

## 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-54.dat

Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Portland\3\_whafis\whafis4\CM-54.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	-10.950	1.000	1.000	8.987	18.668	14.124	56.140	0.007	0.000
OF	1.000	-10.943	0.000	8.988	0.000	0.000	0.000	0.000	0.007	0.000
OF	2.000	-10.936	0.000	8.988	0.000	0.000	0.000	0.000	0.007	0.000
OF	3.300	-10.927	0.000	8.990	0.000	0.000	0.000	0.000	0.007	0.000
OF	6.600	-10.904	0.000	8.992	0.000	0.000	0.000	0.000	0.007	0.000
OF	9.800	-10.881	0.000	8.994	0.000	0.000	0.000	0.000	0.007	0.000
OF	13.100	-10.858	0.000	8.996	0.000	0.000	0.000	0.000	0.007	0.000
OF	16.400	-10.838	0.000	8.999	0.000	0.000	0.000	0.000	0.004	0.000
OF	19.700	-10.828	0.000	9.001	0.000	0.000	0.000	0.000	0.003	0.000
OF	23.000	-10.818	0.000	9.004	0.000	0.000	0.000	0.000	0.003	0.000
OF	26.200	-10.808	0.000	9.006	0.000	0.000	0.000	0.000	0.003	0.000
OF	29.500	-10.798	0.000	9.009	0.000	0.000	0.000	0.000	0.003	0.000
OF	32.800	-10.788	0.000	9.012	0.000	0.000	0.000	0.000	0.003	0.000
OF	36.100	-10.777	0.000	9.014	0.000	0.000	0.000	0.000	0.003	0.000
OF	39.400	-10.767	0.000	9.017	0.000	0.000	0.000	0.000	0.003	0.000
OF	42.700	-10.757	0.000	9.020	0.000	0.000	0.000	0.000	0.003	0.000
OF	45.900	-10.747	0.000	9.022	0.000	0.000	0.000	0.000	0.003	0.000
OF	49.200	-10.737	0.000	9.025	0.000	0.000	0.000	0.000	0.003	0.000
OF	52.500	-10.727	0.000	9.027	0.000	0.000	0.000	0.000	0.003	0.000
OF	55.800	-10.717	0.000	9.030	0.000	0.000	0.000	0.000	0.003	0.000
OF	59.100	-10.707	0.000	9.032	0.000	0.000	0.000	0.000	0.003	0.000
OF	62.300	-10.697	0.000	9.035	0.000	0.000	0.000	0.000	0.003	0.000
OF	65.600	-10.687	0.000	9.037	0.000	0.000	0.000	0.000	0.003	0.000
OF	68.900	-10.677	0.000	9.040	0.000	0.000	0.000	0.000	0.003	0.000
OF	72.200	-10.667	0.000	9.042	0.000	0.000	0.000	0.000	0.003	0.000
OF	75.500	-10.657	0.000	9.045	0.000	0.000	0.000	0.000	0.003	0.000
OF	78.700	-10.647	0.000	9.047	0.000	0.000	0.000	0.000	0.003	0.000
OF	82.000	-10.637	0.000	9.050	0.000	0.000	0.000	0.000	0.003	0.000
OF	85.300	-10.627	0.000	9.052	0.000	0.000	0.000	0.000	0.003	0.000
OF	88.600	-10.617	0.000	9.055	0.000	0.000	0.000	0.000	0.003	0.000
OF	91.900	-10.607	0.000	9.058	0.000	0.000	0.000	0.000	0.003	0.000
OF	95.100	-10.597	0.000	9.060	0.000	0.000	0.000	0.000	0.003	0.000
OF	98.400	-10.587	0.000	9.063	0.000	0.000	0.000	0.000	0.003	0.000
OF	101.700	-10.577	0.000	9.065	0.000	0.000	0.000	0.000	0.003	0.000
OF	105.000	-10.567	0.000	9.068	0.000	0.000	0.000	0.000	0.003	0.000
OF	108.300	-10.557	0.000	9.070	0.000	0.000	0.000	0.000	0.003	0.000
OF	111.500	-10.547	0.000	9.072	0.000	0.000	0.000	0.000	0.003	0.000
OF	114.800	-10.537	0.000	9.074	0.000	0.000	0.000	0.000	0.003	0.000
OF	118.100	-10.527	0.000	9.076	0.000	0.000	0.000	0.000	0.003	0.000
OF	121.400	-10.517	0.000	9.079	0.000	0.000	0.000	0.000	0.003	0.000
OF	124.700	-10.507	0.000	9.081	0.000	0.000	0.000	0.000	0.003	0.000
OF	128.000	-10.497	0.000	9.083	0.000	0.000	0.000	0.000	0.003	0.000
OF	131.200	-10.487	0.000	9.085	0.000	0.000	0.000	0.000	0.003	0.000
OF	134.500	-10.477	0.000	9.087	0.000	0.000	0.000	0.000	0.003	0.000
OF	137.800	-10.467	0.000	9.089	0.000	0.000	0.000	0.000	0.003	0.000
