

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

Executed on: Thu Apr 16 13:27:11 2020

Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Portland\3_whafis\whafis4\CM-53-1.dat

Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Portland\3_whafis\whafis4\CM-53-1.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	-7.446	1.000	1.000	9.073	2.690	8.300	56.140	0.023	0.000
OF	1.000	-7.422	0.000	9.073	0.000	0.000	0.000	0.000	0.023	0.000
OF	2.000	-7.399	0.000	9.074	0.000	0.000	0.000	0.000	0.023	0.000
OF	3.000	-7.376	0.000	9.074	0.000	0.000	0.000	0.000	0.023	0.000
OF	4.000	-7.353	0.000	9.075	0.000	0.000	0.000	0.000	0.023	0.000
OF	5.000	-7.330	0.000	9.076	0.000	0.000	0.000	0.000	0.023	0.000
OF	6.000	-7.306	0.000	9.076	0.000	0.000	0.000	0.000	0.023	0.000
OF	7.000	-7.283	0.000	9.077	0.000	0.000	0.000	0.000	0.023	0.000
OF	8.000	-7.260	0.000	9.077	0.000	0.000	0.000	0.000	0.023	0.000
OF	9.000	-7.237	0.000	9.078	0.000	0.000	0.000	0.000	0.023	0.000
OF	10.000	-7.213	0.000	9.078	0.000	0.000	0.000	0.000	0.023	0.000
OF	11.000	-7.190	0.000	9.079	0.000	0.000	0.000	0.000	0.023	0.000
OF	12.000	-7.167	0.000	9.080	0.000	0.000	0.000	0.000	0.023	0.000
OF	13.000	-7.144	0.000	9.080	0.000	0.000	0.000	0.000	0.023	0.000
OF	14.000	-7.121	0.000	9.081	0.000	0.000	0.000	0.000	0.023	0.000
OF	15.000	-7.097	0.000	9.081	0.000	0.000	0.000	0.000	0.023	0.000
OF	16.000	-7.074	0.000	9.082	0.000	0.000	0.000	0.000	0.023	0.000
OF	17.000	-7.051	0.000	9.082	0.000	0.000	0.000	0.000	0.023	0.000
OF	18.000	-7.028	0.000	9.083	0.000	0.000	0.000	0.000	0.023	0.000
OF	19.000	-7.004	0.000	9.084	0.000	0.000	0.000	0.000	0.023	0.000
OF	20.000	-6.981	0.000	9.084	0.000	0.000	0.000	0.000	0.023	0.000
OF	21.000	-6.958	0.000	9.085	0.000	0.000	0.000	0.000	0.023	0.000
OF	22.000	-6.935	0.000	9.085	0.000	0.000	0.000	0.000	0.023	0.000
OF	23.000	-6.911	0.000	9.086	0.000	0.000	0.000	0.000	0.023	0.000
OF	24.000	-6.888	0.000	9.086	0.000	0.000	0.000	0.000	0.023	0.000
OF	25.000	-6.865	0.000	9.087	0.000	0.000	0.000	0.000	0.023	0.000
OF	26.000	-6.842	0.000	9.088	0.000	0.000	0.000	0.000	0.023	0.000
OF	27.000	-6.819	0.000	9.088	0.000	0.000	0.000	0.000	0.023	0.000
OF	28.000	-6.795	0.000	9.089	0.000	0.000	0.000	0.000	0.023	0.000
OF	29.000	-6.772	0.000	9.089	0.000	0.000	0.000	0.000	0.023	0.000
OF	30.000	-6.749	0.000	9.090	0.000	0.000	0.000	0.000	0.023	0.000
OF	31.000	-6.726	0.000	9.090	0.000	0.000	0.000	0.000	0.023	0.000
OF	32.000	-6.703	0.000	9.091	0.000	0.000	0.000	0.000	0.023	0.000
OF	33.000	-6.679	0.000	9.092	0.000	0.000	0.000	0.000	0.023	0.000
OF	34.000	-6.656	0.000	9.092	0.000	0.000	0.000	0.000	0.023	0.000
OF	35.000	-6.633	0.000	9.093	0.000	0.000	0.000	0.000	0.023	0.000
OF	36.000	-6.610	0.000	9.093	0.000	0.000	0.000	0.000	0.023	0.000
OF	37.000	-6.586	0.000	9.094	0.000	0.000	0.000	0.000	0.023	0.000
OF	38.000	-6.563	0.000	9.094	0.000	0.000	0.000	0.000	0.023	0.000
OF	39.000	-6.540	0.000	9.095	0.000	0.000	0.000	0.000	0.023	0.000
OF	40.000	-6.517	0.000	9.096	0.000	0.000	0.000	0.000	0.023	0.000
OF	41.000	-6.494	0.000	9.096	0.000	0.000	0.000	0.000	0.023	0.000
OF	42.000	-6.470	0.000	9.097	0.000	0.000	0.000	0.000	0.023	0.000
OF	43.000	-6.447	0.000	9.097	0.000	0.000	0.000	0.000	0.023	0.000
