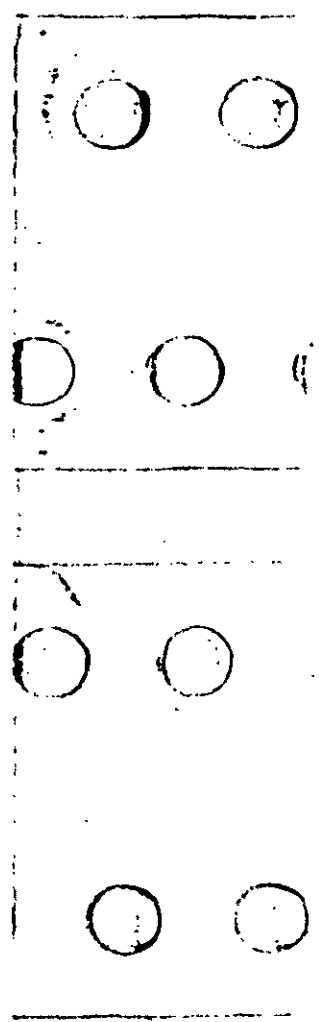
A 9 EL=7

ZONE

A 4  
EL=8

VIZ EL=12

VIZ EL=12



WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)  
 TRANSECT NO. 6,000

PART I INPUT

000  
 25,000  
 72,000  
 103,000  
 108,000  
 287,000  
 387,100  
 388,800  
 593,400  
 598,600  
 574,000

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SM 1560

IE	END STATION .000	END ELEVATION -8.000	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 25.600	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 56.000	END ELEVATION .900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 72.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 1.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 108.000	END ELEVATION 1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 282.000	END ELEVATION 1.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 583.000	END ELEVATION 1.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 584.100	END ELEVATION 1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 587.600	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 588.300	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 593.400	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 598.000	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 602.600	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 574.000	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONDMICAL AND STORM TIDES.



PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE .00	8.03	15.92
OF 25.60	8.03	15.92
IF 54.00	7.33	15.43
IF 72.00	5.85	14.40
IF 103.00	4.45	12.01
IF 108.00	3.98	10.03
IF 282.00	3.98	9.78
IF 583.00	3.98	9.78
IF 584.10	3.98	9.78
IF 587.60	2.34	8.64
IF 588.80	2.34	8.64
IF 593.40	2.34	8.64
IF 598.00	2.34	8.64
IF 602.60	2.34	8.64
IF 674.00	2.34	8.64

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = 2.34 WHICH EXCEEDS 0.5.

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
103.00	6.30	7.50
108.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
586.19	WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES  
 STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF		FINAL MARKED ZONES
.00	15.92				
		V12 EL=16	60	V12 EL=16	
50.09	15.50				V12 EL=16
		V12 EL=15	60	V12 EL=15	
70.18	14.50				
		V10 EL=14	50		
72.00	14.40				
		V 8 EL=14	40	V12 EL=14	
83.64	13.50				V12 FL=14
		V 8 EL=13	40		
96.65	12.50				
		V 6 EL=12	30		
103.00	12.01				
		V 3 EL=12	15	V12 EL=12	
104.30	11.50				V12 FL=12
		V 3 EL=11	15		
106.82	10.50				
		V 3 EL=10	15	V12 EL=10	
50 1968 → 108.00	10.03				V12 FL=10
		V 2 EL=10	10		
584.97	9.50				
		V 2 EL= 9	10		
586.19	9.10				
		A 5 EL= 9	25	A4 FL=9	A4 FL=9
674.00	8.64				

1170'  
 ZONE TERMINATED AT END OF TRANSECT

MATCH  
 A- FL=7

A- FL=7

OK



IS	END STATION .000	END ELEVATION -0.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 12.000	END ELEVATION -0.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 15.300	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 57.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 66.000	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 76.000	END ELEVATION 6.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 96.000	END ELEVATION 3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 108.000	END ELEVATION 3.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 130.000	END ELEVATION 3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 149.000	END ELEVATION 5.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 167.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 215.000	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 439.600	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 446.900	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 447.000	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 454.300	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 461.700	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 469.100	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 476.500	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 483.900	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 491.300	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 498.700	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 506.100	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 513.500	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 520.900	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

AS	END STATION 528.300	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 535.700	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 543.100	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 550.500	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS  
 LOCATION WAVE HEIGHT WAVE ELEVATION

IE	-00	8.03	15.92
OF	12.00	8.03	15.92
OF	15.30	8.03	15.92
IF	57.00	6.32	14.72
IF	66.00	4.91	13.74
IF	76.00	3.12	12.48
IF	96.00	3.12	11.48
IF	108.00	2.89	9.82
IF	130.00	2.89	9.32
IF	149.00	1.64	8.45
IF	167.00	1.64	8.45
IF	215.00	1.64	8.45
IF	439.60	1.67	8.47
IF	446.90	.00	7.30
AS	4.7.00	.00	7.30
AS	454.30	.00	7.30
AS	461.70	.00	7.30
AS	469.10	.00	7.30
AS	476.50	.00	7.30
AS	483.90	.00	7.30
AS	491.30	.00	7.30
AS	498.70	.00	7.30
AS	506.10	.00	7.30
AS	513.50	.00	7.30
AS	520.90	.00	7.30
AS	528.30	.00	7.30
AS	535.70	.00	7.30
AS	543.10	.00	7.30

AS 550.50 .00 7.30

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	446.90 AND	447.00
BETWEEN	447.00 AND	454.30
BETWEEN	454.30 AND	461.70
BETWEEN	461.70 AND	469.10
BETWEEN	469.10 AND	476.50
BETWEEN	476.50 AND	483.90
BETWEEN	483.90 AND	491.30
BETWEEN	491.30 AND	499.70
BETWEEN	499.70 AND	506.10
BETWEEN	506.10 AND	513.50
BETWEEN	513.50 AND	520.90
BETWEEN	520.90 AND	528.30
BETWEEN	528.30 AND	535.70
BETWEEN	535.70 AND	543.10
BETWEEN	543.10 AND	550.50

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
96.00	6.30	8.30
108.00	6.30	7.30

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
102.15	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

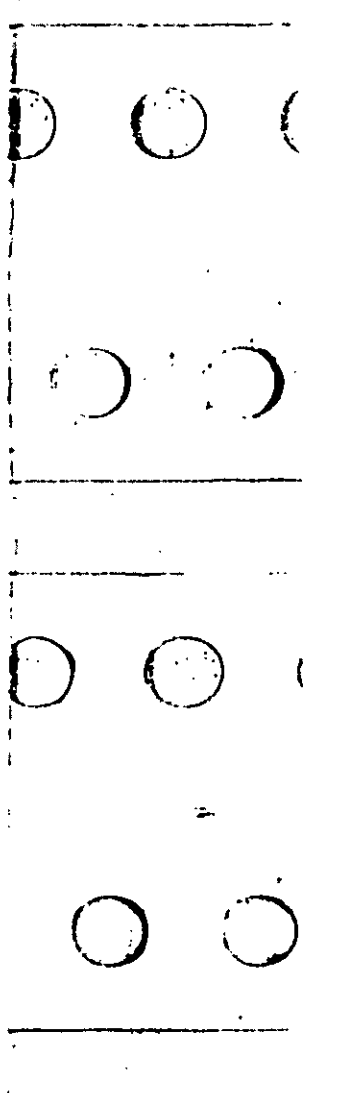
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		



ADDITIONAL

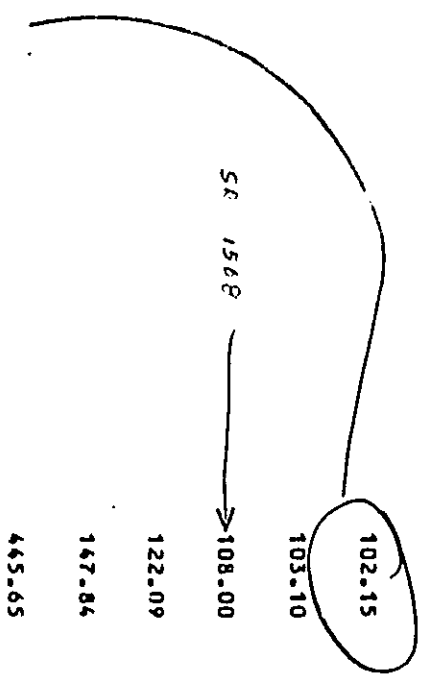
INFORMATION

2



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 NO. 1  
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 4th 120  
 4th 120

30.01	15.50	V12 EL=16	60	V12 EL=16	FINAL MATCHED ZONES
59.04	14.50	V12 EL=15	60	V12 EL=15	
67.91	13.50	V12 EL=14	60	V12 EL=14	
75.87	12.50	V12 EL=13	60	V12 EL=14	
76.00	12.48	V11 EL=12	55	V12 EL=14	V12 EL=14
95.68	11.50	V 9 EL=12	45	V12 EL=12	V12 EL=12
96.00	11.48	V 7 EL=11	35	V12 EL=12	V12 EL=12
102.15	9.90	V 5 EL=11	25		
103.10	10.50	A 4 EL=11	20		A4 EL=10
108.00	9.82	A 4 EL=10	20	A4 EL=11	
122.09	9.50	A 4 EL=10	20	A4 EL=11	
147.84	8.50	A 4 EL=9	20	A4 EL=11	
445.65	7.50	A 4 EL=8	20	A4 EL=11	
446.90	7.30	A 4 EL=7	20	A4 EL=11	
447.00	7.30				
454.30	7.30				



MATCH  
 AB EL=7

AB FL=7

A4 EL=8

A4 EL=10

V12 FL=12

V12 EL=14

V12 EL=16

461.70	7.30
469.10	7.30
476.50	7.30
483.90	7.30
491.30	7.30
498.70	7.30
506.10	7.30
513.50	7.30
520.90	7.30
528.30	7.30
535.70	7.30
543.10	7.30
550.50	7.30

ZONE TERMINATED AT END OF TRANSECT



IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 12.000	END ELEVATION -.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 20.600	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 60.000	END ELEVATION 1.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 76.000	END ELEVATION 2.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 86.000	END ELEVATION 5.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 100.000	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 115.000	END ELEVATION 5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 131.000	END ELEVATION 3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 145.000	END ELEVATION 4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 154.000	END ELEVATION 3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 170.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 199.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 222.000	END ELEVATION 4.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 247.000	END ELEVATION 3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 275.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 361.800	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 368.500	END ELEVATION 7.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 369.500	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 376.200	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 383.800	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 391.500	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 399.100	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 406.800	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 414.400	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

AS	END STATION 422.100	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 429.700	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 437.400	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 445.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 452.700	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 460.300	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 468.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 475.600	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	12.00	8.03
OF	20.60	8.03
OF	60.00	6.94
IF	76.00	5.77
IF	86.00	4.13
IF	100.00	3.43
IF	115.00	3.43
IF	131.00	3.43
IF	145.00	2.73
IF	154.00	2.73
IF	170.00	2.73
IF	199.00	2.73
IF	222.00	1.95
IF	247.00	1.95
IF	275.00	1.95
IF	361.80	1.95
IF	368.50	.00
AS	369.50	-.47
AS	376.20	-.47
AS	383.80	-.47
AS	391.50	-.47
AS	399.10	-.47
AS	406.80	-.47
AS	414.40	-.47
AS	422.10	-.47
AS	429.70	-.47
AS	437.40	-.67

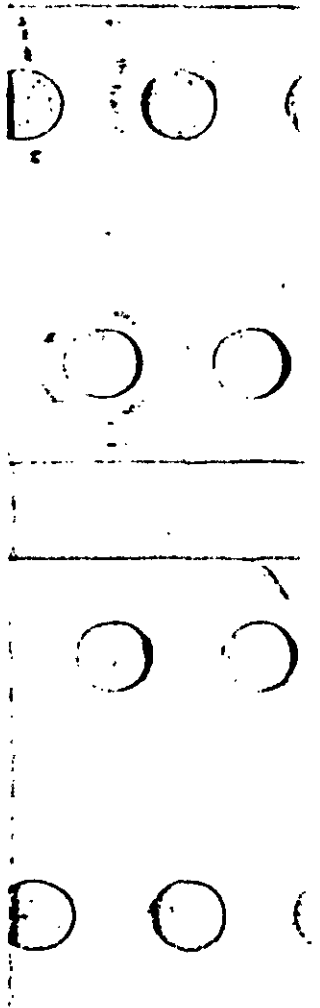
AS	445.00	-47	7.60
AS	452.70	-47	7.60
AS	460.30	-47	7.60
AS	468.00	-47	7.60
AS	475.60	-47	7.60

PARTS LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	368.50 AND	369.50
BETWEEN	369.50 AND	376.20
BETWEEN	376.20 AND	383.80
BETWEEN	383.80 AND	391.50
BETWEEN	391.50 AND	399.10
BETWEEN	399.10 AND	406.80
BETWEEN	406.80 AND	414.40
BETWEEN	414.40 AND	422.10
BETWEEN	422.10 AND	429.70
BETWEEN	429.70 AND	437.40
BETWEEN	437.40 AND	445.00
BETWEEN	445.00 AND	452.70
BETWEEN	452.70 AND	460.30
BETWEEN	460.30 AND	468.00
BETWEEN	468.00 AND	475.60

PART 4. LOCATION OF SURGE CHANGES

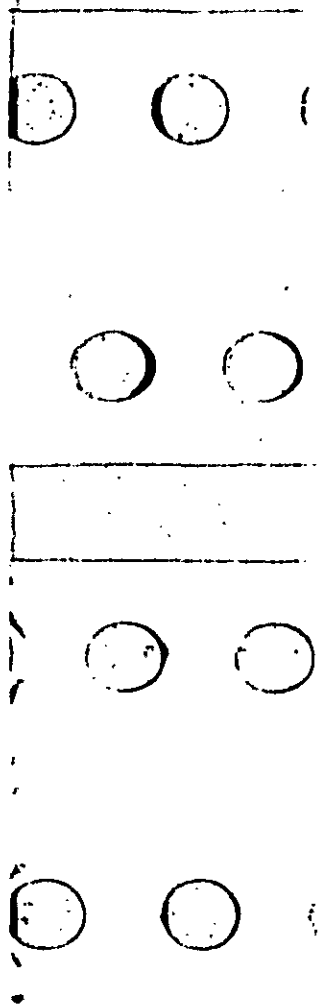
STATION	10-YEAR SURGE	100-YEAR SURGE
115.00	6.30	9.60
131.00	6.30	8.80
145.00	6.30	8.20
154.00	6.30	7.80
170.00	6.30	7.00



PARTS LOCATION OF V ZONES  
 STATION OF GUTTER 139.62  
 LOCATION OF ZONE WINDWARD

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF	FINAL FINISHED CURBS
.00	15.92	V12 EL=16	60	V12 FL=16
42.44	15.50	V12 EL=15	60	V12 FL=15
72.88	14.50	V12 EL=14	60	V12 FL=14
83.33	13.50	V12 EL=13	60	V12 FL=14
100.00	12.70	V11 EL=13	55	V12 FL=14
108.67	12.50	V10 EL=12	50	V12 FL=12
115.00	12.35	V 8 EL=12	40	V12 FL=12
131.00	11.60	V 7 EL=12	35	V12 FL=12
132.20	11.50	V 7 EL=11	35	V12 FL=12
139.62	10.60	A 5 EL=11	25	V12 FL=12
143.95	10.50	A 5 EL=10	25	A 9 FL=11
145.00	10.41	A 5 EL=10	25	A 9 FL=11
154.00	9.91	A 5 EL=10	25	A 9 FL=11

OK



SR 1568

→ 170.00

9.31

166.96

9.50

A 5 EL=10 25

A 4 FL=11

A 4 FL=10

216.31

8.50

A 5 EL= 9 25

A 4 FL= 9

A 4 FL= 8

A 5 EL= 8 25

A 5 EL= 7 25

366.05

7.50

368.50

7.00

369.50

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376.20

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383.80

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391.50

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399.10

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406.80

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414.40

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422.10

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429.70

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437.40

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445.00

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452.70

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460.30

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468.00

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ZONE  
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475.60

7.60

ZONE TERMINATED AT END OF TRANSECT

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IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 12.000	END ELEVATION -.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 22.100	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 77.000	END ELEVATION 2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 95.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 5.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 108.000	END ELEVATION 4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 142.000	END ELEVATION 5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 154.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 182.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 209.000	END ELEVATION 3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 233.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 251.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 310.000	END ELEVATION 4.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 310.100	END ELEVATION 4.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 319.800	END ELEVATION 10.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 323.800	END ELEVATION 10.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 325.200	END ELEVATION 10.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 334.500	END ELEVATION 9.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 343.400	END ELEVATION 9.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 352.000	END ELEVATION 9.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 360.300	END ELEVATION 8.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 368.300	END ELEVATION 8.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 376.100	END ELEVATION 8.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 383.500	END ELEVATION 7.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000



AS	END STATION 390.800	END ELEVATION 7.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 397.700	END ELEVATION 7.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 404.500	END ELEVATION 6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 6.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 411.000	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 6.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 418.100	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 6.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 471.000	END ELEVATION 8.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 674.000	END ELEVATION 8.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	12.00	8.03
OF	22.10	8.03
OF	77.00	6.47
IF	95.00	4.76
IF	103.00	3.82
IF	108.00	3.82
IF	142.00	3.82
IF	154.00	2.65
IF	182.00	2.65
IF	209.00	2.65
IF	233.00	2.66
IF	251.00	2.66
IF	310.00	2.66
IF	310.10	2.66
IF	319.60	.00
AS	323.80	.00
AS	325.20	.00
AS	334.50	.00
AS	343.40	.00
AS	352.00	.00
AS	360.30	.00
AS	368.30	.00
AS	376.10	.00
AS	383.50	.00
AS	390.80	.00
IF	397.70	.00
IF	404.50	.00

IF	411.00	.00	6.85
IF	418.10	.00	6.75
AS	471.00	-1.40	8.50
AS	674.00	-1.40	8.50

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	319.60 AND	323.80
BETWEEN	323.80 AND	325.20
BETWEEN	325.20 AND	334.50
BETWEEN	334.50 AND	343.40
BETWEEN	343.40 AND	352.00
BETWEEN	352.00 AND	360.30
BETWEEN	360.30 AND	368.30
BETWEEN	368.30 AND	376.10
BETWEEN	376.10 AND	383.50
BETWEEN	383.50 AND	390.80
BETWEEN	418.10 AND	471.00
BETWEEN	471.00 AND	674.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
397.70	6.30	7.10
404.50	6.30	6.90
411.00	6.30	6.80
418.10	6.30	6.70

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
150.43	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

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STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

.00	15.92				
43.41	15.50	V12	EL=16	60	V12 EL=16
81.97	14.50	V12	EL=15	60	V12 EL=15
96.59	13.50	V12	EL=14	60	
148.97	12.50	V12	EL=13	60	V12 EL=14
150.43	12.60	V12	EL=12	60	
ROAD ON QUAD → 251		A 7	EL=12	35	A 7 EL=12
313.49	11.50	A 7	EL=11	35	
318.58	10.50	A 7	EL=10	35	A 4 EL=12
319.60	10.30				
323.80	10.30				
325.20	10.20				ZONE B
334.50	9.80				
343.40	9.40				
352.00	9.10				A 4 EL=10
360.30	8.70				<del>⊗</del>
368.30	8.40				
376.10	8.00				
383.50	7.70				

FINAL  
MAPPED  
ZONES

V12 FL=16

V12 FL=14

A 4  
EL=12

A 4  
EL=10

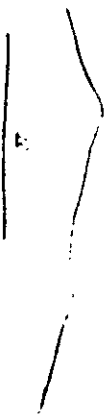
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390.80	7.40	A 7	EL= 7	35
-391.33	7.50	A 7	EL= 8	35
396.64	8.50	A 7	EL= 9	35
397.70	8.70	A 7	EL= 9	35
398.50	8.50	A 7	EL= 8	35
402.50	7.50	A 7	EL= 7	35
404.50	7.00	A 7	EL= 7	35
411.00	6.85	A 7	EL= 7	35
418.10	6.75			
NC 210 → 471.00	8.50			
674.00	8.50			

ZONE TERMINATED AT END OF TRANSECT

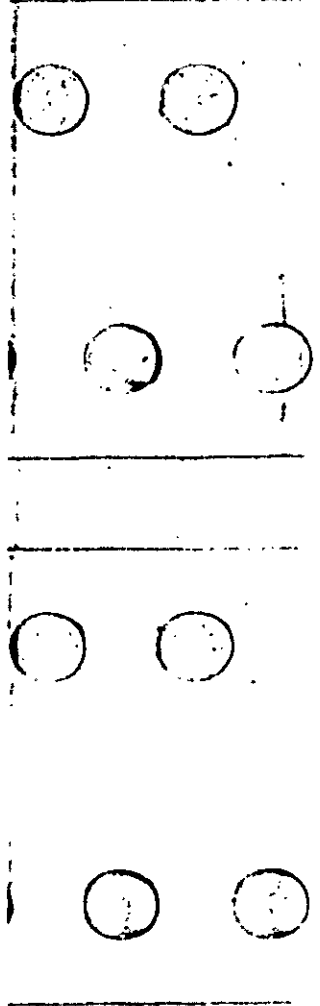


MITCH  
ZONE B

A 7  
A 8  
A 9

A 7 EL= 9

A 4  
EL= 9





IE	END STATION .000	END ELEVATION -8.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 10.000	END ELEVATION -3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 15.400	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 60.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 86.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 105.000	END ELEVATION 5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 110.000	END ELEVATION 6.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 125.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 139.000	END ELEVATION 4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 151.000	END ELEVATION 9.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 167.000	END ELEVATION 8.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 178.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