OF	141.100	-10.457	0.000	9.092	0.000	0.000	0.000	0.000	0.003	0.000
OF	144.400	-10.447	0.000	9.093	0.000	0.000	0.000	0.000	0.003	0.000
OF	147.600	-10.437	0.000	9.096	0.000	0.000	0.000	0.000	0.003	0.000
OF	150.900	-10.426	0.000	9.098	0.000	0.000	0.000	0.000	0.003	0.000
OF	154.200	-10.416	0.000	9.100	0.000	0.000	0.000	0.000	0.003	0.000
OF	157.500	-10.406	0.000	9.103	0.000	0.000	0.000	0.000	0.003	0.000
OF	160.800	-10.396	0.000	9.105	0.000	0.000	0.000	0.000	0.003	0.000
OF	164.000	-10.386	0.000	9.107	0.000	0.000	0.000	0.000	0.003	0.000
OF	167.300	-10.376	0.000	9.109	0.000	0.000	0.000	0.000	0.003	0.000
OF	170.600	-10.366	0.000	9.111	0.000	0.000	0.000	0.000	0.003	0.000
OF	173.900	-10.356	0.000	9.113	0.000	0.000	0.000	0.000	0.003	0.000
OF	177.200	-10.346	0.000	9.115	0.000	0.000	0.000	0.000	0.003	0.000
OF	180.400	-10.336	0.000	9.117	0.000	0.000	0.000	0.000	0.003	0.000
OF	183.700	-10.326	0.000	9.119	0.000	0.000	0.000	0.000	0.003	0.000
OF	187.000	-10.316	0.000	9.121	0.000	0.000	0.000	0.000	0.003	0.000
OF	190.300	-10.306	0.000	9.123	0.000	0.000	0.000	0.000	0.003	0.000
OF	193.600	-10.296	0.000	9.125	0.000	0.000	0.000	0.000	0.003	0.000
OF	196.800	-10.286	0.000	9.126	0.000	0.000	0.000	0.000	0.003	0.000
OF	200.100	-10.276	0.000	9.128	0.000	0.000	0.000	0.000	0.003	0.000
OF	203.400	-10.266	0.000	9.130	0.000	0.000	0.000	0.000	0.003	0.000
OF	206.700	-10.256	0.000	9.132	0.000	0.000	0.000	0.000	0.003	0.000
OF	210.000	-10.246	0.000	9.133	0.000	0.000	0.000	0.000	0.003	0.000
OF	213.300	-10.236	0.000	9.135	0.000	0.000	0.000	0.000	0.003	0.000
OF	216.500	-10.226	0.000	9.137	0.000	0.000	0.000	0.000	0.003	0.000
OF	219.800	-10.216	0.000	9.138	0.000	0.000	0.000	0.000	0.005	0.000
OF	223.100	-10.192	0.000	9.140	0.000	0.000	0.000	0.000	0.008	0.000
OF	226.400	-10.165	0.000	9.141	0.000	0.000	0.000	0.000	0.008	0.000
OF	229.700	-10.137	0.000	9.142	0.000	0.000	0.000	0.000	0.009	0.000
OF	232.900	-10.110	0.000	9.144	0.000	0.000	0.000	0.000	0.009	0.000
OF	236.200	-10.082	0.000	9.145	0.000	0.000	0.000	0.000	0.009	0.000
OF	239.500	-10.054	0.000	9.147	0.000	0.000	0.000	0.000	0.008	0.000
OF	242.800	-10.027	0.000	9.148	0.000	0.000	0.000	0.000	0.008	0.000
OF	246.100	-10.000	0.000	9.150	0.000	0.000	0.000	0.000	0.008	0.000
OF	249.300	-9.972	0.000	9.151	0.000	0.000	0.000	0.000	0.009	0.000
OF	252.600	-9.945	0.000	9.153	0.000	0.000	0.000	0.000	0.008	0.000
OF	255.900	-9.917	0.000	9.154	0.000	0.000	0.000	0.000	0.008	0.000
OF	259.200	-9.889	0.000	9.155	0.000	0.000	0.000	0.000	0.008	0.000
OF	262.500	-9.862	0.000	9.157	0.000	0.000	0.000	0.000	0.009	0.000
OF	265.700	-9.834	0.000	9.158	0.000	0.000	0.000	0.000	0.009	0.000
OF	269.000	-9.807	0.000	9.160	0.000	0.000	0.000	0.000	0.008	0.000
OF	272.300	-9.779	0.000	9.161	0.000	0.000	0.000	0.000	0.008	0.000
OF	275.600	-9.752	0.000	9.162	0.000	0.000	0.000	0.000	0.008	0.000
OF	278.900	-9.724	0.000	9.164	0.000	0.000	0.000	0.000	0.008	0.000
OF	282.200	-9.697	0.000	9.165	0.000	0.000	0.000	0.000	0.009	0.000
OF	285.400	-9.669	0.000	9.167	0.000	0.000	0.000	0.000	0.009	0.000
OF	288.700	-9.641	0.000	9.168	0.000	0.000	0.000	0.000	0.008	0.000
OF	292.000	-9.614	0.000	9.169	0.000	0.000	0.000	0.000	0.008	0.000
OF	295.300	-9.586	0.000	9.171	0.000	0.000	0.000	0.000	0.008	0.000