OF	44.000	-6.424	0.000	9.098	0.000	0.000	0.000	0.000	0.023	0.000
OF	45.000	-6.401	0.000	9.099	0.000	0.000	0.000	0.000	0.023	0.000
OF	46.000	-6.377	0.000	9.099	0.000	0.000	0.000	0.000	0.023	0.000
OF	47.000	-6.354	0.000	9.100	0.000	0.000	0.000	0.000	0.023	0.000
OF	48.000	-6.331	0.000	9.100	0.000	0.000	0.000	0.000	0.023	0.000
OF	49.000	-6.308	0.000	9.101	0.000	0.000	0.000	0.000	0.023	0.000
OF	50.000	-6.285	0.000	9.101	0.000	0.000	0.000	0.000	0.023	0.000
OF	51.000	-6.261	0.000	9.102	0.000	0.000	0.000	0.000	0.023	0.000
OF	52.000	-6.238	0.000	9.102	0.000	0.000	0.000	0.000	0.023	0.000
OF	53.000	-6.215	0.000	9.103	0.000	0.000	0.000	0.000	0.023	0.000
OF	54.000	-6.192	0.000	9.104	0.000	0.000	0.000	0.000	0.023	0.000
OF	55.000	-6.168	0.000	9.104	0.000	0.000	0.000	0.000	0.023	0.000
OF	56.000	-6.145	0.000	9.105	0.000	0.000	0.000	0.000	0.023	0.000
OF	57.000	-6.122	0.000	9.105	0.000	0.000	0.000	0.000	0.023	0.000
OF	58.000	-6.099	0.000	9.106	0.000	0.000	0.000	0.000	0.023	0.000
OF	59.000	-6.076	0.000	9.106	0.000	0.000	0.000	0.000	0.023	0.000
OF	60.000	-6.052	0.000	9.107	0.000	0.000	0.000	0.000	0.023	0.000
OF	61.000	-6.029	0.000	9.108	0.000	0.000	0.000	0.000	0.023	0.000
OF	62.000	-6.006	0.000	9.108	0.000	0.000	0.000	0.000	0.023	0.000
OF	63.000	-5.983	0.000	9.109	0.000	0.000	0.000	0.000	0.023	0.000
OF	64.000	-5.959	0.000	9.109	0.000	0.000	0.000	0.000	0.023	0.000
OF	65.000	-5.936	0.000	9.110	0.000	0.000	0.000	0.000	0.023	0.000
OF	66.000	-5.913	0.000	9.111	0.000	0.000	0.000	0.000	0.023	0.000
OF	67.000	-5.890	0.000	9.111	0.000	0.000	0.000	0.000	0.023	0.000
OF	68.000	-5.867	0.000	9.112	0.000	0.000	0.000	0.000	0.023	0.000
OF	69.000	-5.843	0.000	9.112	0.000	0.000	0.000	0.000	0.023	0.000
OF	70.000	-5.820	0.000	9.113	0.000	0.000	0.000	0.000	0.023	0.000
OF	71.000	-5.797	0.000	9.113	0.000	0.000	0.000	0.000	0.023	0.000
OF	72.000	-5.774	0.000	9.114	0.000	0.000	0.000	0.000	0.023	0.000
OF	73.000	-5.751	0.000	9.115	0.000	0.000	0.000	0.000	0.023	0.000
OF	74.000	-5.727	0.000	9.115	0.000	0.000	0.000	0.000	0.023	0.000
OF	75.000	-5.704	0.000	9.116	0.000	0.000	0.000	0.000	0.025	0.000
OF	76.000	-5.677	0.000	9.116	0.000	0.000	0.000	0.000	0.032	0.000
OF	77.000	-5.640	0.000	9.117	0.000	0.000	0.000	0.000	0.037	0.000
OF	78.000	-5.603	0.000	9.117	0.000	0.000	0.000	0.000	0.037	0.000
OF	79.000	-5.566	0.000	9.117	0.000	0.000	0.000	0.000	0.037	0.000
OF	80.000	-5.529	0.000	9.118	0.000	0.000	0.000	0.000	0.037	0.000
OF	81.000	-5.492	0.000	9.118	0.000	0.000	0.000	0.000	0.037	0.000
OF	82.000	-5.456	0.000	9.118	0.000	0.000	0.000	0.000	0.037	0.000
OF	83.000	-5.419	0.000	9.119	0.000	0.000	0.000	0.000	0.037	0.000
OF	84.000	-5.382	0.000	9.119	0.000	0.000	0.000	0.000	0.037	0.000
OF	85.000	-5.345	0.000	9.120	0.000	0.000	0.000	0.000	0.037	0.000
OF	86.000	-5.308	0.000	9.120	0.000	0.000	0.000	0.000	0.037	0.000
OF	87.000	-5.272	0.000	9.120	0.000	0.000	0.000	0.000	0.037	0.000
OF	88.000	-5.235	0.000	9.121	0.000	0.000	0.000	0.000	0.037	0.000
OF	89.000	-5.198	0.000	9.121	0.000	0.000	0.000	0.000	0.037	0.000
OF	90.000	-5.161	0.000	9.122	0.000	0.000	0.000	0.000	0.037	0.000
OF	91.000	-5.124	0.000	9.122	0.000	0.000	0.000	0.000	0.037	0.000
OF	92.000	-5.087	0.000	9.122	0.000	0.000	0.000	0.000	0.037	0.000