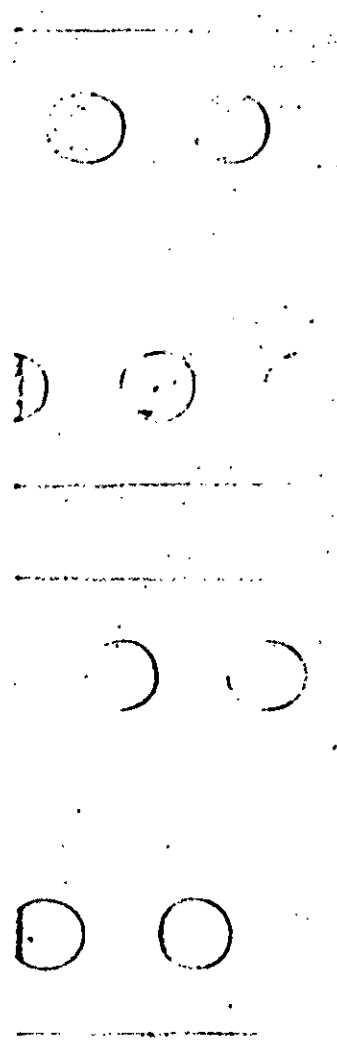
IF	END STATION 204.000	END ELEVATION 2.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 209.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 307.000	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 327.000	END ELEVATION 1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 338.000	END ELEVATION 1.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 351.000	END ELEVATION 2.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 373.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 494.500	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 498.400	END ELEVATION 5.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 501.500	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 505.500	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 512.500	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 519.600	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000



IF	END STATION 526.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 533.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 540.800	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 547.800	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 554.900	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 561.900	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 569.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 576.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 583.100	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 590.200	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 597.200	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 504.300	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE: SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	10.00	8.03
OF	15.40	8.03
OF	60.00	6.32
IF	86.00	4.99
IF	105.00	4.06
IF	110.00	3.20
IF	125.00	3.20
IF	139.00	3.20
IF	151.00	.94
IF	167.00	.94
IF	173.00	.94
IF	204.00	.99
IF	209.00	1.00
IF	307.00	1.19
IF	327.00	1.20
IF	333.00	1.21
IF	351.00	1.21
IF	373.00	1.22
IF	494.50	1.25
IF	493.40	1.25
IF	501.50	.08
IF	505.50	.08
IF	512.50	.08
IF	519.60	.08
IF	526.70	.08
IF	533.70	.08
IF	540.80	.08

IF	547.80	.08	7.05
IF	554.90	.08	7.05
IF	561.90	.08	7.05
IF	569.00	.08	7.05
IF	576.00	.08	7.05
IF	583.10	.08	7.05
IF	590.20	.08	7.05
IF	597.20	.08	7.05
IF	604.30	.08	7.05

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

PART4 LOCATION OF SURGE CHANGES

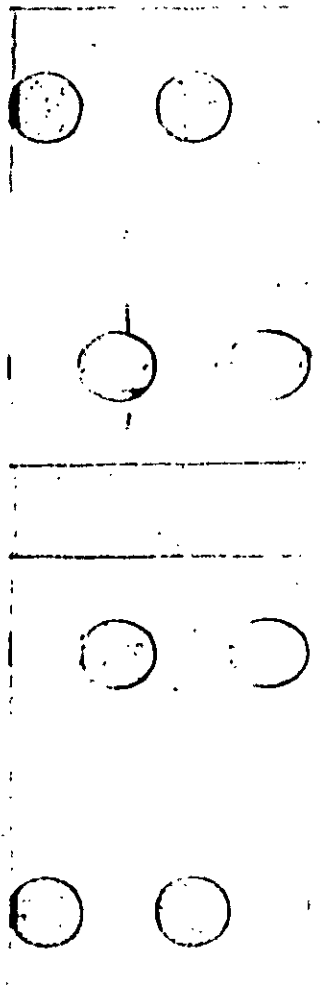
STATION	10-YEAR SURGE	100-YEAR SURGE
167.00	6.30	10.10
178.00	6.30	9.90
204.00	5.30	9.50
208.00	6.30	9.40
307.00	6.30	7.90
327.00	6.30	7.60
338.00	6.30	7.40
351.00	6.30	7.30
373.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
140.05	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
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327.00	8.59	A 5 EL=9	25	A4 EL=9
307.00	9.48	A 5 EL=9	25	A4 EL=9
304.73	9.50	A 5 EL=10	25	A4 EL=10
204.00	10.39	A 5 EL=10	25	A4 EL=10
193.41	10.50	A 5 EL=11	25	A4 EL=11
178.00	10.66	A 5 EL=11	25	A4 EL=11
167.00	10.86	A 5 EL=11	25	A4 EL=11
151.00	10.96	A 5 EL=11	25	A4 EL=12
146.87	11.50	A 5 EL=12	25	A4 EL=12
140.05	12.40	A 5 EL=12	25	A4 EL=12
139.29	12.50	V12 EL=12	60	V12 EL=13
96.54	13.50	V12 EL=13	60	V12 EL=13
66.24	14.50	V12 EL=14	60	V12 EL=14
31.14	15.50	V12 EL=15	60	V12 EL=15
.00	15.92	V12 EL=16	60	V12 EL=16

FINANCIAL ZONES

V12 EL=16

V12 EL=14

A4 EL=12

A4 EL=10

A4 EL=9

Off

from our Office → 208.00

NC 210 → 373.00  
 499.82  
 604.30

8.50  
 8.35  
 8.20  
 8.01  
 7.50  
 7.05

A 5 EL= 9 25  
 A 5 EL= 8 25  
 A 5 EL= 8 25  
 A 5 EL= 8 25  
 A 5 EL= 8 25  
 A 5 EL= 7 25

A4 EL= 9

A4 FL= B

MATCH  
 ZONE B

A4 FL= 9

A4 FL= B

A9 FL= 7

ZONE TERMINATED AT END OF TRANSECT

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IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 1.000	END ELEVATION -.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 19.900	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 81.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 104.000	END ELEVATION 4.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 108.000	END ELEVATION 6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 126.000	END ELEVATION 8.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 136.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 147.000	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 155.000	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 223.000	END ELEVATION 3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 395.000	END ELEVATION 2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000



IF	END STATION 453.000	END ELEVATION 2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 486.700	END ELEVATION 2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 489.600	END ELEVATION 3.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 492.900	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 495.800	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 502.000	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 508.300	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 514.500	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 520.700	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 526.900	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 533.200	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 539.400	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 545.600	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 551.800	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 558.000	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 564.300	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 570.500	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 576.700	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 582.900	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 589.100	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 595.400	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 601.600	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	8.03	15.92
OF	8.03	15.92
OF	19.90	15.92
IF	81.00	14.72
IF	104.00	13.58
IF	108.00	12.59
IF	126.00	11.17
IF	136.00	11.12
IF	147.00	11.03
IF	155.00	10.93
IF	223.00	10.56
IF	395.00	9.41
IF	453.00	8.27
IF	486.70	7.98
IF	489.60	7.98
IF	492.90	7.60
IF	495.80	7.60
IF	502.00	7.60
IF	508.30	7.60
IF	514.50	7.60
IF	520.70	7.60
IF	526.90	7.60
IF	533.20	7.60
IF	539.40	7.60
IF	545.60	7.60
IF	551.80	7.60
IF	558.00	7.60
IF	564.30	7.60

IF	570.50	.86	7.60
IF	576.70	.86	7.60
IF	582.90	.86	7.60
IF	589.10	.86	7.60
IF	595.40	.86	7.60
IF	601.60	.86	7.60

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .86 WHICH EXCEEDS 0.5.

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
136.00	6.30	10.20
147.00	6.30	10.10
155.00	6.30	10.00
223.00	6.30	9.30
395.00	6.30	7.60
453.00	6.30	7.00

PART5 LOCATION OF V ZONES

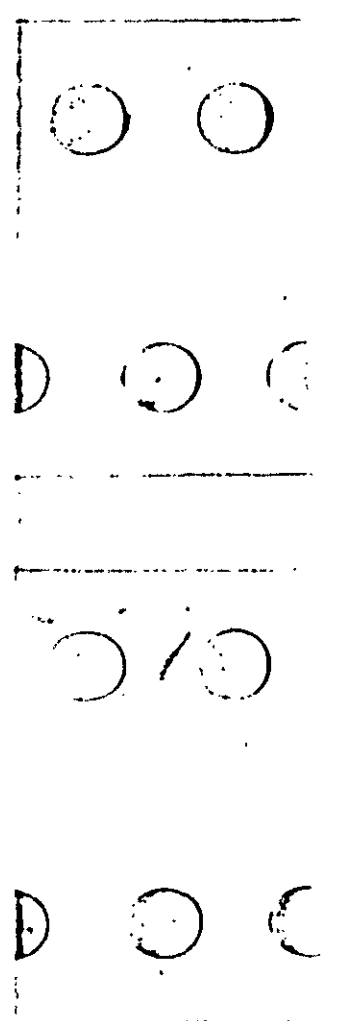
STATION OF GUTTER	LOCATION OF ZONE
110.45	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
41.46	15.50		
		V12 EL=15	60
85.47	14.50		

FINAL  
MAAPPED  
ZONES

V12 EL=16  
V12 EL=15



601.60	NC 210	601.60	7.60	A 6 EL= 8	30
441.43	→ 453.00	441.43	8.50	A 6 EL= 8	30
395.00		395.00	9.41	A 6 EL= 9	30
381.37		381.37	9.50	A 6 EL=10	30
231.56		231.56	10.50	A 6 EL=11	30
223.00		223.00	10.56	A 6 EL=11	30
155.00	ROAD ON	155.00	10.93	A 6 EL=11	30
147.00		147.00	11.03	A 6 EL=11	30
136.00		136.00	11.12	A 6 EL=11	30
126.00		126.00	11.17	A 6 EL=11	30
121.86		121.86	11.50	A 6 EL=12	30
110.45		110.45	12.40	A 6 EL=12	60
109.18		109.18	12.50	V12 EL=12	60
104.31		104.31	13.50	V12 EL=13	60

V12 EL=14

A4 EL=12

A4 EL=11

A4 EL=10

A4 EL=9

TRANSITION ZONE B

NOT  
TRANSITION  
LS  
170

ZONE TERMINATED AT END OF TRANSECT

V12  
FL=14

A4  
FL=12

A4 FL=10

A4 FL=9

A4 FL=8



	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	9.000	-.600	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	24.300	.000	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	73.000	2.100	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.300	AVERAGE A-ZONES .000
IF	92.000	4.400	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	102.000	6.500	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	115.000	9.500	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	141.000	9.900	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	154.000	7.600	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	179.000	4.700	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	199.000	3.500	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	216.000	3.300	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

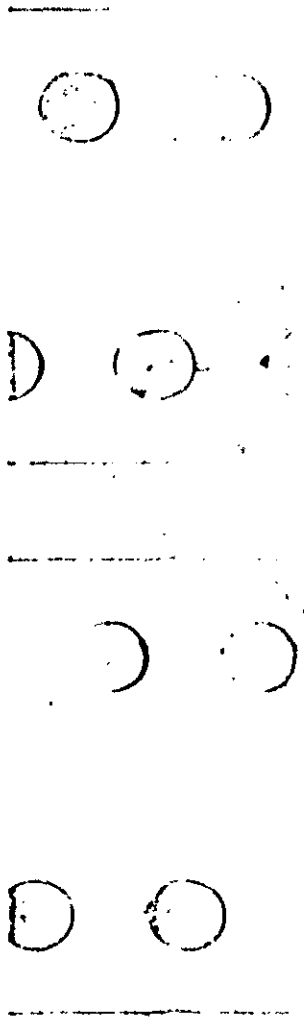
IF	END STATION 257.200	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 263.000	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 264.600	END ELEVATION 7.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 270.400	END ELEVATION 7.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 462.000	END ELEVATION 5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 504.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.





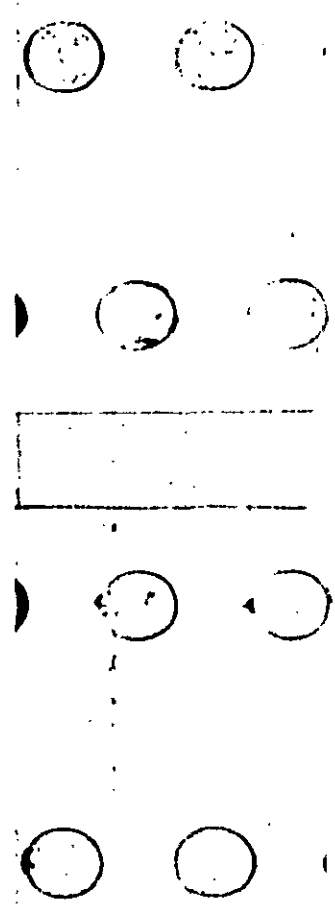
PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	9.00	8.03
DF	24.30	8.03
IF	73.00	6.40
IF	92.00	4.60
IF	102.00	2.96
IF	115.00	.62
IF	141.00	-.31
IF	154.00	-.31
IF	179.00	-.35
IF	199.00	-.38
IF	216.00	-.42
IF	257.20	-.49
IF	263.00	-.50
IF	266.60	-.00
AS	270.40	.00
IF	462.00	.07
IF	504.00	.09
IF	674.00	.18

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE  
 BETWEEN 266.60 AND 270.40

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
154.00	6.30	10.10
179.00	6.30	9.50
199.00	6.30	9.00



216.00	6.30	5.70
257.20	6.30	7.80
263.00	6.30	7.70
266.60	6.30	7.50
270.40	6.30	7.40
462.00	6.30	7.10
504.00	6.30	7.00

PARTS LOCATION OF V ZONES  
 STATION OF GUTTER 101.78  
 LOCATION OF ZONE WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES  
 STATION OF GUTTER ELEVATION: ZONE DESIGNATION FAF

.00	15.92	V12 EL=16	60	V12 FL=16	
42.30	15.50	V12 EL=15	60	V12 FL=15	
77.19	14.50	V12 EL=14	60	V12 FL=14	
92.19	13.50	V12 EL=13	60	V12 FL=13	
100.91	12.50	V12 EL=12	60	V12 FL=12	
101.78	12.40	A 3 EL=12	15		
108.96	11.50	A 3 EL=11	15	A 4 FL=12	
141.00	10.52	A 3 EL=11	15	A 4 FL=12	
143.42	10.50	A 3 EL=11	15		

FINAL  
 ADJUSTED  
 ZONES

V12  
 EL=16

V12 FL=14

A 4 FL=12

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64

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DOES  
NOT  
SATISFY  
LS Get back  
120'

NC 210 →

154.00	10.42	A 3 EL=10	15
179.00	10.04	A 3 EL=10	15
199.00	9.52	A 3 EL=10	15
199.83	9.50	A 3 EL=10	15
216.00	9.14	A 3 EL= 9	15
257.20	8.60	A 3 EL= 9	15
258.32	8.50	A 3 EL= 9	15
263.00	8.10	A 3 EL= 8	15
264.60	7.60	A 3 EL= 8	15
270.40	7.40	A 3 EL= 8	15
462.00	7.30	A 3 EL= 7	15
504.00	7.12	A 3 EL= 7	15
674.00	7.13	A 3 EL= 7	15

ZONE TERMINATED AT END OF TRANSECT

A9 EL=11

A9 EL=10

A9  
EL=10

A9 EL=9

~~A9 EL=8~~

MATCH  
ZONE B

A9 EL=8



IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 12.000	END ELEVATION -.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 34.100	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 112.000	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 141.000	END ELEVATION 4.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 147.000	END ELEVATION 4.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 165.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 177.000	END ELEVATION 6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.200	.000	.000	.000	.300	.000	AVERAGE A-ZONES .000
IF	END STATION 195.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 212.000	END ELEVATION 3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 264.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 306.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 351.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 383.000	END ELEVATION 3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 407.100	END ELEVATION 3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 410.900	END ELEVATION 5.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 415.200	END ELEVATION 8.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 418.900	END ELEVATION 8.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 426.900	END ELEVATION 8.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 434.800	END ELEVATION 7.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 442.600	END ELEVATION 7.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 450.300	END ELEVATION 7.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 458.000	END ELEVATION 7.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 465.700	END ELEVATION 7.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 571.000	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
AS	674.000	7.200	.000	.000	.000	.000	.000	.000	.000	.000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	12.00	8.03
OF	34.10	8.03
IF	112.00	6.16
IF	141.00	4.45
IF	147.00	4.21
IF	165.00	2.89
IF	177.00	2.89
IF	195.00	2.89
IF	212.00	2.89
IF	264.00	2.89
IF	306.00	2.89
IF	351.00	2.89
IF	383.00	2.89
IF	407.10	2.89
IF	410.90	2.18
IF	415.20	.00
AS	418.90	.00
AS	426.90	.00
AS	434.80	.00
AS	442.60	.00
AS	450.30	.00
AS	458.00	.00
AS	465.70	.00
AS	571.00	.00
AS	674.00	.00

PART 3 LOCATION OF AREAS ABOVE 100-YEAR SURGE



BETWEEN	415.20 AND	418.90
BETWEEN	418.90 AND	426.90
BETWEEN	426.90 AND	434.80
BETWEEN	434.80 AND	442.60
BETWEEN	442.60 AND	450.30
BETWEEN	450.30 AND	458.00
BETWEEN	458.00 AND	465.70
BETWEEN	465.70 AND	571.00
BETWEEN	571.00 AND	674.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
177.00	6.30	10.20
195.00	6.30	10.00
212.00	6.30	9.90
264.00	6.30	9.50
306.00	6.30	9.10
351.00	6.30	8.70
383.00	6.30	8.50
407.10	6.30	8.30
415.20	6.30	8.20

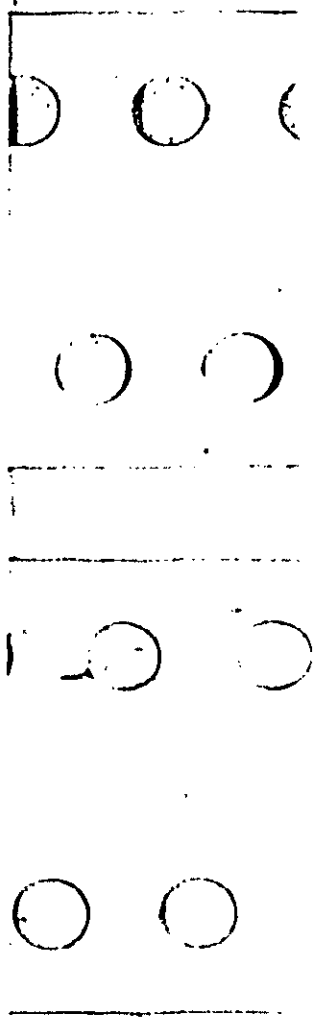
PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
163.45	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
59.29	15.50	V12 EL=16	60

V12 EL=16



ROAD ON QUAD → 212.00

114.74	14.50	V12 EL=15	60	V12 EL=15	FINAL MAY 1966 V12 FL=16
138.88	13.50	V12 EL=14	60	V12 EL=14	
161.51	12.50	V12 EL=13	60	V12 EL=14	V12 EL=14
163.45	12.40	V12 EL=12	60		
165.00	12.32	A 8 EL=12	40		
177.00	12.27	A 6 EL=12	40		
195.00	12.12	A 8 EL=12	40	A 4 EL=12	
264.00	11.72	A 8 EL=12	40	A 4 FL=12	
287.39	11.50	A 8 EL=12	40		
306.00	11.32	A 8 EL=11	40		
351.00	10.92	A 8 EL=11	40	A 4 EL=11	
383.00	10.62	A 8 EL=11	40	A 4 FL=11	
397.82	10.50	A 8 EL=10	40		
407.10	10.42	A 8 EL=10	40	A 4 FL=10	

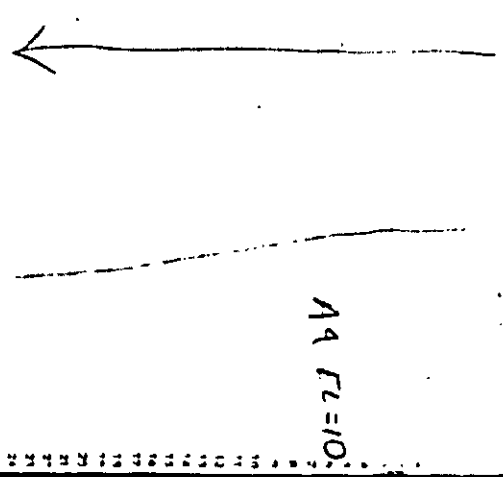
Off

410.90	9.83	A 8 EL=10	40
411.80	9.50	A 8 EL= 9	40
414.52	8.50	A 8 EL= 8	40
415.20	8.25		
418.90	8.10		
426.90	8.00		
434.80	7.90		
442.60	7.90		
450.30	7.80		
458.00	7.70	A 4 EL= 9	
465.70	7.70		
571.00	7.20	A 4 EL= 8	
674.00	7.20	A 4 EL= 8	

ZONE TERMINATED AT END OF TRANSECT

NOTE: see drawings.

