

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)

Executed on: Wed Feb 26 13:21:30 2020

Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\Additional_Transects\3_whafis\whafis4\CM-144-1.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\Additional_Transects\3_whafis\whafis4\CM-144-1.out

header

THIS IS A 100-YEAR CASE
THE FOLLOWING NON-DEFAULT WIND SPEEDS ARE BEING USED
WINDIF 56.14 WINDOF 56.14 WINDVH 60.00

PART1 INPUT

IE	0.000	-15.740	1.000	1.000	8.804	11.111	10.000	56.140	0.069	0.000
OF	1.000	-15.671	0.000	8.804	0.000	0.000	0.000	0.000	0.069	0.000
OF	2.000	-15.602	0.000	8.804	0.000	0.000	0.000	0.000	0.069	0.000
OF	3.000	-15.533	0.000	8.804	0.000	0.000	0.000	0.000	0.069	0.000
OF	4.000	-15.464	0.000	8.804	0.000	0.000	0.000	0.000	0.069	0.000
OF	5.000	-15.395	0.000	8.804	0.000	0.000	0.000	0.000	0.069	0.000
OF	6.000	-15.326	0.000	8.804	0.000	0.000	0.000	0.000	0.068	0.000
OF	7.000	-15.258	0.000	8.804	0.000	0.000	0.000	0.000	0.068	0.000
OF	8.000	-15.189	0.000	8.804	0.000	0.000	0.000	0.000	0.069	0.000
OF	9.000	-15.120	0.000	8.804	0.000	0.000	0.000	0.000	0.109	0.000
OF	10.000	-14.970	0.000	8.805	0.000	0.000	0.000	0.000	0.176	0.000
OF	11.000	-14.767	0.000	8.806	0.000	0.000	0.000	0.000	0.203	0.000
OF	12.000	-14.564	0.000	8.807	0.000	0.000	0.000	0.000	0.203	0.000
OF	13.000	-14.362	0.000	8.808	0.000	0.000	0.000	0.000	0.203	0.000
OF	14.000	-14.159	0.000	8.809	0.000	0.000	0.000	0.000	0.203	0.000
OF	15.000	-13.956	0.000	8.810	0.000	0.000	0.000	0.000	0.203	0.000
OF	16.000	-13.753	0.000	8.811	0.000	0.000	0.000	0.000	0.203	0.000
OF	17.000	-13.550	0.000	8.812	0.000	0.000	0.000	0.000	0.203	0.000
OF	18.000	-13.348	0.000	8.813	0.000	0.000	0.000	0.000	0.203	0.000
OF	19.000	-13.144	0.000	8.814	0.000	0.000	0.000	0.000	0.203	0.000
OF	20.000	-12.942	0.000	8.815	0.000	0.000	0.000	0.000	0.203	0.000
OF	21.000	-12.739	0.000	8.816	0.000	0.000	0.000	0.000	0.203	0.000
OF	22.000	-12.536	0.000	8.817	0.000	0.000	0.000	0.000	0.203	0.000
OF	23.000	-12.333	0.000	8.818	0.000	0.000	0.000	0.000	0.203	0.000
OF	24.000	-12.131	0.000	8.818	0.000	0.000	0.000	0.000	0.203	0.000
OF	25.000	-11.928	0.000	8.819	0.000	0.000	0.000	0.000	0.203	0.000
OF	26.000	-11.725	0.000	8.821	0.000	0.000	0.000	0.000	0.203	0.000
OF	27.000	-11.522	0.000	8.821	0.000	0.000	0.000	0.000	0.203	0.000
OF	28.000	-11.319	0.000	8.822	0.000	0.000	0.000	0.000	0.203	0.000
OF	29.000	-11.117	0.000	8.823	0.000	0.000	0.000	0.000	0.203	0.000
OF	30.000	-10.914	0.000	8.824	0.000	0.000	0.000	0.000	0.203	0.000
OF	31.000	-10.711	0.000	8.825	0.000	0.000	0.000	0.000	0.203	0.000
OF	32.000	-10.508	0.000	8.826	0.000	0.000	0.000	0.000	0.203	0.000
OF	33.000	-10.305	0.000	8.827	0.000	0.000	0.000	0.000	0.203	0.000
OF	34.000	-10.103	0.000	8.828	0.000	0.000	0.000	0.000	0.203	0.000
OF	35.000	-9.900	0.000	8.829	0.000	0.000	0.000	0.000	0.203	0.000
OF	36.000	-9.697	0.000	8.830	0.000	0.000	0.000	0.000	0.203	0.000
OF	37.000	-9.495	0.000	8.831	0.000	0.000	0.000	0.000	0.203	0.000
OF	38.000	-9.292	0.000	8.832	0.000	0.000	0.000	0.000	0.203	0.000
OF	39.000	-9.089	0.000	8.833	0.000	0.000	0.000	0.000	0.203	0.000
OF	40.000	-8.886	0.000	8.834	0.000	0.000	0.000	0.000	0.203	0.000
OF	41.000	-8.683	0.000	8.835	0.000	0.000	0.000	0.000	0.203	0.000
OF	42.000	-8.481	0.000	8.836	0.000	0.000	0.000	0.000	0.203	0.000