OF	93.000	-5.050	0.000	9.123	0.000	0.000	0.000	0.000	0.037	0.000
OF	94.000	-5.014	0.000	9.123	0.000	0.000	0.000	0.000	0.037	0.000
OF	95.000	-4.977	0.000	9.123	0.000	0.000	0.000	0.000	0.037	0.000
OF	96.000	-4.940	0.000	9.124	0.000	0.000	0.000	0.000	0.037	0.000
OF	97.000	-4.903	0.000	9.124	0.000	0.000	0.000	0.000	0.037	0.000
OF	98.000	-4.866	0.000	9.125	0.000	0.000	0.000	0.000	0.037	0.000
OF	99.000	-4.829	0.000	9.125	0.000	0.000	0.000	0.000	0.037	0.000
OF	100.000	-4.792	0.000	9.125	0.000	0.000	0.000	0.000	0.037	0.000
OF	101.000	-4.756	0.000	9.126	0.000	0.000	0.000	0.000	0.037	0.000
OF	102.000	-4.719	0.000	9.126	0.000	0.000	0.000	0.000	0.037	0.000
OF	103.000	-4.682	0.000	9.126	0.000	0.000	0.000	0.000	0.037	0.000
OF	104.000	-4.645	0.000	9.127	0.000	0.000	0.000	0.000	0.037	0.000
OF	105.000	-4.608	0.000	9.127	0.000	0.000	0.000	0.000	0.037	0.000
OF	106.000	-4.571	0.000	9.128	0.000	0.000	0.000	0.000	0.037	0.000
OF	107.000	-4.535	0.000	9.128	0.000	0.000	0.000	0.000	0.052	0.000
OF	108.000	-4.467	0.000	9.128	0.000	0.000	0.000	0.000	0.132	0.000
OF	109.000	-4.270	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	110.000	-4.072	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	111.000	-3.874	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	112.000	-3.677	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	113.000	-3.478	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	114.000	-3.281	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	115.000	-3.083	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	116.000	-2.885	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	117.000	-2.688	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	118.000	-2.490	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	119.000	-2.293	0.000	9.128	0.000	0.000	0.000	0.000	0.198	0.000
OF	120.000	-2.095	0.000	9.128	0.000	0.000	0.000	0.000	0.055	0.000
OF	129.000	-1.742	0.000	9.128	0.000	0.000	0.000	0.000	0.037	0.000
OF	144.500	-1.181	0.000	9.128	0.000	0.000	0.000	0.000	0.070	0.000
IF	157.000	0.220	0.000	9.128	0.000	0.000	0.000	0.000	0.104	0.000
IF	172.500	1.732	0.000	9.128	0.000	0.000	0.000	0.000	0.084	0.000
IF	189.000	2.910	0.000	9.128	0.000	0.000	0.000	0.000	0.170	0.000
IF	205.500	7.343	0.000	9.128	0.000	0.000	0.000	0.000	0.257	0.000
IF	210.000	8.317	0.000	9.222	0.000	0.000	0.000	0.000	0.217	0.000
IF	213.300	9.033	0.000	9.420	0.000	0.000	0.000	0.000	0.220	0.000
IF	215.000	9.420	0.000	9.420	0.000	0.000	0.000	0.000	0.228	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