MN 11  
A 11 11 11





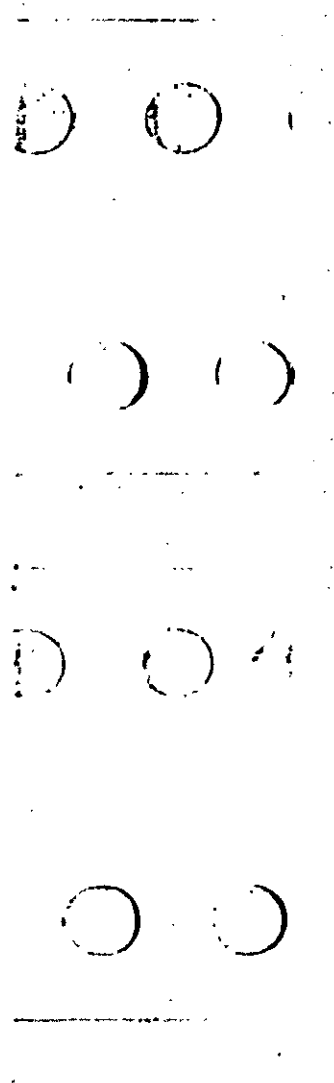
IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 5.000	END ELEVATION -.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 29.300	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 117.000	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 149.000	END ELEVATION 4.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 156.000	END ELEVATION 5.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 165.000	END ELEVATION 8.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 191.000	END ELEVATION 5.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 214.000	END ELEVATION 4.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 243.000	END ELEVATION 3.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 281.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 311.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 340.200	END ELEVATION 2.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 341.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 346.800	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 347.700	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 527.000	END ELEVATION 5.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 581.000	END ELEVATION 6.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 621.000	END ELEVATION 6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 6.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



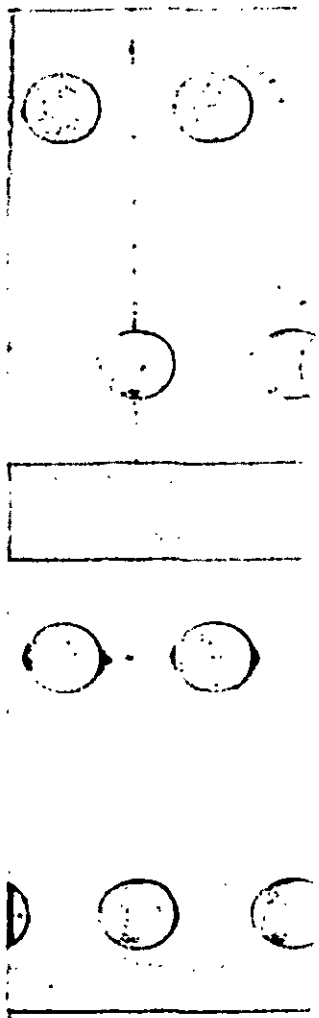
PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	5.00	15.92
OF	29.30	15.92
IF	117.00	14.45
IF	149.00	13.52
IF	156.00	12.81
IF	165.00	11.17
IF	191.00	11.07
IF	214.00	10.88
IF	243.00	10.69
IF	281.00	10.46
IF	311.00	10.18
IF	340.20	9.95
IF	341.00	9.85
IF	346.80	9.85
IF	347.70	9.85
IF	527.00	9.08
IF	581.00	7.75
IF	621.00	7.49
IF	674.00	7.33

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
191.00	6.30	10.10
214.00	6.30	9.90



243.00	6.30	9.70
281.00	6.30	9.40
311.00	6.30	9.10
360.20	6.30	8.90
527.00	6.30	7.40
581.00	6.30	7.00

PARTS LOCATION OF V ZONES  
 STATION OF GUTTER 158.26  
 LOCATION OF ZONE WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES  
 STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

.00	15.92	V12 EL=16	60
54.51	15.50	V12 EL=15	60
114.00	14.50	V12 EL=14	60
149.21	13.50	V12 EL=13	60
157.71	12.50	V12 EL=12	60
158.26	12.40	A 6 EL=12	30
163.21	11.50	A 6 EL=11	30
165.00	11.17	A 6 EL=11	30
191.00	11.07	A 6 EL=11	30

V12 EL=16

V12 EL=15

V12 EL=14

A4 EL=12

FINAL  
 PART 6  
 ZONES

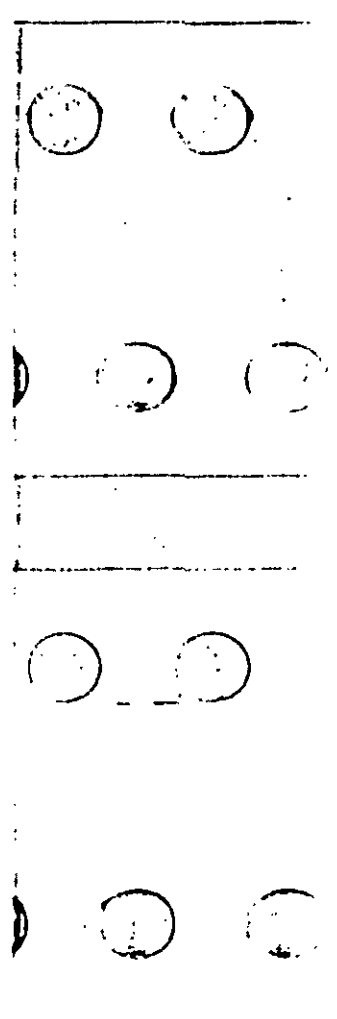
V12  
 EL=16

V12  
 EL=14

A4

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OK

N 210 →

214.00	10.88	A 6 EL=11	30	A 4 EL=11	A 4 EL=11
243.00	10.69	A 6 EL=11	30	A 4 EL=11	
274.05	10.50	A 6 EL=10	30	A 4 EL=10	A 4 EL=10
281.00	10.46	A 6 EL=10	30	A 4 EL=10	
311.00	10.18	A 6 EL=10	30	A 4 EL=10	A 4 EL=10
340.20	9.95	A 6 EL=10	30	A 4 EL=10	
347.70	9.85	A 6 EL=10	30	A 4 EL=10	
428.78	9.50	A 6 EL=9	30	A 4 EL=9	A 4 EL=9
527.00	9.08	A 6 EL=9	30	A 4 EL=9	
550.44	8.50	A 6 EL=8	30	A 4 EL=8	A 4 EL=8
581.00	7.75	A 6 EL=8	30	A 4 EL=8	
619.65	7.50	A 6 EL=7	30	A 4 EL=7	
674.00	7.33	A 6 EL=7	30	A 4 EL=7	

ZONE TERMINATED AT END OF TRANSECT

MATCH  
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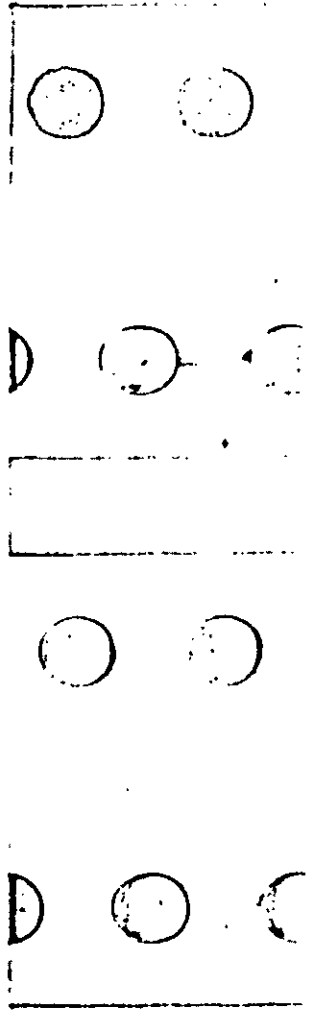
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WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2-1)  
TRANSECT NO. 13.000

PART 1 INPUT



STATE 210

bin 51000  
(count)

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 11.000	END ELEVATION -.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 30.400	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 121.000	END ELEVATION 2.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 140.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 171.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 195.000	END ELEVATION 4.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 227.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 270.000	END ELEVATION 2.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 288.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 320.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 360.000	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 394.900	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 398.200	END ELEVATION 4.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.400	.000	.000	.000	.000	.300	AVERAGE A-ZONES .000
IF	END STATION 401.800	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 405.000	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 411.900	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 418.700	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 425.500	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 432.300	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 439.100	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 445.800	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.300	AVERAGE A-ZONES .000
IF	END STATION 452.600	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 459.300	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 466.000	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 472.800	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 509.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 592.000	END ELEVATION 6.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 670.000	END ELEVATION 4.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 574.000	END ELEVATION 4.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	11.00	15.92
OF	30.60	15.92
IF	121.00	14.50
IF	140.00	13.79
IF	171.00	12.87
IF	195.00	12.77
IF	227.00	12.57
IF	270.00	12.27
IF	288.00	12.02
IF	320.00	11.82
IF	360.00	11.52
IF	394.90	11.22
IF	398.20	10.63
IF	401.80	9.33
IF	405.00	9.33
IF	411.90	9.33
IF	419.70	9.28
IF	425.50	9.23
IF	432.30	9.23
IF	439.10	9.12
IF	445.80	9.07
IF	452.60	9.02
IF	459.30	8.87
IF	466.00	8.82
IF	472.80	8.66
IF	509.00	8.24
IF	592.00	7.79

IF 670.00 .63 7.44  
 IF 674.00 .63 7.44  
 TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .63 WHICH EXCEEDS 0.5.

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

PART4 LOCATION OF SURGE CHANGES

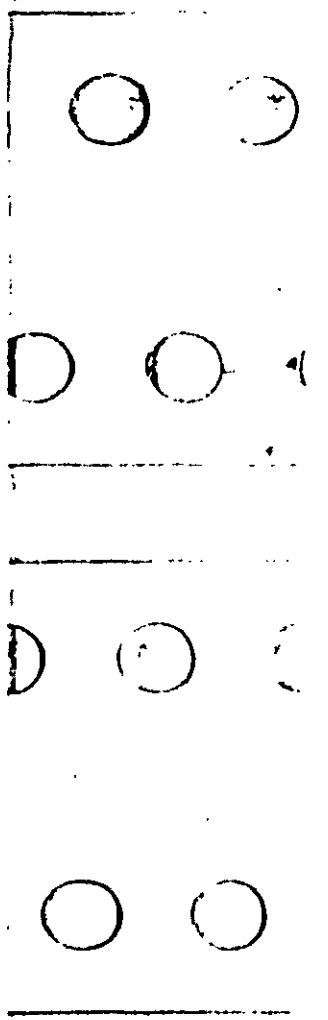
STATION	10-YEAR SURGE	100-YEAR SURGE
195.00	6.30	10.10
227.00	6.30	9.90
270.00	6.30	9.50
288.00	6.30	9.40
320.00	6.30	9.10
360.00	6.30	8.80
394.90	6.30	8.50
398.20	6.30	8.40
418.70	6.30	8.30
439.10	6.30	8.20
452.60	6.30	8.10
459.30	6.30	8.00
472.80	6.30	7.90
509.00	6.30	7.70
592.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
398.44	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
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FINAL  
MATERIAL  
200000

V12 EL=16

V12 EL=16

V12 EL=15

V12 EL=14

V12 EL=13

V12 EL=12

V12 EL=11

398.44	10.50	398.44	15.92	0.00
398.20	10.63	398.20	15.50	57.45
396.90	11.22	396.90	14.50	121.11
361.88	11.50	361.88	13.50	149.83
360.00	11.52	360.00	12.87	171.00
320.00	11.82	320.00	12.77	195.00
288.00	12.02	288.00	12.57	227.00
270.00	12.27	270.00	12.50	236.49

RUNE ON GUNO → 270.00

A 6 EL=11 20

V 7 EL=11 35

V 7 EL=11 35

V 7 EL=11 35

V 7 EL=12 35

V 8 EL=12 40

V 9 EL=12 45

V 9 EL=12 45

V10 EL=12 50

V11 EL=13 55

V11 EL=13 55

V12 EL=13 60

V12 EL=13 60

V12 EL=14 60

V12 EL=15 60

V12 EL=16 60



CH

NC 210 → 592.00

398.57	10.50	A 4 EL=10	20	A 4 EL=10	A 4 EL=10
401.33	9.50	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
411.90	9.33	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
418.70	9.28	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
432.30	9.23	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
439.10	9.12	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
445.80	9.07	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
452.60	9.02	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
459.30	8.87	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
466.00	8.82	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
472.80	8.66	A 4 EL= 9	20	A 4 EL=10	A 4 EL=10
486.48	8.50	A 4 EL= 8	20	A 4 EL=10	A 4 EL=10
509.00	8.24	A 4 EL= 8	20	A 4 EL=10	A 4 EL=10
592.00	7.79	A 4 EL= 8	20	A 4 EL=10	A 4 EL=10
656.16	7.50	A 4 EL= 8	20	A 4 EL=10	A 4 EL=10
674.00	7.44	A 4 EL= 7	20	A 4 EL=10	A 4 EL=10

A 4 EL=10

A 4 EL=9

A 4 EL=8

A 4 EL=8

MATH A 7 EL=7

MATH A 9 EL=7

ZONE TERMINATED AT END OF TRANSECT

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SEQ=739 QPRI=129 LPP=68 CPL=133 COPIES=1 LIMIT=24

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ENQUEUED: 5-AUG-86 8:48:00  
PRINTING: 5-AUG-86 9:15:44

PATH=:UDD:J9539.912.021:COAST3.WHAFIS.ONSLOW.14.RESULTS

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Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04  
AOS/VS XLPT REV 05.00

*14.0 ONSLOW  
WHAFIS  
WITH APT  
5011  
11/11/86  
14*

HAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2-1)  
 TRANSECT NO. 14,000

LINE	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
1		800							
2		400							
3		800							
4		200							
5		400							
6		800							
7		200							
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100		200							

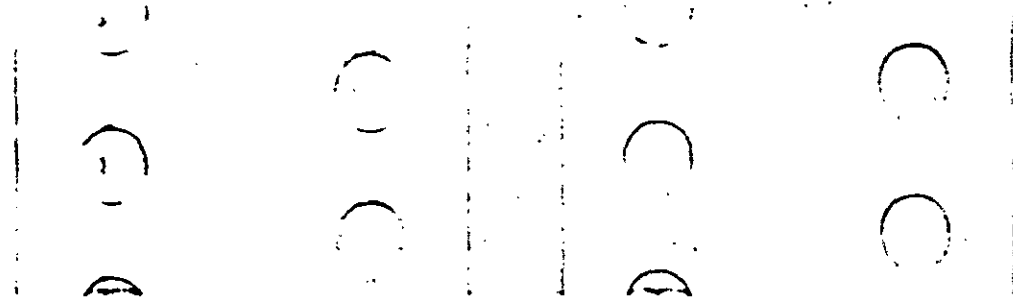
ONE STAIR  
(each)

STAIR 710

PART 1 INPUT

IE	END STATION .000	END ELEVATION -1.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 3.000	END ELEVATION -1.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 25.700	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 98.000	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 120.000	END ELEVATION 4.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 143.000	END ELEVATION 6.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 166.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 200.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 271.000	END ELEVATION 2.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 333.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 390.000	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 428.900	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 434.700	END ELEVATION 6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 436.000	END ELEVATION 7.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 441.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 448.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 455.700	END ELEVATION 6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 462.600	END ELEVATION 6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 469.400	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 476.200	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 483.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 489.800	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 542.000	END ELEVATION 6.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 521.000	END ELEVATION 5.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 5.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000



-----END OF TRANSECT-----

**NOTE:**

**SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.**

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PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE .00	8.03	15.92
OF 8.00	8.03	15.92
OF 25.70	8.03	15.92
IF 98.00	6.16	14.61
IF 120.00	4.29	13.30
IF 143.00	3.20	12.54
IF 166.00	3.20	12.44
IF 200.00	3.20	12.24
ROAD ON QUAA → IF 271.00	3.20	11.89
IF 333.00	3.20	11.44
IF 390.00	3.20	11.04
IF 428.90	3.20	10.69
IF 434.70	1.72	9.50
IF 436.00	1.01	9.01
IF 441.70	1.01	8.96
IF 448.70	1.01	8.91
IF 455.70	1.01	8.86
IF 462.60	1.01	8.81
IF 469.50	1.01	8.76
IF 476.20	1.01	8.71
IF 483.00	1.01	8.71
IF 489.80	1.01	8.66
IF 542.00	.94	8.36
ARC 710 → IF 621.00	.94	7.91
IF 674.00	.94	7.66

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .94 WHICH EXCEEDS 0.5.

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE



NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART 4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
166.00	6.30	10.10
200.00	6.30	9.90
271.00	6.30	9.40
333.00	6.30	9.00
390.00	6.30	8.60
428.90	6.30	8.30
441.70	6.30	8.20
455.70	6.30	8.10
469.40	6.30	8.00
489.80	6.30	7.90
542.00	6.30	7.50
621.00	6.30	7.00

PART 5 LOCATION OF V ZONES

STATION OF GUTTER LOCATION OF ZONE WINDWARD

429.68

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

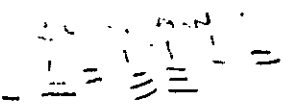
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92	V12	EL=16 60
49.03	15.50	V12	EL=15 60
99.90	14.50	V12	EL=14 60
116.69	13.50	V12	EL=13 60

V12 FL=16

V12 FL=15

V12 FL=14

FINDING  
PARTIAL  
SUN



Off

Point 500 0.000 → 271.00

143.00	12.54	V12 EL=13	60
151.88	12.50	V12 EL=12	60
166.00	12.44	V11 EL=12	55
200.00	12.24	V10 EL=12	50
324.79	11.89	V 9 EL=12	45
333.00	11.50	V 8 EL=11	40
390.00	11.04	V 7 EL=11	35
428.90	10.69	V 6 EL=11	30
429.68	10.40	A 4 EL=11	20
429.93	10.50	A 4 EL=10	20
434.70	9.50	A 4 EL= 9	20
436.00	9.01	A 4 EL= 9	20
441.70	8.96	A 4 EL= 9	20
448.70	8.91	A 4 EL= 9	20
455.70	8.86	A 4 EL= 9	20

V12 EL=13

V12 FL=14

V12 EL=12

V12 FL=12

V12 EL=11

V12 EL=11

V14 EL=10

V14 FL=10

	462.60	8.81	A 4 EL= 9	20		
	469.40	8.76	A 4 EL= 9	20		
	483.00	8.71	A 4 EL= 9	20	A 9 EL= 9	A 9 FL 12
	489.80	8.66	A 4 EL= 9	20		
	517.19	8.50	A 4 EL= 8	20		
	542.00	8.36	A 4 EL= 8	20	A 9 EL= 8	A 9 FL 11
NC 710 →	621.00	7.91	A 4 EL= 8	20		
	674.00	7.66	A 4 EL= 8	20	MATCH A 9 FL= 7	MATCH A 9 FL 7

ZONE TERMINATED AT END OF TRANSECT

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 1  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
	-2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
	1.000	23.000	-97.500	10.300	1.000	34.450	1.000	1.000	.000	.000

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G/E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-4200.000	-24.000	-2710.000	-18.000	-1220.000	-15.000	-910.000	-12.000	-600.000
GR	-9.000	-495.000	-6.000	-390.000	-3.000	-195.000	-1.500	-97.500	.000	.000
GR	2.900	38.000	5.700	75.000	6.600	119.000	9.400	126.000	10.700	150.000
GR	13.700	166.000	7.900	197.000	7.800	242.000	8.700	316.000	8.500	405.000
GR	7.200	475.000	6.600	507.000	6.600	1000.000				

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 1:000 \*\*\*\*\*\_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1954.698  
 EROSION AREA = 1954.239

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-4200.000	-24.000	-2710.000	-18.000	-1220.000	-15.000	-910.000	-13.601	-765.430
-6.952	-702.163	-6.482	-600.000	-5.059	-495.000	-3.635	-390.000	-2.212	-195.000
-1.500	-97.500	-.788	.000	-.586	38.000	1.916	75.000	2.344	119.000
3.672	126.000	4.289	150.000	5.713	166.000	2.960	197.000	2.913	242.000
3.340	316.000	3.250	400.540	6.037	405.000	8.430	408.830	8.350	413.170
7.200	476.000	6.600	507.000	6.600	1000.000				

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 1.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	2.900	38.000	5.700	75.000	6.600	119.000	9.400	126.000
10.700	150.000	13.700	166.000	7.900	197.000	7.800	242.000	8.700	316.000
8.510	400.540	8.500	405.000	8.430	408.830	8.350	413.170	7.200	476.000
6.600	507.000	6.600	1000.000						

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-.788	.000	.588	38.000	1.916	75.000	2.344	119.000	3.672	126.000
4.287	150.000	5.713	166.000	2.960	197.000	2.913	242.000	3.340	316.000
3.250	400.540	6.037	405.000	8.430	408.830	8.350	413.170	7.200	476.000
6.600	507.000	6.600	1000.000						

\*\*\*\*\* TRANSECT NUMBER 1.000 \*\*\*\*\*\_WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