OF	43.000	-8.277	0.000	8.837	0.000	0.000	0.000	0.000	0.203	0.000
OF	44.000	-8.075	0.000	8.838	0.000	0.000	0.000	0.000	0.203	0.000
OF	45.000	-7.872	0.000	8.839	0.000	0.000	0.000	0.000	0.203	0.000
OF	46.000	-7.669	0.000	8.840	0.000	0.000	0.000	0.000	0.203	0.000
OF	47.000	-7.466	0.000	8.841	0.000	0.000	0.000	0.000	0.203	0.000
OF	48.000	-7.264	0.000	8.842	0.000	0.000	0.000	0.000	0.203	0.000
OF	49.000	-7.061	0.000	8.842	0.000	0.000	0.000	0.000	0.203	0.000
OF	50.000	-6.858	0.000	8.844	0.000	0.000	0.000	0.000	0.203	0.000
OF	51.000	-6.655	0.000	8.844	0.000	0.000	0.000	0.000	0.203	0.000
OF	52.000	-6.452	0.000	8.845	0.000	0.000	0.000	0.000	0.203	0.000
OF	53.000	-6.250	0.000	8.846	0.000	0.000	0.000	0.000	0.203	0.000
OF	54.000	-6.046	0.000	8.847	0.000	0.000	0.000	0.000	0.203	0.000
OF	55.000	-5.844	0.000	8.848	0.000	0.000	0.000	0.000	0.203	0.000
OF	56.000	-5.641	0.000	8.849	0.000	0.000	0.000	0.000	0.203	0.000
OF	57.000	-5.438	0.000	8.850	0.000	0.000	0.000	0.000	0.203	0.000
OF	58.000	-5.235	0.000	8.851	0.000	0.000	0.000	0.000	0.203	0.000
OF	59.000	-5.032	0.000	8.852	0.000	0.000	0.000	0.000	0.203	0.000
OF	60.000	-4.830	0.000	8.853	0.000	0.000	0.000	0.000	0.203	0.000
OF	61.000	-4.627	0.000	8.854	0.000	0.000	0.000	0.000	0.203	0.000
OF	62.000	-4.424	0.000	8.855	0.000	0.000	0.000	0.000	0.203	0.000
OF	63.000	-4.221	0.000	8.856	0.000	0.000	0.000	0.000	0.203	0.000
OF	64.000	-4.019	0.000	8.857	0.000	0.000	0.000	0.000	0.203	0.000
OF	65.000	-3.816	0.000	8.858	0.000	0.000	0.000	0.000	0.203	0.000
OF	66.000	-3.613	0.000	8.859	0.000	0.000	0.000	0.000	0.203	0.000
OF	67.000	-3.410	0.000	8.860	0.000	0.000	0.000	0.000	0.203	0.000
OF	68.000	-3.207	0.000	8.861	0.000	0.000	0.000	0.000	0.203	0.000
OF	69.000	-3.005	0.000	8.862	0.000	0.000	0.000	0.000	0.203	0.000
OF	70.000	-2.801	0.000	8.863	0.000	0.000	0.000	0.000	0.203	0.000
OF	71.000	-2.599	0.000	8.864	0.000	0.000	0.000	0.000	0.203	0.000
OF	72.000	-2.396	0.000	8.865	0.000	0.000	0.000	0.000	0.203	0.000
OF	73.000	-2.193	0.000	8.866	0.000	0.000	0.000	0.000	0.203	0.000
OF	74.000	-1.990	0.000	8.866	0.000	0.000	0.000	0.000	0.206	0.000
OF	75.000	-1.782	0.000	8.868	0.000	0.000	0.000	0.000	0.208	0.000
OF	76.000	-1.574	0.000	8.869	0.000	0.000	0.000	0.000	0.208	0.000
OF	77.000	-1.365	0.000	8.870	0.000	0.000	0.000	0.000	0.208	0.000
OF	78.000	-1.157	0.000	8.872	0.000	0.000	0.000	0.000	0.208	0.000
OF	79.000	-0.949	0.000	8.873	0.000	0.000	0.000	0.000	0.208	0.000
OF	80.000	-0.740	0.000	8.874	0.000	0.000	0.000	0.000	0.208	0.000
OF	81.000	-0.532	0.000	8.876	0.000	0.000	0.000	0.000	0.208	0.000
OF	82.000	-0.324	0.000	8.877	0.000	0.000	0.000	0.000	0.208	0.000
OF	83.000	-0.115	0.000	8.878	0.000	0.000	0.000	0.000	-0.226	0.000
OF	91.900	-2.560	0.000	8.805	0.000	0.000	0.000	0.000	-0.205	0.000
OF	95.100	-2.593	0.000	8.811	0.000	0.000	0.000	0.000	0.061	0.000
OF	98.400	-2.162	0.000	8.810	0.000	0.000	0.000	0.000	0.131	0.000
OF	101.700	-1.732	0.000	8.810	0.000	0.000	0.000	0.000	0.131	0.000
OF	105.000	-1.301	0.000	8.811	0.000	0.000	0.000	0.000	0.131	0.000
OF	108.300	-0.870	0.000	8.813	0.000	0.000	0.000	0.000	0.180	0.000
OF	111.500	-0.131	0.000	8.812	0.000	0.000	0.000	0.000	0.281	0.000
IF	114.800	0.953	0.000	8.809	0.000	0.000	0.000	0.000	0.329	0.000
IF	118.100	2.038	0.000	8.812	0.000	0.000	0.000	0.000	0.329	0.000

