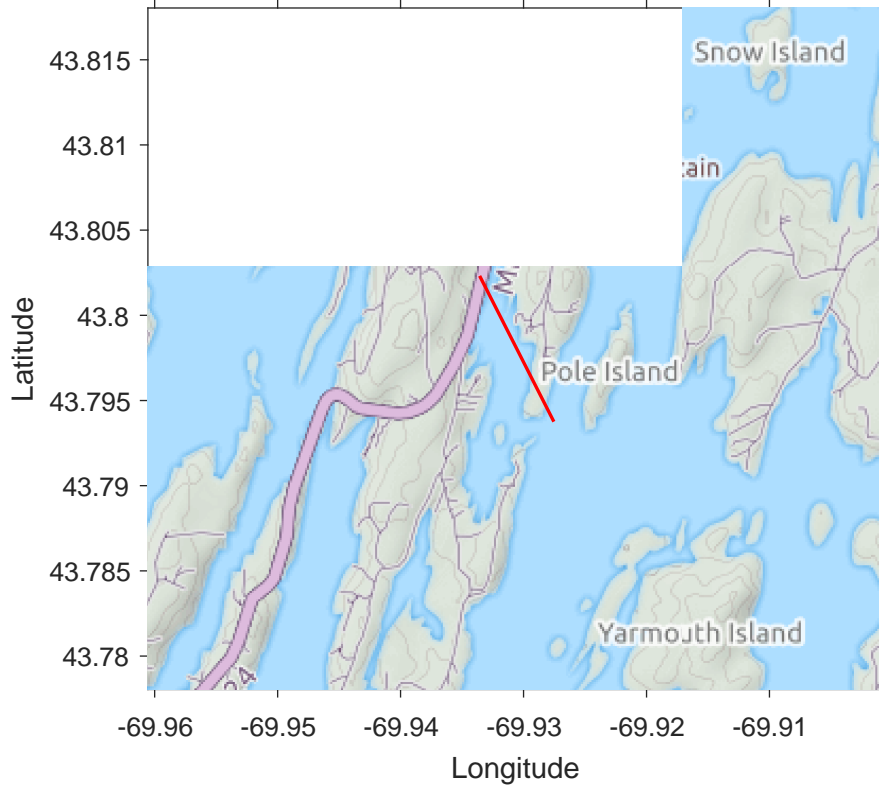
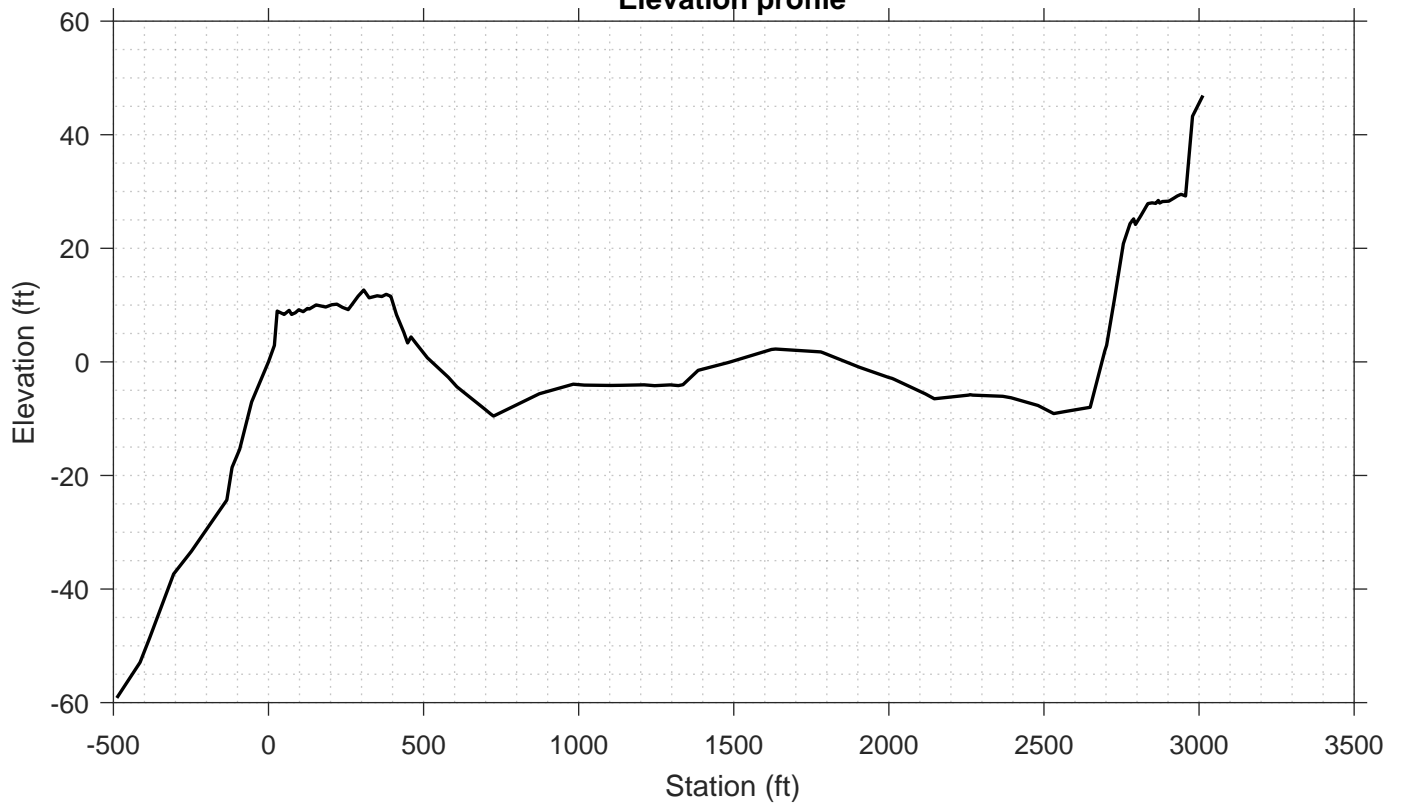


**Transect Number: CM-149-1**



**Elevation profile**



---

DATA LOG FOR TRANSECT ID: CM-149-1

---

---

PART 1: USER INPUT

SWAN 1-D / WHAFIS input

---

station: -395 ft  
LON: -69.9277 deg E  
LAT: 43.794 deg N  
Bottom ELEV: -50.2573 ft-NAVD88  
TWL: 8.8764 ft-NAVD88  
HS: 4.2661 ft  
TP: 10.7504 sec  
Wave Direction bin: 135 deg CCW from East (90 deg sector)  
Transect Direction: 125.2055 deg CCW from East