OF	298.600	-9.559	0.000	9.172	0.000	0.000	0.000	0.000	0.000	0.009	0.000
OF	301.800	-9.531	0.000	9.173	0.000	0.000	0.000	0.000	0.000	0.009	0.000
OF	305.100	-9.504	0.000	9.175	0.000	0.000	0.000	0.000	0.000	0.008	0.000
OF	308.400	-9.476	0.000	9.176	0.000	0.000	0.000	0.000	0.000	0.009	0.000
OF	311.700	-9.447	0.000	9.177	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	315.000	-9.413	0.000	9.179	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	318.200	-9.379	0.000	9.180	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	321.500	-9.345	0.000	9.181	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	324.800	-9.311	0.000	9.182	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	328.100	-9.277	0.000	9.183	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	331.400	-9.243	0.000	9.184	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	334.600	-9.209	0.000	9.185	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	337.900	-9.175	0.000	9.186	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	341.200	-9.141	0.000	9.188	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	344.500	-9.107	0.000	9.189	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	347.800	-9.073	0.000	9.189	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	351.000	-9.039	0.000	9.191	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	354.300	-9.005	0.000	9.192	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	357.600	-8.971	0.000	9.193	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	360.900	-8.937	0.000	9.194	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	364.200	-8.903	0.000	9.195	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	367.500	-8.869	0.000	9.196	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	370.700	-8.835	0.000	9.198	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	374.000	-8.801	0.000	9.199	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	377.300	-8.767	0.000	9.200	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	380.600	-8.733	0.000	9.201	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	383.900	-8.699	0.000	9.202	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	387.100	-8.665	0.000	9.203	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	390.400	-8.631	0.000	9.205	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	393.700	-8.597	0.000	9.206	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	397.000	-8.563	0.000	9.207	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	400.300	-8.529	0.000	9.208	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	403.500	-8.495	0.000	9.209	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	406.800	-8.461	0.000	9.210	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	410.100	-8.427	0.000	9.212	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	413.400	-8.393	0.000	9.213	0.000	0.000	0.000	0.000	0.000	0.010	0.000
OF	416.700	-8.359	0.000	9.214	0.000	0.000	0.000	0.000	0.000	0.022	0.000
OF	419.900	-8.252	0.000	9.214	0.000	0.000	0.000	0.000	0.000	0.119	0.000
OF	423.200	-7.588	0.000	9.210	0.000	0.000	0.000	0.000	0.000	0.202	0.000
OF	426.500	-6.918	0.000	9.205	0.000	0.000	0.000	0.000	0.000	0.203	0.000
OF	429.800	-6.248	0.000	9.201	0.000	0.000	0.000	0.000	0.000	0.203	0.000
OF	433.100	-5.578	0.000	9.197	0.000	0.000	0.000	0.000	0.000	0.203	0.000
OF	436.400	-4.908	0.000	9.193	0.000	0.000	0.000	0.000	0.000	0.206	0.000
OF	439.600	-4.238	0.000	9.189	0.000	0.000	0.000	0.000	0.000	0.206	0.000
OF	442.900	-3.568	0.000	9.186	0.000	0.000	0.000	0.000	0.000	0.203	0.000
OF	446.200	-2.898	0.000	9.183	0.000	0.000	0.000	0.000	0.000	0.203	0.000
OF	449.500	-2.228	0.000	9.179	0.000	0.000	0.000	0.000	0.000	0.819	0.000
IF	452.800	2.508	0.000	9.033	0.000	0.000	0.000	0.000	0.000	0.807	0.000
IF	456.000	3.020	0.000	9.137	0.000	0.000	0.000	0.000	0.000	0.162	0.000
IF	459.300	3.563	0.000	9.271	0.000	0.000	0.000	0.000	0.000	0.168	0.000
IF	462.600	4.131	0.000	9.408	0.000	0.000	0.000	0.000	0.000	0.172	0.000
IF	465.900	4.699	0.000	9.548	0.000	0.000	0.000	0.000	0.000	0.172	0.000
IF	469.200	5.268	0.000	9.697	0.000	0.000	0.000	0.000	0.000	0.189	0.000
IF	472.400	5.927	0.000	9.865	0.000	0.000	0.000	0.000	0.000	0.208	0.000
IF	475.700	6.617	0.000	10.043	0.000	0.000	0.000	0.000	0.000	0.209	0.000
IF	479.000	7.308	0.000	10.225	0.000	0.000	0.000	0.000	0.000	0.209	0.000
IF	482.300	7.998	0.000	10.410	0.000	0.000	0.000	0.000	0.000	0.210	0.000
IF	485.600	8.696	0.000	10.599	0.000	0.000	0.000	0.000	0.000	0.217	0.000
IF	488.800	9.411	0.000	10.803	0.000	0.000	0.000	0.000	0.000	0.220	0.000
IF	492.100	10.126	0.000	11.011	0.000	0.000	0.000	0.000	0.000	0.217	0.000
IF	495.400	10.841	0.000	11.224	0.000	0.000	0.000	0.000	0.000	0.215	0.000
IF	497.200	11.224	0.000	11.224	0.000	0.000	0.000	0.000	0.000	0.213	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	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	-10.950	1.000	1.000	8.987	18.668	14.124	56.140	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	1.000	-10.943	0.000	8.988	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	2.000	-10.936	0.000	8.988	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	3.300	-10.927	0.000	8.990	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	6.600	-10.904	0.000	8.992	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	9.800	-10.881	0.000	8.994	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	13.100	-10.858	0.000	8.996	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	16.400	-10.838	0.000	8.999	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	19.700	-10.828	0.000	9.001	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	23.000	-10.818	0.000	9.004	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	26.200	-10.808	0.000	9.006	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	29.500	-10.798	0.000	9.009	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES

OF	32.800	-10.788	0.000	9.012	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	36.100	-10.777	0.000	9.014	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	39.400	-10.767	0.000	9.017	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	42.700	-10.757	0.000	9.020	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	45.900	-10.747	0.000	9.022	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	49.200	-10.737	0.000	9.025	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	52.500	-10.727	0.000	9.027	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	55.800	-10.717	0.000	9.030	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	59.100	-10.707	0.000	9.032	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	62.300	-10.697	0.000	9.035	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	65.600	-10.687	0.000	9.037	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	68.900	-10.677	0.000	9.040	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	72.200	-10.667	0.000	9.042	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	75.500	-10.657	0.000	9.045	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	78.700	-10.647	0.000	9.047	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
	82.000	-10.637	0.000	9.050	0.000	0.000	0.000	0.000	0.003	0.000
OF	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	85.300	-10.627	0.000	9.052	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE						

OF	144.400	-10.447	0.000	9.093	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	147.600	-10.437	0.000	9.096	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	150.900	-10.426	0.000	9.098	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	154.200	-10.416	0.000	9.100	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	157.500	-10.406	0.000	9.103	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	160.800	-10.396	0.000	9.105	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	164.000	-10.386	0.000	9.107	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	167.300	-10.376	0.000	9.109	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	170.600	-10.366	0.000	9.111	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	173.900	-10.356	0.000	9.113	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	177.200	-10.346	0.000	9.115	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	180.400	-10.336	0.000	9.117	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	183.700	-10.326	0.000	9.119	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	187.000	-10.316	0.000	9.121	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	190.300	-10.306	0.000	9.123	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	193.600	-10.296	0.000	9.125	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	196.800	-10.286	0.000	9.126	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	200.100	-10.276	0.000	9.128	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	203.400	-10.266	0.000	9.130	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	206.700	-10.256	0.000	9.132	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	210.000	-10.246	0.000	9.133	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	213.300	-10.236	0.000	9.135	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	216.500	-10.226	0.000	9.137	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	219.800	-10.216	0.000	9.138	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	223.100	-10.192	0.000	9.140	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	226.400	-10.165	0.000	9.141	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	229.700	-10.137	0.000	9.142	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	232.900	-10.110	0.000	9.144	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	236.200	-10.082	0.000	9.145	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	239.500	-10.054	0.000	9.147	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	242.800	-10.027	0.000	9.148	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	246.100	-10.000	0.000	9.150	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	249.300	-9.972	0.000	9.151	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	252.600	-9.945	0.000	9.153	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES

OF	255.900	-9.917	0.000	9.154	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	259.200	-9.889	0.000	9.155	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	262.500	-9.862	0.000	9.157	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	265.700	-9.834	0.000	9.158	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	269.000	-9.807	0.000	9.160	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	272.300	-9.779	0.000	9.161	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	275.600	-9.752	0.000	9.162	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	278.900	-9.724	0.000	9.164	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	282.200	-9.697	0.000	9.165	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	285.400	-9.669	0.000	9.167	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	288.700	-9.641	0.000	9.168	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	292.000	-9.614	0.000	9.169	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	295.300	-9.586	0.000	9.171	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	298.600	-9.559	0.000	9.172	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	301.800	-9.531	0.000	9.173	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	305.100	-9.504	0.000	9.175	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	308.400	-9.476	0.000	9.176	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR						

OF	367.500	-8.869	0.000	9.196	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	370.700	-8.835	0.000	9.198	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	374.000	-8.801	0.000	9.199	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	377.300	-8.767	0.000	9.200	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	380.600	-8.733	0.000	9.201	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	383.900	-8.699	0.000	9.202	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	387.100	-8.665	0.000	9.203	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	390.400	-8.631	0.000	9.205	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	393.700	-8.597	0.000	9.206	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	397.000	-8.563	0.000	9.207	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	400.300	-8.529	0.000	9.208	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	403.500	-8.495	0.000	9.209	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	406.800	-8.461	0.000	9.210	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	410.100	-8.427	0.000	9.212	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	413.400	-8.393	0.000	9.213	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	416.700	-8.359	0.000	9.214	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	419.900	-8.252	0.000	9.214	0.000	0.000	0.000	0.000	0.119	0.000
	END	END	NEW SURGE	NEW SUR						