	END	END	FETCH	SURGE	ELEV	SURGE	ELEV	INITIAL	INITIAL		BOTTOM	AVERAGE
IE	STATION	ELEVATION	LENGTH	10-YEAR	10-YEAR	100-YEAR	WAVE	HEIGHT	W.	PERIOD	SLOPE	A-ZONES
	0.000	-7.446	1.000	1.000	1.000	9.073		2.690	8.300	56.140	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	1.000	-7.422	0.000	9.073	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	2.000	-7.399	0.000	9.074	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	3.000	-7.376	0.000	9.074	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	4.000	-7.353	0.000	9.075	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	5.000	-7.330	0.000	9.076	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	6.000	-7.306	0.000	9.076	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	7.000	-7.283	0.000	9.077	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	8.000	-7.260	0.000	9.077	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	9.000	-7.237	0.000	9.078	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	10.000	-7.213	0.000	9.078	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	11.000	-7.190	0.000	9.079	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	12.000	-7.167	0.000	9.080	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	13.000	-7.144	0.000	9.080	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	14.000	-7.121	0.000	9.081	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	15.000	-7.097	0.000	9.081	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	16.000	-7.074	0.000	9.082	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	17.000	-7.051	0.000	9.082	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	18.000	-7.028	0.000	9.083	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	19.000	-7.004	0.000	9.084	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	20.000	-6.981	0.000	9.084	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	21.000	-6.958	0.000	9.085	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	22.000	-6.935	0.000	9.085	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	23.000	-6.911	0.000	9.086	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	24.000	-6.888	0.000	9.086	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	25.000	-6.865	0.000	9.087	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	26.000	-6.842	0.000	9.088	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	27.000	-6.819	0.000	9.088	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	28.000	-6.795	0.000	9.089	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	29.000	-6.772	0.000	9.089	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	30.000	-6.749	0.000	9.090	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	31.000	-6.726	0.000	9.090	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	32.000	-6.703	0.000	9.091	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	33.000	-6.679	0.000	9.092	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	34.000	-6.656	0.000	9.092	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	35.000	-6.633	0.000	9.093	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	36.000	-6.610	0.000	9.093	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	37.000	-6.586	0.000	9.094	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	38.000	-6.563	0.000	9.094	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	39.000	-6.540	0.000	9.095	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	40.000	-6.517	0.000	9.096	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	41.000	-6.494	0.000	9.096	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	42.000	-6.470	0.000	9.097	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	43.000	-6.447	0.000	9.097	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	44.000	-6.424	0.000	9.098	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	45.000	-6.401	0.000	9.099	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	46.000	-6.377	0.000	9.099	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	47.000	-6.354	0.000	9.100	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	48.000	-6.331	0.000	9.100	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	49.000	-6.308	0.000	9.101	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	50.000	-6.285	0.000	9.101	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	51.000	-6.261	0.000	9.102	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	52.000	-6.238	0.000	9.102	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	53.000	-6.215	0.000	9.103	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	54.000	-6.192	0.000	9.104	0.000	0.000	0.000	0.000		0.023	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	55.000	-6.168	0.000	9.104	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	56.000	-6.145	0.000	9.105	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	57.000	-6.122	0.000	9.105	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	58.000	-6.099	0.000	9.106	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	59.000	-6.076	0.000	9.106	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	60.000	-6.052	0.000	9.107	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	61.000	-6.029	0.000	9.108	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	62.000	-6.006	0.000	9.108	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	63.000	-5.983	0.000	9.109	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	64.000	-5.959	0.000	9.109	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	65.000	-5.936	0.000	9.110	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	66.000	-5.913	0.000	9.111	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	67.000	-5.890	0.000	9.111	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	68.000	-5.867	0.000	9.112	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	69.000	-5.843	0.000	9.112	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	70.000	-5.820	0.000	9.113	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	71.000	-5.797	0.000	9.113	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	72.000	-5.774	0.000	9.114	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	73.000	-5.751	0.000	9.115	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	74.000	-5.727	0.000	9.115	0.000	0.000	0.000	0.000		0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	75.000	-5.704	0.000	9.116	0.000	0.000	0.000	0.000		0.025	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	76.000	-5.677	0.000	9.116	0.000	0.000	0.000	0.000		0.032	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	77.000	-5.640	0.000	9.117	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	78.000	-5.603	0.000	9.117	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	79.000	-5.566	0.000	9.117	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	80.000	-5.529	0.000	9.118	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	81.000	-5.492	0.000	9.118	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	82.000	-5.456	0.000	9.118	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	83.000	-5.419	0.000	9.119	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	84.000	-5.382	0.000	9.119	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	85.000	-5.345	0.000	9.120	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	86.000	-5.308	0.000	9.120	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	87.000	-5.272	0.000	9.120	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	88.000	-5.235	0.000	9.121	0.000	0.000	0.000	0.000		0.037	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	89.000	-5.198	0.000	9.121	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	90.000	-5.161	0.000	9.122	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	91.000	-5.124	0.000	9.122	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	92.000	-5.087	0.000	9.122	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	93.000	-5.050	0.000	9.123	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	94.000	-5.014	0.000	9.123	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	95.000	-4.977	0.000	9.123	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	96.000	-4.940	0.000	9.124	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	97.000	-4.903	0.000	9.124	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	98.000	-4.866	0.000	9.125	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	99.000	-4.829	0.000	9.125	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	100.000	-4.792	0.000	9.125	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	101.000	-4.756	0.000	9.126	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	102.000	-4.719	0.000	9.126	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	103.000	-4.682	0.000	9.126	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	104.000	-4.645	0.000	9.127	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	105.000	-4.608	0.000	9.127	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	106.000	-4.571	0.000	9.128	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	107.000	-4.535	0.000	9.128	0.000	0.000	0.000	0.000		0.052	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	108.000	-4.467	0.000	9.128	0.000	0.000	0.000	0.000		0.132	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	109.000	-4.270	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	110.000	-4.072	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	111.000	-3.874	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	112.000	-3.677	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	113.000	-3.478	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	114.000	-3.281	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	115.000	-3.083	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	116.000	-2.885	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	117.000	-2.688	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	118.000	-2.490	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	119.000	-2.293	0.000	9.128	0.000	0.000	0.000	0.000		0.198	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	120.000	-2.095	0.000	9.128	0.000	0.000	0.000	0.000		0.055	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	129.000	-1.742	0.000	9.128	0.000	0.000	0.000	0.000		0.037	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	144.500	-1.181	0.000	9.128	0.000	0.000	0.000	0.000		0.070	0.000