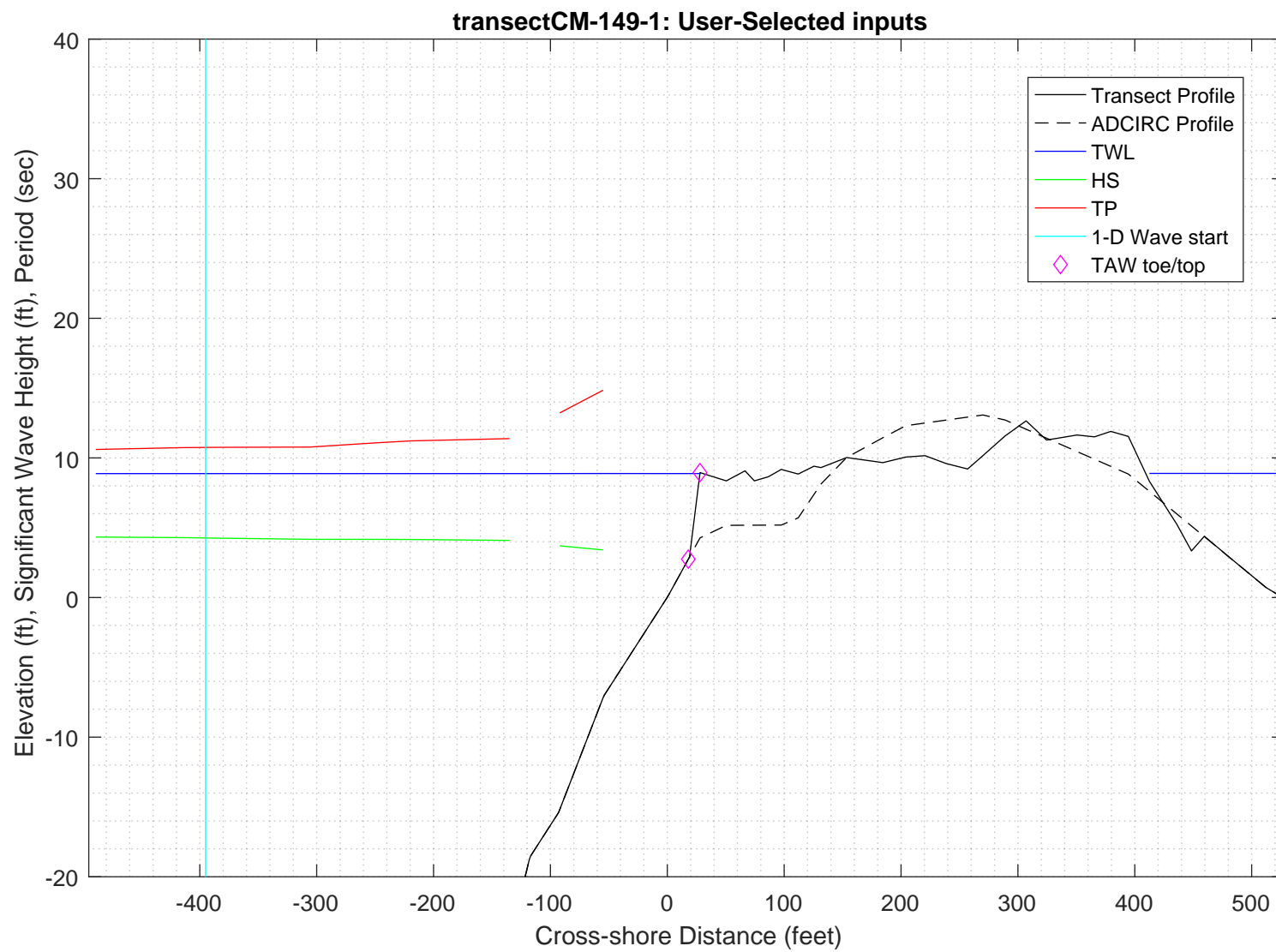
TAW/RUNUP input

---

toe sta: 18 ft  
toe elev: 2.7485 ft-NAVD88  
top sta: 28 ft  
top elev: 8.9469 ft-NAVD88  
\*Wave and water level conditions at toe to be calculated in SWAN 1-D\*

PART 1 COMPLETE

---



---

PART 2: SWAN 1-D

swan input grid name: 2\_swan/gridfiles/CM-149-1zmeters\_xmeters.grd  
swan file name: 2\_swan/swanfiles/CM-149-1.swn  
swan output name: 2\_swan/swanfiles/CM-149-1.dat

Boundary Conditions:

TWL- 2.7055 meters  
HS- 1.3003 meters  
PER- 10.7504 seconds

Batch File: 2\_swan/swanfiles/runswan.dat

SWAN maximum additional wave setup: 0.33328 feet

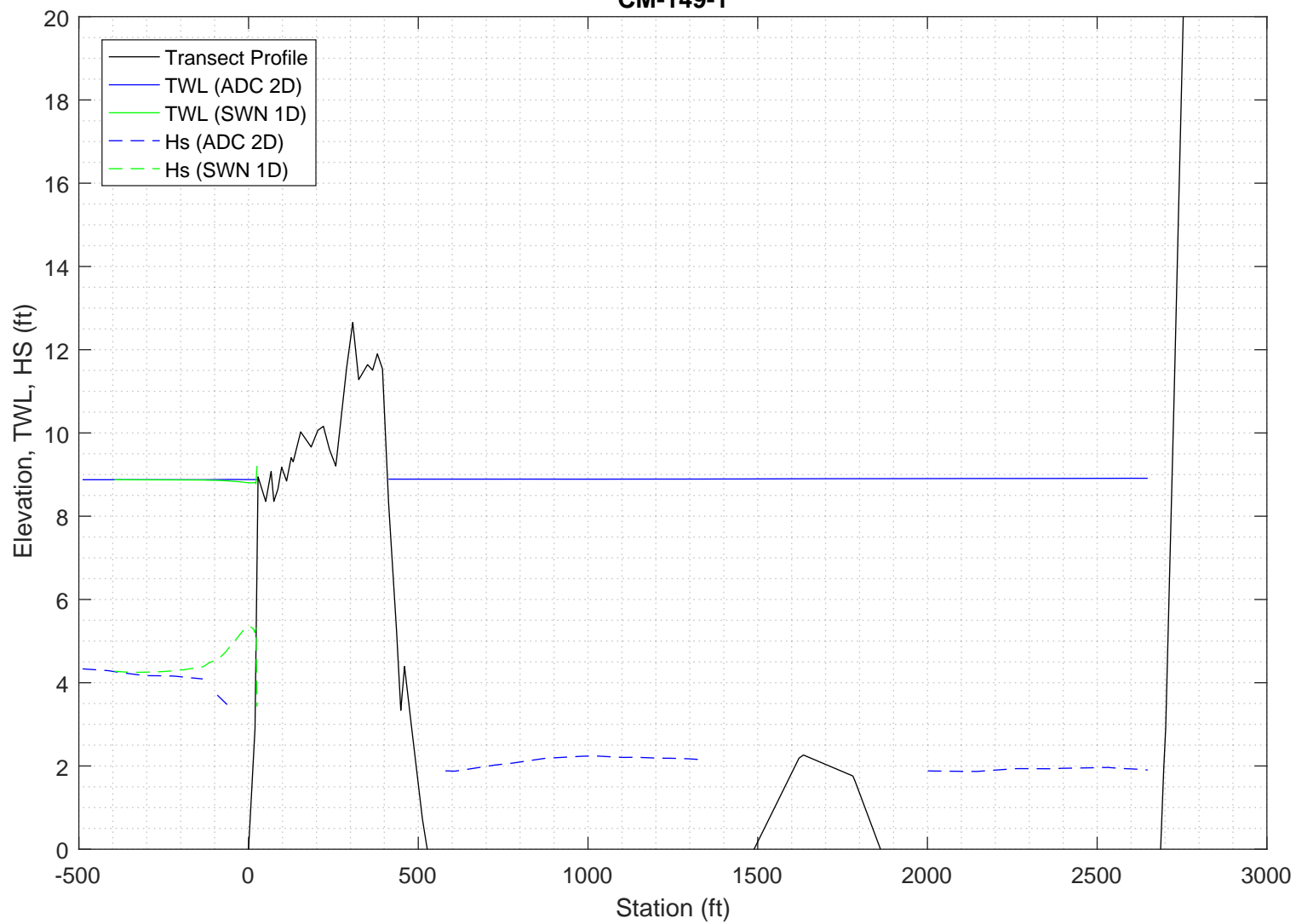
SWAN output at toe:

SETUP- -0.062926 feet  
HS- 5.21 feet  
PER- 10.9082 seconds

PART 2 COMPLETE

---

**2-D ADCIRC+SWAN and SWAN 1-D results, Transect:  
CM-149-1**



Execution started at 20200220.141948

```

-----
                        SWAN
SIMULATION OF WAVES IN NEAR SHORE AREAS
VERSION NUMBER 41.20A
-----

```

```

PROJECT '2018FemaAppeal' '1'
    '100-year Wind and Wave conditions'
! -- SET commands -----
SET DEPMIN=0.01 MAXMES=999 MAXERR=3 PWTAIL=4
SET LEVEL 0
SET CARTESIAN
! -- MODE commands -----
MODE STATIONARY ONED
!-- COORDINATES commands-----
COORDINATES CART
!
! -- computational (CGRID) grid commands -----
!
!                               xlenc=length of grid in meters
! mxc = number of mesh cells (one less than number of grid points)
!CGRID REGular [xpc] [ypc] [alpc] [xlenc] [ylenc] [mxc] [myc] &
!      [ CIRCle|SECTor[dir1] [dir2] ] [mdc] [flow] [fhigh] [msc]
CGRID REGULAR    0      0      0      128      0.  128      0      &
CIRCLE           36      0.03  0.8      30
Resolution in sigma-space: df/f = 0.1157
! -- READgrid ---- not used in 1-D mode -----
! -- INPgrid commands -----
!INPgrid BOTtom REGular [xpinp] [ypinp] [alpinp] [mxinp] [myinp] [dxinp] [dyinp]
!
INPGRID BOTTOM REGULAR    0      0      0      128    0      1      1
!READinp BOTtom [fac] 'fname1' [idla] [nhedf] [FREe|FORmat[form]|UNFormatted]
READ    BOTTOM    -1. '../gridfiles/CM-149-1zmeters_xmeters.grd'    1      0      FREE
!-----
! -- WIND [vel] [dir]
WIND      25.1  0
! -- BOUNd SHAPespec
BOUND SHAPE JONSWAP 3.3  PEAK DSPR POWER
! -- BOUNdspec
! BOU SIDE W CCW CON FILE 'swanspec.txt' 1
BOUN SIDE W CCW CONSTANT PAR    1.3003    10.7504    0  2
!-- BOUNdnest1 - optional for boundary from parent run
!-- BOUNdnest2
!-- BOUNdnest3
!-- INITIAL -- usest to specify initial values
!

