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

Executed on: Thu Feb 20 14:57:37 2020

Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-151.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-151.out

				,		PART1 INPUT					
	IE OF	0.000 3.300	-18.358 -18.358	1.000 0.000	1.000 8.918	8.918 0.000	4.744	8.650 0.000	56.140 0.000	0.000	0.000
	OF	6.600	-18.358	0.000	8.918	0.000	0.000	0.000	0.000	0.000	0.000
	OF	9.800	-18.358	0.000	8.918	0.000	0.000	0.000	0.000	0.000	0.000
	OF OF	13.100 16.400	-18.358 -18.358	0.000	8.918 8.918	0.000	0.000	0.000	0.000	0.000	0.000
	OF	19.700	-18.358	0.000	8.918	0.000	0.000	0.000	0.000	0.000	0.000
	IF	337.900	4.579	0.000	8.930	0.000	0.000	0.000	0.000	0.068	0.000
	IF IF	341.200 344.500	3.597 2.911	0.000	8.952 8.961	0.000 0.000	0.000	0.000	0.000	-0.253 -0.156	0.000
	IF	347.800	2.568	0.000	8.965	0.000	0.000	0.000	0.000	-0.119	0.000
	IF	351.000	2.136	0.000	8.968	0.000	0.000	0.000	0.000	-0.069	0.000
	IF IF	354.300 357.600	2.117 2.424	0.000	8.968 8.967	0.000	0.000	0.000	0.000	0.044 0.095	0.000
	IF	360.900	2.744	0.000	8.965	0.000	0.000	0.000	0.000	0.047	0.000
	IF IF	364.200 367.500	2.737 2.930	0.000	8.965 8.965	0.000 0.000	0.000	0.000	0.000	0.028 0.066	0.000
	IF	370.700	3.168	0.000	8.963	0.000	0.000	0.000	0.000	0.054	0.000
	IF	374.000	3.280	0.000	8.964	0.000	0.000	0.000	0.000	0.029	0.000
	IF IF	377.300 380.600	3.361 3.444	0.000	8.964 8.965	0.000	0.000	0.000	0.000	0.025 0.012	0.000
	IF	383.900	3.440	0.000	8.966	0.000	0.000	0.000	0.000	-0.026	0.000
	IF IF	387.100 390.400	3.275 3.201	0.000	8.969 8.971	0.000	0.000	0.000	0.000	-0.037 -0.001	0.000
	IF	393.700	3.272	0.000	8.971	0.000	0.000	0.000	0.000	0.109	0.000
	IF	397.000	3.918	0.000	8.966	0.000	0.000	0.000	0.000	0.182	0.000
	IF IF	400.300 403.500	4.475 4.540	0.000	8.962 8.966	0.000 0.000	0.000	0.000	0.000	0.096 0.020	0.000
	IF	406.800	4.604	0.000	8.970	0.000	0.000	0.000	0.000	0.061	0.000
	IF	410.100	4.944	0.000	8.971	0.000	0.000	0.000	0.000	0.127	0.000
	IF IF	413.400 416.700	5.443 6.170	0.000	8.972 8.974	0.000 0.000	0.000	0.000	0.000	0.186 0.224	0.000
	IF	419.900	6.900	0.000	8.983	0.000	0.000	0.000	0.000	0.225	0.000
	IF IF	423.200 426.500	7.630 8.468	0.000	9.075 9.292	0.000 0.000	0.000	0.000	0.000	0.237 0.309	0.000
	IF	428.000	9.114	0.000	9.292	0.000	0.000	0.000	0.000	0.458	0.000
	IF ET	428.300 0.000	9.292 0.000	0.000	9.292 0.000	0.000	0.000	0.000	0.000	0.591 0.000	0.000
1								0.000			0.000
	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR		INITIAL WAVE HEIGHT	INITIAL W. PERIOD		BOTTOM SLOPE	AVERAGE A-ZONES	
IE	0.000	-18.358	1.000	1.000	8.918	4.744	8.650	56.140	0.000	0.000	
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES	