	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	157.000	0.220	0.000	9.128	0.000	0.000	0.000	0.000	0.104	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	172.500	1.732	0.000	9.128	0.000	0.000	0.000	0.000	0.084	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	189.000	2.910	0.000	9.128	0.000	0.000	0.000	0.000	0.170	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	205.500	7.343	0.000	9.128	0.000	0.000	0.000	0.000	0.257	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	210.000	8.317	0.000	9.222	0.000	0.000	0.000	0.000	0.217	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	213.300	9.033	0.000	9.420	0.000	0.000	0.000	0.000	0.220	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	215.000	9.420	0.000	9.420	0.000	0.000	0.000	0.000	0.228	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 WAVE HEIGHT	SPECTRAL PEAK WAVE PERIOD	WAVE CREST ELEVATION
IE 0.00	2.69	8.30	10.96
OF 1.00	2.69	8.30	10.96
OF 2.00	2.69	8.30	10.96
OF 3.00	2.70	8.30	10.96
OF 4.00	2.70	8.30	10.96
OF 5.00	2.70	8.30	10.96
OF 6.00	2.70	8.30	10.97
OF 7.00	2.70	8.30	10.97
OF 8.00	2.70	8.30	10.97
OF 9.00	2.71	8.30	10.97
OF 10.00	2.71	8.30	10.97
OF 11.00	2.71	8.30	10.98
OF 12.00	2.71	8.30	10.98
OF 13.00	2.71	8.30	10.98
OF 14.00	2.71	8.30	10.98
OF 15.00	2.72	8.30	10.98
OF 16.00	2.72	8.30	10.98
OF 17.00	2.72	8.30	10.99
OF 18.00	2.72	8.30	10.99
OF 19.00	2.72	8.30	10.99
OF 20.00	2.72	8.30	10.99
OF 21.00	2.73	8.30	10.99
OF 22.00	2.73	8.30	10.99
OF 23.00	2.73	8.30	11.00
OF 24.00	2.73	8.30	11.00
OF 25.00	2.73	8.30	11.00
OF 26.00	2.73	8.30	11.00
OF 27.00	2.74	8.30	11.00
OF 28.00	2.74	8.30	11.01
OF 29.00	2.74	8.30	11.01
OF 30.00	2.74	8.30	11.01
OF 31.00	2.74	8.30	11.01
OF 32.00	2.74	8.30	11.01
OF 33.00	2.75	8.30	11.01
OF 34.00	2.75	8.30	11.02
OF 35.00	2.75	8.30	11.02
OF 36.00	2.75	8.30	11.02
OF 37.00	2.75	8.30	11.02
OF 38.00	2.76	8.30	11.02
OF 39.00	2.76	8.30	11.02
OF 40.00	2.76	8.30	11.03
OF 41.00	2.76	8.30	11.03
OF 42.00	2.76	8.30	11.03
OF 43.00	2.76	8.30	11.03
OF 44.00	2.77	8.30	11.03
OF 45.00	2.77	8.30	11.04
OF 46.00	2.77	8.30	11.04
OF 47.00	2.77	8.30	11.04
OF 48.00	2.77	8.30	11.04
OF 49.00	2.77	8.30	11.04
OF 50.00	2.78	8.30	11.04
OF 51.00	2.78	8.30	11.05
OF 52.00	2.78	8.30	11.05
OF 53.00	2.78	8.30	11.05
OF 54.00	2.78	8.30	11.05
OF 55.00	2.79	8.30	11.05
OF 56.00	2.79	8.30	11.06
OF 57.00	2.79	8.30	11.06
OF 58.00	2.79	8.30	11.06
OF 59.00	2.79	8.30	11.06
OF 60.00	2.79	8.30	11.06
OF 61.00	2.80	8.30	11.07
OF 62.00	2.80	8.30	11.07
OF 63.00	2.80	8.30	11.07
OF 64.00	2.80	8.30	11.07
OF 65.00	2.80	8.30	11.07
OF 66.00	2.81	8.30	11.08
OF 67.00	2.81	8.30	11.08
OF 68.00	2.81	8.30	11.08
OF 69.00	2.81	8.30	11.08
OF 70.00	2.81	8.30	11.08
OF 71.00	2.82	8.30	11.08
OF 72.00	2.82	8.30	11.09