```

```

!----- P H Y S I C S -----
!-- GEN1 [cf10] [cf20] [cf30] [cf40] [edmlpm] [cdrag] [umin] [cfpm]
!-- GEN2 [cf10] [cf20] [cf30] [cf40] [cf50] [cf60] [edmlpm] [cdrag] [umin] [cfpm]
      GEN3 KOMEN
!   whitecapping ( on by default)
!-- WCAPping KOMen [cds2] [stpm] [powst] [delta] [powk]
      WCAP KOM
!   quadruplet wave interactions
!-- QUADrupl [iquad] [lambda] [Cn14] [Csh1] [Csh2]
! -- BREaking CONstant [alpha] [gamma]
      BREAK      CON      1.      0.73
!-- FRIction JONswap CONstant [cfjon]
      FRIC      JONSWAP CON      0.038
!-- TRIad [itriad] [trfac] [cutfr] [a] [b] [urcrit] [urslim]
! TRIAD      1      0.65      2.5      0.95 -0.75 0.2      0.01
      TRIAD
!-- VEGETation [height] [diamtr] [nstems] [drag]
!-- MUD [layer] [rhom] [viscm]
!- LIMiter [ursell] [qb] deactivates quadruplets with Ursell number exceeds ursell
!-- OBSTacle -- not in 1-D
!-- SETUP [supcor]
      SETUP      0
!
! ----- N U M E R I C S -----
!
!-- PROP can use BBST or GSE instead of default
! -- NUMeric -- lots of options
!   NUM ACCUR npnts=100. stat 30
      NUMeric STOPC
!
! -----O U T P U T -----
!
!OUTPut OPTIOns "comment' (TABLE [field]) (BLOck [ndec] [len]) (SPEC [ndec])
      OUTPUT OPTIONS '%' TABLE 16
      $BLOCK 9 1000 SPEC 8
!CURve 'sname' [xpl] [yp1] <[int] [xp] [yp] >
      CURVE 'curve' 0      0      128 128      0
!TABLE 'sname' < HEADER|NOHEAdER|INDEXed > 'fname' <output parameters> (output time)
      Table 'curve' HEADER 'CM-149-1.dat' XP YP HSIGN TPS RTP TMM10 DIR &
      DSPR DEPTH SETUP
!QUANTITY XP hexp=99999
!
!-----
COMPUTE STATIONARY
-----
COMPUTATIONAL PART OF SWAN
-----

```

```

One-dimensional mode of SWAN is activated
Gridresolution      : MXC          129 MYC          1
                   : MCGRD         130
                   : MSC           31 MDC           36
                   : MTC           1
                   : NSTATC         0 ITERMX        50
Propagation flags   : ITFRE         1 IREFR         1
Source term flags   : IBOT          1 ISURF         1
                   : IWCAP         1 IWIND          3
                   : ITRIAD        1 IQUAD          2
                   : IVEG           0 ITURBV         0
                   : IMUD           0
Spatial step        : DX           0.1000E+01 DY       0.1000E+01
Spectral bin        : df/f         0.1157E+00 DDIR     0.1000E+02
Physical constants   : GRAV         0.9810E+01 RHO      0.1025E+04
Wind input          : WSPEED       0.2510E+02 DIR       0.0000E+00
Tail parameters     : E(f)         0.4000E+01 E(k)      0.2500E+01
                   : A(f)         0.5000E+01 A(k)      0.3000E+01
Accuracy parameters : DREL         0.1000E-01 NPNTS     0.9950E+02
                   : DHABS        0.0000E+00 CURVAT    0.5000E-02
                   : GRWMX        0.1000E+00
Drying/flooding     : LEVEL        0.0000E+00 DEPMIN    0.1000E-01
The Cartesian convention for wind and wave directions is used
Scheme for geographic propagation is SORDUP
Scheme geogr. space : PROPSC        2 ICMAx         7
Scheme spectral space: CSS          0.5000E+00 CDD      0.5000E+00
Current is off
Quadruplets         : IQUAD         2
                   : LAMBDA       0.2500E+00 CNL4      0.3000E+08
                   : CSH1         0.5500E+01 CSH2      0.8330E+00
                   : CSH3        -0.1250E+01
Maximum Ursell nr for Snl4 : 0.1000E+02
Triads              : ITRIAD        1 TRFAC         0.8000E+00
                   : CUTFR        0.2500E+01 URCRI     0.2000E+00
Minimum Ursell nr for Snl3 : 0.1000E-01
JONSWAP ('73)       : GAMMA        0.3800E-01
Vegetation is off
Turbulence is off
Fluid mud is off
W-cap Komen ('84)   : EMPCOF (CDS2): 0.2360E-04
W-cap Komen ('84)   : APM (STPM)   : 0.3020E-02
W-cap Komen ('84)   : POWST        : 0.2000E+01
W-cap Komen ('84)   : DELTA         : 0.1000E+01
W-cap Komen ('84)   : POWK          : 0.1000E+01
Wind drag is fit
Snyder/Komen wind input
Battjes&Janssen ('78): ALPHA       0.1000E+01 GAMMA    0.7300E+00
Set-up              : SUPCOR        0.0000E+00
Diffraction is off
Janssen ('89,'90)   : ALPHA       0.1000E-01 KAPPA     0.4100E+00
Janssen ('89,'90)   : RHOA        0.1280E+01 RHOW     0.1025E+04

1st and 2nd gen. wind: CF10        0.1880E+03 CF20      0.5900E+00
                   : CF30        0.1200E+00 CF40      0.2500E+03
                   : CF50        0.2300E-02 CF60      -0.2230E+00
                   : CF70        0.0000E+00 CF80      -0.5600E+00
                   : RHOAW       0.1249E-02 EDMLEPM    0.3600E-02
                   : CDRAG       0.1230E-02 UMIN       0.1000E+01
                   : LIM_PM      0.1300E+00

```

-----

First guess by 2nd generation model flags for first iteration:

```

ITER      1 GRWMX      0.1000E+23 ALFA      0.0000E+00
IWIND     2 IWCAP      0 IQUAD      0
ITRIAD    1 IBOT      1 ISURF      1
IVEG      0 ITURBV     0 IMUD      0

```

```

iteration   1; sweep 1
iteration   1; sweep 2
iteration   1; sweep 3
iteration   1; sweep 4
not possible to compute, first iteration

```

-----

Options given by user are activated for proceeding calculation:

```

ITER      2 GRWMX      0.1000E+00 ALFA      0.0000E+00
IWIND     3 IWCAP      1 IQUAD      2
ITRIAD    1 IBOT      1 ISURF      1
IVEG      0 ITURBV     0 IMUD      0

```

```

iteration   2; sweep 1
iteration   2; sweep 2
iteration   2; sweep 3
iteration   2; sweep 4
accuracy OK in 89.15 % of wet grid points ( 99.50 % required)

iteration   3; sweep 1
iteration   3; sweep 2
iteration   3; sweep 3

```



```
iteration    3; sweep 4
accuracy OK in 0.78 % of wet grid points ( 99.50 % required)

iteration    4; sweep 1
iteration    4; sweep 2
iteration    4; sweep 3
iteration    4; sweep 4
accuracy OK in 88.38 % of wet grid points ( 99.50 % required)

iteration    5; sweep 1
iteration    5; sweep 2
iteration    5; sweep 3
iteration    5; sweep 4
accuracy OK in 99.23 % of wet grid points ( 99.50 % required)

iteration    6; sweep 1
iteration    6; sweep 2
iteration    6; sweep 3
iteration    6; sweep 4
accuracy OK in 99.23 % of wet grid points ( 99.50 % required)

iteration    7; sweep 1
iteration    7; sweep 2
iteration    7; sweep 3
iteration    7; sweep 4
accuracy OK in 100.00 % of wet grid points ( 99.50 % required)
```

STOP

Run: 1

Table:curve

SWAN version:41.20A

Xp [m]	Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0.	0.	1.30336	10.7893	11.1572	9.6871	0.032	31.8530	18.0200	0.000000
1.	0.	1.30265	10.7896	11.1572	9.6876	0.032	31.6857	17.8800	-0.000018
2.	0.	1.30194	10.7899	11.1572	9.6880	0.032	31.5202	17.7500	-0.000035
3.	0.	1.30126	10.7902	11.1572	9.6886	0.032	31.3670	17.6099	-0.000053
4.	0.	1.30063	10.7906	11.1572	9.6895	0.032	31.2315	17.4599	-0.000072
5.	0.	1.30000	10.7909	11.1572	9.6902	0.032	31.0968	17.3199	-0.000091
6.	0.	1.29945	10.7913	11.1572	9.6911	0.032	30.9618	17.1699	-0.000111
7.	0.	1.29890	10.7917	11.1572	9.6920	0.032	30.8266	17.0299	-0.000130
8.	0.	1.29842	10.7921	11.1572	9.6931	0.032	30.6907	16.8798	-0.000152
9.	0.	1.29794	10.7924	11.1572	9.6940	0.032	30.5545	16.7398	-0.000172
10.	0.	1.29755	10.7929	11.1572	9.6953	0.032	30.4180	16.5898	-0.000195
11.	0.	1.29715	10.7932	11.1572	9.6964	0.032	30.2811	16.4498	-0.000217
12.	0.	1.29681	10.7937	11.1572	9.6977	0.032	30.1404	16.2998	-0.000241
13.	0.	1.29653	10.7941	11.1572	9.6992	0.032	30.0014	16.1497	-0.000266
14.	0.	1.29624	10.7945	11.1572	9.7005	0.032	29.8627	16.0097	-0.000290
15.	0.	1.29605	10.7949	11.1572	9.7020	0.032	29.7238	15.8597	-0.000316
16.	0.	1.29585	10.7953	11.1572	9.7035	0.032	29.5847	15.7197	-0.000341
17.	0.	1.29574	10.7958	11.1572	9.7051	0.032	29.4452	15.5696	-0.000369
18.	0.	1.29561	10.7962	11.1572	9.7067	0.032	29.3055	15.4296	-0.000396
19.	0.	1.29556	10.7966	11.1572	9.7085	0.032	29.1624	15.2796	-0.000425
20.	0.	1.29558	10.7971	11.1572	9.7104	0.032	29.0232	15.1295	-0.000455
21.	0.	1.29557	10.7975	11.1572	9.7121	0.032	28.8901	14.9895	-0.000484
22.	0.	1.29566	10.7980	11.1572	9.7141	0.032	28.7615	14.8395	-0.000515
23.	0.	1.29573	10.7984	11.1572	9.7159	0.032	28.6361	14.6995	-0.000545
24.	0.	1.29589	10.7988	11.1572	9.7179	0.032	28.5111	14.5494	-0.000578
25.	0.	1.29602	10.7993	11.1572	9.7198	0.032	28.3859	14.4094	-0.000609
26.	0.	1.29623	10.7997	11.1572	9.7219	0.032	28.2567	14.2594	-0.000644
27.	0.	1.29662	10.8002	11.1572	9.7241	0.032	28.1471	14.1093	-0.000679
28.	0.	1.29671	10.8004	11.1572	9.7250	0.032	28.0671	14.0293	-0.000699
29.	0.	1.29682	10.8006	11.1572	9.7257	0.032	27.9996	13.9593	-0.000716
30.	0.	1.29698	10.8008	11.1572	9.7265	0.032	27.9361	13.8893	-0.000733
31.	0.	1.29715	10.8011	11.1572	9.7272	0.033	27.8738	13.8192	-0.000751
32.	0.	1.29734	10.8013	11.1572	9.7280	0.033	27.8116	13.7492	-0.000769
33.	0.	1.29753	10.8015	11.1572	9.7287	0.033	27.7496	13.6792	-0.000787
34.	0.	1.29774	10.8017	11.1572	9.7295	0.033	27.6877	13.6092	-0.000806
35.	0.	1.29799	10.8019	11.1572	9.7298	0.033	27.6249	13.5392	-0.