IF	479.000	7.308	0.000	10.225	0.000	0.000	0.000	0.000	0.209	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	482.300	7.998	0.000	10.410	0.000	0.000	0.000	0.000	0.210	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	485.600	8.696	0.000	10.599	0.000	0.000	0.000	0.000	0.217	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	488.800	9.411	0.000	10.803	0.000	0.000	0.000	0.000	0.220	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	492.100	10.126	0.000	11.011	0.000	0.000	0.000	0.000	0.217	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	495.400	10.841	0.000	11.224	0.000	0.000	0.000	0.000	0.215	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	497.200	11.224	0.000	11.224	0.000	0.000	0.000	0.000	0.213	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	15.09	14.12	19.55
OF 1.00	15.08	14.12	19.55
OF 2.00	15.08	14.12	19.54
OF 3.30	15.07	14.12	19.54
OF 6.60	15.06	14.12	19.53
OF 9.80	15.04	14.12	19.52
OF 13.10	15.03	14.12	19.51
OF 16.40	15.01	14.12	19.51
OF 19.70	15.01	14.12	19.51
OF 23.00	15.00	14.12	19.51
OF 26.20	15.00	14.12	19.50
OF 29.50	14.99	14.12	19.50
OF 32.80	14.99	14.12	19.50
OF 36.10	14.98	14.12	19.50
OF 39.40	14.97	14.12	19.50
OF 42.70	14.97	14.12	19.50
OF 45.90	14.96	14.12	19.50
OF 49.20	14.96	14.12	19.50
OF 52.50	14.95	14.12	19.49
OF 55.80	14.95	14.12	19.49
OF 59.10	14.94	14.12	19.49
OF 62.30	14.94	14.12	19.49
OF 65.60	14.93	14.12	19.49
OF 68.90	14.92	14.12	19.49
OF 72.20	14.92	14.12	19.49
OF 75.50	14.91	14.12	19.48
OF 78.70	14.91	14.12	19.48
OF 82.00	14.90	14.12	19.48
OF 85.30	14.90	14.12	19.48
OF 88.60	14.89	14.12	19.48
OF 91.90	14.89	14.12	19.48
OF 95.10	14.88	14.12	19.48
OF 98.40	14.88	14.12	19.48
OF 101.70	14.87	14.12	19.47
OF 105.00	14.86	14.12	19.47
OF 108.30	14.86	14.12	19.47
OF 111.50	14.85	14.12	19.47
OF 114.80	14.85	14.12	19.47
OF 118.10	14.84	14.12	19.46
OF 121.40	14.84	14.12	19.46
OF 124.70	14.83	14.12	19.46
OF 128.00	14.82	14.12	19.46
OF 131.20	14.82	14.12	19.46
OF 134.50	14.81	14.12	19.46
OF 137.80	14.81	14.12	19.45
OF 141.10	14.80	14.12	19.45
OF 144.40	14.79	14.12	19.45
OF 147.60	14.79	14.12	19.45
OF 150.90	14.78	14.12	19.45
OF 154.20	14.78	14.12	19.44
OF 157.50	14.77	14.12	19.44
OF 160.80	14.77	14.12	19.44
OF 164.00	14.76	14.12	19.44
OF 167.30	14.75	14.12	19.44
OF 170.60	14.75	14.12	19.43
OF 173.90	14.74	14.12	19.43
OF 177.20	14.74	14.12	19.43
OF 180.40	14.73	14.12	19.43
OF 183.70	14.72	14.12	19.43
OF 187.00	14.72	14.12	19.42
OF 190.30	14.71	14.12	19.42
OF 193.60	14.71	14.12	19.42
OF 196.80	14.70	14.12	19.42
OF 200.10	14.69	14.12	19.41
OF 203.40	14.69	14.12	19.41
OF 206.70	14.68	14.12	19.41
OF 210.00	14.68	14.12	19.41
OF 213.30	14.67	14.12	19.40
OF 216.50	14.66	14.12	19.40
OF 219.80	14.66	14.12	19.40
OF 223.10	14.64	14.12	19.39
OF 226.40	14.62	14.12	19.38
OF 229.70	14.60	14.12	19.36
OF 232.90	14.58	14.12	19.35
OF 236.20	14.56	14.12	19.34