[illegible]

	END	END	FETCH	SURGE	ELEV	SURGE	ELEV	INITIAL	INITIAL		BOTTOM	AVERAGE
IE	STATION	ELEVATION	LENGTH	10-YEAR	100-YEAR	WAVE	HEIGHT	W. PERIOD			SLOPE	A-ZONES
	0.000	-15.740	1.000	1.000	8.804	11.111	10.000	56.140			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	1.000	-15.671	0.000	8.804	0.000	0.000	0.000	0.000			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	2.000	-15.602	0.000	8.804	0.000	0.000	0.000	0.000			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	3.000	-15.533	0.000	8.804	0.000	0.000	0.000	0.000			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	4.000	-15.464	0.000	8.804	0.000	0.000	0.000	0.000			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	5.000	-15.395	0.000	8.804	0.000	0.000	0.000	0.000			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	6.000	-15.326	0.000	8.804	0.000	0.000	0.000	0.000			0.068	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	7.000	-15.258	0.000	8.804	0.000	0.000	0.000	0.000			0.068	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	8.000	-15.189	0.000	8.804	0.000	0.000	0.000	0.000			0.069	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	9.000	-15.120	0.000	8.804	0.000	0.000	0.000	0.000			0.109	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	10.000	-14.970	0.000	8.805	0.000	0.000	0.000	0.000			0.176	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	11.000	-14.767	0.000	8.806	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	12.000	-14.564	0.000	8.807	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	13.000	-14.362	0.000	8.808	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	14.000	-14.159	0.000	8.809	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	15.000	-13.956	0.000	8.810	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	16.000	-13.753	0.000	8.811	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	17.000	-13.550	0.000	8.812	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	18.000	-13.348	0.000	8.813	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	19.000	-13.144	0.000	8.814	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	20.000	-12.942	0.000	8.815	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	21.000	-12.739	0.000	8.816	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	22.000	-12.536	0.000	8.817	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	23.000	-12.333	0.000	8.818	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	24.000	-12.131	0.000	8.818	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	25.000	-11.928	0.000	8.819	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	26.000	-11.725	0.000	8.821	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	27.000	-11.522	0.000	8.821	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	28.000	-11.319	0.000	8.822	0.000	0.000	0.000	0.000			0.203	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES

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OF	29.000	-11.117	0.000	8.823	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	30.000	-10.914	0.000	8.824	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	31.000	-10.711	0.000	8.825	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	32.000	-10.508	0.000	8.826	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	33.000	-10.305	0.000	8.827	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	34.000	-10.103	0.000	8.828	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	35.000	-9.900	0.000	8.829	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	36.000	-9.697	0.000	8.830	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	37.000	-9.495	0.000	8.831	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	38.000	-9.292	0.000	8.832	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	39.000	-9.089	0.000	8.833	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	40.000	-8.886	0.000	8.834	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	41.000	-8.683	0.000	8.835	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	42.000	-8.481	0.000	8.836	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	43.000	-8.277	0.000	8.837	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	44.000	-8.075	0.000	8.838	0.000	0.000	0.000	0.000	0.203	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	45.000	-7.872	0.000	8.839	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE						

OF	63.000	-4.221	0.000	8.856	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	64.000	-4.019	0.000	8.857	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	65.000	-3.816	0.000	8.858	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	66.000	-3.613	0.000	8.859	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	67.000	-3.410	0.000	8.860	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	68.000	-3.207	0.000	8.861	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	69.000	-3.005	0.000	8.862	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	70.000	-2.801	0.000	8.863	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	71.000	-2.599	0.000	8.864	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	72.000	-2.396	0.000	8.865	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	73.000	-2.193	0.000	8.866	0.000	0.000	0.000	0.000	0.203	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	74.000	-1.990	0.000	8.866	0.000	0.000	0.000	0.000	0.206	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	75.000	-1.782	0.000	8.868	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	76.000	-1.574	0.000	8.869	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	77.000	-1.365	0.000	8.870	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	78.000	-1.157	0.000	8.872	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	79.000	-0.949	0.000	8.873	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	80.000	-0.740	0.000	8.874	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	81.000	-0.532	0.000	8.876	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	82.000	-0.324	0.000	8.877	0.000	0.000	0.000	0.000	0.208	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	83.000	-0.115	0.000	8.878	0.000	0.000	0.000	0.000	-0.226	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	91.900	-2.560	0.000	8.805	0.000	0.000	0.000	0.000	-0.205	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	95.100	-2.593	0.000	8.811	0.000	0.000	0.000	0.000	0.061	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	98.400	-2.162	0.000	8.810	0.000	0.000	0.000	0.000	0.131	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	101.700	-1.732	0.000	8.810	0.000	0.000	0.000	0.000	0.131	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	105.000	-1.301	0.000	8.811	0.000	0.000	0.000	0.000	0.131	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	108.300	-0.870	0.000	8.813	0.000	0.000	0.000	0.000	0.180	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	111.500	-0.131	0.000	8.812	0.000	0.000	0.000	0.000	0.281	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	114.800	0.953	0.000	8.809	0.000	0.000	0.000	0.000	0.329	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	118.100	2.038	0.000	8.812	0.000	0.000	0.000	0.000	0.329	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	121.400	3.123	0.000	8.825	0.000	0.000	0.000	0.000	0.329	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	124.700	4.207	0.000	8.845	0.000	0.000	0.000	0.000	0.329	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	128.000	5.292	0.000	9.028	0.000	0.000	0.000	0.000	0.334	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	131.200	-6.377	0.000	9.303	0.000	0.000	0.000	0.000	0.309	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES

IF	134.500	7.299	0.000	9.545	0.000	0.000	0.000	0.000	0.225	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	137.800	7.858	0.000	9.698	0.000	0.000	0.000	0.000	0.169	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	141.100	8.417	0.000	9.848	0.000	0.000	0.000	0.000	0.169	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	144.400	8.976	0.000	10.002	0.000	0.000	0.000	0.000	0.172	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	147.600	9.536	0.000	10.160	0.000	0.000	0.000	0.000	0.172	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	150.900	10.095	0.000	10.324	0.000	0.000	0.000	0.000	0.168	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	152.300	10.324	0.000	10.324	0.000	0.000	0.000	0.000	0.163	0.000
-----END OF TRANSECT-----										

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

1

PART2: CONTROLLING WAVE HEIGHTS, SPECTRAL			
PEAK WAVE PERIOD, AND WAVE CREST ELEVATIONS			
LOCATION		CONTROLLING	SPECTRAL PEAK
		WAVE HEIGHT	WAVE PERIOD
IE	0.00	11.11	10.00
OF	1.00	11.12	10.00
OF	2.00	11.13	10.00
OF	3.00	11.14	10.00
OF	4.00	11.15	10.00
OF	5.00	11.15	10.00
OF	6.00	11.16	10.00
OF	7.00	11.17	10.00
OF	8.00	11.18	10.00
OF	9.00	11.19	10.00
OF	10.00	11.21	10.00
OF	11.00	11.24	10.00
OF	12.00	11.26	10.00
OF	13.00	11.29	10.00
OF	14.00	11.32	10.00
OF	15.00	11.35	10.00
OF	16.00	11.38	10.00
OF	17.00	11.41	10.00
OF	18.00	11.44	10.00
OF	19.00	11.47	10.00
OF	20.00	11.50	10.00
OF	21.00	11.53	10.00
OF	22.00	11.56	10.00
OF	23.00	11.59	10.00
OF	24.00	11.62	10.00
OF	25.00	11.66	10.00
OF	26.00	11.69	10.00
OF	27.00	11.73	10.00
OF	28.00	11.76	10.00
OF	29.00	11.80	10.00
OF	30.00	11.81	10.00
OF	31.00	11.79	10.00
OF	32.00	11.76	10.00
OF	33.00	11.74	10.00
OF	34.00	11.71	10.00
OF	35.00	11.68	10.00
OF	36.00	11.66	10.00
OF	37.00	11.63	10.00
OF	38.00	11.60	10.00
OF	39.00	11.57	10.00
OF	40.00	11.54	10.00
OF	41.00	11.51	10.00
OF	42.00	11.48	10.00
OF	43.00	11.44	10.00
OF	44.00	11.41	10.00
OF	45.00	11.38	10.00
OF	46.00	11.35	10.00
OF	47.00	11.31	10.00
OF	48.00	11.28	10.00
OF	49.00	11.24	10.00
OF	50.00	11.20	10.00
OF	51.00	11.17	10.00
OF	52.00	11.13	10.00
OF	53.00	11.16	10.00
OF	54.00	11.11	10.00
OF	55.00	10.96	10.00
OF	56.00	10.82	10.00
OF	57.00	10.67	10.00
OF	58.00	10.53	10.00
OF	59.00	10.38	10.00
OF	60.00	10.24	10.00
OF	61.00	10.09	10.00
OF	62.00	9.95	10.00
OF	63.00	9.80	10.00
OF	64.00	9.66	10.00
OF	65.00	9.51	10.00
OF	66.00	9.37	10.00
OF	67.00	9.22	10.00
OF	68.00	9.08	10.00
OF	69.00	8.93	10.00
OF	70.00	8.78	10.00
OF	71.00	8.64	10.00
OF	72.00	8.49	10.00
OF	73.00	8.34	10.00
OF	74.00	8.19	10.00