60.	0.	1.31236	10.8078	11.1572	9.6856	0.037	25.8414	11.6585	-0.001451
61.	0.	1.31334	10.8081	11.1572	9.6814	0.037	25.7651	11.5785	-0.001484
62.	0.	1.31435	10.8084	11.1572	9.6769	0.038	25.6890	11.4985	-0.001518
63.	0.	1.31542	10.8086	11.1572	9.6720	0.038	25.6139	11.4184	-0.001552
64.	0.	1.31653	10.8089	11.1572	9.6667	0.038	25.5393	11.3384	-0.001587
65.	0.	1.31770	10.8091	11.1572	9.6609	0.039	25.4673	11.2584	-0.001622
66.	0.	1.31893	10.8094	11.1572	9.6545	0.040	25.3982	11.1783	-0.001658
67.	0.	1.32023	10.8097	11.1572	9.6475	0.042	25.3298	11.0983	-0.001695
68.	0.	1.32147	10.8099	11.1572	9.6417	0.045	25.2673	11.0183	-0.001733
69.	0.	1.32252	10.8101	11.1572	9.6368	0.050	25.2114	10.9482	-0.001766
70.	0.	1.32368	10.8104	11.1572	9.6326	0.055	25.1545	10.8682	-0.001804
71.	0.	1.32488	10.8106	11.1572	9.6280	0.061	25.0984	10.7882	-0.001843
72.	0.	1.32612	10.8109	11.1572	9.6230	0.067	25.0438	10.7081	-0.001882
73.	0.	1.32738	10.8112	11.1572	9.6181	0.072	24.9917	10.6281	-0.001923
74.	0.	1.32869	10.8114	11.1572	9.6129	0.078	24.9431	10.5480	-0.001964
75.	0.	1.33000	10.8117	11.1572	9.6078	0.088	24.8963	10.4680	-0.002006
76.	0.	1.33133	10.8119	11.1572	9.6029	0.096	24.8519	10.3880	-0.002049
77.	0.	1.33272	10.8122	11.1572	9.5974	0.105	24.8117	10.3079	-0.002093
78.	0.	1.33421	10.8124	11.1572	9.5912	0.117	24.7797	10.2279	-0.002137
79.	0.	1.33533	10.8127	11.1572	9.5840	0.129	24.7077	10.1578	-0.002178
80.	0.	1.33851	10.8134	11.1572	9.5814	0.138	24.5332	9.9277	-0.002311
81.	0.	1.34341	10.8146	11.1572	9.5824	0.141	24.2752	9.5875	-0.002520
82.	0.	1.34861	10.8157	11.1572	9.5834	0.137	23.9866	9.2473	-0.002750
83.	0.	1.35429	10.8168	11.1572	9.5840	0.132	23.6871	8.9070	-0.003002
84.	0.	1.36063	10.8180	11.1572	9.5849	0.125	23.4035	8.5667	-0.003280
85.	0.	1.36577	10.8188	11.1572	9.5840	0.122	23.1894	8.3165	-0.003504
86.	0.	1.36866	10.8192	11.1572	9.5793	0.123	23.0472	8.1864	-0.003629
87.	0.	1.37176	10.8197	11.1572	9.5748	0.121	22.9243	8.0562	-0.003760
88.	0.	1.37495	10.8202	11.1572	9.5709	0.117	22.8027	7.9261	-0.003896
89.	0.	1.37823	10.8206	11.1572	9.5673	0.113	22.6789	7.7960	-0.004037
90.	0.	1.38161	10.8211	11.1572	9.5635	0.108	22.5525	7.6658	-0.004185
91.	0.	1.38534	10.8216	11.1572	9.5605	0.106	22.4212	7.5257	-0.004350
92.	0.	1.38872	10.8221	11.1572	9.5575	0.106	22.2687	7.3955	-0.004510
93.	0.	1.39443	10.8228	11.1572	9.5574	0.106	22.0727	7.1852	-0.004779
94.	0.	1.40037	10.8236	11.1572	9.5569	0.109	21.8560	6.9749	-0.005070
95.	0.	1.40700	10.8245	11.1572	9.5559	0.112	21.6304	6.7546	-0.005398
96.	0.	1.41368	10.8253	11.1572	9.5537	0.114	21.3970	6.5443	-0.005737
97.	0.	1.42117	10.8263	11.1572	9.5504	0.114	21.1519	6.3239	-0.006124
98.	0.	1.42917	10.8273	11.1572	9.5455	0.114	20.8997	6.1035	-0.006546
99.	0.	1.43737	10.8284	11.1572	9.5377	0.115	20.6419	5.8930	-0.006987
100.	0.	1.44661	10.8296	11.1572	9.5273	0.115	20.3740	5.6725	-0.007493
101.	0.	1.45603	10.8309	11.1572	9.5137	0.113	20.0950	5.4620	-0.008026
102.	0.	1.46656	10.8325	11.1572	9.4971	0.112	19.7987	5.2414	-0.008643
103.	0.	1.47798	10.8343	11.1572	9.4753	0.110	19.4982	5.0207	-0.009328
104.	0.	1.48934	10.8363	11.1572	9.4474	0.109	19.2297	4.8200	-0.010020
105.	0.	1.49757	10.8382	11.1572	9.4112	0.108	19.0084	4.6895	-0.010514
106.	0.	1.50623	10.8404	11.1572	9.3715	0.106	18.7965	4.5590	-0.011043
107.	0.	1.51530	10.8427	11.1572	9.3279	0.103	18.5834	4.4284	-0.011610
108.	0.	1.52476	10.8451	11.1572	9.2804	0.099	18.3699	4.2978	-0.012218
109.	0.	1.53460	10.8478	11.1572	9.2290	0.097	18.1571	4.1671	-0.012870
110.	0.	1.54478	10.8507	11.1572	9.1739	0.094	17.9401	4.0364	-0.013568
111.	0.	1.55528	10.8537	11.1572	9.1151	0.090	17.7137	3.9057	-0.014319
112.	0.	1.56574	10.8569	11.1572	9.0535	0.079	17.4793	3.7749	-0.015101
113.	0.	1.57603	10.8604	11.1572	8.9888	0.066	17.2398	3.6441	-0.015904
114.	0.	1.58641	10.8640	11.1572	8.9201	0.056	16.9877	3.5132	-0.016753
115.	0.	1.59619	10.8679	11.1572	8.8508	0.047	16.7153	3.3824	-0.017616
116.	0.	1.60560	10.8719	11.1572	8.7791	0.036	16.4088	3.2515	-0.018513
117.	0.	1.61387	10.8760	11.1572	8.7062	0.024	16.0767	3.1206	-0.019374
118.	0.	1.62057	10.8801	11.1572	8.6346	0.009	15.7184	2.9898	-0.020177
119.	0.	1.62529	10.8842	11.1572	8.5659	0.002	15.3384	2.8591	-0.020896
120.	0.	1.62779	10.8882	11.1572	8.4989	359.978	14.9376	2.7285	-0.021487
121.	0.	1.62799	10.8921	11.1572	8.4386	359.967	14.5125	2.5880	-0.021986
122.	0.	1.62923	10.8958	11.1572	8.3548	359.933	14.0658	2.4375	-0.022534
123.	0.	1.62449	10.8994	11.1572	8.2806	359.891	13.6203	2.2875	-0.022541
124.	0.	1.61945	10.9028	11.1572	8.1779	359.850	13.1569	2.1276	-0.022403
125.	0.	1.60802	10.9058	11.1572	8.0603	359.811	12.7248	1.9787	-0.021325
126.	0.	1.58802	10.9082	11.1572	7.9419	359.774	12.0099	1.8308	-0.019180