OF	239.50	14.55	14.12	19.33
OF	242.80	14.53	14.12	19.32
OF	246.10	14.51	14.12	19.31
OF	249.30	14.49	14.12	19.29
OF	252.60	14.47	14.12	19.28
OF	255.90	14.45	14.12	19.27
OF	259.20	14.43	14.12	19.26
OF	262.50	14.41	14.12	19.24
OF	265.70	14.39	14.12	19.23
OF	269.00	14.37	14.12	19.22
OF	272.30	14.35	14.12	19.21
OF	275.60	14.33	14.12	19.20
OF	278.90	14.31	14.12	19.18
OF	282.20	14.30	14.12	19.17
OF	285.40	14.28	14.12	19.16
OF	288.70	14.26	14.12	19.15
OF	292.00	14.24	14.12	19.14
OF	295.30	14.22	14.12	19.12
OF	298.60	14.20	14.12	19.11
OF	301.80	14.18	14.12	19.10
OF	305.10	14.16	14.12	19.09
OF	308.40	14.14	14.12	19.07
OF	311.70	14.12	14.12	19.06
OF	315.00	14.10	14.12	19.05
OF	318.20	14.07	14.12	19.03
OF	321.50	14.05	14.12	19.01
OF	324.80	14.02	14.12	19.00
OF	328.10	14.00	14.12	18.98
OF	331.40	13.98	14.12	18.97
OF	334.60	13.95	14.12	18.95
OF	337.90	13.93	14.12	18.93
OF	341.20	13.90	14.12	18.92
OF	344.50	13.88	14.12	18.90
OF	347.80	13.85	14.12	18.89
OF	351.00	13.83	14.12	18.87
OF	354.30	13.81	14.12	18.86
OF	357.60	13.78	14.12	18.84
OF	360.90	13.76	14.12	18.82
OF	364.20	13.73	14.12	18.81
OF	367.50	13.71	14.12	18.79
OF	370.70	13.68	14.12	18.78
OF	374.00	13.66	14.12	18.76
OF	377.30	13.64	14.12	18.75
OF	380.60	13.61	14.12	18.73
OF	383.90	13.59	14.12	18.71
OF	387.10	13.56	14.12	18.70
OF	390.40	13.54	14.12	18.68
OF	393.70	13.51	14.12	18.67
OF	397.00	13.49	14.12	18.65
OF	400.30	13.47	14.12	18.63
OF	403.50	13.44	14.12	18.62
OF	406.80	13.42	14.12	18.60
OF	410.10	13.39	14.12	18.59
OF	413.40	13.37	14.12	18.57
OF	416.70	13.34	14.12	18.56
OF	419.90	13.27	14.12	18.50
OF	423.20	12.77	14.12	18.15
OF	426.50	12.27	14.12	17.79
OF	429.80	11.77	14.12	17.44
OF	433.10	11.27	14.12	17.08
OF	436.40	10.76	14.12	16.73
OF	439.60	10.26	14.12	16.37
OF	442.90	9.76	14.12	16.02
OF	446.20	9.25	14.12	15.66
OF	449.50	8.74	14.12	15.30
IF	452.80	5.04	14.12	12.56
IF	456.00	4.73	14.12	12.45
IF	459.30	4.41	14.12	12.36
IF	462.60	4.08	14.12	12.27
IF	465.90	3.75	14.12	12.18
IF	469.20	3.43	14.12	12.10
IF	472.40	3.05	14.12	12.00
IF	475.70	2.66	14.12	11.90
IF	479.00	2.27	14.12	11.81
IF	482.30	1.87	14.12	11.72
IF	485.60	1.48	14.12	11.63
IF	488.80	1.08	14.12	11.56
IF	492.10	0.69	14.12	11.49
IF	495.40	0.30	14.12	11.43
IF	497.20	0.01	14.12	11.23

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
1.00	1.00	8.99
3.30	1.00	8.99
6.60	1.00	8.99
9.80	1.00	8.99
13.10	1.00	9.00
16.40	1.00	9.00
19.70	1.00	9.00
23.00	1.00	9.00
26.20	1.00	9.01
29.50	1.00	9.01
32.80	1.00	9.01
36.10	1.00	9.01
39.40	1.00	9.02
42.70	1.00	9.02
45.90	1.00	9.02
49.20	1.00	9.02
52.50	1.00	9.03
55.80	1.00	9.03



59.10	1.00	9.03
62.30	1.00	9.03
65.60	1.00	9.04
68.90	1.00	9.04
72.20	1.00	9.04
75.50	1.00	9.05
78.70	1.00	9.05
82.00	1.00	9.05
85.30	1.00	9.05
88.60	1.00	9.06
91.90	1.00	9.06
95.10	1.00	9.06
98.40	1.00	9.06
101.70	1.00	9.06
105.00	1.00	9.07
108.30	1.00	9.07
111.50	1.00	9.07
114.80	1.00	9.07
118.10	1.00	9.08
121.40	1.00	9.08
124.70	1.00	9.08
128.00	1.00	9.08
131.20	1.00	9.09
134.50	1.00	9.09
137.80	1.00	9.09
141.10	1.00	9.09
144.40	1.00	9.09
147.60	1.00	9.10
150.90	1.00	9.10
154.20	1.00	9.10
157.50	1.00	9.10
160.80	1.00	9.10
164.00	1.00	9.11
167.30	1.00	9.11
170.60	1.00	9.11
173.90	1.00	9.11
177.20	1.00	9.11
180.40	1.00	9.12
183.70	1.00	9.12
187.00	1.00	9.12
190.30	1.00	9.12
193.60	1.00	9.12
196.80	1.00	9.13
200.10	1.00	9.13
203.40	1.00	9.13
206.70	1.00	9.13
210.00	1.00	9.13
213.30	1.00	9.14
216.50	1.00	9.14
219.80	1.00	9.14
223.10	1.00	9.14
226.40	1.00	9.14
229.70	1.00	9.14
232.90	1.00	9.14
236.20	1.00	9.15
239.50	1.00	9.15
242.80	1.00	9.15
246.10	1.00	9.15
249.30	1.00	9.15
252.60	1.00	9.15
255.90	1.00	9.15
259.20	1.00	9.15
262.50	1.00	9.16
265.70	1.00	9.16
269.00	1.00	9.16
272.30	1.00	9.16
275.60	1.00	9.16
278.90	1.00	9.16
282.20	1.00	9.16
285.40	1.00	9.17
288.70	1.00	9.17
292.00	1.00	9.17
295.30	1.00	9.17
298.60	1.00	9.17
301.80	1.00	9.17
305.10	1.00	9.18
308.40	1.00	9.18
311.70	1.00	9.18
315.00	1.00	9.18
318.20	1.00	9.18
321.50	1.00	9.18
324.80	1.00	9.18
328.10	1.00	9.18
331.40	1.00	9.18
334.60	1.00	9.19
337.90	1.00	9.19
341.20	1.00	9.19
344.50	1.00	9.19
351.00	1.00	9.19
354.30	1.00	9.19
357.60	1.00	9.19
360.90	1.00	9.19
364.20	1.00	9.19
367.50	1.00	9.20
370.70	1.00	9.20
374.00	1.00	9.20
377.30	1.00	9.20
380.60	1.00	9.20
383.90	1.00	9.20
387.10	1.00	9.20
390.40	1.00	9.20
393.70	1.00	9.21