OF	3.300	-18.358	0.000	8.918	0.000	0.000	0.000	0.000	0.000	0.000	
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE	
OF	STATION 6.600	ELEVATION -18.358	10-YEAR 0.000	100-YEAR 8.918	0.000	0.000	0.000	0.000	SLOPE 0.000	A-ZONES 0.000	
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE	
OF	STATION 9.800	ELEVATION -18.358	10-YEAR 0.000	100-YEAR 8.918	0.000	0.000	0.000	0.000	SLOPE 0.000	A-ZONES 0.000	
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE	
OF	STATION 13.100	ELEVATION -18.358	10-YEAR 0.000	100-YEAR 8.918	0.000	0.000	0.000	0.000	SLOPE 0.000	A-ZONES 0.000	
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE	
OF	STATION 16.400	ELEVATION -18.358	10-YEAR 0.000	100-YEAR 8.918	0.000	0.000	0.000	0.000	SLOPE 0.000	A-ZONES 0.000	
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE	
OF	STATION 19.700	ELEVATION -18.358	10-YEAR 0.000	100-YEAR 8.918	0.000	0.000	0.000	0.000	SLOPE 0.071	A-ZONES 0.000	
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE	
TD	STATION 337.900	ELEVATION	10-YEAR	100-YEAR	0 000	0.000	0.000	0 000	SLOPE	A-ZONES	
IF	END	4.579 END	0.000 NEW SURGE	8.930 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE	
IF	STATION 341.200	ELEVATION 3.597	10-YEAR 0.000	100-YEAR	0.000	0.000	0.000	0.000	SLOPE -0.253	A-ZONES	
1r	END	END	NEW SURGE	8.952 NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	0.000 AVERAGE	
	STATION	ELEVATION	10-YEAR	100-YEAR	0 000	0.000	0.000	0 000	SLOPE	A-ZONES	
IF	344.500 END	2.911 END	0.000 NEW SURGE	8.961 NEW SURGE	0.000	0.000	0.000	0.000	-0.156 BOTTOM	0.000 AVERAGE	
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES	
IF	347.800 END	2.568 END	0.000 NEW SURGE	8.965 NEW SURGE	0.000	0.000	0.000	0.000	-0.119 BOTTOM	0.000 AVERAGE	
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES	
IF	351.000 END	2.136 END	0.000 NEW SURGE	8.968 NEW SURGE	0.000	0.000	0.000	0.000	-0.069 BOTTOM	0.000 AVERAGE	
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES	
IF	354.300 END	2.117 END	0.000 NEW SURGE	8.968 NEW SURGE	0.000	0.000	0.000	0.000	0.044 BOTTOM	0.000 AVERAGE	
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES	
IF	357.600 END	2.424 END	0.000 NEW SURGE	8.967 NEW SURGE	0.000	0.000	0.000	0.000	0.095 BOTTOM	0.000 AVERAGE	
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES	
IF	360.900	2.744	0.000	8.965	0.000	0.000	0.000	0.000	0.047	0.000	
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES	
IF	364.200	2.737	0.000	8.965	0.000	0.000	0.000	0.000	0.028	0.000	
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES	
IF	367.500	2.930	0.000	8.965	0.000	0.000	0.000	0.000	0.066	0.000	
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES	
IF	370.700	3.168	0.000	8.963	0.000	0.000	0.000	0.000	0.054	0.000	