					TRANSECT NO.				
IE	.0	- .8	24.0	6.3	10.3	1.000	1.000		
OF	21.88	.00	.00	.00	.00	.00	.00		
IF	38.00	.6	.00	.00	.00	.00	.00		
IF	75.00	1.9	.00	.00	.00	.00	.00		
IF	119.00	2.3	.00	.00	.00	.00	.00		
IF	126.00	3.7	.00	.00	.00	.00	.00		
IF	150.00	4.3	.00	.00	.00	.00	.00		
IF	166.00	5.7	.00	.00	.00	.00	.00		
IF	197.00	3.0	.00	.00	.00	.00	.00		
IF	242.00	2.9	.00	.00	.00	.00	.00		
IF	316.00	3.1	.00	.00	.00	.00	.00		
IF	400.5	3.2	.00	.00	.00	.00	.00		
IF	405.0	6.0	.00	.00	.00	.00	.00		
IF	408.8	8.4	.00	.00	.00	.00	.00		
IF	413.2	8.4	.00	.00	.00	.00	.00		
IF	476.0	7.2	.00	.00	.00	.00	.00		
IF	507.0	6.6	.00	.00	.00	.00	.00		
IF	674.0	6.6	.00	.00	.00	.00	.00		
ET	1000.0	1000.0	5.0	.0	.0	.0	.0		

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 2  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
	-2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
	2.000	26.000	-112.800	10.300	1.000	34.450	1.000	1.000	.000	.000

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G,E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-3650.000	-27.000	-3037.500	-24.000	-2425.000	-21.000	-1812.500	-18.000	-1200.000
GR	-15.000	-950.000	-12.000	-700.000	-9.000	-600.000	-6.000	-500.000	-3.000	-250.000
GR	-1.500	-112.800	.000	.000	4.000	63.000	6.300	103.000	8.700	124.000
GR	8.800	125.000	9.800	202.000	16.500	222.000	12.600	243.000	9.400	273.000
GR	9.700	336.000	8.900	376.000	8.500	416.000	7.600	488.000	6.700	543.000
GR	6.600	588.000								



LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 2.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD      PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107            CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1908.161  
 EROSION AREA = 1907.661

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-3650.000	-27.000	-3037.500	-24.000	-2425.000	-21.000	-1812.500	-18.000	-1200.000
-15.000	-950.000	-13.767	-847.234	-6.952	-782.391	-6.482	-700.000	-5.059	-600.000
-3.635	-500.000	-2.212	-250.000	-1.500	-112.800	-.788	.000	1.110	63.000
2.201	103.000	3.340	124.000	3.387	125.000	3.862	202.000	7.041	222.000
5.191	243.000	3.672	273.000	3.815	336.000	3.571	361.638	7.163	367.386
9.013	370.347	8.900	376.000	8.814	384.608	8.500	416.000	7.600	488.000
6.700	543.000	6.600	588.000						

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 2.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	4.000	63.000	6.300	103.000	8.700	124.000	8.800	125.000
9.800	202.000	16.500	222.000	12.600	243.000	9.400	273.000	9.700	336.000
9.187	361.638	9.072	367.386	9.013	370.347	8.900	376.000	8.814	384.608
8.500	416.000	7.600	488.000	6.700	543.000	6.600	588.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	1.110	63.000	2.201	103.000	3.340	124.000	3.387	125.000
3.862	202.000	7.041	222.000	5.191	243.000	3.672	273.000	3.815	336.000
3.571	361.638	7.163	367.386	9.013	370.347	8.900	376.000	8.814	384.608
8.500	416.000	7.600	488.000	6.700	543.000	6.600	588.000		

\*\*\* \*\* TRANSECT NUMBER 2.000 \* \* \* \* \* \_WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

IF	ET	1000	10	6.3	10.3	TRANSECT NO.	2.000
26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1202.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2243.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3361.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3367.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3370.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
370.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
384.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
483.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
543.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
582.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
574.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 3  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE	.000	.000	.000	.000	.000	.000
	-2.000	-99.000	6.000	32.000						

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE	.000	.000
	3.000	25.000	-27.600	10.300	1.000	34.450	1.000	1.000		

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G, E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	.000
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-6303.000	-24.000	-3650.500	-18.000	-1000.000	-15.000	-875.000	-12.000	-750.000
GR	-9.000	-670.000	-6.000	-590.000	-1.900	-35.000	-1.500	-27.600	.000	.000
GR	5.800	101.000	7.400	108.000	9.900	151.000	11.200	167.000	13.400	234.000
GR	12.700	249.000	8.800	264.000	9.900	295.000	8.500	355.000	7.200	413.000
GR	7.100	527.000	6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 3.000 \*\*\*\*\*\_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD      PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107      CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1808.593  
 EROSION AREA = 1808.582

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-6300.000	-24.000	-3650.500	-18.000	-1000.000	-15.000	-875.000	-14.775	-865.633
-6.952	-791.196	-6.482	-750.000	-5.059	-670.000	-3.635	-590.000	-1.690	-35.000
-1.500	-27.600	-.788	.000	1.964	101.000	2.723	108.000	3.909	151.000
4.526	167.000	5.570	234.000	5.238	249.000	3.387	264.000	3.909	295.000
3.307	349.448	6.776	355.000	8.440	357.664	8.318	363.118	7.200	413.000
7.100	527.000	6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 3.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	5.800	101.000	7.400	108.000	9.900	151.000	11.200	167.000
13.400	234.000	12.700	249.000	8.800	264.000	9.900	295.000	8.630	349.448
8.500	355.000	8.400	357.664	8.318	363.118	7.200	413.000	7.100	527.000
6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	1.964	101.000	2.723	108.000	3.909	151.000	4.526	167.000
5.570	234.000	5.238	249.000	3.387	264.000	3.909	295.000	3.307	349.448
6.776	355.000	8.440	357.664	8.318	363.118	7.200	413.000	7.100	527.000
6.700	639.000	6.200	696.000	6.100	759.000	6.100	1000.000		

ADDITIONAL

INFORMATION

3



\*\*\* \* TRANSECT NUMBER 3.000 \* \* \* \* \* \_WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

					TRANSECT NO.				
IE	28.9	- .8	24.0	6.3	10.3	1.0	3.000		
OF	101.0	2.0							
IF	108.0	2.7							
IF	151.0	3.9							
IF	167.0	4.5							
IF	234.0	5.6							
IF	249.0	5.2							
IF	264.0	3.4							
IF	295.0	3.9							
IF	349.4	3.3							
IF	355.0	6.8							
IF	357.7	8.3							
IF	363.1	8.3							
IF	413.0	7.2							
IF	527.0	7.1							
IF	639.0	6.7							
IF	674.0	6.2							
ET	1000.0	1000.0	5.0						

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 4

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

PBP ELEVATION	SLOPE FACTOR	FLAT	OFFSHORE CL	ANGLE	ONSHORE CL	ANGLE					
J1	-2.000	-99.000	6.000		32.000		.000	.000	.000	.000	.000

TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
X1	4.000	18.000	-187.500	10.300	1.000	34.450	1.000	.000	.000

RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G/E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
X2	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-5680.000	-24.000	-3430.000	-18.000	-1180.000	-15.000	-1065.000	-12.000
GR	-9.000	-850.000	-6.000	-750.000	-3.000	-375.000	-1.500	-187.500	-.800
GR	.000	.000	3.500	54.000	7.500	72.000	5.400	103.000	5.600
GR	4.800	282.000	4.000	598.000	4.000	1000.000			108.000

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ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 4.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	282.000	3.500	54.000	7.500	72.000	5.400	103.000	5.600	108.000
4.800	282.000	4.038	582.962	4.035	584.125	4.026	587.601	4.023	588.760
4.012	593.385	4.000	598.000	4.000	602.625	4.000	1000.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-.788	282.000	.873	54.000	2.771	72.000	1.774	103.000	1.869	108.000
1.489	282.000	1.128	582.962	1.854	584.125	4.026	587.601	4.023	588.760
4.012	593.385	4.000	598.000	4.000	602.625	4.000	1000.000		

\*\*\* \* TRANSECT NUMBER 4.000 \* \* \* \* \*\_HAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

					TRANSECT NO.				
IE	.0	- .8	24.0	6.3	10.3	1.00	.00	4.000	
OF	25.6	.00	.00	.00	.00	.00	.00	.00	
IF	54.0	.00	.00	.00	.00	.00	.00	.00	
IF	72.0	2 .8	.00	.00	.00	.00	.00	.00	
IF	103.0	11 .8	.00	.00	.00	.00	.00	.00	
IF	108.0	11 .9	.00	.00	.00	.00	.00	.00	
IF	282.0	11 .5	.00	.00	.00	.00	.00	.00	
IF	583.0	11 .1	.00	.00	.00	.00	.00	.00	
IF	584.1	11 .9	.00	.00	.00	.00	.00	.00	
IF	587.6	4 .0	.00	.00	.00	.00	.00	.00	
IF	588.8	4 .0	.00	.00	.00	.00	.00	.00	
IF	593.4	4 .0	.00	.00	.00	.00	.00	.00	
IF	598.0	4 .0	.00	.00	.00	.00	.00	.00	
IF	602.6	4 .0	.00	.00	.00	.00	.00	.00	
IF	674.0	4 .0	.00	.00	.00	.00	.00	.00	
ET	1000.0	1000.0	5.0	.00	.00	.00	.00	.00	

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 5  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP ELEVATION -2.000 SLOPE FLAT FACTOR -99.000 OFFSHORE CL ANGLE 6.000 ONSHORE CL ANGLE 32.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. 5.000 NO. OF GR POINTS 22.000 PBP STATION -112.500 STILL WATER EL 10.300 TIDE ELEVATION 1.000 LATITUDE 34.450 SMALLEST S-0.97 1.000 TRACE 1.000 .000 .000

X2 RADIUS TO MAX WIND 28.750 SEDIMENT DIAMETER .400 F-G/E .800 F-M .900 TRANS SPEED 11.500 END OF EROSION 674.000 10-YEAR STILL EL 6.300 WHAFIS OPTION 1.000 NGVD-MSL -.500 .000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-5000.000	-24.000	-2950.000	-18.000	-900.000	-15.000	-850.000	-12.000	-800.000
GR	-9.000	-625.000	-6.000	-450.000	-3.000	-225.000	-1.500	-112.500	.000	.000
GR	1.300	12.000	6.200	57.000	10.100	66.000	15.000	76.000	9.000	96.000
GR	9.200	108.000	9.000	130.000	12.600	149.000	8.600	167.000	7.300	215.000
GR	7.300	950.000	7.300	1000.000						

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 5.000 \*\*\*\*\*\_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2163.813  
 EROSION AREA = 2164.185

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-5000.000	-24.000	-2950.000	-18.065	-922.216	-18.000	-900.000	-10.475	-850.000
-6.952	-816.478	-6.482	-800.000	-5.059	-625.000	-3.635	-450.000	-2.212	-225.000
-1.500	-112.500	-.788	.000	-.171	12.000	2.154	57.000	4.004	66.000
6.329	76.000	3.482	96.000	3.577	108.000	3.482	130.000	5.191	149.000
5.293	167.000	2.676	215.000	2.676	439.551	7.264	446.894	7.300	446.952
7.300	454.293	7.300	461.691	7.300	469.090	7.300	476.489	7.300	483.887
7.300	491.286	7.300	498.684	7.300	506.083	7.300	513.482	7.300	520.880
7.300	528.279	7.300	535.678	7.300	543.076	7.300	550.475	7.300	557.873
7.300	565.272	7.300	572.671	7.300	580.069	7.300	587.468	7.300	594.866
7.300	602.265	7.300	609.664	7.300	617.062	7.300	624.461	7.300	631.860
7.300	639.258	7.300	646.657	7.300	654.055	7.300	661.454	7.300	668.853
7.300	676.251	7.300	683.650	7.300	691.048	7.300	698.447	7.300	705.846
7.300	713.244	7.300	720.643	7.300	728.042	7.300	735.440	7.300	742.839
7.300	750.237	7.300	757.636	7.300	765.035	7.300	772.433	7.300	779.832
7.300	787.230	7.300	794.629	7.300	802.028	7.300	809.426	7.300	816.825
7.300	824.224	7.300	831.622	7.300	839.021	7.300	846.419	7.300	853.818
7.300	861.217	7.300	868.615	7.300	876.014	7.300	883.412	7.300	890.811
7.300	898.210	7.300	905.608	7.300	913.007	7.300	920.406	7.300	927.804
7.300	935.203	7.300	942.601	7.300	950.000	7.300	957.400	7.300	1000.000

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO. 5.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
7.000	.000	1.300	12.000	6.200	57.000	10.100	66.000	15.000	76.000
9.000	96.000	9.200	108.000	9.000	130.000	12.600	149.000	8.600	167.000
7.300	215.000	7.300	439.551	7.300	446.894	7.300	446.952	7.300	454.293
7.300	461.691	7.300	469.090	7.300	476.489	7.300	483.887	7.300	491.286
7.300	498.684	7.300	506.083	7.300	513.482	7.300	520.880	7.300	528.279
7.300	535.678	7.300	543.076	7.300	550.475	7.300	557.873	7.300	565.272
7.300	572.671	7.300	580.069	7.300	587.468	7.300	594.866	7.300	602.265
7.300	609.664	7.300	617.062	7.300	624.461	7.300	631.860	7.300	639.258
7.300	646.657	7.300	654.055	7.300	661.454	7.300	668.853	7.300	676.251
7.300	683.650	7.300	691.048	7.300	698.447	7.300	705.846	7.300	713.244
7.300	720.643	7.300	728.042	7.300	735.440	7.300	742.839	7.300	750.237
7.300	757.636	7.300	765.035	7.300	772.433	7.300	779.832	7.300	787.230
7.300	794.629	7.300	802.028	7.300	809.426	7.300	816.825	7.300	824.224
7.300	831.622	7.300	839.021	7.300	846.419	7.300	853.818	7.300	861.217
7.300	868.615	7.300	876.014	7.300	883.412	7.300	890.811	7.300	898.210
7.300	905.608	7.300	913.007	7.300	920.406	7.300	927.804	7.300	935.203
7.300	942.601	7.300	950.000	7.300	957.400	7.300	1000.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	-0.171	12.000	2.154	57.000	4.004	66.000	6.329	76.000
3.482	96.000	3.577	108.000	3.482	130.000	5.191	149.000	3.293	167.000
2.676	215.000	2.676	439.551	7.264	446.894	7.300	446.952	7.300	454.293
7.300	461.691	7.300	469.090	7.300	476.489	7.300	483.887	7.300	491.286
7.300	498.684	7.300	506.083	7.300	513.482	7.300	520.880	7.300	528.279
7.300	535.678	7.300	543.076	7.300	550.475	7.300	557.873	7.300	565.272
7.300	572.671	7.300	580.069	7.300	587.468	7.300	594.866	7.300	602.265
7.300	609.664	7.300	617.062	7.300	624.461	7.300	631.860	7.300	639.258
7.300	646.657	7.300	654.055	7.300	661.454	7.300	668.853	7.300	676.251
7.300	683.650	7.300	691.048	7.300	698.447	7.300	705.846	7.300	713.244
7.300	720.643	7.300	728.042	7.300	735.440	7.300	742.839	7.300	750.237
7.300	757.636	7.300	765.035	7.300	772.433	7.300	779.832	7.300	787.230
7.300	794.629	7.300	802.028	7.300	809.426	7.300	816.825	7.300	824.224
7.300	831.622	7.300	839.021	7.300	846.419	7.300	853.818	7.300	861.217
7.300	868.615	7.300	876.014	7.300	883.412	7.300	890.811	7.300	898.210
7.300	905.608	7.300	913.007	7.300	920.406	7.300	927.804	7.300	935.203
7.300	942.601	7.300	950.000	7.300	957.400	7.300	1000.000		



\*\*\* \*\* TRANSECT NUMBER 5.000 \*\*\* \*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	WAVE HEIGHT	ANALYSIS INPUT
0	0.0	0.0
1	12.3	12.3
2	15.0	15.0
3	57.0	57.0
4	6.0	6.0
5	3.5	3.5
6	5.2	5.2
7	2.7	2.7
8	7.3	7.3
9	9.0	9.0
10	7.0	7.0
11	3.7	3.7
12	7.5	7.5
13	3.9	3.9
14	7.3	7.3
15	7.3	7.3
16	7.3	7.3
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195	7.3	7.3
196	7.3	7.3
197	7.3	7.3
198	7.3	7.3
199	7.3	7.3
200	7.3	7.3

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 6

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE	.000	.000	.000	.000	.000	.000
	-2.000	-99.000	6.000	32.000						

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE	.000	.000
	6.000	26.000	-112.800	10.300	1.000	34.450	1.000	1.000		

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G/E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	.000
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2820.000	-24.000	-1885.000	-18.000	-950.000	-15.000	-825.000	-12.000	-700.000
GR	-9.000	-575.000	-6.000	-450.000	-3.000	-225.000	-1.500	-112.800	.000	.000
GR	1.000	12.000	4.700	60.000	7.700	76.000	12.300	86.000	14.000	100.000
GR	12.400	115.000	9.100	131.000	11.600	145.000	8.200	154.000	8.600	170.000
GR	8.000	199.000	11.100	222.000	8.400	247.000	7.600	275.000	7.600	950.000
GR	7.600	1000.000								

LISTING OF OUTPUT

\* \* \* \* \* TRANSECT NUMBER 6.000 \* \* \* \* \* DUNE EROSION ANALYSIS  
 STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD  
 DEPOSITION AREA = 1846.912  
 EROSION AREA = 1847.304

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-2820.000	-24.000	-1885.000	-15.000	-825.000	-14.775	-815.000	-30.000	-2820.000
-6.952	-741.196	-6.788	100.000	-5.059	132.000	-2.212	276.000	-1.500	-112.800
3.103	154.000	3.293	170.000	3.008	119.000	4.716	45.000	3.103	154.000
2.818	86.000	2.818	391.489	3.002	368.336	3.198	376.187	2.818	86.000
7.600	460.546	7.600	429.743	7.600	437.394	7.600	445.044	7.600	460.546
7.600	498.855	7.600	506.251	7.600	513.902	7.600	521.553	7.600	498.855
7.600	575.109	7.600	582.505	7.600	590.410	7.600	598.316	7.600	575.109
7.600	613.363	7.600	621.014	7.600	628.665	7.600	636.316	7.600	613.363
7.600	651.617	7.600	659.522	7.600	666.919	7.600	674.316	7.600	651.617
7.600	689.871	7.600	697.776	7.600	705.173	7.600	712.570	7.600	689.871
7.600	728.126	7.600	735.531	7.600	743.427	7.600	751.324	7.600	728.126
7.600	766.380	7.600	774.031	7.600	781.681	7.600	789.327	7.600	766.380
7.600	804.634	7.600	812.285	7.600	819.936	7.600	827.587	7.600	804.634
7.600	842.888	7.600	850.539	7.600	858.190	7.600	865.841	7.600	842.888
7.600	881.142	7.600	888.793	7.600	896.444	7.600	904.095	7.600	881.142
7.600	919.397	7.600	927.047	7.600	934.698	7.600	942.349	7.600	919.397
7.600	957.653	7.600	1000.000	7.600	950.000	7.600	957.653	7.600	957.653

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO. 6.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
14.000	100.000	12.000	12.000	4.700	60.000	7.700	76.000	12.300	86.000
8.600	170.000	8.000	115.000	9.100	131.000	11.500	145.000	8.200	154.000
7.600	361.840	7.600	199.000	7.600	222.000	8.400	247.000	7.600	275.000
7.600	391.489	7.600	368.536	7.600	406.790	7.600	414.441	7.600	383.838
7.600	429.743	7.600	437.139	7.600	445.044	7.600	452.695	7.600	422.092
7.600	467.997	7.600	475.648	7.600	483.299	7.600	490.950	7.600	460.346
7.600	506.251	7.600	513.902	7.600	521.553	7.600	529.204	7.600	508.605
7.600	544.505	7.600	552.156	7.600	559.807	7.600	567.558	7.600	557.109
7.600	582.760	7.600	590.410	7.600	628.665	7.600	605.807	7.600	613.363
7.600	621.014	7.600	628.919	7.600	674.570	7.600	644.316	7.600	651.617
7.600	659.268	7.600	666.913	7.600	712.824	7.600	682.574	7.600	689.871
7.600	697.522	7.600	705.173	7.600	751.078	7.600	724.824	7.600	728.126
7.600	735.776	7.600	743.427	7.600	781.631	7.600	751.078	7.600	766.380
7.600	774.031	7.600	781.936	7.600	819.936	7.600	799.332	7.600	804.634
7.600	812.285	7.600	819.936	7.600	858.190	7.600	827.587	7.600	842.888
7.600	850.539	7.600	858.190	7.600	896.444	7.600	865.841	7.600	881.142
7.600	888.793	7.600	896.444	7.600	942.349	7.600	904.095	7.600	919.395
7.600	927.047	7.600	934.698	7.600	942.349	7.600	942.349	7.600	957.6