127.	0.	1.62309	10.9158	11.1572	7.8166	359.717	10.6951	1.2505	-0.029549
128.	0.	1.04536	11.0267	11.1572	8.4219	357.520	12.3656	0.7016	0.101583

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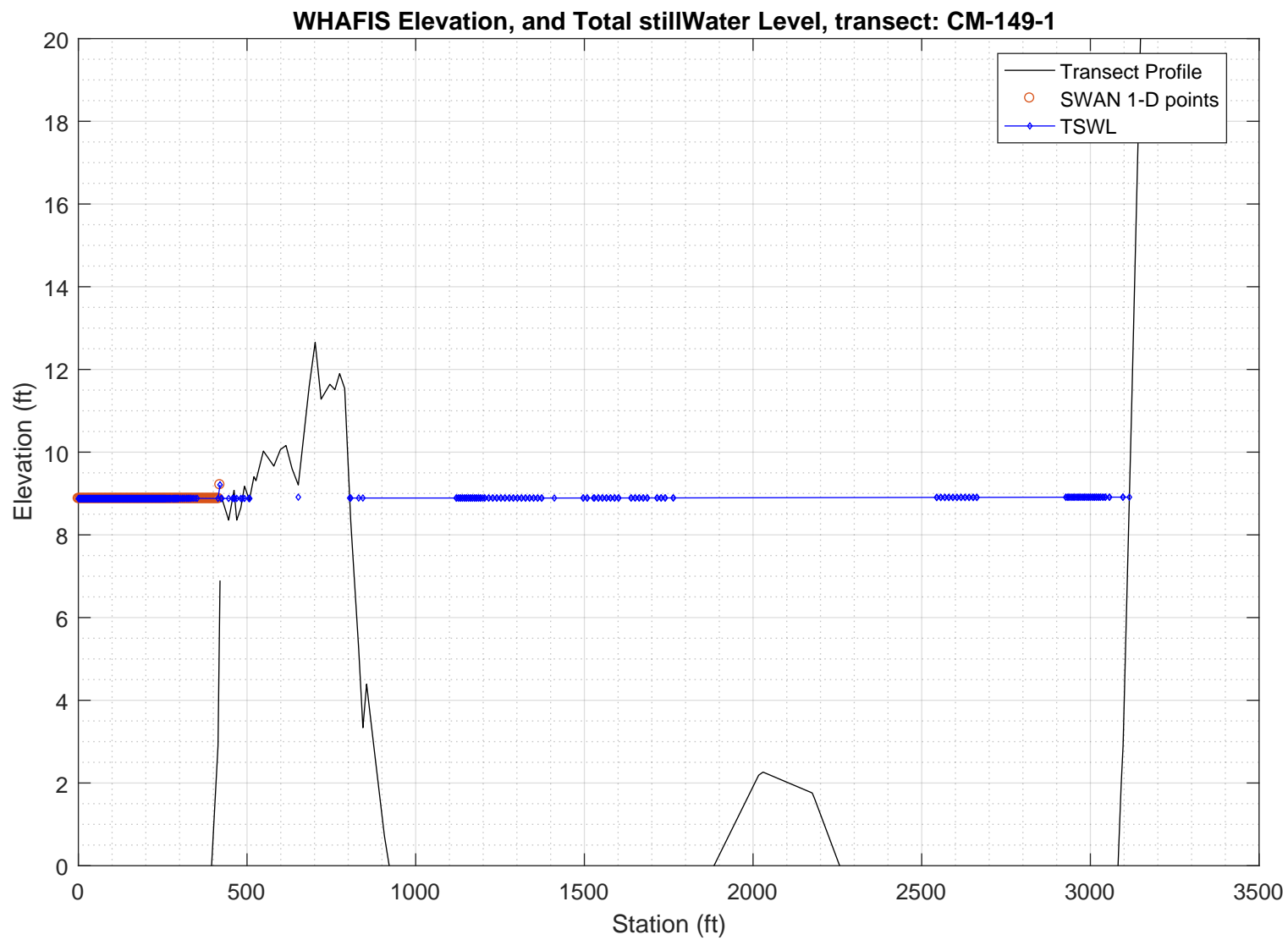
PART 3: WHAFIS

WHAFIS input: CM-149-1.dat

WHAFIS output: CM-149-1.out

PART 3 COMPLETE

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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-149-1.dat

Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3\_whafis\whafis4\CM-149-1.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	-50.257	1.000	1.000	8.876	6.826	10.750	56.140	0.140	0.000
OF	1.000	-50.117	0.000	8.876	0.000	0.000	0.000	0.000	0.140	0.000
OF	2.000	-49.978	0.000	8.876	0.000	0.000	0.000	0.000	0.139	0.000
OF	3.000	-49.839	0.000	8.876	0.000	0.000	0.000	0.000	0.139	0.000
OF	4.000	-49.700	0.000	8.876	0.000	0.000	0.000	0.000	0.139	0.000
OF	5.000	-49.561	0.000	8.876	0.000	0.000	0.000	0.000	0.139	0.000
OF	6.000	-49.422	0.000	8.876	0.000	0.000	0.000	0.000	0.140	0.000
OF	7.000	-49.282	0.000	8.876	0.000	0.000	0.000	0.000	0.140	0.000
OF	8.000	-49.143	0.000	8.876	0.000	0.000	0.000	0.000	0.140	0.000
OF	9.000	-49.003	0.000	8.876	0.000	0.000	0.000	0.000	0.140	0.000
OF	10.000	-48.864	0.000	8.876	0.000	0.000	0.000	0.000	0.139	0.000
OF	11.000	-48.725	0.000	8.876	0.000	0.000	0.000	0.000	0.139	0.000
OF	12.000	-48.586	0.000	8.876	0.000	0.000	0.000	0.000	0.142	0.000
OF	13.000	-48.440	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	14.000	-48.295	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	15.000	-48.149	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	16.000	-48.003	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	17.000	-47.858	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	18.000	-47.712	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	19.000	-47.566	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	20.000	-47.420	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	21.000	-47.275	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	22.000	-47.129	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	23.000	-46.984	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	24.000	-46.838	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	25.000	-46.693	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	26.000	-46.547	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	27.000	-46.401	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	28.000	-46.256	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	29.000	-46.110	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	30.000	-45.964	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	31.000	-45.818	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	32.000	-45.673	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	33.000	-45.527	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	34.000	-45.381	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	35.000	-45.236	0.000	8.876	0.000	0.000	0.000	0.000	0.145	0.000
OF	36.000	-45.091	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	37.000	-44.944	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	38.000	-44.799	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	39.000	-44.653	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	40.000	-44.508	0.000	8.876	0.000	0.000	0.000	0.000	0.146	0.000
OF	41.000	-44.362	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	42.000	-44.216	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	43.000	-44.071	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	44.000	-43.925	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	45.000	-43.779	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	46.000	-43.634	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	47.000	-43.488	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	48.000	-43.342	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	49.000	-43.197	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	50.000	-43.051	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	51.000	-42.905	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	52.000	-42.760	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	53.000	-42.614	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	54.000	-42.469	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	55.000	-42.323	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	56.000	-42.177	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	57.000	-42.032	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	58.000	-41.886	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	59.000	-41.740	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	60.000	-41.595	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	61.000	-41.449	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	62.000	-41.303	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	63.000	-41.158	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	64.000	-41.012	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	65.000	-40.866	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	66.000	-40.721	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	67.000	-40.575	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	68.000	-40.429	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	69.000	-40.284	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	70.000	-40.138	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	71.000	-39.993	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	72.000	-39.847	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	73.000	-39.701	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	74.000	-39.556	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	75.000	-39.410	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	76.000	-39.264	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	77.000	-39.119	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	78.000	-38.973	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	79.000	-38.827	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	80.000	-38.682	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	81.000	-38.536	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	82.000	-38.390	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	83.000	-38.245	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	84.000	-38.099	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	85.000	-37.954	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	86.000	-37.808	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	87.000	-37.662	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	88.000	-37.517	0.000	8.877	0.000	0.000	0.000	0.000	0.146	0.000
OF	89.000	-37.371	0.000	8.877	0.000	0.000	0.000	0.000	0.113	0.000
OF	90.000	-37.229	0.000	8.877	0.000	0.000	0.000	0.000	0.075	0.000
OF	91.000	-37.220	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	92.000	-37.150	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000