397.00	1.00	9.21
400.30	1.00	9.21
403.50	1.00	9.21
406.80	1.00	9.21
410.10	1.00	9.21
413.40	1.00	9.21
416.70	1.00	9.21
423.20	1.00	9.21
426.50	1.00	9.20
429.80	1.00	9.20
433.10	1.00	9.20
436.40	1.00	9.19
439.60	1.00	9.19
442.90	1.00	9.19
446.20	1.00	9.18
449.50	1.00	9.18
452.80	1.00	9.03
456.00	1.00	9.14
459.30	1.00	9.27
462.60	1.00	9.41
465.90	1.00	9.55
469.20	1.00	9.70
472.40	1.00	9.86
475.70	1.00	10.04
479.00	1.00	10.23
482.30	1.00	10.41
485.60	1.00	10.60
488.80	1.00	10.80
492.10	1.00	11.01
495.40	1.00	11.22

PART5 LOCATION OF V ZONES		LOCATION OF ZONE		
STATION OF GUTTER		WINDWARD		
PART6 NUMBERED A ZONES AND V ZONES				
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION		FHF
0.00	19.55			
1.00	19.55	V22 EL=20		120
2.00	19.54	V22 EL=20		120
3.30	19.54	V22 EL=20		120
6.60	19.53	V22 EL=20		120
9.80	19.52	V22 EL=20		120
13.10	19.51	V22 EL=20		120
16.40	19.51	V22 EL=20		120
19.70	19.51	V22 EL=20		120
23.00	19.51	V22 EL=20		120
26.20	19.50	V22 EL=20		120
29.50	19.50	V22 EL=20		120
32.80	19.50	V22 EL=20		120
35.16	19.50	V22 EL=19		120
36.10	19.50	V22 EL=19		120
39.40	19.50	V22 EL=19		120
42.70	19.50	V22 EL=19		120
45.90	19.50	V22 EL=19		120
49.20	19.50	V22 EL=19		120
52.50	19.49	V22 EL=19		120
55.80	19.49	V22 EL=19		120
59.10	19.49	V22 EL=19		120
62.30	19.49	V22 EL=19		120
65.60	19.49	V22 EL=19		120
68.90	19.49	V22 EL=19		120
72.20	19.49	V22 EL=19		120
75.50	19.48	V22 EL=19		120
78.70	19.48	V22 EL=19		120
82.00	19.48	V22 EL=19		120
85.30	19.48	V22 EL=19		120
88.60	19.48	V22 EL=19		120
91.90	19.48	V22 EL=19		120
95.10	19.48	V22 EL=19		120
98.40	19.48			

101.70	19.47	V23	EL=19	130
105.00	19.47	V23	EL=19	130
108.30	19.47	V23	EL=19	130
111.50	19.47	V23	EL=19	130
114.80	19.47	V23	EL=19	130
118.10	19.46	V23	EL=19	130
121.40	19.46	V23	EL=19	130
124.70	19.46	V23	EL=19	130
128.00	19.46	V23	EL=19	130
131.20	19.46	V23	EL=19	130
134.50	19.46	V23	EL=19	130
137.80	19.45	V23	EL=19	130
141.10	19.45	V23	EL=19	130
144.40	19.45	V23	EL=19	130
147.60	19.45	V23	EL=19	130
150.90	19.45	V23	EL=19	130
154.20	19.44	V23	EL=19	130
157.50	19.44	V23	EL=19	130
160.80	19.44	V23	EL=19	130
164.00	19.44	V23	EL=19	130
167.30	19.44	V23	EL=19	130
170.60	19.43	V23	EL=19	130
173.90	19.43	V23	EL=19	130
177.20	19.43	V23	EL=19	130
180.40	19.43	V23	EL=19	130
183.70	19.43	V23	EL=19	130
187.00	19.42	V23	EL=19	130
190.30	19.42	V23	EL=19	130
193.60	19.42	V23	EL=19	130
196.80	19.42	V23	EL=19	130
200.10	19.41	V23	EL=19	130
203.40	19.41	V23	EL=19	130
206.70	19.41	V23	EL=19	130
210.00	19.41	V23	EL=19	130
213.30	19.40	V23	EL=19	130
216.50	19.40	V23	EL=19	130
219.80	19.40	V23	EL=19	130
223.10	19.39	V23	EL=19	130
226.40	19.38	V23	EL=19	130
229.70	19.36	V23	EL=19	130
232.90	19.35	V23	EL=19	130
236.20	19.34	V23	EL=19	130
239.50	19.33	V23	EL=19	130
242.80	19.32	V23	EL=19	130
246.10	19.31	V23	EL=19	130
249.30	19.29	V23	EL=19	130
252.60	19.28	V23	EL=19	130
255.90	19.27	V23	EL=19	130
259.20	19.26	V23	EL=19	130
262.50	19.24	V23	EL=19	130
265.70	19.23			