STATION STATION STATE STATION STORE STATION SLEVATION 10-YEAR 100-YEAR		FILE	F14TD	MEN CHECH	MEN CHECK					DOMMON!	311ED 3 GE
The color The		END			NEW SURGE					BOTTOM	AVERAGE
STATION SELVATION 10-YEAR 100-YEAR						0 000	0 000	0 000	0 000		
STATION ELEVATION 10-YEAR 100-YEAR	T.F.					0.000	0.000	0.000	0.000		
The Stration Str											
STATION SUBJECT SUBJ						0 000	0 000	0 000	0 000		
STATION SLEVATION 10-YEAR 100-YEAR	T.F.					0.000	0.000	0.000			
STATION SLEVATION 10-YEAR 100-YEAR										BOITOM	
STATION SLEVATION 10-YEAR 100-YEAR						0 000	0 000	0 000	0 000	SLOPE	
STATION SLEVATION 10-YEAR 100-YEAR	T.F.					0.000	0.000	0.000	0.000	0.012	
F										BOITOM	
SEND						0 000	0 000	0 000	0 000	SLOPE	
STATION SLEVATION 10-YEAR 100-YEAR	T.F.					0.000	0.000	0.000	0.000	-U.U26	
Temporal											
STATION STAT	T 177					0 000	0 000	0 000	0 000	SLOPE	
STATION SLEVATION 10-YEAR 100-YEAR	11		3.Z/5	NEW CIDCE		0.000	0.000	0.000	0.000	-U.U3/	
STATION SICHATION SINCE											
REND	T 177				100-1EAR	0 000	0 000	0 000	0 000	SLOPE 0 001	
STATION SURVINION 10-YEAR 100-YEAR 0.000 0	11				NEW CUDGE	0.000	0.000	0.000			
STATION SLEVATION 10-YEAR 100-YEAR 0.000 8.966 0.000 0										DOLLOW	
STATION SLEVATION 10-YEAR 100-YEAR 0.000 8.966 0.000 0	TE					0 000	0 000	0 000	0 000	0 100	
STATION SLEVATION 10-YEAR 100-YEAR 0.000 8.966 0.000 0	IF					0.000	0.000	0.000	0.000	DOTTOM	
STATION CLEVATION 10-YEAR 100-YEAR										CLODE	
STATION CLEVATION 10-YEAR 100-YEAR	TE					0 000	0 000	0 000	0 000	0 192	
STATION CLEVATION 10-YEAR 100-YEAR	IF					0.000	0.000	0.000	0.000	DOTTOM	
STATION SEPARATION SEPARATION STATION SEPARATION SEPARATIO										BOITOM	
STATION SEPARATION SEPARATION STATION SEPARATION SEPARATIO	TE			0 000		0 000	0 000	0 000	0 000	0 006	
STATION ELEVATION 10-YEAR 100-YEAR	TL					0.000	0.000	0.000	0.000	BOTTOM	
Temporary Figure											
END	TE					0 000	0 000	0 000	0 000		
STATION	TT					0.000	0.000	0.000	0.000	BOTTOM	
The black Figure											
END	TE					0 000	0 000	0 000	0 000		
STATION ELEVATION 10-YEAR 100-YEAR	TT					0.000	0.000	0.000			
STATION ELEVATION 10-YEAR 100-YEAR										SLOPE	
STATION ELEVATION 10-YEAR 100-YEAR	TE					0 000	0 000	0 000	0 000	0 127	
STATION ELEVATION 10-YEAR 100-YEAR						0.000	0.000	0.000	0.000	BOTTOM	
STATION ELEVATION 10-YEAR 100-YEAR										SLOPE	
STATION ELEVATION 10-YEAR 100-YEAR	TF					0 000	0 000	0 000	0 000	0 186	
STATION ELEVATION 10-YEAR 100-YEAR						0.000	0.000	0.000	0.000	BOTTOM	
Text											
END	TF					0 000	0 000	0 000	0 000	0 224	
STATION ELEVATION 10-YEAR 100-YEAR 30.000 0.000 0.000 0.000 0.000 0.000 0.225 0.000 0.000 0.000 0.225 0.000 0.000 0.000 0.000 0.225 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.225 0.000			END			0.000	0.000	0.000	0.000	BOTTOM	
Temporary Temp										SLOPE	
END	TF					0 000	0 000	0 000	0 000	0 225	
STATION ELEVATION 10-YEAR 100-YEAR 20.000 0.000			END	NEW SURGE		0.000	0.000	0.000			
STATION ELEVATION 10-YEAR 100-YEAR 100-YEAR			ELEVATION	10-YEAR						SLOPE	
STATION ELEVATION 10-YEAR 100-YEAR 100-YEAR	IF					0.000	0.000	0.000	0.000	0.237	
STATION ELEVATION 10-YEAR 100-YEAR 100-YEAR										BOTTOM	
STATION ELEVATION 10-YEAR 100-YEAR SLOPE A-ZONES IF 428.000 9.114 0.000 9.292 0.000 0.000 0.000 0.000 0.458 0.000 END END END NEW SURGE NEW SURGE BOTTOM AVERAGE BOTTOM AVERAGE										SLOPE	
STATION ELEVATION 10-YEAR 100-YEAR SLOPE A-ZONES IF 428.000 9.114 0.000 9.292 0.000 0.000 0.000 0.000 0.458 0.000 END END END NEW SURGE NEW SURGE BOTTOM AVERAGE BOTTOM AVERAGE	IF					0.000	0.000	0.000	0.000	0.309	
STATION ELEVATION 10-YEAR 100-YEAR SLOPE A-ZONES IF 428.000 9.114 0.000 9.292 0.000 0.000 0.000 0.000 0.458 0.000 END END END NEW SURGE NEW SURGE BOTTOM AVERAGE BOTTOM AVERAGE										BOTTOM	
IF 428.000 9.114 0.000 9.292 0.000 0.000 0.000 0.458 0.000 END END NEW SURGE NEW SURGE NEW SURGE BOTTOM AVERAGE STATION ELEVATION 10-YEAR 100-YEAR SLOPE A-ZONES IF 428.300 9.292 0.000 0.000 0.000 0.000 0.591 0.000										SLOPE	
END END NEW SURGE NEW SURGE STATION ELEVATION 10-YEAR 100-YEAR 100	IF					0.000	0.000	0.000	0.000	0.458	
STATION ELEVATION 10-YEAR 100-YEAR SLOPE A-ZONES		END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF 428.300 9.292 0.000 9.292 0.000 0.000 0.000 0.000 0.591 0.000		STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
END OF TRANSECT	IF	428.300	9.292	0.000	9.292	0.000	0.000	0.000	0.000	0.591	0.000
						-END OF TRANS	ECT				