OF	93.000	-37.080	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	94.000	-37.010	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	95.000	-36.940	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	96.000	-36.871	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	97.000	-36.801	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	98.000	-36.731	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	99.000	-36.661	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	100.000	-36.591	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	101.000	-36.522	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	102.000	-36.452	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	103.000	-36.382	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	104.000	-36.312	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	105.000	-36.242	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	106.000	-36.172	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	107.000	-36.103	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	108.000	-36.033	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	109.000	-35.963	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	110.000	-35.893	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	111.000	-35.823	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	112.000	-35.753	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	113.000	-35.684	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	114.000	-35.614	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	115.000	-35.544	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	116.000	-35.474	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	117.000	-35.404	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	118.000	-35.335	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	119.000	-35.265	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	120.000	-35.195	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	121.000	-35.125	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	122.000	-35.055	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	123.000	-34.985	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	124.000	-34.916	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	125.000	-34.846	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	126.000	-34.776	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	127.000	-34.706	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	128.000	-34.636	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	129.000	-34.567	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	130.000	-34.497	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	131.000	-34.427	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	132.000	-34.357	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	133.000	-34.287	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	134.000	-34.217	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	135.000	-34.148	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	136.000	-34.078	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	137.000	-34.008	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	138.000	-33.938	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	139.000	-33.868	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	140.000	-33.798	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	141.000	-33.729	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	142.000	-33.659	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	143.000	-33.589	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	144.000	-33.519	0.000	8.877	0.000	0.000	0.000	0.000	0.070	0.000
OF	145.000	-33.449	0.000	8.877	0.000	0.000	0.000	0.000	0.069	0.000
OF	146.000	-33.380	0.000	8.877	0.000	0.000	0.000	0.000	0.072	0.000
OF	147.000	-33.305	0.000	8.877	0.000	0.000	0.000	0.000	0.077	0.000
OF	148.000	-33.226	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	149.000	-33.147	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	150.000	-33.068	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	151.000	-32.989	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	152.000	-32.910	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	153.000	-32.831	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	154.000	-32.752	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	155.000	-32.673	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	156.000	-32.594	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	157.000	-32.515	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	158.000	-32.436	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	159.000	-32.357	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	160.000	-32.278	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	161.000	-32.199	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	162.000	-32.120	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	163.000	-32.041	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	164.000	-31.962	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	165.000	-31.883	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	166.000	-31.804	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	167.000	-31.725	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	168.000	-31.646	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	169.000	-31.567	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	170.000	-31.488	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	171.000	-31.409	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	172.000	-31.330	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	173.000	-31.251	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	174.000	-31.172	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	175.000	-31.093	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	176.000	-31.014	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	177.000	-30.935	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	178.000	-30.856	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	179.000	-30.777	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	180.000	-30.698	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	181.000	-30.619	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	182.000	-30.540	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	183.000	-30.461	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	184.000	-30.382	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	185.000	-30.303	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	186.000	-30.224	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	187.000	-30.145	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	188.000	-30.066	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	189.000	-29.987	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	190.000	-29.908	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	191.000	-29.829	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	192.000	-29.750	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	193.000	-29.671	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	194.000	-29.592	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000



OF	195.000	-29.513	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	196.000	-29.434	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	197.000	-29.355	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	198.000	-29.276	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	199.000	-29.197	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	200.000	-29.118	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	201.000	-29.039	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	202.000	-28.960	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	203.000	-28.881	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	204.000	-28.802	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	205.000	-28.723	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	206.000	-28.644	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	207.000	-28.565	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	208.000	-28.486	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	209.000	-28.407	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	210.000	-28.328	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	211.000	-28.249	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	212.000	-28.170	0.000	8.876	0.000	0.000	0.000	0.000	0.079	0.000
OF	213.000	-28.091	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	214.000	-28.012	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	215.000	-27.933	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	216.000	-27.854	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	217.000	-27.775	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	218.000	-27.696	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	219.000	-27.617	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	220.000	-27.538	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	221.000	-27.459	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	222.000	-27.379	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	223.000	-27.301	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	224.000	-27.222	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	225.000	-27.143	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	226.000	-27.064	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	227.000	-26.985	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	228.000	-26.906	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	229.000	-26.827	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	230.000	-26.747	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	231.000	-26.669	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	232.000	-26.590	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	233.000	-26.510	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	234.000	-26.432	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	235.000	-26.353	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	236.000	-26.273	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	237.000	-26.195	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	238.000	-26.116	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	239.000	-26.037	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	240.000	-25.958	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	241.000	-25.878	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	242.000	-25.800	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	243.000	-25.721	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	244.000	-25.641	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	245.000	-25.562	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	246.000	-25.484	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	247.000	-25.404	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	248.000	-25.325	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	249.000	-25.247	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	250.000	-25.167	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	251.000	-25.088	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	252.000	-25.009	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	253.000	-24.930	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	254.000	-24.852	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	255.000	-24.772	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	256.000	-24.693	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	257.000	-24.615	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	258.000	-24.535	0.000	8.877	0.000	0.000	0.000	0.000	0.079	0.000
OF	259.000	-24.456	0.000	8.877	0.000	0.000	0.000	0.000	0.106	0.000
OF	261.000	-24.217	0.000	8.877	0.000	0.000	0.000	0.000	0.193	0.000
OF	262.000	-23.876	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	264.000	-23.192	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	265.000	-22.850	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	267.000	-22.167	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	268.000	-21.824	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	270.000	-21.141	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	271.000	-20.799	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	273.000	-20.116	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	274.000	-19.774	0.000	8.877	0.000	0.000	0.000	0.000	0.342	0.000
OF	277.000	-18.749	0.000	8.877	0.000	0.000	0.000	0.000	0.277	0.000
OF	279.000	-18.388	0.000	8.877	0.000	0.000	0.000	0.000	0.164	0.000
OF	280.000	-18.258	0.000	8.877	0.000	0.000	0.000	0.000	0.130	0.000
OF	282.000	-17.998	0.000	8.878	0.000	0.000	0.000	0.000	0.130	0.000
OF	283.000	-17.868	0.000	8.878	0.000	0.000	0.000	0.000	0.130	0.000
OF	285.000	-17.608	0.000	8.878	0.000	0.000	0.000	0.000	0.130	0.000
OF	286.000	-17.477	0.000	8.878	0.000	0.000	0.000	0.000	0.130	0.000
OF	288.000	-17.218	0.000	8.878	0.000	0.000	0.000	0.000	0.130	0.000
OF	289.000	-17.087	0.000	8.878	0.000	0.000	0.000	0.000	0.130	0.000
OF	291.000	-16.827	0.000	8.879	0.000	0.000	0.000	0.000	0.130	0.000
OF	292.000	-16.697	0.000	8.879	0.000	0.000	0.000	0.000	0.130	0.000
OF	294.000	-16.436	0.000	8.879	0.000	0.000	0.000	0.000	0.130	0.000
OF	295.000	-16.307	0.000	8.879	0.000	0.000	0.000	0.000	0.130	0.000
OF	297.000	-16.046	0.000	8.879	0.000	0.000	0.000	0.000	0.130	0.000
OF	298.000	-15.917	0.000	8.880	0.000	0.000	0.000	0.000	0.144	0.000
OF	303.000	-15.183	0.000	8.880	0.000	0.000	0.000	0.000	0.159	0.000
OF	304.000	-14.966	0.000	8.880	0.000	0.000	0.000	0.000	0.216	0.000
OF	309.000	-13.886	0.000	8.880	0.000	0.000	0.000	0.000	0.216	0.000
OF	310.000	-13.670	0.000	8.881	0.000	0.000	0.000	0.000	0.216	0.000
OF	315.000	-12.590	0.000	8.881	0.000	0.000	0.000	0.000	0.216	0.000
OF	316.000	-12.374	0.000	8.881	0.000	0.000	0.000	0.000	0.216	0.000
OF	321.000	-11.294	0.000	8.882	0.000	0.000	0.000	0.000	0.216	0.000
OF	322.000	-11.078	0.000	8.882	0.000	0.000	0.000	0.000	0.216	0.000
OF	327.000	-9.998	0.000	8.882	0.000	0.000	0.000	0.000	0.216	0.000
OF	328.000	-9.782	0.000	8.882	0.000	0.000	0.000	0.000	0.216	0.000
OF	333.000	-8.702	0.000	8.882	0.000	0.000	0.000	0.000	0.216	0.000
OF	334.000	-8.486	0.000	8.883	0.000	0.000	0.000	0.000	0.216	0.000

OF	340.000	-7.190	0.000	8.883	0.000	0.000	0.000	0.000	0.178	0.000
OF	346.000	-6.353	0.000	8.883	0.000	0.000	0.000	0.000	0.135	0.000
OF	352.000	-5.573	0.000	8.882	0.000	0.000	0.000	0.000	0.136	0.000
IF	414.000	2.901	0.000	8.880	0.000	0.000	0.000	0.000	0.184	0.000
IF	419.900	6.896	0.000	9.210	0.000	0.000	0.000	0.000	0.901	0.000
IF	421.000	9.210	0.000	9.210	0.000	0.000	0.000	0.000	2.104	0.000
AS	425.500	8.880	0.000	8.880	0.000	0.000	0.000	0.000	-0.026	0.000
IF	445.500	8.356	0.000	8.880	0.000	0.000	0.000	0.000	0.000	0.000
IF	457.200	8.880	0.000	8.880	0.000	0.000	0.000	0.000	0.045	0.000
AS	463.700	8.880	0.000	8.880	0.000	0.000	0.000	0.000	-0.090	0.000
IF	469.500	8.356	0.000	8.880	0.000	0.000	0.000	0.000	-0.013	0.000
IF	481.500	8.652	0.000	8.880	0.000	0.000	0.000	0.000	0.031	0.000
IF	486.300	8.880	0.000	8.880	0.000	0.000	0.000	0.000	0.048	0.000
AS	505.500	8.880	0.000	8.880	0.000	0.000	0.000	0.000	-0.023	0.000
IF	507.000	8.845	0.000	8.880	0.000	0.000	0.000	0.000	0.000	0.000
IF	507.800	8.880	0.000	8.880	0.000	0.000	0.000	0.000	0.044	0.000
AS	804.300	8.891	0.000	8.891	0.000	0.000	0.000	0.000	-0.177	0.000
IF	807.500	8.323	0.000	8.891	0.000	0.000	0.000	0.000	-0.137	0.000
IF	831.000	5.243	0.000	8.891	0.000	0.000	0.000	0.000	-0.139	0.000
IF	843.500	3.337	0.000	8.891	0.000	0.000	0.000	0.000	-0.051	0.000
OF	1120.000	-9.526	0.000	8.891	0.000	0.000	0.000	0.000	-0.046	0.000
OF	1121.000	-9.530	0.000	8.891	0.000	0.000	0.000	0.000	0.022	0.000
OF	1126.000	-9.397	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1127.000	-9.370	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1132.000	-9.237	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1133.000	-9.210	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1138.000	-9.077	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1139.000	-9.050	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1144.000	-8.917	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1145.000	-8.891	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1150.000	-8.757	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1151.000	-8.731	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1156.000	-8.598	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1157.000	-8.571	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1162.000	-8.438	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1163.000	-8.411	0.000	8.891	0.000	0.000	0.000	0.000	0.027	0.000
OF	1168.000	-8.278	0.000	8.8						