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
5.855	100.000	5.096	12.000	1.442	60.000	2.866	76.000	5.048	86.000
3.293	170.000	3.008	115.000	4.479	131.000	4.718	145.000	3.103	154.000
2.818	361.840	2.002	199.000	7.600	222.000	7.600	247.000	2.818	275.000
7.600	391.489	7.600	368.536	7.600	406.790	7.600	414.441	7.600	383.838
7.600	429.743	7.600	437.139	7.600	445.044	7.600	452.695	7.600	422.092
7.600	467.997	7.600	475.648	7.600	483.299	7.600	490.950	7.600	460.346
7.600	506.251	7.600	513.902	7.600	521.553	7.600	529.204	7.600	508.605
7.600	544.505	7.600	552.156	7.600	559.807	7.600	567.558	7.600	557.109
7.600	582.760	7.600	590.410	7.600	628.665	7.600	605.807	7.600	613.363
7.600	621.014	7.600	628.919	7.600	674.570	7.600	644.316	7.600	651.617
7.600	659.268	7.600	666.913	7.600	712.824	7.600	682.574	7.600	689.871
7.600	697.522	7.600	705.173	7.600	751.078	7.600	724.824	7.600	728.126
7.600	735.776	7.600	743.427	7.600	781.631	7.600	751.078	7.600	766.380
7.600	774.031	7.600	781.936	7.600	819.936	7.600	799.332	7.600	804.634
7.600	812.285	7.600	819.936	7.600	858.190	7.600	827.587	7.600	842.888
7.600	850.539	7.600	858.190	7.600	896.444	7.600	865.841	7.600	881.142
7.600	888.793	7.600	896.444	7.600	942.349	7.600	904.095	7.600	919.395
7.600	927.047	7.600	934.698	7.600	942.349	7.600	942.349	7.600	957.6

\*\*\* \*\* \* TRANSECT NUMBER 6.000 \* \* \* \*\* \* HAVE HEIGHT INPUT GENERATOR\_

LISTING OF HAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	6.000	6.3	10.3	24	8.3	12.6	20.6	60.0	76.0	86.0	100.0	115.0	131.0	145.0	170.0	199.0	227.0	275.0	361.0	368.5	376.2	383.5	391.5	406.8	414.7	422.7	437.4	445.7	452.3	468.0	475.3	483.9	498.6	506.3	521.6	529.3	544.5	552.8	557.1	563.4	595.7	595.7							
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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IF	621.0	7.6	.00000000
IF	628.3	7.6	.00000000
IF	636.0	7.6	.00000000
IF	644.0	7.6	.00000000
IF	651.6	7.6	.00000000
IF	659.3	7.6	.00000000
IF	666.9	7.6	.00000000
IF	674.0	7.6	.00000000
ET	1000.0	1000.0	.00000000
			5.0

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 7  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP ELEVATION -2.000 SLOPE FLAT FACTOR -99.000 OFFSHORE CL ANGLE 6.000 ONSHORE CL ANGLE 32.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. 7.000 NO. OF GR POINTS 25.000 PBP STATION -125.000 STILL WATER EL 10.300 TIDE ELEVATION 1.000 LATITUDE 34.450 SMALLEST S-0.97 1.000 TRACE 1.000 .000 .000

X2 RADIUS TO MAX WIND 28.750 SEDIMENT DIAMETER .400 F-G/E .800 F-M .900 TRANS SPEED 11.500 END OF EROSION 674.000 10-YEAR STILL EL 6.300 WHAFIS OPTION 1.000 NGVD-MSL -.500 .000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2520.000	-24.000	-1750.000	-18.000	-980.000	-15.000	-845.000	-12.000	-710.000
GR	-9.000	-605.000	-6.000	-500.000	-3.000	-250.000	-1.500	-125.000	.000	.000
GR	.900	12.000	5.800	77.000	10.600	95.000	13.000	103.000	11.600	108.000
GR	12.400	142.000	16.300	154.000	10.500	182.000	8.200	209.000	7.000	233.000
GR	10.500	251.000	10.900	310.000	6.500	411.000	8.500	471.000	8.500	1000.000

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LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 7.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1747.942  
 EROSION AREA = 1747.964

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-2520.000	-24.000	-1750.000	-18.000	-980.000	-15.000	-845.000	-14.607	-827.332
-6.952	-754.491	-6.482	-710.000	-5.059	-605.000	-3.635	-500.000	-2.212	-250.000
-1.500	-125.000	-0.788	.000	-0.361	12.000	1.964	77.000	4.242	95.000
5.380	103.000	4.716	108.000	5.096	142.000	6.946	154.000	4.194	182.000
5.103	209.000	2.533	233.000	4.194	251.000	4.384	310.000	4.382	310.116
7.859	315.681	10.470	319.800	10.236	325.233	9.834	334.459	9.446	343.368
9.071	351.973	8.710	360.281	8.360	368.306	8.022	376.055	7.696	383.539
7.381	390.767	7.077	397.748	6.784	404.489	6.500	411.000	6.737	418.107
8.500	471.000	8.500	1000.000						





LISTING OF WAVE HEIGHT ANALYSIS INPUT

					TRANSECT NO.				
IE	.0	- .3	24.0	6.3	10.3	1.0	7.000		
OF	12.0	- .4	.00	.00	.00	1.00	.00		
OF	22.1	.0	.00	.00	.00	1.00	.00		
IF	77.0	2.0	.00	.00	.00	.00	.00		
IF	95.0	4.2	.00	.00	.00	.00	.00		
IF	103.0	5.4	.00	.00	.00	.00	.00		
IF	108.0	4.7	.00	.00	.00	.00	.00		
IF	142.0	5.1	.00	.00	.00	.00	.00		
IF	154.0	6.9	.00	.00	.00	.00	.00		
IF	182.0	4.2	.00	.00	.00	.00	.00		
IF	209.0	3.1	.00	.00	.00	.00	.00		
IF	233.0	2.5	.00	.00	.00	.00	.00		
IF	251.0	4.2	.00	.00	.00	.00	.00		
IF	310.0	4.4	.00	.00	.00	.00	.00		
IF	310.1	4.4	.00	.00	.00	.00	.00		
IF	319.6	10.3	.00	.00	.00	.00	.00		
AS	323.8	10.3	.00	.00	.00	.00	.00		
IF	325.2	10.2	.00	.00	.00	.00	.00		
IF	334.5	9.8	.00	.00	.00	.00	.00		
IF	343.4	9.4	.00	.00	.00	.00	.00		
IF	352.0	9.1	.00	.00	.00	.00	.00		
IF	360.3	8.7	.00	.00	.00	.00	.00		
IF	368.3	8.4	.00	.00	.00	.00	.00		
IF	376.1	8.0	.00	.00	.00	.00	.00		
IF	383.5	7.7	.00	.00	.00	.00	.00		
IF	390.8	7.4	.00	.00	.00	.00	.00		
IF	397.7	7.1	.00	.00	.00	.00	.00		
IF	404.5	6.8	.00	.00	.00	.00	.00		
IF	411.0	6.5	.00	.00	.00	.00	.00		
IF	418.1	6.7	.00	.00	.00	.00	.00		
IF	471.0	8.5	.00	.00	.00	.00	.00		
IF	674.0	8.5	.00	.00	.00	.00	.00		
ET	1000.0	1000.0	5.0	.00	.00	.00	.00		



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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/36 - TRANSECT 8

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1	PBP ELEVATION	SLOPE FLAT. FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE	.000	.000	.000	.000	.000	.000
	-2.000	-99.000	6.000	32.000						

X1	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE	.000	.000
	8.000	29.000	-100.000	10.300	1.000	34.450	1.000	1.000		

X2	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G, E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	.000
	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-1950.000	-24.000	-1500.000	-18.000	-1050.000	-15.000	-950.000	-12.000	-850.000
GR	-9.000	-625.000	-6.000	-400.000	-3.000	-200.000	-1.500	-100.000	.000	.000
GR	1.100	10.000	6.300	60.000	9.800	86.000	12.400	105.000	14.800	110.000
GR	10.500	125.000	11.500	139.000	20.800	151.000	19.700	167.000	13.500	178.000
GR	7.100	204.000	7.000	208.000	6.700	307.000	5.700	327.000	4.300	338.000
GR	6.500	351.000	6.900	373.000	6.900	950.000	6.900	1000.000		

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LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 8.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2521.005  
 EROSION AREA = 2520.369

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-1950.000	-24.000	-1500.000	-18.000	-1050.000	-15.400	-963.340	-15.000	-950.000
-6.952	-882.956	-6.482	-850.000	-5.059	-625.000	-3.635	-400.000	-2.212	-200.000
-1.500	-100.000	-.788	.000	-.266	10.000	2.201	60.000	3.862	86.000
5.096	105.000	6.235	110.000	4.194	125.000	4.669	139.000	9.082	151.000
6.560	167.000	5.618	178.000	2.581	204.000	2.533	208.000	2.391	307.000
1.916	327.000	1.252	338.000	2.296	351.000	2.486	373.000	2.486	496.686
3.314	498.012	6.900	503.750	6.900	505.074	6.900	512.136	6.900	519.199
6.900	526.261	6.900	533.323	6.900	540.386	6.900	547.448	6.900	554.510
6.900	561.573	6.900	568.635	6.900	575.697	6.900	582.760	6.900	589.822
6.900	596.884	6.900	603.947	6.900	611.009	6.900	618.071	6.900	625.134
6.900	632.196	6.900	639.258	6.900	646.320	6.900	653.383	6.900	660.445
6.900	667.507	6.900	674.570	6.900	681.632	6.900	688.694	6.900	695.757
6.900	702.819	6.900	709.881	6.900	716.944	6.900	724.006	6.900	731.068
6.900	738.131	6.900	745.193	6.900	752.255	6.900	759.317	6.900	766.380
6.900	773.442	6.900	780.504	6.900	787.567	6.900	794.629	6.900	801.691
6.900	808.754	6.900	815.816	6.900	822.878	6.900	829.941	6.900	837.003
6.900	844.065	6.900	851.128	6.900	858.190	6.900	865.252	6.900	872.315
6.900	879.377	6.900	886.439	6.900	893.501	6.900	900.564	6.900	907.626
6.900	914.683	6.900	921.751	6.900	928.813	6.900	935.875	6.900	942.938
6.900	950.000	6.900	957.064	6.900	1000.000				

ONSHORE SEGMENT OF TRANSECT  
FROM PRE-STORM ZERO NGVD.  
TRANSECT NO. 8.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	1.100	10.000	6.300	60.000	9.800	86.000
14.800	110.000	10.500	125.000	11.500	139.000	20.800	151.000
13.500	178.000	7.100	204.000	7.000	208.000	6.700	307.000
4.300	338.000	6.500	351.000	6.900	373.000	6.900	496.686
6.900	503.750	6.900	505.074	6.900	512.136	6.900	519.199
6.900	533.323	6.900	540.386	6.900	547.448	6.900	554.510
6.900	563.635	6.900	575.697	6.900	582.760	6.900	589.822
6.900	603.947	6.900	611.009	6.900	618.071	6.900	625.134
6.900	639.253	6.900	646.320	6.900	653.383	6.900	660.445
6.900	674.570	6.900	681.632	6.900	688.694	6.900	695.757
6.900	709.831	6.900	716.944	6.900	724.006	6.900	731.063
6.900	745.193	6.900	752.255	6.900	759.317	6.900	766.380
6.900	780.504	6.900	787.567	6.900	794.629	6.900	801.691
6.900	815.816	6.900	822.878	6.900	829.941	6.900	837.003
6.900	851.123	6.900	858.190	6.900	865.252	6.900	872.315
6.900	886.439	6.900	893.501	6.900	900.564	6.900	907.626
6.900	921.751	6.900	928.813	6.900	935.875	6.900	942.938
6.900	957.064	6.900	1000.000				

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	-0.266	10.000	2.201	60.000	3.862	86.000
6.235	110.000	4.194	125.000	4.669	139.000	9.082	151.000
5.612	178.000	2.581	204.000	2.533	208.000	2.391	307.000
1.252	338.000	2.296	351.000	2.486	373.000	2.486	496.686
6.900	503.750	6.900	505.074	6.900	512.136	6.900	519.199
6.900	533.323	6.900	540.386	6.900	547.448	6.900	554.510
6.900	563.635	6.900	575.697	6.900	582.760	6.900	589.822
6.900	603.947	6.900	611.009	6.900	618.071	6.900	625.134
6.900	639.253	6.900	646.320	6.900	653.383	6.900	660.445
6.900	674.570	6.900	681.632	6.900	688.694	6.900	695.757
6.900	709.831	6.900	716.944	6.900	724.006	6.900	731.063
6.900	745.193	6.900	752.255	6.900	759.317	6.900	766.380
6.900	780.504	6.900	787.567	6.900	794.629	6.900	801.691
6.900	815.816	6.900	822.878	6.900	829.941	6.900	837.003
6.900	851.123	6.900	858.190	6.900	865.252	6.900	872.315
6.900	886.439	6.900	893.501	6.900	900.564	6.900	907.626
6.900	921.751	6.900	928.813	6.900	935.875	6.900	942.938
6.900	957.064	6.900	1000.000				

\*\*\* \* TRANSECT NUMBER 8.000 \* \* \* \* \* \_WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

		TRANSECT NO.	8.000		
IE	.0				
OF	10.0				
OF	15.4				
IF	60.0				
IF	66.0				
IF	105.0				
IF	110.0				
IF	125.0				
IF	159.0				
IF	151.0				
IF	167.0				
IF	178.0				
IF	204.0				
IF	208.0				
IF	307.0				
IF	327.0				
IF	338.0				
IF	351.0				
IF	373.0				
IF	496.7				
IF	498.0				
IF	505.7				
IF	505.1				
IF	512.1				
IF	514.2				
IF	526.3				
IF	533.3				
IF	540.4				
IF	547.4				
IF	554.5				
IF	561.6				
IF	568.6				
IF	575.7				
IF	582.3				
IF	589.3				
IF	596.7				
IF	603.7				
IF	611.0				
IF	618.1				
IF	625.1				
IF	632.2				
IF	639.3				
IF	646.3				
IF	653.4				
IF	660.4				
IF	667.5				
IF	674.0				
ET	1000.0				





LISTING OF INPUT DATA

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 9  
 T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

	PBP ELEVATION	SLOPE FACTOR	FLAT	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
J1	-2.000	-99.000		6.000	32.000	.000	.000	.000	.000	.000	.000

	TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
X1	9.000	23.000	-135.000	10.300	1.000	34.450	1.000	1.000	.000	.000

	RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G,E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD-MSL	
X2	28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2300.000	-24.000	-1725.000	-18.000	-1150.000	-15.000	-1020.000	-12.000	-890.000
GR	-9.000	-715.000	-6.000	-540.000	-3.000	-270.000	-1.500	-135.000	.000	.000
GR	-.200	1.000	6.400	81.000	10.700	104.000	14.600	108.000	20.000	126.000
GR	13.500	136.000	10.000	147.000	10.100	155.000	8.200	223.000	5.900	395.000
GR	5.900	453.000	5.900	950.000	5.900	1000.000				

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59 470

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 9.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.107 CLCSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2327.946  
 EROSION AREA = 2328.107

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-2500.000	-24.000	-1725.000	-18.000	-1150.000	-15.000	-1020.000	-14.687	-1006.443
-6.952	-932.843	-6.482	-890.000	-5.059	-715.000	-3.635	-540.000	-2.212	-270.000
-1.500	-135.000	-0.788	.000	-0.693	1.000	2.249	81.000	4.289	104.000
6.140	108.000	8.702	126.000	5.618	136.000	3.957	147.000	4.004	155.000
5.103	223.000	2.011	395.000	2.011	453.000	2.011	486.686	3.835	489.604
5.900	492.910	5.900	495.826	5.900	502.047	5.900	508.269	5.900	514.491
5.900	520.712	5.900	526.934	5.900	533.155	5.900	539.377	5.900	545.598
5.900	551.820	5.900	558.042	5.900	564.263	5.900	570.485	5.900	576.706
5.900	582.928	5.900	589.149	5.900	595.371	5.900	601.592	5.900	607.814
5.900	614.036	5.900	620.257	5.900	626.479	5.900	632.700	5.900	638.922
5.900	645.143	5.900	651.365	5.900	657.587	5.900	663.808	5.900	670.030
5.900	676.251	5.900	682.473	5.900	688.694	5.900	694.916	5.900	701.137
5.900	707.359	5.900	713.581	5.900	719.802	5.900	726.024	5.900	732.245
5.900	738.467	5.900	744.688	5.900	750.910	5.900	757.132	5.900	763.353
5.900	769.575	5.900	775.796	5.900	782.018	5.900	788.239	5.900	794.461
5.900	800.682	5.900	806.904	5.900	813.126	5.900	819.347	5.900	825.569
5.900	831.790	5.900	838.012	5.900	844.233	5.900	850.455	5.900	856.677
5.900	862.898	5.900	869.120	5.900	875.341	5.900	881.563	5.900	887.784
5.900	894.006	5.900	900.227	5.900	906.449	5.900	912.671	5.900	918.892
5.900	925.114	5.900	931.335	5.900	937.557	5.900	943.778	5.900	950.000
5.900	956.223	5.900	1000.000						

493'





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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 10

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

PBP ELEVATION	SLOPE FLAT FACTOR	OFFSHORE CL ANGLE	ONSHORE CL ANGLE						
J1 -2.000	-99.000	6.000	32.000	.000	.000	.000	.000	.000	.000

TRANSECT NO.	NO. OF GR POINTS	PBP STATION	STILL WATER EL	TIDE ELEVATION	LATITUDE	SMALLEST S-0.97	TRACE		
X1 10.000	24.000	-100.000	10.300	1.000	34.450	1.000	1.000	.000	.000

RADIUS TO MAX WIND	SEDIMENT DIAMETER	F-G,E	F-M	TRANS SPEED	END OF EROSION	10-YEAR STILL EL	WHAFIS OPTION	NGVD- MSL	
X2 28.750	.400	.800	.900	11.500	674.000	6.300	1.000	-.500	.000

GR	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-1800.000	-24.000	-1350.000	-18.000	-900.000	-15.000	-750.000	-12.000	-600.000
GR	-9.000	-500.000	-6.000	-400.000	-3.000	-200.000	-1.500	-100.000	.000	.000
GR	.300	9.000	6.000	73.000	11.000	92.000	15.400	102.000	21.600	115.000
GR	22.000	141.000	17.700	154.000	11.500	179.000	9.000	199.000	8.700	216.000
GR	7.500	263.000	5.100	462.000	5.600	504.000	5.600	1000.000		

LISTING OF OUTPUT

\*\*\*\*\* TRANSECT NUMBER 10.000 \*\*\*\*\* \_DUNE EROSION ANALYSIS\_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL  
 SLOPE FLATENING FACTOR= 2.707 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1642.674  
 EROSION AREA = 1642.337

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-30.000	-1800.000	-24.000	-1350.000	-18.000	-900.000	-15.000	-750.000	-14.407	-720.373
-6.952	-649.435	-6.482	-600.000	-5.059	-500.000	-3.635	-400.000	-2.212	-200.000
-1.500	-100.000	-0.788	.000	-0.646	9.000	2.059	73.000	4.431	92.000
6.519	102.000	9.461	115.000	9.936	141.000	7.611	154.000	4.669	179.000
3.482	199.000	3.340	216.000	2.841	257.199	6.465	263.000	7.680	264.624
7.410	270.425	5.100	462.000	5.600	504.000	5.600	1000.000		

ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 10.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	.300	9.000	6.000	73.000	11.000	92.000	15.400	102.000
21.600	115.000	22.600	141.000	17.700	154.000	11.500	179.000	9.000	199.000
8.700	216.000	7.648	257.199	7.500	263.000	7.480	264.624	7.410	270.425
5.100	462.000	5.600	504.000	5.600	1000.000				

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	-0.646	9.000	2.059	73.000	4.431	92.000	6.519	102.000
9.461	115.000	9.936	141.000	7.611	154.000	4.669	179.000	3.482	199.000
3.340	216.000	2.841	257.199	6.465	263.000	7.480	264.624	7.410	270.425
5.100	462.000	5.600	504.000	5.600	1000.000				

\*\*\*\*\* TRANSECT NUMBER 10.000 \*\*\*\*\*\_WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

					TRANSECT NO.				
IE	0	1	24.0	6.3	10.3	1.0	10.000		
OF	24.3	1.6				1.0			
IF	73.0	2.1							
IF	92.0	4.4							
IF	102.0	6.5							
IF	115.0	9.9							
IF	141.0	17.6							
IF	154.0	33.7							
IF	179.0	53.5							
IF	216.0	73.3							
IF	257.2	92.2							
IF	263.0	106.5							
IF	264.6	117.5							
IF	270.4	127.4							
IF	462.0	155.1							
IF	504.0	155.6							
IF	674.0	155.6							
ET	1000.0	1000.0	5.0						



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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 11  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP ELEVATION -2.000 SLOPE FLAT FACTOR -99.000 OFFSHORE CL ANGLE 6.000 ONSHORE CL ANGLE 32.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. 11.000 NO. OF GR POINTS 25.000 PBP STATION -122.500 STILL WATER EL 10.300 TIDE ELEVATION 1.000 LATITUDE 34.450 SMALLEST S-0.97 1.000 TRACE 1.000 .000 .000