OF	75.00	8.04	10.00	14.50
OF	76.00	7.89	10.00	14.39
OF	77.00	7.74	10.00	14.29
OF	78.00	7.59	10.00	14.18
OF	79.00	7.44	10.00	14.08
OF	80.00	7.28	10.00	13.97
OF	81.00	7.13	10.00	13.87
OF	82.00	6.98	10.00	13.76
OF	83.00	6.83	10.00	13.66
OF	91.90	7.23	10.00	13.87
OF	95.10	7.24	10.00	13.88
OF	98.40	7.18	10.00	13.84
OF	101.70	7.11	10.00	13.79
OF	105.00	7.04	10.00	13.74
OF	108.30	6.97	10.00	13.69
OF	111.50	6.79	10.00	13.56
IF	114.80	5.98	10.00	13.00
IF	118.10	5.18	10.00	12.44
IF	121.40	4.37	10.00	11.88
IF	124.70	3.57	10.00	11.34
IF	128.00	2.88	10.00	11.04
IF	131.20	2.26	10.00	10.89
IF	134.50	1.74	10.00	10.76
IF	137.80	1.43	10.00	10.70
IF	141.10	1.11	10.00	10.63
IF	144.40	0.80	10.00	10.56
IF	147.60	0.49	10.00	10.50
IF	150.90	0.18	10.00	10.45
IF	152.30	0.01	10.00	10.33

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
10.00	1.00	8.81
11.00	1.00	8.81
12.00	1.00	8.81
13.00	1.00	8.81
14.00	1.00	8.81
15.00	1.00	8.81
16.00	1.00	8.81
17.00	1.00	8.81
18.00	1.00	8.81
19.00	1.00	8.81
20.00	1.00	8.81
21.00	1.00	8.82
22.00	1.00	8.82
23.00	1.00	8.82
25.00	1.00	8.82
26.00	1.00	8.82
28.00	1.00	8.82
29.00	1.00	8.82
30.00	1.00	8.82
31.00	1.00	8.82
32.00	1.00	8.83
33.00	1.00	8.83
34.00	1.00	8.83
35.00	1.00	8.83
36.00	1.00	8.83
37.00	1.00	8.83
38.00	1.00	8.83
39.00	1.00	8.83
40.00	1.00	8.83
41.00	1.00	8.84
42.00	1.00	8.84
43.00	1.00	8.84
44.00	1.00	8.84
45.00	1.00	8.84
46.00	1.00	8.84
47.00	1.00	8.84
48.00	1.00	8.84
50.00	1.00	8.84
52.00	1.00	8.85
53.00	1.00	8.85
54.00	1.00	8.85
55.00	1.00	8.85
56.00	1.00	8.85
57.00	1.00	8.85
58.00	1.00	8.85
59.00	1.00	8.85
60.00	1.00	8.85
61.00	1.00	8.85
62.00	1.00	8.85
63.00	1.00	8.86
64.00	1.00	8.86
65.00	1.00	8.86
66.00	1.00	8.86
67.00	1.00	8.86
68.00	1.00	8.86
69.00	1.00	8.86
70.00	1.00	8.86
71.00	1.00	8.86
72.00	1.00	8.86
73.00	1.00	8.87
75.00	1.00	8.87
76.00	1.00	8.87
77.00	1.00	8.87
78.00	1.00	8.87
79.00	1.00	8.87
80.00	1.00	8.87
81.00	1.00	8.88
82.00	1.00	8.88
83.00	1.00	8.88

91.90	1.00	8.81
95.10	1.00	8.81
98.40	1.00	8.81
105.00	1.00	8.81
108.30	1.00	8.81
111.50	1.00	8.81
114.80	1.00	8.81
118.10	1.00	8.81
121.40	1.00	8.82
124.70	1.00	8.85
128.00	1.00	9.03
131.20	1.00	9.30
134.50	1.00	9.55
137.80	1.00	9.70
141.10	1.00	9.85
144.40	1.00	10.00
147.60	1.00	10.16
150.90	1.00	10.32