		V23	EL=19	130
269.00	19.22			
		V23	EL=19	130
272.30	19.21			
		V23	EL=19	130
275.60	19.20			
		V23	EL=19	130
278.90	19.18			
		V23	EL=19	130
282.20	19.17			
		V23	EL=19	130
285.40	19.16			
		V23	EL=19	130
288.70	19.15			
		V23	EL=19	130
292.00	19.14			
		V23	EL=19	130
295.30	19.12			
		V23	EL=19	130
298.60	19.11			
		V23	EL=19	130
301.80	19.10			
		V23	EL=19	130
305.10	19.09			
		V23	EL=19	130
308.40	19.07			
		V23	EL=19	130
311.70	19.06			
		V23	EL=19	130
315.00	19.05			
		V23	EL=19	130
318.20	19.03			
		V23	EL=19	130
321.50	19.01			
		V23	EL=19	130
324.80	19.00			
		V23	EL=19	130
328.10	18.98			
		V23	EL=19	130
331.40	18.97			
		V23	EL=19	130
334.60	18.95			
		V23	EL=19	130
337.90	18.93			
		V23	EL=19	130
341.20	18.92			
		V23	EL=19	130
344.50	18.90			
		V23	EL=19	130
347.80	18.89			
		V23	EL=19	130
351.00	18.87			
		V23	EL=19	130
354.30	18.86			
		V23	EL=19	130
357.60	18.84			
		V23	EL=19	130
360.90	18.82			
		V23	EL=19	130
364.20	18.81			
		V23	EL=19	130
367.50	18.79			
		V23	EL=19	130
370.70	18.78			
		V23	EL=19	130
374.00	18.76			
		V23	EL=19	130
377.30	18.75			
		V23	EL=19	130
380.60	18.73			
		V23	EL=19	130
383.90	18.71			
		V23	EL=19	130
387.10	18.70			
		V23	EL=19	130
390.40	18.68			
		V23	EL=19	130
393.70	18.67			
		V23	EL=19	130
397.00	18.65			
		V23	EL=19	130
400.30	18.63			
		V23	EL=19	130
403.50	18.62			
		V23	EL=19	130
406.80	18.60			
		V23	EL=19	130
410.10	18.59			
		V23	EL=19	130
413.40	18.57			
		V23	EL=19	130
416.70	18.56			
		V23	EL=19	130
419.90	18.50			
		V23	EL=18	130
419.90	18.50			
		V23	EL=18	130
423.20	18.15			
		V23	EL=18	130
426.50	17.79			
		V23	EL=18	130
429.24	17.50			

429.80	17.44	V23	EL=17	130
433.10	17.08	V23	EL=17	130
436.40	16.73	V23	EL=17	130
438.45	16.50	V23	EL=17	130
439.60	16.37	V23	EL=16	130
442.90	16.02	V23	EL=16	130
446.20	15.66	V23	EL=16	130
447.66	15.50	V23	EL=15	130
449.50	15.30	V23	EL=15	130
450.46	14.50	V23	EL=14	130
451.67	13.50	V23	EL=13	130
452.80	12.56	V23	EL=13	130
454.48	12.50	V23	EL=12	130
456.00	12.45	V23	EL=12	130
459.30	12.36	V23	EL=12	130
462.60	12.27	V23	EL=12	130
465.90	12.18	V23	EL=12	130
469.20	12.10	V24	EL=12	140
472.40	12.00	V24	EL=12	140
472.84	12.05	A21	EL=12	110
475.70	11.90	A21	EL=12	110
479.00	11.81	A21	EL=12	110
482.30	11.72	A21	EL=12	110
485.60	11.63	A21	EL=12	110
488.80	11.56	A21	EL=12	110
491.79	11.50	A21	EL=11	110
492.10	11.49	A21	EL=11	110
495.40	11.43	A21	EL=11	110
497.20	11.23			

ZONE TERMINATED AT END OF TRANSECT  
PART 7 POSTSCRIPT NOTES

PS# 1 START(404019.8044,4833822.5918)  
PS# 2 END(403962.9959,4834037.0921)

-1.000000e+00