X2 RADIUS TO MAX WIND 28.750 SEDIMENT DIAMETER .400 F-G,E .800 F-M .900 TRANS SPEED 11.500 END OF EROSION 674.000 10-YEAR STILL EL 6.300 WHAFIS OPTION 1.000 NGVD-MSL -.500 .000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2000.000	-24.000	-1520.000	-18.000	-1040.000	-15.000	-910.000	-12.000	-780.000
GR	-9.000	-630.000	-6.000	-490.000	-3.000	-245.000	-1.500	-122.500	.000	.000
GR	.200	12.000	6.800	112.000	11.300	141.000	12.000	147.000	15.500	165.000
GR	14.500	177.000	8.900	195.000	8.500	212.000	8.800	264.000	8.900	306.000
GR	8.800	351.000	8.500	383.000	7.700	458.000	7.200	571.000	7.200	1000.000

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ONSHORE SEGMENT OF TRANSECT.  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 11.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	.200	12.000	6.800	112.000	11.300	141.000	12.000	147.000
15.500	165.000	14.500	177.000	8.900	195.000	8.500	212.000	8.800	264.000
8.900	306.000	8.800	351.000	8.500	383.000	8.243	407.132	8.202	410.927
8.157	415.188	8.117	418.948	8.032	426.897	7.948	434.776	7.864	442.586
7.782	450.327	7.700	458.000	7.666	465.682	7.200	571.000	7.200	1000.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-7.788	.000	-6.693	12.000	2.438	112.000	4.574	141.000	4.906	147.000
6.567	165.000	6.092	177.000	3.435	195.000	3.245	212.000	3.387	264.000
3.435	306.000	3.387	351.000	3.245	383.000	3.123	407.132	5.494	410.927
8.157	415.188	8.117	418.948	8.032	426.897	7.948	434.776	7.864	442.586
7.782	450.327	7.700	458.000	7.666	465.682	7.200	571.000	7.200	1000.000

\*\*\* TRANSECT NUMBER 11.000 \*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

	TRANSECT NO.	11.000				
IE	0	0	0	0	0	0
OF	12.1	0	0	0	0	0
IF	34.1	0	0	0	0	0
IF	112.0	0	0	0	0	0
IF	147.0	0	0	0	0	0
IF	165.0	0	0	0	0	0
IF	177.0	0	0	0	0	0
IF	195.0	0	0	0	0	0
IF	206.0	0	0	0	0	0
IF	212.0	0	0	0	0	0
IF	306.0	0	0	0	0	0
IF	351.0	0	0	0	0	0
IF	383.0	0	0	0	0	0
IF	407.0	0	0	0	0	0
IF	415.0	0	0	0	0	0
IF	418.0	0	0	0	0	0
IF	426.0	0	0	0	0	0
IF	434.0	0	0	0	0	0
IF	442.0	0	0	0	0	0
IF	458.0	0	0	0	0	0
IF	571.0	0	0	0	0	0
IF	574.0	0	0	0	0	0
ET	1000.0	0	0	0	0	0

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ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 12.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	.100	5.000	7.300	117.000	10.900	149.000	13.600	156.000
20.100	165.000	13.900	191.000	10.700	214.000	9.600	243.000	7.000	281.000
6.400	311.000	6.497	340.157	6.500	341.000	6.475	346.846	6.471	347.682
5.700	527.000	6.000	581.000	6.100	621.000	6.400	674.000		

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	-0.741	5.000	2.676	117.000	4.384	149.000	5.665	156.000
8.749	165.000	5.807	191.000	4.289	214.000	3.767	243.000	2.533	281.000
2.249	311.000	2.295	340.157	2.822	341.000	6.475	346.846	6.471	347.682
5.700	527.000	6.000	581.000	6.100	621.000	6.400	674.000		

\*\*\*\*\* TRANSECT NUMBER 12.000 \*\*\*\*\* WAVE HEIGHT INPUT GENERATOR\_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

		TRANSECT NO.							
IF	5.0	1.8	24.0	6.3	10.3	1.0	12.000		
OF	29.3	1.7	.00	.00	.00	.00	.00		
IF	117.0	2.0	.00	.00	.00	.00	.00		
IF	149.0	2.7	.00	.00	.00	.00	.00		
IF	156.0	2.4	.00	.00	.00	.00	.00		
IF	165.0	5.7	.00	.00	.00	.00	.00		
IF	191.0	8.8	.00	.00	.00	.00	.00		
IF	214.0	5.3	.00	.00	.00	.00	.00		
IF	243.0	3.8	.00	.00	.00	.00	.00		
IF	281.0	2.5	.00	.00	.00	.00	.00		
IF	311.0	2.2	.00	.00	.00	.00	.00		
IF	340.2	2.3	.00	.00	.00	.00	.00		
IF	341.0	3.8	.00	.00	.00	.00	.00		
IF	348.8	6.5	.00	.00	.00	.00	.00		
IF	367.7	5.5	.00	.00	.00	.00	.00		
IF	527.0	5.7	.00	.00	.00	.00	.00		
IF	581.0	6.0	.00	.00	.00	.00	.00		
IF	621.0	6.1	.00	.00	.00	.00	.00		
IF	674.0	6.4	.00	.00	.00	.00	.00		
ET	1000.0	1000.0	5.0	.00	.00	.00	.00		



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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 13  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP SLOPE FLAT OFFSHORE ONSHORE  
ELEVATION FACTOR CL ANGLE CL ANGLE  
-2.000 -99.000 6.000 32.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. OF PBP STILL TIDE SMALLEST  
NO. GR POINTS STATION WATER EL ELEVATION LATITUDE S-0.97  
13.000 26.000 -187.500 10.300 1.000 34.450 1.000 1.000 .000 .000

X2 RADIUS TO SEDIMENT F-G,E F-M TRANS END OF 10-YEAR WHAFIS NGVD-  
MAX WIND DIAMETER .800 .900 SPEED EROSION STILL EL OPTION MSL  
28.750 .400 11.500 674.000 6.300 1.000 -.500 .000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2050.000	-24.000	-1635.000	-18.000	-1220.000	-15.000	-1070.000	-12.000	-920.000
GR	-9.000	-835.000	-6.000	-750.000	-3.000	-375.000	-1.500	-187.500	.000	.000
GR	.500	11.000	7.100	121.000	9.800	140.000	13.500	171.000	10.400	195.000
GR	3.000	227.000	7.100	270.000	7.900	288.000	6.900	320.000	6.800	360.000
GR	6.500	466.000	6.900	509.000	6.000	592.000	4.900	670.000	4.600	713.000
GR	4.600	1000.000								



ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 13.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	.500	11.000	7.100	121.000	9.800	140.000	13.500	171.000
10.400	195.000	8.000	227.000	7.100	270.000	7.900	288.000	6.900	320.000
6.800	360.000	6.701	394.939	6.692	398.162	6.682	401.805	6.673	405.019
6.653	411.859	6.634	418.683	6.615	425.491	6.595	432.282	6.576	439.058
6.557	445.817	6.538	452.561	6.519	459.288	6.500	466.000	6.564	472.829
6.900	509.000	6.000	592.000	4.900	670.000	4.600	713.000	4.600	1000.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-0.788	.000	-0.551	11.000	2.581	121.000	3.862	140.000	5.618	171.000
4.147	195.000	3.008	227.000	2.581	270.000	2.960	288.000	2.486	320.000
2.438	360.000	2.392	394.939	4.406	398.162	6.682	401.805	6.673	405.019
6.653	411.859	6.634	418.683	6.615	425.491	6.595	432.282	6.576	439.058
6.557	445.817	6.538	452.561	6.519	459.288	6.500	466.000	6.564	472.829
6.900	509.000	6.000	592.000	4.900	670.000	4.600	713.000	4.600	1000.000

\*\*\* TRANESECT NUMBER 13.000 \*\*\* WAVE HEIGHT INPUT GENERATOR

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO.	13.000
1	1.000
2	2.000
3	3.000
4	4.000
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18	18.000
19	19.000
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22	22.000
23	23.000
24	24.000

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LISTING OF INPUT DATA

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T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 14  
T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

J1 PBP SLOPE FLAT OFFSHORE ONSHORE  
ELEVATION FACTOR CL ANGLE CL ANGLE  
-2.000 -99.000 6.000 32.000 .000 .000 .000 .000 .000 .000

X1 TRANSECT NO. OF GR POINTS PBP STATION STILL WATER EL TIDE ELEVATION LATITUDE SMALLEST S-0.97 TRACE  
14.000 24.000 -157.500 10.300 1.000 34.450 1.000 1.000 .000 .000

X2 RADIUS TO MAX WIND SEDIMENT DIAMETER F-G,E F-M TRANS SPEED END OF EROSION 10-YEAR STILL EL WHAFIS OPTION NGVD-MSL  
28.750 .400 .800 .900 11.500 674.000 6.300 1.000 -.500 .000

	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
GR	-30.000	-2190.000	-24.000	-1670.000	-18.000	-1150.000	-15.000	-1025.000	-12.000	-900.000
GR	-9.000	-765.000	-6.000	-630.000	-3.000	-315.000	-1.500	-157.500	.000	.000
GR	.400	3.000	6.800	98.000	11.800	120.000	14.800	143.000	8.600	166.000
GR	8.900	200.000	7.800	271.000	7.600	333.000	7.300	390.000	6.600	483.000
GR	6.300	542.000	5.400	621.000	5.400	744.000	5.400	1000.000		



ONSHORE SEGMENT OF TRANSECT  
 FROM PRE-STORM ZERO NGVD.  
 TRANSECT NO. 14.000

PRE-STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
.000	.000	.400	8.000	6.800	98.000	11.800	120.000	14.800	143.000
8.800	166.000	8.900	200.000	7.800	271.000	7.600	333.000	7.300	390.000
7.007	428.946	6.964	434.696	6.954	436.014	6.911	441.727	6.858	448.714
6.806	455.658	6.754	462.558	6.702	469.415	6.651	476.229	6.600	483.000
6.566	489.757	6.300	542.000	5.400	621.000	5.400	744.000	5.400	1000.000

AFTER STORM TRANSECT:

ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION
-.788	.000	-.598	8.000	2.438	98.000	4.811	120.000	6.235	143.000
3.293	166.000	3.435	200.000	2.913	271.000	2.818	333.000	2.676	390.000
2.537	428.946	6.130	434.696	6.954	436.014	6.911	441.727	6.858	448.714
6.806	455.658	6.754	462.558	6.702	469.415	6.651	476.229	6.600	483.000
6.566	489.757	6.300	542.000	5.400	621.000	5.400	744.000	5.400	1000.000

ADDITIONAL

INFORMATION



4









IE	END STATION .000	END ELEVATION - .800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
DF	END STATION 8.000	END ELEVATION - .600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
DF	END STATION 23.700	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 98.000	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 120.000	END ELEVATION 4.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 143.000	END ELEVATION 6.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 166.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 200.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 271.000	END ELEVATION 2.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 333.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 390.000	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 428.900	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 434.700	END ELEVATION 6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 436.000	END ELEVATION 7.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 441.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 448.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 455.700	END ELEVATION 6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 462.600	END ELEVATION 6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 469.400	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 476.200	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 483.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 489.800	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 542.000	END ELEVATION 6.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 521.000	END ELEVATION 5.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 5.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

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PART 2 HAVE HEIGHTS AND ELEVATIONS

LOCATION: HAVE HEIGHT HAVE ELEVATION

IE	.00	8.03	15.92
OF	8.00	8.03	15.92
OF	25.70	8.03	15.92
IF	98.00	6.16	14.61
IF	120.00	4.29	13.30
IF	143.00	3.20	12.54
IF	166.00	3.20	12.44
IF	200.00	3.20	12.24
IF	271.00	3.20	11.89
IF	333.00	3.20	11.44
IF	390.00	3.20	11.04
IF	428.90	3.20	10.69
IF	434.70	1.72	9.50
IF	436.00	1.01	9.01
IF	441.70	1.01	8.96
IF	448.70	1.01	8.91
IF	455.70	1.01	8.86
IF	462.60	1.01	8.81
IF	469.40	1.01	8.76
IF	476.20	1.01	8.71
IF	483.00	1.01	8.71
IF	489.80	1.01	8.66
IF	542.00	.94	8.36
IF	621.00	.94	7.91
IF	674.00	.94	7.66

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .94 WHICH EXCEEDS 0.5.

PART 3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART 4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
166.00	6.30	10.10
200.00	6.30	9.90
271.00	6.30	9.40
333.00	6.30	9.00
390.00	6.30	8.60
428.90	6.30	8.30
441.70	6.30	8.20
455.70	6.30	8.10
469.40	6.30	8.00
489.80	6.30	7.90
542.00	6.30	7.50
621.00	6.30	7.00

PART 5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
429.68	WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
49.08	15.50	V12 EL=16	60
99.90	14.50	V12 EL=15	60
116.69	13.50	V12 EL=14	60
		V12 EL=13	60

V12 EL=16

V12 EL=15

V12 EL=14

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143.00

12.54

V12 EL=13 60

151.88

12.50

V12 EL=12 60

166.00

12.44

V11 EL=12 55

200.00

12.24

V10 EL=12 50

→ 271.00

11.89

V 9 EL=12 45

324.79

11.50

V 8 EL=11 40

333.00

11.44

V 7 EL=11 35

390.00

11.04

V 6 EL=11 30

428.90

10.69

V 6 EL=11 30

429.68

10.40

A 4 EL=11 20

429.83

10.50

A 4 EL=10 20

434.70

9.50

A 4 EL= 9 20

436.00

9.01

A 4 EL= 9 20

441.70

8.96

A 4 EL= 9 20

448.70

8.91

A 4 EL= 9 20

455.70

8.86

A 4 EL= 9 20

V12 EL=13

V12  
EL=19

V12 EL=12

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V12 EL=11

A 4 EL=10

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462.60 8.81

A 4 EL= 9 20

469.40 8.76

A 4 EL= 9 20

483.00 8.71

A 4 EL= 9 20

489.80 8.66

A 4 EL= 9 20

517.19 8.50

A 4 EL= 8 20

542.00 8.36

A 4 EL= 8 20

NE 210 → 621.00 7.91

A 4 EL= 8 20

674.00 7.66

ZONE TERMINATED AT END OF TRANSECT

A4 EL= 9

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A4 EL= 8

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A4 EL= 8

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	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	21.800	.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	38.000	.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	75.000	1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	119.000	2.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	126.000	3.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	150.000	4.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	166.000	5.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	197.000	3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	242.000	2.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	316.000	3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	400.500	3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
IF	405.000	6.000	.000	.000	.000	.000	.000	.000	.000	.000
IF	408.800	8.400	.000	8.400	.000	.000	.000	.000	.000	.000
AS	413.200	8.400	.000	.000	.000	.000	.000	.000	.000	.000
AS	476.000	7.200	.000	7.200	.000	.000	.000	.000	.000	.000
IF	507.000	6.600	.000	.000	.000	.000	.000	.000	.000	.000
IF	574.000	6.600	.000	.000	.000	.000	.000	.000	.000	.000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	8.03 15.92
OF	21.80	8.03 15.92
IF	38.00	7.57 15.60
IF	75.00	6.55 14.89
IF	119.00	6.24 14.67
IF	126.00	5.15 13.90
IF	150.00	4.68 13.58
IF	166.00	3.59 12.81
IF	197.00	3.59 12.71
IF	242.00	3.59 12.41
IF	316.00	3.59 11.91
IF	400.50	3.59 11.31
IF	405.00	1.95 9.86
IF	408.80	.00 8.45
AS	413.20	.00 8.40
AS	476.00	.00 7.20
IF	507.00	.00 7.20
IF	674.00	.04 7.23

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 408.80 AND 413.20  
 BETWEEN 413.20 AND 476.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
197.00	6.30	10.10
242.00	6.30	9.70
316.00	6.30	9.10



400.50	6.30	8.50
408.80	6.30	8.40
476.00	6.30	7.20

PART 5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
402.12	WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
43.01	15.50		
		V12 EL=15	60
120.54	14.50		
		V12 EL=14	60
151.59	13.50		
		V12 EL=13	60
166.00	12.81		
		V12 EL=13	60
197.00	12.71		
		V11 EL=13	55
228.76	12.50		
		V10 EL=12	50
242.00	12.41		
		V 9 EL=12	45
316.00	11.91		
		V 8 EL=12	40
373.99	11.50		
		V 7 EL=11	35
400.50	11.31		

FINAL  
 DATED  
 3/2/11

V12 EL 16

V12 EL 15

V12 EL 14

V12 EL 13

V12 EL 12

V12 EL 11

402.12 10.60

V 7 EL=11 35

403.02 10.50

A 2 EL=11 10

405.00 9.86

A 2 EL=10 10

405.98 9.50

A 2 EL=10 10

408.67 8.50

A 2 EL= 9 10

408.80 8.45

A 2 EL= 8 10

413.20 8.40

V12 FL=11

SK 1000 → 476.00 7.20

ZONE B

A9 EL=7

674.00 7.23

A 2 EL= 7 10

MATCH A9 FL=8

A1 EL=7

ZONE TERMINATED AT END OF TRANSECT

OK



IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	WAVE INITIAL HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 26.200	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 63.000	END ELEVATION 1.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 124.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 125.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 202.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 222.000	END ELEVATION 7.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 243.000	END ELEVATION 5.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 273.000	END ELEVATION 3.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 336.000	END ELEVATION 3.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 361.600	END ELEVATION 3.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 367.400	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 370.300	END ELEVATION 9.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 376.000	END ELEVATION 8.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 384.600	END ELEVATION 8.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 416.000	END ELEVATION 8.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 488.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 543.000	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 588.000	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 674.000	END ELEVATION 10.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION WAVE HEIGHT WAVE ELEVATION

IE	.00	8.03	15.92
OF	26.20	8.03	15.92
IF	63.00	7.18	15.32
IF	103.00	6.32	14.72
IF	124.00	5.46	14.12
IF	125.00	5.38	14.07
IF	202.00	4.99	13.79
IF	222.00	2.57	12.10
IF	243.00	2.57	12.00
IF	273.00	2.57	11.80
IF	336.00	2.58	11.40
IF	361.60	2.58	11.00
IF	367.40	1.48	10.14
IF	370.30	.00	9.05
AS	376.00	.00	8.90
AS	384.60	.00	8.80
AS	416.00	.00	8.50
AS	488.00	.00	7.60
IF	543.00	.00	7.30
IF	588.00	.01	7.01
AS	674.00	-2.57	10.30

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	370.30 AND	376.00
BETWEEN	376.00 AND	384.60
BETWEEN	384.60 AND	416.00
BETWEEN	416.00 AND	488.00
BETWEEN	588.00 AND	674.00

PART 4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
243.00	6.30	10.10
273.00	6.30	9.90
336.00	6.30	9.30
361.60	6.30	9.10
370.30	6.30	9.00
488.00	6.30	7.60
543.00	6.30	7.00

PART 5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
218.48	WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
52.17	15.50		
		V12 EL=15	60
110.78	14.50		
		V12 EL=14	60
205.48	13.50		
		V12 EL=13	60
217.29	12.50		
		V12 EL=12	60
218.48	12.40		
		A 7 EL=12	35
222.00	12.10		
		A 7 EL=12	35

FINAL  
PRINTED  
2/11

V12 EL=16  
V12 EL=15  
V12 EL=14

V12 EL=13

A4 EL=12

A4 EL=12

243.00 12.00

273.00 11.80

320.88 11.50

336.00 11.40

361.60 11.00

364.98 10.50

367.40 10.14

369.10 9.50

370.30 9.05

376.00 8.90

384.60 8.80

416.00 8.50

56. 14.7 → 488.00 7.60

506.46 7.50

543.00 7.30

588.00 7.01

674.00 10.30

A 7 EL=12 35

A 7 EL=12 35

A 7 EL=11 35

A 7 EL=11 35

A 7 EL=11 35

A 7 EL=10 35

A 7 EL=10 35

A 7 EL= 9 35

A 7 EL= 8 35

A 7 EL= 7 35

A 7 EL= 7 35

A4 EL=12

A1 E 12

A9 EL=11

ZONE B

A1 E 7

MATCH

A9

EL-B

A11

57



ZONE TERMINATED AT END OF TRANSECT

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WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)  
 TRANSECT NO. 3,000

PART 1 INPUT

1	800	24	6	10	1			
2	700		3	3				
3	600		0	0				
4	500		0	0				
5	400		0	0				
6	300		0	0				
7	200		0	0				
8	100		0	0				
9	0		0	0				
10	0		0	0				
11	0		0	0				
12	0		0	0				
13	0		0	0				
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94	0		0	0				
95	0		0	0				
96	0		0	0				
97	0		0	0				
98	0		0	0				
99	0		0	0				
100	0		0	0				

	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	0.000	-0.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	28.900	.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	101.000	2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	108.000	2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	151.000	3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	167.000	4.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	234.000	5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	249.000	5.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	264.000	3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	295.000	3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	349.400	3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	355.000	6.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 357.700	END ELEVATION 8.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 363.100	END ELEVATION 8.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 413.000	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 527.000	END ELEVATION 7.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 639.000	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 6.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	8.03 15.92
OF	28.90	8.03 15.92
IF	101.00	6.47 14.83
IF	108.00	5.93 14.45
IF	151.00	4.99 13.79
IF	167.00	4.52 13.47
IF	234.00	3.67 12.87
IF	249.00	3.67 12.77
IF	264.00	3.67 12.52
IF	295.00	3.67 12.17
IF	349.40	3.67 11.52
IF	355.00	1.33 9.43
IF	357.70	.00 8.45
AS	363.10	.00 8.30
AS	413.00	.00 7.20
AS	527.00	.00 7.10
IF	639.00	.01 7.05
IF	674.00	.01 7.01