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
127.43	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
0.00	16.58		
9.00	16.64	V22 EL=17	120
10.00	16.65	V22 EL=17	120
11.00	16.67	V22 EL=17	120
12.00	16.69	V22 EL=17	120
13.00	16.71	V22 EL=17	120
14.00	16.73	V22 EL=17	120
15.00	16.75	V22 EL=17	120
16.00	16.77	V22 EL=17	120
17.00	16.80	V22 EL=17	120
18.00	16.82	V22 EL=17	120
19.00	16.84	V22 EL=17	120
20.00	16.86	V22 EL=17	120
21.00	16.89	V22 EL=17	120
22.00	16.91	V22 EL=17	120
23.00	16.93	V22 EL=17	120
24.00	16.96	V22 EL=17	120
25.00	16.98	V22 EL=17	120
26.00	17.01	V22 EL=17	120
27.00	17.03	V22 EL=17	120
28.00	17.05	V22 EL=17	120
29.00	17.08	V22 EL=17	120
30.00	17.09	V22 EL=17	120
31.00	17.08	V22 EL=17	120
32.00	17.06	V22 EL=17	120
33.00	17.04	V22 EL=17	120
34.00	17.03	V22 EL=17	120
35.00	17.01	V22 EL=17	120
36.00	16.99	V22 EL=17	120
37.00	16.97	V22 EL=17	120
38.00	16.95	V22 EL=17	120
39.00	16.93	V22 EL=17	120
40.00	16.91	V22 EL=17	120
41.00	16.89	V22 EL=17	120
42.00	16.87	V22 EL=17	120
43.00	16.85	V22 EL=17	120
44.00	16.83	V22 EL=17	120
45.00	16.80	V22 EL=17	120
46.00	16.78	V22 EL=17	120
47.00	16.76		

		V22	EL=17	120
48.00	16.74			
49.00	16.71	V22	EL=17	120
50.00	16.69	V22	EL=17	120
51.00	16.66	V22	EL=17	120
52.00	16.63	V22	EL=17	120
53.00	16.66	V22	EL=17	120
54.00	16.62	V22	EL=17	120
55.00	16.52	V22	EL=17	120
55.21	16.50	V22	EL=16	120
56.00	16.42	V22	EL=16	120
57.00	16.32	V22	EL=16	120
58.00	16.22	V22	EL=16	120
59.00	16.12	V22	EL=16	120
60.00	16.02	V22	EL=16	120
61.00	15.92	V22	EL=16	120
62.00	15.82	V22	EL=16	120
63.00	15.72	V22	EL=16	120
64.00	15.62	V22	EL=16	120
65.00	15.52	V22	EL=16	120
65.17	15.50	V22	EL=15	120
66.00	15.42	V22	EL=15	120
67.00	15.32	V22	EL=15	120
68.00	15.21	V22	EL=15	120
69.00	15.11	V22	EL=15	120
70.00	15.01	V22	EL=15	120
71.00	14.91	V22	EL=15	120
72.00	14.81	V22	EL=15	120
73.00	14.71	V22	EL=15	120
74.00	14.60	V22	EL=15	120
74.98	14.50	V22	EL=14	120
75.00	14.50	V22	EL=14	120
76.00	14.39	V22	EL=14	120
77.00	14.29	V22	EL=14	120
78.00	14.18	V22	EL=14	120
79.00	14.08	V22	EL=14	120
80.00	13.97	V22	EL=14	120
81.00	13.87	V22	EL=14	120
82.00	13.76	V22	EL=14	120
83.00	13.66	V22	EL=14	120
91.90	13.87	V22	EL=14	120
95.10	13.88	V22	EL=14	120
98.40	13.84	V22	EL=14	120
101.70	13.79	V22	EL=14	120
105.00	13.74	V22	EL=14	120
108.30	13.69	V22	EL=14	120
111.50	13.56	V22	EL=14	120
111.87	13.50	V22	EL=13	120
114.80	13.00	V22	EL=13	120
117.72	12.50	V22	EL=12	120
118.10	12.44	V22	EL=12	120
121.40	11.88			

123.74	11.50	V22	EL=12	120
124.70	11.34	V22	EL=11	120
127.43	11.04	V22	EL=11	120
128.00	11.04	A19	EL=11	95
131.20	10.89	A19	EL=11	95
134.50	10.76	A19	EL=11	95
137.80	10.70	A19	EL=11	95
141.10	10.63	A19	EL=11	95
144.40	10.56	A19	EL=11	95
147.60	10.50	A19	EL=11	95
147.60	10.50	A19	EL=11	95
150.90	10.45	A19	EL=10	95
152.30	10.33	A19	EL=10	95

ZONE TERMINATED AT END OF TRANSECT
 PART 7 POSTSCRIPT NOTES
 PS# 1 START(422364.6654,4845890.3094)
 PS# 2 END(422315.9586,4845909.2882)

-1.000000e+00