OF	73.00	2.82	8.30	11.09
OF	74.00	2.82	8.30	11.09
OF	75.00	2.82	8.30	11.09
OF	76.00	2.82	8.30	11.09
OF	77.00	2.83	8.30	11.10
OF	78.00	2.83	8.30	11.10
OF	79.00	2.83	8.30	11.10
OF	80.00	2.84	8.30	11.10
OF	81.00	2.84	8.30	11.10
OF	82.00	2.84	8.30	11.11
OF	83.00	2.84	8.30	11.11
OF	84.00	2.85	8.30	11.11
OF	85.00	2.85	8.30	11.11
OF	86.00	2.85	8.30	11.12
OF	87.00	2.85	8.30	11.12
OF	88.00	2.86	8.30	11.12
OF	89.00	2.86	8.30	11.12
OF	90.00	2.86	8.30	11.13
OF	91.00	2.87	8.30	11.13
OF	92.00	2.87	8.30	11.13
OF	93.00	2.87	8.30	11.13
OF	94.00	2.87	8.30	11.13
OF	95.00	2.88	8.30	11.14
OF	96.00	2.88	8.30	11.14
OF	97.00	2.88	8.30	11.14
OF	98.00	2.89	8.30	11.14
OF	99.00	2.89	8.30	11.15
OF	100.00	2.89	8.30	11.15
OF	101.00	2.89	8.30	11.15
OF	102.00	2.90	8.30	11.15
OF	103.00	2.90	8.30	11.16
OF	104.00	2.90	8.30	11.16
OF	105.00	2.91	8.30	11.16
OF	106.00	2.91	8.30	11.16
OF	107.00	2.91	8.30	11.17
OF	108.00	2.92	8.30	11.17
OF	109.00	2.93	8.30	11.18
OF	110.00	2.94	8.30	11.19
OF	111.00	2.96	8.30	11.20
OF	112.00	2.97	8.30	11.21
OF	113.00	2.99	8.30	11.22
OF	114.00	3.00	8.30	11.23
OF	115.00	3.02	8.30	11.24
OF	116.00	3.04	8.30	11.25
OF	117.00	3.05	8.30	11.26
OF	118.00	3.07	8.30	11.28
OF	119.00	3.09	8.30	11.29
OF	120.00	3.11	8.30	11.30
OF	129.00	3.14	8.30	11.33
OF	144.50	3.21	8.30	11.37
IF	157.00	3.38	8.30	11.49
IF	172.50	3.63	8.30	11.67
IF	189.00	3.68	8.30	11.70
IF	205.50	1.38	8.30	10.09
IF	210.00	0.70	8.30	9.71
IF	213.30	0.30	8.30	9.63
IF	215.00	0.01	8.30	9.43