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 357.70 AND 363.10  
 BETWEEN 363.10 AND 413.00  
 BETWEEN 413.00 AND 527.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
249.00	6.30	10.10
264.00	6.30	9.80

295.00	6.30	9.40
349.40	6.30	8.50
357.70	6.30	8.40
527.00	6.30	7.10
639.00	6.30	7.00

PARTS LOCATION OF V ZONES  
STATION OF GUTTER                      LOCATION OF ZONE  
350.99                                      WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

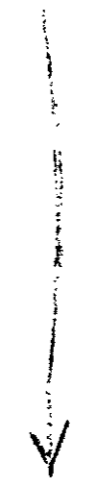
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
56.88	15.50		
		V12 EL=15	60
107.08	14.50		
		V12 EL=14	60
165.38	13.50		
		V12 EL=13	60
ROAD ON GARD → 234.00	12.87		
		V12 EL=13	60
249.00	12.77		
		V11 EL=13	55
264.00	12.52		
		V10 EL=13	50
265.43	12.50		
		V 9 EL=12	45
295.00	12.17		
		V 8 EL=12	40
349.40	11.52		

FINAL  
MAY 1964  
V12 EL=16  
V12 EL=15  
V12 EL=14  
V12 EL=13  
V11 EL=13  
V10 EL=13  
V 9 EL=12  
V 8 EL=12

349.44	11.50	V 7	EL=12	35
350.99	10.60	V 7	EL=11	35
352.13	10.50	A 2	EL=11	10
354.81	9.50	A 2	EL=10	10
355.00	9.43	A 2	EL= 9	10
357.56	8.50	A 2	EL= 9	10
357.70	8.45	A 2	EL= 8	10
363.10	8.30			
413.00	7.20			
527.00	7.10			
639.00	7.05	A 2	EL= 7	10
674.00	7.01	A 2	EL= 7	10

ZONE TERMINATED AT END OF TRANSECT

V17 FL=12



V17 FL=12

A9  
FL=8

7.05

MATCH  
A9 11-7

A11

011

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)  
TRANSECT NO. 4.000

PART1 INPUT

IEE.IFE.IFE.IFE.IFE.IFE.IFE.IFE.IFE.IFE  
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25.6000  
24.0000  
72.0000  
103.0000  
108.0000  
282.0000  
283.1000  
287.6000  
288.8000  
293.4000  
298.6000  
307.6000

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IE	END STATION .000	END ELEVATION - .800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 25.600	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 54.000	END ELEVATION .900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 72.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 1.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 108.000	END ELEVATION 1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 282.000	END ELEVATION 1.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 583.000	END ELEVATION 1.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 584.100	END ELEVATION 1.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 587.600	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 588.300	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 593.400	END ELEVATION 4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
	598.000	4.000	.000	.000	.000	.000	.000	.000	.000	.000
IF	602.600	4.000	.000	.000	.000	.000	.000	.000	.000	.000
IF	574.000	4.000	.000	.000	.000	.000	.000	.000	.000	.000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

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PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION WAVE HEIGHT WAVE ELEVATION

IE	.00	8.03	15.92
OF	25.60	8.03	15.92
IF	54.00	7.33	15.43
IF	72.00	5.85	14.40
IF	103.00	4.45	12.01
IF	108.00	3.98	10.03
IF	282.00	3.98	9.78
IF	583.00	3.98	9.78
IF	584.10	3.98	9.78
IF	587.60	2.34	8.64
IF	588.80	2.34	8.64
IF	593.40	2.34	8.64
IF	598.00	2.34	8.64
IF	602.60	2.34	8.64
IF	674.00	2.34	8.64

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = 2.34 WHICH EXCEEDS 0.5.

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
103.00	6.30	7.50
108.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER LOCATION OF ZONE  
586.19 WINDWARD

PART 6 - NUMBERED A ZONES AND V ZONES

STATION OF GUTTER    ELEVATION    ZONE DESIGNATION    FHF

.00	15.92		
		V12 EL=16	60
50.09	15.50		
		V12 EL=15	60
70.18	14.50		
		V10 EL=14	50
72.00	14.40		
		V 8 EL=14	40
83.64	13.50		
		V 8 EL=13	40
96.65	12.50		
		V 6 EL=12	30
103.00	12.01		
		V 3 EL=12	15
104.30	11.50		
		V 3 EL=11	15
106.82	10.50		
		V 3 EL=10	15
→ 108.00	10.03		
		V 2 EL=10	10
584.97	9.50		
		V 2 EL= 9	10
586.19	9.10		
		A 5 EL= 9	25
674.00	8.64		

1170  
ZONE TERMINATED AT END OF TRANSECT

FINAL  
ELEVATION  
GROUP

V12 EL=16

V12 EL=15

V12 EL 14

V12 EL=12

V12 EL=10

A4 EL 9

MAP 4  
A4 EL 9

11. 10. 10

V12 EL=14

V12 EL=10

11. 10. 10

A4 EL 9

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	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	12.000	-.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	15.300	.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	57.000	2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	66.000	4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	76.000	6.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	96.000	3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	108.000	3.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	130.000	3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	149.000	5.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	167.000	3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	215.000	2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 439.600	END ELEVATION 2.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 446.900	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 447.000	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 454.300	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 461.700	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 469.100	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 476.500	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 483.900	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 491.300	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 498.700	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 506.100	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 513.500	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 520.900	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

AS	END STATION 528.300	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 535.700	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 543.100	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 550.500	END ELEVATION 7.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



## PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION		WAVE HEIGHT	WAVE ELEVATION
IE	.00	8.03	15.92
OF	12.00	8.03	15.92
OF	15.30	8.03	15.92
IF	57.00	6.32	14.72
IF	66.00	4.91	13.74
IF	76.00	3.12	12.48
IF	96.00	3.12	11.48
IF	108.00	2.89	9.82
IF	130.00	2.89	9.32
IF	149.00	1.64	8.45
IF	167.00	1.64	8.45
IF	215.00	1.64	8.45
IF	439.60	1.67	8.47
IF	446.90	.00	7.30
AS	447.00	.00	7.30
AS	454.30	.00	7.30
AS	461.70	.00	7.30
AS	469.10	.00	7.30
AS	476.50	.00	7.30
AS	483.90	.00	7.30
AS	491.30	.00	7.30
AS	498.70	.00	7.30
AS	506.10	.00	7.30
AS	513.50	.00	7.30
AS	520.90	.00	7.30
AS	528.30	.00	7.30
AS	535.70	.00	7.30
AS	543.10	.00	7.30

AS 550.50 .00 7.30

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 446.90 AND 447.00  
BETWEEN 447.00 AND 454.30  
BETWEEN 454.30 AND 461.70  
BETWEEN 461.70 AND 469.10  
BETWEEN 469.10 AND 476.50  
BETWEEN 476.50 AND 483.90  
BETWEEN 483.90 AND 491.30  
BETWEEN 491.30 AND 498.70  
BETWEEN 498.70 AND 506.10  
BETWEEN 506.10 AND 513.50  
BETWEEN 513.50 AND 520.90  
BETWEEN 520.90 AND 528.30  
BETWEEN 528.30 AND 535.70  
BETWEEN 535.70 AND 543.10  
BETWEEN 543.10 AND 550.50

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
96.00	6.30	8.30
108.00	6.30	7.30

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
102.15	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
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.00 15.92

FINAL  
MAILED  
7/2/55

30.01	15.50	V12 EL=16	60
59.04	14.50	V12 EL=15	60
67.91	13.50	V12 EL=14	60
75.87	12.50	V12 EL=13	60
76.00	12.48	V11 EL=12	55
95.68	11.50	V 9 EL=12	45
96.00	11.48	V 7 EL=11	35
102.15	9.90	V 5 EL=11	25
103.10	10.50	A 4 EL=11	20
>108.00	9.82	A 4 EL=10	20
122.09	9.50	A 4 EL=10	20
147.84	8.50	A 4 EL= 9	20
445.65	7.50	A 4 EL= 8	20
446.90	7.30	A 4 EL= 7	20
447.00	7.30		
454.30	7.30		

V12 EL=16  
V12 EL=15  
V12 EL=14  
V12 EL=13  
V12 EL=12  
V12 EL=11  
V12 EL=11  
A4 EL=11  
A4 EL=10  
A4 EL=10  
A4 EL=9  
A4 EL=8  
A4 EL=7  
A4 EL=7

V12 EL=16  
V12 EL=15  
V12 EL=14  
V12 EL=11  
A4 EL=10  
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461.70 7.30

469.10 7.30

476.50 7.30

483.90 7.30

491.30 7.30

498.70 7.30

506.10 7.30

513.50 7.30

520.90 7.30

528.30 7.30

535.70 7.30

543.10 7.30

550.50 7.30

ZONE TERMINATED AT END OF TRANSECT



	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	12.000	-.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	20.600	.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	60.000	1.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	76.000	2.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	86.000	5.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	100.000	5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	115.000	5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	131.000	3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	145.000	4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	154.000	3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	170.000	3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 199.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 222.000	END ELEVATION 4.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 247.000	END ELEVATION 3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 275.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 361.800	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 368.500	END ELEVATION 7.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 369.500	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 376.200	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 383.800	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 391.500	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 399.100	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 406.800	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 414.400	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

AS	END STATION 422.100	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 429.700	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 437.400	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 445.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 452.700	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 460.300	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 469.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 475.600	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



ADDITIONAL

INFORMATION

5

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	8.03
OF	12.00	8.03
OF	20.60	8.03
IF	60.00	6.94
IF	76.00	5.77
IF	86.00	4.13
IF	100.00	3.43
IF	115.00	3.43
IF	131.00	3.43
IF	145.00	2.73
IF	154.00	2.73
IF	170.00	2.73
IF	199.00	2.73
IF	222.00	1.95
IF	247.00	1.95
IF	275.00	1.95
IF	361.80	1.95
IF	368.50	.00
AS	369.50	-.47
AS	376.20	-.47
AS	383.80	-.47
AS	391.50	-.47
AS	399.10	-.47
AS	406.80	-.47
AS	414.40	-.47
AS	422.10	-.47
AS	429.70	-.47
AS	437.40	-.47

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AS	465.00	- .47	7.60
AS	452.70	- .67	7.60
AS	460.30	- .47	7.60
AS	468.00	- .47	7.60
AS	475.60	- .47	7.60

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	368.50 AND	369.50
BETWEEN	369.50 AND	376.20
BETWEEN	376.20 AND	383.80
BETWEEN	383.80 AND	391.50
BETWEEN	391.50 AND	399.10
BETWEEN	399.10 AND	406.80
BETWEEN	406.80 AND	414.40
BETWEEN	414.40 AND	422.10
BETWEEN	422.10 AND	429.70
BETWEEN	429.70 AND	437.40
BETWEEN	437.40 AND	445.00
BETWEEN	445.00 AND	452.70
BETWEEN	452.70 AND	460.30
BETWEEN	460.30 AND	468.00
BETWEEN	468.00 AND	475.60

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
115.00	6.30	9.60
131.00	6.30	8.80
145.00	6.30	8.20
154.00	6.30	7.80
170.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER 139.62 LOCATION OF ZONE WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92	V12 EL=16	60
42.44	15.50	V12 EL=15	60
72.88	14.50	V12 EL=14	60
83.33	13.50	V12 EL=13	60
100.00	12.70	V11 EL=13	55
108.67	12.50	V10 EL=12	50
115.00	12.35	V 8 EL=12	40
131.00	11.60	V 7 EL=12	35
132.20	11.50	V 7 EL=11	35
139.62	10.60	A 5 EL=11	25
143.95	10.50	A 5 EL=10	25
145.00	10.41	A 5 EL=10	25
154.00	9.91		

V12 EL=16

V12 EL=15

V12 EL=14

V12 EL=12

A4 EL=11

FINAL  
 PART 5  
 PART 6

V12 EL=16

V12 EL=14

V12 EL=12

A4 EL=10

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164.96 9.50

A 5 EL=10 25

A4 EL=11

SR 156B → 170.00 9.31

A 5 EL= 9 25

A4 EL=10

216.31 8.50

A 5 EL= 9 25

A4 EL=9

366.05 7.50

A 5 EL= 8 25

A4 EL=8

A4 EL=7

368.50 7.00

A 5 EL= 7 25

ZONE  
B

369.50 7.60

376.20 7.60

383.80 7.60

391.50 7.60

399.10 7.60

406.80 7.60

414.40 7.60

422.10 7.60

429.70 7.60

437.40 7.60

445.00 7.60

452.70 7.60

460.30 7.60

468.00 7.60

475.60

7.60

ZONE TERMINATED AT END OF TRANSECT

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IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 12.000	END ELEVATION -.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 22.100	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 77.000	END ELEVATION 2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 95.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 5.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 103.000	END ELEVATION 4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 142.000	END ELEVATION 5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 154.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 182.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 209.000	END ELEVATION 3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 233.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000



	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
AS	390.800	7.400	.000	.000	.000	.000	.000	.000	.000	.000
IF	397.700	7.100	.000	7.100	.000	.000	.000	.000	.000	.000
IF	404.500	6.800	.000	6.900	.000	.000	.000	.000	.000	.000
IF	411.000	6.500	.000	6.800	.000	.000	.000	.000	.000	.000
IF	418.100	6.700	.000	6.700	.000	.000	.000	.000	.000	.000
AS	471.000	8.500	.000	.000	.000	.000	.000	.000	.000	.000
AS	674.000	8.500	.000	.000	.000	.000	.000	.000	.000	.000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	8.03 15.92
DF	12.00	8.03 15.92
OF	22.10	8.03 15.92
IF	77.00	6.47 14.83
IF	95.00	4.76 13.63
IF	103.00	3.82 12.98
IF	108.00	3.82 12.98
IF	142.00	3.82 12.98
IF	154.00	2.65 12.16
IF	182.00	2.65 12.16
IF	209.00	2.65 12.16
IF	233.00	2.66 12.16
IF	251.00	2.66 12.16
IF	310.00	2.66 12.17
IF	310.10	2.66 12.17
IF	319.60	.00 10.30
AS	323.80	.00 10.30
AS	325.20	.00 10.20
AS	334.50	.00 9.80
AS	343.40	.00 9.40
AS	352.00	.00 9.10
AS	360.30	.00 8.70
AS	368.30	.00 8.40
AS	376.10	.00 8.00
AS	383.50	.00 7.70
AS	390.80	.00 7.40
IF	397.70	.00 8.70
IF	404.50	.00 7.00

IF	411.00	.00	6.85
IF	418.10	.00	6.75
AS	471.00	-1.40	8.50
AS	674.00	-1.40	8.50

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN	319.60	AND	323.80
BETWEEN	323.80	AND	325.20
BETWEEN	325.20	AND	334.50
BETWEEN	334.50	AND	343.40
BETWEEN	343.40	AND	352.00
BETWEEN	352.00	AND	360.30
BETWEEN	360.30	AND	368.30
BETWEEN	368.30	AND	376.10
BETWEEN	376.10	AND	383.50
BETWEEN	383.50	AND	390.80
BETWEEN	418.10	AND	471.00
BETWEEN	471.00	AND	674.00

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
397.70	6.30	7.10
404.50	6.30	6.90
411.00	6.30	6.80
418.10	6.30	6.70

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
150.43	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER ELEVATION ZONE DESIGNATION FHF

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
43.41	15.50		
		V12 EL=15	60
81.97	14.50		
		V12 EL=14	60
96.59	13.50		
		V12 EL=13	60
148.97	12.50		
		V12 EL=12	60
150.43	12.40		
→251		A 7 EL=12	35
313.49	11.50		
		A 7 EL=11	35
318.58	10.50		
		A 7 EL=10	35
319.60	10.30		
323.80	10.30		
325.20	10.20		
334.50	9.80		
343.40	9.40		
352.00	9.10		
360.30	8.70		
368.30	8.40		
376.10	8.00		
383.50	7.70		

V12 FL=16

V12 EL=15

V12 FL=14

A 7 FL=12

FOUND E

FINAL  
MAPS  
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V12 FL=15

V12 EL=14

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390.80	7.40	A 7	EL = 7	35
391.33	7.50	A 7	EL = 8	35
396.64	8.50	A 7	EL = 9	35
397.70	8.70	A 7	EL = 9	35
398.50	8.50	A 7	EL = 8	35
402.50	7.50	A 7	EL = 7	35
404.50	7.00	A 7	EL = 7	35
411.00	6.85	A 7	EL = 7	35
418.10	6.75			
471.00	8.50			
674.00	8.50			

A 7 EL = 9

A 9

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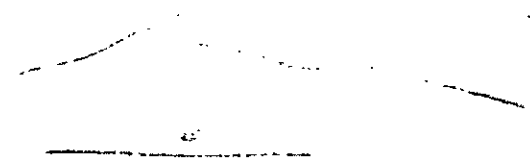
MATCH  
ZONE B

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NC 210 →

OK

ZONE TERMINATED AT END OF TRANSECT







WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)  
 TRANSECT NO. 8.000

PART1 INPUT

IF	.000	- .800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	10.000	- .300	.000	.000	.000	1.000	.000	.000	.000	.000
OF	15.400	.000	.000	.000	.000	1.000	.000	.000	.000	.000
IF	00.000	2.200	.000	.000	.000	.000	.000	.000	.000	.000
IF	86.000	3.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	105.000	5.100	.000	.000	.000	.000	.000	.000	.000	.000
IF	110.000	6.200	.000	.000	.000	.000	.000	.000	.000	.000
IF	125.000	4.200	.000	.000	.000	.000	.000	.000	.000	.000
IF	139.000	4.700	.000	.000	.000	.000	.000	.000	.000	.000
IF	151.000	9.100	.000	10.300	.000	.000	.000	.000	.000	.000
IF	167.000	8.600	.000	10.100	.000	.000	.000	.000	.000	.000
IF	178.000	5.600	.000	9.900	.000	.000	.000	.000	.000	.000
IF	204.000	2.600	.000	9.500	.000	.000	.000	.000	.000	.000
IF	208.000	2.500	.000	9.400	.000	.000	.000	.000	.000	.000
IF	307.000	2.400	.000	7.900	.000	.000	.000	.000	.000	.000
IF	327.000	1.900	.000	7.600	.000	.000	.000	.000	.000	.000
IF	338.000	1.300	.000	7.400	.000	.000	.000	.000	.000	.000
IF	351.000	2.300	.000	7.300	.000	.000	.000	.000	.000	.000
IF	373.000	2.500	.000	7.000	.000	.000	.000	.000	.000	.000
IF	496.700	2.500	.000	.000	.000	.000	.000	.000	.000	.000
IF	498.000	3.300	.000	.000	.000	.000	.000	.000	.000	.000
IF	503.700	0.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	505.100	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	512.100	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	519.200	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	526.300	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	533.300	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	540.400	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	547.400	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	554.500	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	561.500	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	568.600	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	575.700	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	582.800	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	589.800	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	596.900	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	503.900	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	511.000	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	518.100	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	525.100	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	532.200	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	539.300	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	546.300	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	553.400	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	560.400	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	567.500	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	574.000	6.900	.000	.000	.000	.000	.000	.000	.000	.000
ET	1000.000	1000.000	5.000	.000	.000	.000	.000	.000	.000	.000

IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 10.000	END ELEVATION -.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 15.400	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 60.000	END ELEVATION 2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 36.000	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 105.000	END ELEVATION 5.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 110.000	END ELEVATION 6.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 125.000	END ELEVATION 4.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 139.000	END ELEVATION 4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 151.000	END ELEVATION 9.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 167.000	END ELEVATION 8.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 178.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
IF	204.000	2.600	.000	9.500	.000	.000	.000	.000	.000	.000
IF	208.000	2.500	.000	9.400	.000	.000	.000	.000	.000	.000
IF	307.000	2.400	.000	7.900	.000	.000	.000	.000	.000	.000
IF	327.000	1.900	.000	7.600	.000	.000	.000	.000	.000	.000
IF	338.000	1.300	.000	7.400	.000	.000	.000	.000	.000	.000
IF	351.000	2.300	.000	7.300	.000	.000	.000	.000	.000	.000
IF	373.000	2.500	.000	7.000	.000	.000	.000	.000	.000	.000
IF	496.700	2.500	.000	.000	.000	.000	.000	.000	.000	.000
IF	493.000	3.300	.000	.000	.000	.000	.000	.000	.000	.000
IF	503.700	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	505.100	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	512.100	6.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	519.200	6.900	.000	.000	.000	.000	.000	.000	.000	.000

IF	END STATION 526.300	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 533.300	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 540.400	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 547.400	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 554.500	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 561.600	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 568.600	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 575.700	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 582.800	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 589.800	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 596.900	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 603.900	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
	END	END	NEW SURGE	NEW SURGE						AVERAGE

IF	STATION 511.000	ELEVATION 6.900	10-YEAR .000	100-YEAR .000	.000	.000	.000	.000	.000	A-ZONES .000
IF	END STATION 518.100	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 625.100	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 632.200	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 639.300	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 646.300	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 653.400	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 660.400	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 667.500	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

## PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION            WAVE HEIGHT    WAVE ELEVATION

IE	.00	8.03	15.92
OF	10.00	8.03	15.92
OF	15.40	8.03	15.92
IF	60.00	6.32	14.72
IF	86.00	4.99	13.79
IF	105.00	4.06	13.14
IF	110.00	3.20	12.54
IF	125.00	3.20	12.54
IF	139.00	3.20	12.54
IF	151.00	.94	10.96
IF	167.00	.94	10.86
IF	178.00	.94	10.66
IF	204.00	.99	10.39
IF	208.00	1.00	10.15
IF	307.00	1.19	9.48
IF	327.00	1.20	8.59
IF	338.00	1.21	8.35
IF	351.00	1.21	8.20
IF	373.00	1.22	8.01
IF	496.70	1.25	7.88
IF	498.00	1.25	7.88
IF	503.70	.08	7.05
IF	505.10	.08	7.05
IF	512.10	.08	7.05
IF	519.20	.08	7.05
IF	526.30	.08	7.05
IF	533.30	.08	7.05
IF	540.40	.08	7.05

IF	547.40	.08	7.05
IF	554.50	.08	7.05
IF	561.60	.08	7.05
IF	568.60	.08	7.05
IF	575.70	.08	7.05
IF	582.80	.08	7.05
IF	589.80	.08	7.05
IF	596.90	.08	7.05
IF	603.90	.08	7.05
IF	611.00	.08	7.05
IF	618.10	.08	7.05
IF	625.10	.08	7.05
IF	632.20	.08	7.05
IF	639.30	.08	7.05
IF	646.30	.08	7.05
IF	653.40	.08	7.05
IF	660.40	.08	7.05
IF	667.50	.08	7.05
IF	674.00	.08	7.05

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
167.00	6.30	10.10
178.00	6.30	9.90
204.00	6.30	9.50
208.00	6.30	9.40
307.00	6.30	7.90
327.00	6.30	7.60

338.00	6.30	7.40
351.00	6.30	7.30
373.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
140.05	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
31.14	15.50		
		V12 EL=15	60
66.24	14.50		
		V12 EL=14	60
94.54	13.50		
		V12 EL=13	60
139.29	12.50		
		V12 EL=12	60
140.05	12.40		
		A 4 EL=12	20
146.87	11.50		
		A 4 EL=11	20
151.00	10.96		
		A 4 EL=11	20
167.00	10.86		
		A 4 EL=11	20
178.00	10.66		
		A 4 EL=11	20
193.41	10.50		

*FINAL*  
*11-16*

*V12 11-16*

*V12 11-14*

*A4 11*



204.00	10.39	A 4	EL=10	20
208.00	10.15	A 4	EL=10	20
304.73	9.50	A 4	EL=10	20
307.00	9.48	A 4	EL= 9	20
327.00	8.59	A 4	EL= 9	20
331.11	8.50	A 4	EL= 9	20
338.00	8.35	A 4	EL= 8	20
351.00	8.20	A 4	EL= 8	20
373.00	8.01	A 4	EL= 8	20
500.62	7.50	A 4	EL= 8	20
674.00	7.05	A 4	EL= 7	20

A4 FL=10

A4 FL=7

A4 FL=6

11/11/68

A4 FL=5

ZONE TERMINATED AT END OF TRANSECT





	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	1.000	-.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	19.900	.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	81.000	2.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	104.000	4.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	108.000	6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	126.000	8.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	136.000	5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	147.000	4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	155.000	4.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	223.000	3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	395.000	2.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.600	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
IF	453.000	2.000	.000	7.000	.000	.000	.000	.000	.000	.000
IF	486.700	2.000	.000	.000	.000	.000	.000	.000	.000	.000
IF	489.600	3.800	.000	.000	.000	.000	.000	.000	.000	.000
IF	492.900	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	495.300	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	502.000	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	508.300	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	514.500	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	520.700	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	526.900	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	533.200	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	539.400	5.900	.000	.000	.000	.000	.000	.000	.000	.000
IF	545.600	5.900	.000	.000	.000	.000	.000	.000	.000	.000

IF	END STATION 551.800	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 558.000	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 564.300	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 570.500	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 576.700	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 582.900	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 589.100	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 595.400	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 601.600	END ELEVATION 5.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION WAVE HEIGHT WAVE ELEVATION

IE	.00	8.03	15.92
OF	1.00	8.03	15.92
OF	19.90	8.03	15.92
IF	81.00	6.32	14.72
IF	104.00	4.68	13.58
IF	108.00	3.28	12.59
IF	126.00	1.25	11.17
IF	136.00	1.25	11.12
IF	147.00	1.25	11.03
IF	155.00	1.26	10.93
IF	223.00	1.30	10.56
IF	395.00	1.37	9.41
IF	453.00	1.39	8.27
IF	486.70	1.40	7.98
IF	489.60	1.40	7.98
IF	492.90	.86	7.60
IF	495.80	.86	7.60
IF	502.00	.86	7.60
IF	508.30	.86	7.60
IF	514.50	.86	7.60
IF	520.70	.86	7.60
IF	526.90	.86	7.60
IF	533.20	.86	7.60
IF	539.40	.86	7.60
IF	545.60	.86	7.60
IF	551.80	.86	7.60
IF	558.00	.86	7.60
IF	564.30	.86	7.60

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

IF	570.50	.86	7.60
IF	576.70	.86	7.60
IF	582.90	.86	7.60
IF	589.10	.86	7.60
IF	595.40	.86	7.60
IF	601.60	.86	7.60

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .86 WHICH EXCEEDS 0.5.

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
136.00	6.30	10.20
147.00	6.30	10.10
155.00	6.30	10.00
223.00	6.30	9.30
395.00	6.30	7.60
453.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
110.45	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
41.46	15.50		
		V12 EL=15	60
85.47	14.50		

*Handwritten notes:*  
V12 EL=16  
V12 EL=15



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3  
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43  
44

	104.31	13.50
	109.18	12.50
	110.45	12.40
	121.86	11.50
	126.00	11.17
	136.00	11.12
	147.00	11.03
ROAD ON CURVE →	155.00	10.93
	223.00	10.56
	231.56	10.50
	381.37	9.50
	395.00	9.41
	441.43	8.50
NE VIG →	453.00	8.27
	601.60	7.60

V12	EL=14	60
V12	EL=13	60
V12	EL=12	60
A 6	EL=12	30
A 6	EL=11	30
A 6	EL=11	30
A 6	EL=11	30
A 6	EL=11	30
A 6	EL=11	30
A 6	EL=10	30
A 6	EL= 9	30
A 6	EL= 9	30
A 6	EL= 8	30
A 6	EL= 8	30

V12 EL=14  
V12 EL=13  
V12 EL=12  
A 6 EL=12  
A 6 EL=11  
A 6 EL=11  
A 6 EL=11  
A 6 EL=11  
A 6 EL=11  
A 6 EL=10  
A 6 EL= 9  
A 6 EL= 9  
A 6 EL= 8  
A 6 EL= 8

V12 EL=14  
A 6 EL=12  
A 6 EL=11  
A 6 EL=11  
A 6 EL=11  
A 6 EL=10  
A 6 EL= 9  
A 6 EL= 9  
A 6 EL= 8  
A 6 EL= 8

ZONE TERMINATED AT END OF TRANSECT



IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 9.000	END ELEVATION -.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	END STATION 24.300	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 73.000	END ELEVATION 2.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 92.000	END ELEVATION 4.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 102.000	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 115.000	END ELEVATION 9.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 141.000	END ELEVATION 9.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 154.000	END ELEVATION 7.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 179.000	END ELEVATION 4.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 199.000	END ELEVATION 3.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 216.000	END ELEVATION 3.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						AVERAGE A-ZONES
IF	257.200	2.800	.000	7.800	.000	.000	.000	.000	.000	.000
IF	263.000	6.500	.000	7.700	.000	.000	.000	.000	.000	.000
IF.	264.600	7.500	.000	7.500	.000	.000	.000	.000	.000	.000
AS	270.400	7.400	.000	7.400	.000	.000	.000	.000	.000	.000
IF	462.000	5.100	.000	7.100	.000	.000	.000	.000	.000	.000
IF	504.000	5.600	.000	7.000	.000	.000	.000	.000	.000	.000
IF	674.000	5.600	.000	.000	.000	.000	.000	.000	.000	.000

-----END OF TRANSECT-----

NOTE:  
 SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	8.03
OF	9.00	8.03
OF	24.30	8.03
IF	73.00	6.40
IF	92.00	4.60
IF	102.00	2.96
IF	115.00	.62
IF	141.00	.31
IF	154.00	.31
IF	179.00	.35
IF	199.00	.38
IF	216.00	.42
IF	257.20	.49
IF	263.00	.50
IF	264.60	.00
AS	270.40	.00
IF	462.00	.07
IF	504.00	.09
IF	674.00	.18

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE  
 BETWEEN 264.60 AND 270.40

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
154.00	6.30	10.10
179.00	6.30	9.50
199.00	6.30	9.00

216.00	6.30	8.70
257.20	6.30	7.80
263.00	6.30	7.70
264.60	6.30	7.50
270.40	6.30	7.40
462.00	6.30	7.10
504.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
101.78	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
42.30	15.50		
		V12 EL=15	60
77.19	14.50		
		V12 EL=14	60
92.19	13.50		
		V12 EL=13	60
100.91	12.50		
		V12 EL=12	60
101.78	12.40		
		A 3 EL=12	15
108.94	11.50		
		A 3 EL=11	15
141.00	10.52		
		A 3 EL=11	15
143.42	10.50		

V12 EL=16

V12 EL=15

V12 EL=14

A 3 EL=11

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154.00	10.42
179.00	10.04
199.00	9.52
199.83	9.50
216.00	9.14
257.20	8.60
258.32	8.50
263.00	8.10
264.60	7.60
270.40	7.40
462.00	7.30
504.00	7.12
674.00	7.13

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A 3	EL=10	15
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A4 EL=9

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	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	12.000	-.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	34.100	.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	112.000	2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	141.000	4.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	147.000	4.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	165.000	6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	177.000	6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	195.000	3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	212.000	3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	264.000	3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	306.000	3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 351.000	END ELEVATION 3.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 383.000	END ELEVATION 3.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 407.100	END ELEVATION 3.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 410.900	END ELEVATION 5.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 415.200	END ELEVATION 8.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 418.900	END ELEVATION 8.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 426.900	END ELEVATION 8.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 434.800	END ELEVATION 7.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 442.600	END ELEVATION 7.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 450.300	END ELEVATION 7.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 458.000	END ELEVATION 7.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 465.700	END ELEVATION 7.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
AS	END STATION 571.000	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

AS	END STATION 674.000	END ELEVATION 7.200	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
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END OF TRANSECT  
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NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE	.00	15.92
OF	12.00	15.92
OF	34.10	15.92
IF	112.00	14.61
IF	141.00	13.41
IF	147.00	13.25
IF	165.00	12.32
IF	177.00	12.27
IF	195.00	12.12
IF	212.00	11.97
IF	264.00	11.72
IF	306.00	11.32
IF	351.00	10.92
IF	383.00	10.62
IF	407.10	10.42
IF	410.90	9.83
IF	415.20	8.25
AS	418.90	8.10
AS	426.90	8.00
AS	434.80	7.90
AS	442.60	7.90
AS	450.30	7.80
AS	458.00	7.70
AS	465.70	7.70
AS	571.00	7.20
AS	674.00	7.20

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 415.20 AND 418.90  
 BETWEEN 418.90 AND 426.90  
 BETWEEN 426.90 AND 434.80  
 BETWEEN 434.80 AND 442.60  
 BETWEEN 442.60 AND 450.30  
 BETWEEN 450.30 AND 458.00  
 BETWEEN 458.00 AND 465.70  
 BETWEEN 465.70 AND 571.00  
 BETWEEN 571.00 AND 674.00

PART 4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
177.00	6.30	10.20
195.00	6.30	10.00
212.00	6.30	9.90
264.00	6.30	9.50
306.00	6.30	9.10
351.00	6.30	8.70
383.00	6.30	8.50
407.10	6.30	8.30
415.20	6.30	8.20

PART 5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
163.45	WINDWARD

PART 6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92	V12 EL=16	60
59.29	15.50	V12 EL=16	

114.74	14.50
138.88	13.50
161.51	12.50
163.45	12.40
165.00	12.32
177.00	12.27
195.00	12.12
>212.00	11.97
264.00	11.72
287.39	11.50
306.00	11.32
351.00	10.92
383.00	10.62
397.82	10.50
407.10	10.42

V12	EL=15	60
V12	EL=14	60
V12	EL=13	60
V12	EL=12	60
A 8	EL=12	40
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A 8	EL=12	40
A 8	EL=11	40
A 8	EL=11	40
A 8	EL=11	40
A 8	EL=10	40
A 8	EL=10	40

V12 EL=15

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V12 EL=14

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A 8 EL=12

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A 8 EL=11

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A 8 EL=10

FINAL

V12 EL=15

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V12 EL=14

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A 8 EL=12

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A 8 EL=11

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A 8 EL=10

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410.90	9.83	A 8 EL=10	40
411.80	9.50	A 8 EL=9	40
414.52	8.50	A 8 EL=8	40
415.20	8.25		
418.90	8.10		
426.90	8.00		
434.80	7.90		
442.60	7.90		
450.30	7.80		
458.00	7.70		
465.70	7.70		
571.00	7.20		
674.00	7.20		

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ZONE TERMINATED AT END OF TRANSECT

NOTE

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A4 EL=9

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	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD			AVERAGE A-ZONES
IE	.000	-.800	24.000	6.300	10.300	.000	.000	.000	.000	.000
OF	5.000	-.700	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
OF	29.300	.000	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	117.000	2.700	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	149.000	4.400	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	156.000	5.700	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	165.000	8.700	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	191.000	5.800	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	214.000	4.300	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	243.000	3.800	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	281.000	2.500	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	311.000	2.200	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

ADDITIONAL

INFORMATION

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IF	END STATION 340.200	END ELEVATION 2.300	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 341.000	END ELEVATION 2.800	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 346.800	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 347.700	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 527.000	END ELEVATION 5.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 581.000	END ELEVATION 6.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 521.000	END ELEVATION 6.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 674.000	END ELEVATION 6.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

LOCATION	WAVE HEIGHT	WAVE ELEVATION
IE .00	8.03	15.92
OF 5.00	8.03	15.92
OF 29.30	8.03	15.92
IF 117.00	5.93	14.45
IF 149.00	4.60	13.52
IF 156.00	3.59	12.81
IF 165.00	1.25	11.17
IF 191.00	1.25	11.07
IF 214.00	1.26	10.88
IF 243.00	1.27	10.69
IF 281.00	1.30	10.46
IF 311.00	1.33	10.18
IF 340.20	1.35	9.95
IF 341.00	1.35	9.85
IF 346.80	1.35	9.85
IF 347.70	1.35	9.85
IF 527.00	1.33	9.08
IF 581.00	.78	7.75
IF 621.00	.70	7.49
IF 674.00	.47	7.33

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
191.00	6.30	10.10
214.00	6.30	9.90

243.00	6.30	9.70
281.00	6.30	9.40
311.00	6.30	9.10
340.20	6.30	8.90
527.00	6.30	7.40
581.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
158.26	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
.00	15.92		
		V12 EL=16	60
54.51	15.50		
		V12 EL=15	60
114.00	14.50		
		V12 EL=14	60
149.21	13.50		
		V12 EL=13	60
157.71	12.50		
		V12 EL=12	60
158.26	12.40		
		A 6 EL=12	30
163.21	11.50		
		A 6 EL=11	30
165.00	11.17		
		A 6 EL=11	30
191.00	11.07		
		A 6 EL=11	30

V12 EL=16

V12 EL=15

V12 EL=14

A4 EL=12

*F. D. H. L.*  
*MARRIS*  
*2001*

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214.00	10.88	A 6	EL=11	30
243.00	10.69	A 6	EL=11	30
274.05	10.50	A 6	EL=10	30
281.00	10.46	A 6	EL=10	30
311.00	10.18	A 6	EL=10	30
340.20	9.95	A 6	EL=10	30
347.70	9.85	A 6	EL=10	30
428.78	9.50	A 6	EL=9	30
527.00	9.08	A 6	EL=9	30
550.44	8.50	A 6	EL=8	30
581.00	7.75	A 6	EL=8	30
619.65	7.50	A 6	EL=7	30
674.00	7.33			

ZONE TERMINATED AT END OF TRANSECT

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IE	END STATION .000	END ELEVATION -.800	FETCH LENGTH 24.000	SURGE ELEV 10-YEAR 6.300	SURGE ELEV 100-YEAR 10.300	INITIAL WAVE HEIGHT .000	INITIAL W. PERIOD .000	.000	.000	AVERAGE A-ZONES .000
DF	END STATION 11.000	END ELEVATION -.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
DF	END STATION 30.400	END ELEVATION .000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	1.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 121.000	END ELEVATION 2.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 140.000	END ELEVATION 3.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 171.000	END ELEVATION 5.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 195.000	END ELEVATION 4.100	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 10.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 227.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 270.000	END ELEVATION 2.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 288.000	END ELEVATION 3.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 320.000	END ELEVATION 2.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 9.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 360.000	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.800	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 394.900	END ELEVATION 2.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.500	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 398.200	END ELEVATION 4.400	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.400	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 401.800	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 405.000	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 411.900	END ELEVATION 6.700	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 418.700	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.300	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 425.500	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 432.300	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 439.100	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.200	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 445.800	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 452.600	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.100	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 459.300	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 8.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 466.000	END ELEVATION 6.500	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

IF	END STATION 472.800	END ELEVATION 6.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.900	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 509.000	END ELEVATION 6.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.700	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 592.000	END ELEVATION 6.000	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR 7.000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 570.000	END ELEVATION 4.900	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000
IF	END STATION 574.000	END ELEVATION 4.600	NEW SURGE 10-YEAR .000	NEW SURGE 100-YEAR .000	.000	.000	.000	.000	.000	AVERAGE A-ZONES .000

-----END OF TRANSECT-----

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART 2 WAVE HEIGHTS AND ELEVATIONS

LOCATION WAVE HEIGHT WAVE ELEVATION

IE	.00	8.03	15.92
OF	11.00	8.03	15.92
OF	30.40	8.03	15.92
IF	121.00	6.01	14.50
IF	140.00	4.99	13.79
IF	171.00	3.67	12.87
IF	195.00	3.67	12.77
IF	227.00	3.67	12.57
IF	270.00	3.67	12.27
IF	288.00	3.67	12.02
IF	320.00	3.67	11.82
IF	360.00	3.67	11.52
IF	394.90	3.67	11.22
IF	398.20	3.12	10.63
IF	401.80	1.33	9.33
IF	405.00	1.33	9.33
IF	411.90	1.33	9.33
IF	418.70	1.33	9.28
IF	425.50	1.33	9.23
IF	432.30	1.33	9.23
IF	439.10	1.25	9.12
IF	445.80	1.25	9.07
IF	452.60	1.25	9.02
IF	459.30	1.17	8.87
IF	466.00	1.17	8.82
IF	472.80	1.01	8.66
IF	509.00	.62	8.24
IF	592.00	.62	7.79

IF 670.00 .63 7.44  
 IF 674.00 .63 7.44  
 TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .63 WHICH EXCEEDS 0.5.

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
195.00	6.30	10.10
227.00	6.30	9.90
270.00	6.30	9.50
288.00	6.30	9.40
320.00	6.30	9.10
360.00	6.30	8.80
394.90	6.30	8.50
398.20	6.30	8.40
418.70	6.30	8.30
439.10	6.30	8.20
452.60	6.30	8.10
459.30	6.30	8.00
472.80	6.30	7.90
509.00	6.30	7.70
592.00	6.30	7.00

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
398.44	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
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.00	15.92
57.45	15.50
121.11	14.50
149.83	13.50
171.00	12.87
195.00	12.77
227.00	12.57
236.49	12.50
<i>Read in table</i> → 270.00	12.27
288.00	12.02
320.00	11.82
360.00	11.52
361.88	11.50
394.90	11.22
398.20	10.63
398.44	10.50

V12	EL=16	60
V12	EL=15	60
V12	EL=14	60
V12	EL=13	60
V12	EL=13	60
V11	EL=13	55
V11	EL=13	55
V10	EL=12	50
V 9	EL=12	45
V 9	EL=12	45
V 8	EL=12	40
V 7	EL=12	35
V 7	EL=11	35
V 7	EL=11	35
V 7	EL=11	35
A 4	EL=11	20

V12 EL=16

V12 EL=15

V12 EL=14

V12 EL=13

V12 EL=12

V12 EL=11

V1

V12

V1

398.57 10.50

A 4 EL=10 20

401.33 9.50

A 4 EL= 9 20

A4 EL=10 A4  
IL=10

411.90 9.33

A 4 EL= 9 20

418.70 9.28

A 4 EL= 9 20

432.30 9.23

A 4 EL= 9 20

439.10 9.12

A 4 EL= 9 20

445.80 9.07

A 4 EL= 9 20

452.60 9.02

A 4 EL= 9 20

A4 EL=1

459.30 8.87

A 4 EL= 9 20

466.00 8.82

A 4 EL= 9 20

472.80 8.66

A 4 EL= 9 20

486.48 8.50

A 4 EL= 8 20

509.00 8.24

A 4 EL= 8 20

A4 EL=8 A4

MC → 592.00 7.79

A 4 EL= 8 20

656.14 7.50

A 4 EL= 7 20

MATCH A4 EL=7 A4 IL=7

674.00 7.44

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