OF	1674.000	-4.095	0.000	8.892	0.000	0.000	0.000	0.000	0.003	0.000
OF	1675.000	-4.093	0.000	8.892	0.000	0.000	0.000	0.000	0.003	0.000
OF	1686.000	-4.062	0.000	8.892	0.000	0.000	0.000	0.000	0.003	0.000
OF	1687.000	-4.059	0.000	8.892	0.000	0.000	0.000	0.000	-0.004	0.000
OF	1715.000	-4.169	0.000	8.893	0.000	0.000	0.000	0.000	-0.004	0.000
OF	1716.000	-4.174	0.000	8.893	0.000	0.000	0.000	0.000	0.009	0.000
OF	1727.000	-4.061	0.000	8.893	0.000	0.000	0.000	0.000	0.010	0.000
OF	1728.000	-4.050	0.000	8.893	0.000	0.000	0.000	0.000	0.037	0.000
OF	1739.000	-3.614	0.000	8.893	0.000	0.000	0.000	0.000	0.041	0.000
OF	1740.000	-3.562	0.000	8.893	0.000	0.000	0.000	0.000	0.052	0.000
OF	1763.000	-2.375	0.000	8.893	0.000	0.000	0.000	0.000	0.052	0.000
OF	1764.000	-2.323	0.000	8.893	0.000	0.000	0.000	0.000	-0.005	0.000
OF	2544.000	-6.481	0.000	8.906	0.000	0.000	0.000	0.000	-0.005	0.000
OF	2545.000	-6.475	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2556.000	-6.411	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2557.000	-6.405	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2568.000	-6.340	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2569.000	-6.334	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2580.000	-6.270	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2581.000	-6.265	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2592.000	-6.200	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2593.000	-6.194	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2604.000	-6.130	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2605.000	-6.124	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2616.000	-6.060	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2617.000	-6.054	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2628.000	-5.990	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2629.000	-5.984	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2640.000	-5.920	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2641.000	-5.914	0.000	8.906	0.000	0.000	0.000	0.000	0.006	0.000
OF	2652.000	-5.846	0.000	8.906	0.000	0.000	0.000	0.000	0.007	0.000
OF	2653.000	-5.835	0.000	8.906	0.000	0.000	0.000	0.000	0.001	0.000
OF	2663.000	-5.831	0.000	8.906	0.000	0.000	0.000	0.000	0.000	0.000
OF	2664.000	-5.839	0.000	8.906	0.000	0.000	0.000	0.000	-0.012	0.000
OF	2927.000	-9.095	0.000	8.910	0.000	0.000	0.000	0.000	-0.012	0.000
OF	2928.000	-9.085	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2933.000	-9.037	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2934.000	-9.027	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2939.000	-8.979	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2940.000	-8.969	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2945.000	-8.920	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2946.000	-8.911	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2951.000	-8.862	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2952.000	-8.853	0.000	8.910	0.000	0.000	0.000	0.000	0.010	0.000
OF	2957.000	-8.804	0.000	8.911	0.000	0.000	0.000	0.000	0.010	0.000
OF	2958.000	-8.795	0.000	8.911	0.000	0.000	0.000	0.000	0.010	0.000
OF	2963.000	-8.746	0.000	8.911	0.000	0.000	0.000	0.000	0.010	0.000
OF	2964.000	-8.736	0.000	8.911	0.000	0.000	0.000	0.000	0.010	0.000
OF	2969.000	-8.689	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2970.000	-8.679	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2975.000	-8.633	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2976.000	-8.624	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2981.000	-8.578	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2982.000	-8.568	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2987.000	-8.522	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2988.000	-8.513	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2993.000	-8.467	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2994.000	-8.457	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	2999.000	-8.411	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3000.000	-8.402	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3005.000	-8.356	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3006.000	-8.346	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3011.000	-8.300	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3012.000	-8.291	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3017.000	-8.245	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3018.000	-8.235	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3023.000	-8.189	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3024.000	-8.180	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3029.000	-8.135	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3030.000	-8.125	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3036.000	-8.070	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000
OF	3039.000	-8.043	0.000	8.912	0.000	0.000	0.000	0.000	0.009	0.000
OF	3044.000	-7.997	0.000	8.912	0.000	0.000	0.000	0.000	0.041	0.000
OF	3045.000	-7.797	0.000	8.912	0.000	0.000	0.000	0.000	0.210	0.000
OF	3056.000	-5.477	0.000	8.912	0.000	0.000	0.000	0.000	0.211	0.000
OF	3057.000	-5.266	0.000	8.912	0.000	0.000	0.000	0.000	0.206	0.000
IF	3096.000	2.746	0.000	8.912	0.000	0.000	0.000	0.000	0.205	0.000
IF	3097.000	2.914	0.000	8.912	0.000	0.000	0.000	0.000	0.315	0.000
IF	3115.600	8.912	0.000	8.912	0.000	0.000	0.000	0.000	0.322	0.000
ET	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	56.140	SLOPE	A-ZONES
	0.000	-50.257	1.000	1.000	8.876		6.826		10.750		0.140	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	1.000	-50.117	0.000	8.876	0.000	0.000	0.000	0.000	0.000		0.140	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	2.000	-49.978	0.000	8.876	0.000	0.000	0.000	0.000	0.000		0.139	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	3.000	-49.839	0.000	8.876	0.000	0.000	0.000	0.000	0.000		0.139	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	4.000	-49.700	0.000	8.876	0.000	0.000	0.000	0.000	0.000		0.139	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	5.000	-49.561	0.000	8.876	0.000	0.000	0.000	0.000	0.000		0.139	0.000
	END	END	NEW SURGE	NEW SURGE							BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR							SLOPE	A-ZONES
	6.000	-49.422	0.000	8.876	0.000	0.000	0.000	0.000	0.000		0.140	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	7.000	-49.282	0.000	8.876	0.000	0.000	0.000	0.000		0.140	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	8.000	-49.143	0.000	8.876	0.000	0.000	0.000	0.000		0.140	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	9.000	-49.003	0.000	8.876	0.000	0.000	0.000	0.000		0.140	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	10.000	-48.864	0.000	8.876	0.000	0.000	0.000	0.000		0.139	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	11.000	-48.725	0.000	8.876	0.000	0.000	0.000	0.000		0.139	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	12.000	-48.586	0.000	8.876	0.000	0.000	0.000	0.000		0.142	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	13.000	-48.440	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	14.000	-48.295	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	15.000	-48.149	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	16.000	-48.003	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	17.000	-47.858	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	18.000	-47.712	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	19.000	-47.566	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	20.000	-47.420	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	21.000	-47.275	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	22.000	-47.129	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	23.000	-46.984	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	24.000	-46.838	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	25.000	-46.693	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	26.000	-46.547	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	27.000	-46.401	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	28.000	-46.256	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	29.000	-46.110	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	30.000	-45.964	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	31.000	-45.818	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	32.000	-45.673	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	33.000	-45.527	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	34.000	-45.381	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	35.000	-45.236	0.000	8.876	0.000	0.000	0.000	0.000		0.145	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	36.000	-45.091	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	37.000	-44.944	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	38.000	-44.799	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	39.000	-44.653	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	40.000	-44.508	0.000	8.876	0.000	0.000	0.000	0.000		0.146	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	41.000	-44.362	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	42.000	-44.216	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	43.000	-44.071	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	44.000	-43.925	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	45.000	-43.779	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	46.000	-43.634	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	47.000	-43.488	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	48.000	-43.342	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	49.000	-43.197	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	50.000	-43.051	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	51.000	-42.905	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	52.000	-42.760	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	53.000	-42.614	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	54.000	-42.469	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	55.000	-42.323	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	56.000	-42.177	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	57.000	-42.032	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	58.000	-41.886	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	59.000	-41.740	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	60.000	-41.595	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	61.000	-41.449	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	62.000	-41.303	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	63.000	-41.158	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	64.000	-41.012	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	65.000	-40.866	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	66.000	-40.721	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	67.000	-40.575	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	68.000	-40.429	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	69.000	-40.284	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	70.000	-40.138	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	71.000	-39.993	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	72.000	-39.847	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	73.000	-39.701	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	74.000	-39.556	0.000	8.877	0.000	0.000	0.000	0.000		0.146	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 75.000	ELEVATION -39.410	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 76.000	ELEVATION -39.264	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 77.000	ELEVATION -39.119	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 78.000	ELEVATION -38.973	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 79.000	ELEVATION -38.827	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 80.000	ELEVATION -38.682	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 81.000	ELEVATION -38.536	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 82.000	ELEVATION -38.390	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 83.000	ELEVATION -38.245	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 84.000	ELEVATION -38.099	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 85.000	ELEVATION -37.954	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 86.000	ELEVATION -37.808	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 87.000	ELEVATION -37.662	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 88.000	ELEVATION -37.517	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.146	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 89.000	ELEVATION -37.371	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.113	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 90.000	ELEVATION -37.290	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.075	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 91.000	ELEVATION -37.220	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 92.000	ELEVATION -37.150	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 93.000	ELEVATION -37.080	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 94.000	ELEVATION -37.010	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 95.000	ELEVATION -36.940	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 96.000	ELEVATION -36.871	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 97.000	ELEVATION -36.801	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 98.000	ELEVATION -36.731	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 99.000	ELEVATION -36.661	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 100.000	ELEVATION -36.591	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 101.000	ELEVATION -36.522	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 102.000	ELEVATION -36.452	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 103.000	ELEVATION -36.382	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 104.000	ELEVATION -36.312	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 105.000	ELEVATION -36.242	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 106.000	ELEVATION -36.172	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 107.000	ELEVATION -36.103	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 108.000	ELEVATION -36.033	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	109.000	-35.963	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	110.000	-35.893	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	111.000	-35.823	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	112.000	-35.753	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	113.000	-35.684	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	114.000	-35.614	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	115.000	-35.544	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	116.000	-35.474	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	117.000	-35.404	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	118.000	-35.335	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	119.000	-35.265	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	120.000	-35.195	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	121.000	-35.125	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	122.000	-35.055	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	123.000	-34.985	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	124.000	-34.916	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	125.000	-34.846	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	126.000	-34.776	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	127.000	-34.706	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	128.000	-34.636	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	129.000	-34.567	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	130.000	-34.497	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	131.000	-34.427	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	132.000	-34.357	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	133.000	-34.287	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	134.000	-34.217	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	135.000	-34.148	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	136.000	-34.078	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	137.000	-34.008	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	138.000	-33.938	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	139.000	-33.868	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	140.000	-33.798	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	141.000	-33.729	0.000	8.877	0.000	0.000	0.000	0.000		0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	142.000	-33.659	0.000	8.877	0.000	0.000	0.000	0.000		0.070	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	143.000	-33.589	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	144.000	-33.519	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	145.000	-33.449	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	146.000	-33.380	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.072	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	147.000	-33.305	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.077	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	148.000	-33.226	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	149.000	-33.147	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	150.000	-33.068	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	151.000	-32.989	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	152.000	-32.910	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	153.000	-32.831	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	154.000	-32.752	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	155.000	-32.673	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	156.000	-32.594	0.000	8.877	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	157.000	-32.515	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	158.000	-32.436	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	159.000	-32.357	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	160.000	-32.278	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	161.000	-32.199	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	162.000	-32.120	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	163.000	-32.041	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	164.000	-31.962	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	165.000	-31.883	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	166.000	-31.804	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	167.000	-31.725	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	168.000	-31.646	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	169.000	-31.567	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	170.000	-31.488	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	171.000	-31.409	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	172.000	-31.330	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	173.000	-31.251	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	174.000	-31.172	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	175.000	-31.093	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	176.000	-31.014	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000