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

STATION	10-YEAR SURGE	100-YEAR SURGE
2.00	1.00	9.07
4.00	1.00	9.07
5.00	1.00	9.08
7.00	1.00	9.08
9.00	1.00	9.08
11.00	1.00	9.08
12.00	1.00	9.08
14.00	1.00	9.08
16.00	1.00	9.08
18.00	1.00	9.08
19.00	1.00	9.08
21.00	1.00	9.09
23.00	1.00	9.09
25.00	1.00	9.09
26.00	1.00	9.09
28.00	1.00	9.09
30.00	1.00	9.09
32.00	1.00	9.09
33.00	1.00	9.09
35.00	1.00	9.09
37.00	1.00	9.09
39.00	1.00	9.10
40.00	1.00	9.10
42.00	1.00	9.10
44.00	1.00	9.10
45.00	1.00	9.10
47.00	1.00	9.10
49.00	1.00	9.10
51.00	1.00	9.10
53.00	1.00	9.10
54.00	1.00	9.10
56.00	1.00	9.10
58.00	1.00	9.11
60.00	1.00	9.11
61.00	1.00	9.11
63.00	1.00	9.11
65.00	1.00	9.11
66.00	1.00	9.11
68.00	1.00	9.11
70.00	1.00	9.11
72.00	1.00	9.11

73.00	1.00	9.11
75.00	1.00	9.12
77.00	1.00	9.12
80.00	1.00	9.12
83.00	1.00	9.12
85.00	1.00	9.12
88.00	1.00	9.12
90.00	1.00	9.12
93.00	1.00	9.12
96.00	1.00	9.12
98.00	1.00	9.12
101.00	1.00	9.13
104.00	1.00	9.13
106.00	1.00	9.13
210.00	1.00	9.22
213.30	1.00	9.42

PART5 LOCATION OF V ZONES				
STATION OF GUTTER	LOCATION OF ZONE			
113.78	LEEWARD			
193.88	WINDWARD			
PART6 NUMBERED A ZONES AND V ZONES				
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF	
0.00	10.96			
1.00	10.96	A20 EL=11		100
2.00	10.96	A20 EL=11		100
3.00	10.96	A20 EL=11		100
4.00	10.96	A20 EL=11		100
5.00	10.96	A20 EL=11		100
6.00	10.97	A20 EL=11		100
7.00	10.97	A20 EL=11		100
8.00	10.97	A20 EL=11		100
9.00	10.97	A20 EL=11		100
10.00	10.97	A20 EL=11		100
11.00	10.98	A20 EL=11		100
12.00	10.98	A20 EL=11		100
13.00	10.98	A20 EL=11		100
14.00	10.98	A20 EL=11		100
15.00	10.98	A20 EL=11		100
16.00	10.98	A20 EL=11		100
17.00	10.99	A20 EL=11		100
18.00	10.99	A20 EL=11		100
19.00	10.99	A20 EL=11		100
20.00	10.99	A20 EL=11		100
21.00	10.99	A20 EL=11		100
22.00	10.99	A20 EL=11		100
23.00	11.00	A20 EL=11		100
24.00	11.00	A20 EL=11		100
25.00	11.00	A20 EL=11		100
26.00	11.00	A20 EL=11		100
27.00	11.00	A20 EL=11		100
28.00	11.01	A20 EL=11		100
29.00	11.01	A20 EL=11		100
30.00	11.01	A20 EL=11		100
31.00	11.01	A20 EL=11		100
32.00	11.01	A20 EL=11		100
33.00	11.01	A20 EL=11		100
34.00	11.02	A20 EL=11		100
35.00	11.02	A20 EL=11		100
36.00	11.02	A20 EL=11		100
37.00	11.02	A20 EL=11		100
38.00	11.02	A20 EL=11		100
39.00	11.02	A20 EL=11		100