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

	PART2:	CONTROLLING WAV				
T OGD TITOM		PEAK WAVE PERIOD, AND WAVE CREST ELEVATION CONTROLLING SPECTRAL PEAK WAVE CREST				
LOCATION			WAVE PERIOD	WAVE CREST ELEVATION		
ΙE	0.00	4.74	8.65	12.24		
OF	3.30	4.75	8.65	12.24		
OF	6.60	4.75	8.65	12.24		
OF	9.80	4.75	8.65	12.24		
OF	13.10	4.75	8.65	12.24		
OF	16.40	4.75	8.65	12.24		
OF	19.70	4.75	8.65	12.24		
Or	146.98	5.30	8.65	12.63		
	258.35	6.16	8.65	13.24		
IF	337.90	3.33	8.65	11.26		
IF	341.20	3.50	8.65	11.40		
IF	344.50	3.61	8.65	11.48		
IF	347.80	3.67	8.65	11.53		
IF	351.00	3.68	8.65	11.55		
IF	354.30	3.68	8.65	11.54		
IF	357.60	3.69	8.65	11.55		
IF	360.90	3.64	8.65	11.51		
IF	364.20	3.64	8.65	11.51		
IF	367.50	3.61	8.65	11.49		
IF	370.70	3.57	8.65	11.47		
IF	374.00	3.56	8.65	11.46		
IF	377.30	3.55	8.65	11.45		
IF	380.60	3.54	8.65	11.44		
IF	383.90	3.54	8.65	11.45		
IF	387.10	3.57	8.65	11.47		
IF	390.40	3.58	8.65	11.48		
IF	393.70	3.57	8.65	11.47		
IF	397.00	3.48	8.65	11.40		
IF	400.30	3.38	8.65	11.33		
IF	403.50	3.37	8.65	11.33		
IF	406.80	3.35	8.65	11.31		
IF	410.10	3.09	8.65	11.13		
IF	413.40	2.71	8.65	10.87		
IF	416.70	2.16	8.65	10.49 10.11		
IF IF	419.90 423.20	1.61 1.12	8.65 8.65	9.86		
IF	423.20	0.64	8.65	9.86		
1.F	420.50	0.04	0.05	J./4		

IF 428.00 IF 428.30 PART3 LOCATION OF AR NO AREAS ABOVE 100-Y PART4 LOCA	0.14 0.01 EAS ABOVE 100 EAR SURGE IN TION OF SURGE	THIS T	SURGE FRANSECT	9.39 9.30
337.90 341.20 344.50 347.80 351.00 357.60 360.90 370.70 374.00 383.90 387.10 390.40 397.00 400.30 400.30 406.80 410.10 413.40 416.70 419.90 423.20 426.50				SURGE
STATION OF GUTT 410.89 PART6 NIM		WINI	ON OF ZONE OWARD 7 ZONES	
STATION OF GUTTER E 0.00				FHF
19.70	12.24	V22	EL=12	120
104.24	12.50	V22	EL=12	120
288.17	12.50	V22	EL=13	120
328.40	11.50	V22	EL=12	120
337.90	11.26	V22	EL=11	120
341.20	11.40	V22	EL=11	120
344.50	11.48	V22	EL=11	120
345.61	11.50	V22	EL=11	120
347.80	11.53	V22	EL=12	120
351.00	11.55	V22	EL=12	120
354.30	11.54	V22	EL=12	120
357.60	11.55	V22	EL=12	120
360.90	11.51	V22	EL=12	120
366.39	11.50	V22	EL=12	120
367.50	11.49	V22	EL=11	120
370.70	11.47	V22	EL=11	120
374.00	11.46	V22	EL=11	120
377.30	11.45	V22	EL=11	120
380.60	11.44	V22	EL=11	120
383.90	11.45	V22	EL=11	120
387.10	11.47	V22	EL=11	120
390.40	11.48	V22	EL=11	120
393.70	11.47	V22	EL=11	120
397.00	11.40	V22	EL=11	120
400.30	11.33	V22	EL=11	120
403.50	11.33	V22	EL=11	120
406.80	11.31	V22	EL=11	120
410.10	11.13	V22	EL=11	120
410.89	11.07	V22	EL=11	120
413.40	10.87	A18	EL=11	90
416.59	10.50	A18	EL=11	90
416.70	10.49	A18	EL=10	90
419.90	10.11	A18	EL=10	90
		A18	EL=10	90

120.50				
428.30	9.30	A18	EL= 9	90
427.53	9.50			
426.50	9.74	A18	EL=10	90
406 50	0.74	A18	EL=10	90
423.20	9.86			

PS# 1 START(426724.0833,4852732.7827)

9.30

ZONE TERMINATED AT END OF TRANSECT PART 7 POSTSCRIPT NOTES
PS# 2 END(426784.4463,4852732.7827)

-1.000000e+00