40.00	11.03			
41.00	11.03	A20	EL=11	100
42.00	11.03	A20	EL=11	100
43.00	11.03	A20	EL=11	100
44.00	11.03	A20	EL=11	100
45.00	11.04	A20	EL=11	100
46.00	11.04	A20	EL=11	100
47.00	11.04	A20	EL=11	100
48.00	11.04	A20	EL=11	100
49.00	11.04	A20	EL=11	100
50.00	11.04	A20	EL=11	100
51.00	11.05	A20	EL=11	100
52.00	11.05	A20	EL=11	100
53.00	11.05	A20	EL=11	100
54.00	11.05	A20	EL=11	100
55.00	11.05	A20	EL=11	100
56.00	11.06	A20	EL=11	100
57.00	11.06	A20	EL=11	100
58.00	11.06	A20	EL=11	100
59.00	11.06	A20	EL=11	100
60.00	11.06	A20	EL=11	100
61.00	11.07	A20	EL=11	100
62.00	11.07	A20	EL=11	100
63.00	11.07	A20	EL=11	100
64.00	11.07	A20	EL=11	100
65.00	11.07	A20	EL=11	100
66.00	11.08	A20	EL=11	100
67.00	11.08	A20	EL=11	100
68.00	11.08	A20	EL=11	100
69.00	11.08	A20	EL=11	100
70.00	11.08	A20	EL=11	100
71.00	11.08	A20	EL=11	100
72.00	11.09	A20	EL=11	100
73.00	11.09	A20	EL=11	100
74.00	11.09	A20	EL=11	100
75.00	11.09	A20	EL=11	100
76.00	11.09	A20	EL=11	100
77.00	11.10	A20	EL=11	100
79.00	11.10	A20	EL=11	100
80.00	11.10	A20	EL=11	100
82.00	11.11	A20	EL=11	100
83.00	11.11	A20	EL=11	100
84.00	11.11	A20	EL=11	100
85.00	11.11	A20	EL=11	100
87.00	11.12	A20	EL=11	100
88.00	11.12	A20	EL=11	100
89.00	11.12	A20	EL=11	100
90.00	11.13	A20	EL=11	100
92.00	11.13	A20	EL=11	100
93.00	11.13	A20	EL=11	100
95.00	11.14	A20	EL=11	100

96.00	11.14			
97.00	11.14	A20	EL=11	100
98.00	11.14	A20	EL=11	100
100.00	11.15	A20	EL=11	100
101.00	11.15	A20	EL=11	100
103.00	11.16	A20	EL=11	100
104.00	11.16	A20	EL=11	100
105.00	11.16	A20	EL=11	100
106.00	11.16	A20	EL=11	100
113.78	11.23	V23	EL=11	130
157.46	11.50	V23	EL=12	130
191.08	11.50	V23	EL=11	130
193.88	11.23	A19	EL=11	95
201.34	10.50	A19	EL=10	95
205.50	10.09	A19	EL=10	95
210.00	9.71	A19	EL=10	95
213.30	9.63	A19	EL=10	95
214.38	9.50	A19	EL= 9	95
215.00	9.43			

ZONE TERMINATED AT END OF TRANSECT

PART 7 POSTSCRIPT NOTES

PS# 1 START(403525.1288,4833824.8875)
 PS# 2 END(403567.6267,4833952.7313)

-1.000000e+00