	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	177.000	-30.935	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	178.000	-30.856	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	179.000	-30.777	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	180.000	-30.698	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	181.000	-30.619	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	182.000	-30.540	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	183.000	-30.461	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	184.000	-30.382	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	185.000	-30.303	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	186.000	-30.224	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	187.000	-30.145	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	188.000	-30.066	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	189.000	-29.987	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	190.000	-29.908	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	191.000	-29.829	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	192.000	-29.750	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	193.000	-29.671	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	194.000	-29.592	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	195.000	-29.513	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	196.000	-29.434	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	197.000	-29.355	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	198.000	-29.276	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	199.000	-29.197	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	200.000	-29.118	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	201.000	-29.039	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	202.000	-28.960	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	203.000	-28.881	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	204.000	-28.802	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	205.000	-28.723	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	206.000	-28.644	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	207.000	-28.565	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	208.000	-28.486	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	209.000	-28.407	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	210.000	-28.328	0.000	8.876	0.000	0.000	0.000	0.000	0.000	0.079	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	211.000	-28.249	0.000	8.876	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	212.000	-28.170	0.000	8.876	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	213.000	-28.091	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	214.000	-28.012	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	215.000	-27.933	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	216.000	-27.854	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	217.000	-27.775	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	218.000	-27.696	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	219.000	-27.617	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	220.000	-27.538	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	221.000	-27.459	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	222.000	-27.379	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	223.000	-27.301	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	224.000	-27.222	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	225.000	-27.143	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	226.000	-27.064	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	227.000	-26.985	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	228.000	-26.906	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	229.000	-26.827	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	230.000	-26.747	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	231.000	-26.669	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	232.000	-26.590	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	233.000	-26.510	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	234.000	-26.432	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	235.000	-26.353	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	236.000	-26.273	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	237.000	-26.195	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	238.000	-26.116	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	239.000	-26.037	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	240.000	-25.958	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	241.000	-25.878	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	242.000	-25.800	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	243.000	-25.721	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	244.000	-25.641	0.000	8.877	0.000	0.000	0.000	0.000		0.079	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 245.000	ELEVATION -25.562	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 246.000	ELEVATION -25.484	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 247.000	ELEVATION -25.404	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 248.000	ELEVATION -25.325	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 249.000	ELEVATION -25.247	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 250.000	ELEVATION -25.167	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 251.000	ELEVATION -25.088	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 252.000	ELEVATION -25.009	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 253.000	ELEVATION -24.930	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 254.000	ELEVATION -24.852	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 255.000	ELEVATION -24.772	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 256.000	ELEVATION -24.693	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 257.000	ELEVATION -24.615	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 258.000	ELEVATION -24.535	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.079	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 259.000	ELEVATION -24.456	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.106	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 261.000	ELEVATION -24.217	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.193	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 262.000	ELEVATION -23.876	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 264.000	ELEVATION -23.192	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 265.000	ELEVATION -22.850	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 267.000	ELEVATION -22.167	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 268.000	ELEVATION -21.824	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 270.000	ELEVATION -21.141	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 271.000	ELEVATION -20.799	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 273.000	ELEVATION -20.116	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 274.000	ELEVATION -19.774	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.342	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 277.000	ELEVATION -18.749	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.277	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 279.000	ELEVATION -18.388	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.164	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 280.000	ELEVATION -18.258	10-YEAR 0.000	100-YEAR 8.877	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 282.000	ELEVATION -17.998	10-YEAR 0.000	100-YEAR 8.878	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 283.000	ELEVATION -17.868	10-YEAR 0.000	100-YEAR 8.878	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 285.000	ELEVATION -17.608	10-YEAR 0.000	100-YEAR 8.878	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 286.000	ELEVATION -17.477	10-YEAR 0.000	100-YEAR 8.878	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 288.000	ELEVATION -17.218	10-YEAR 0.000	100-YEAR 8.878	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 289.000	ELEVATION -17.087	10-YEAR 0.000	100-YEAR 8.878	0.000	0.000	0.000	0.000	0.000	SLOPE 0.130	A-ZONES 0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	291.000	-16.827	0.000	8.879	0.000	0.000	0.000	0.000		0.130	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	292.000	-16.697	0.000	8.879	0.000	0.000	0.000	0.000		0.130	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	294.000	-16.436	0.000	8.879	0.000	0.000	0.000	0.000		0.130	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	295.000	-16.307	0.000	8.879	0.000	0.000	0.000	0.000		0.130	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	297.000	-16.046	0.000	8.879	0.000	0.000	0.000	0.000		0.130	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	298.000	-15.917	0.000	8.880	0.000	0.000	0.000	0.000		0.144	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	303.000	-15.183	0.000	8.880	0.000	0.000	0.000	0.000		0.159	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	304.000	-14.966	0.000	8.880	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	309.000	-13.886	0.000	8.880	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	310.000	-13.670	0.000	8.881	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	315.000	-12.590	0.000	8.881	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	316.000	-12.374	0.000	8.881	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	321.000	-11.294	0.000	8.882	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	322.000	-11.078	0.000	8.882	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	327.000	-9.998	0.000	8.882	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	328.000	-9.782	0.000	8.882	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	333.000	-8.702	0.000	8.882	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	334.000	-8.486	0.000	8.883	0.000	0.000	0.000	0.000		0.216	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	340.000	-7.190	0.000	8.883	0.000	0.000	0.000	0.000		0.178	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	346.000	-6.353	0.000	8.883	0.000	0.000	0.000	0.000		0.135	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	352.000	-5.573	0.000	8.882	0.000	0.000	0.000	0.000		0.136	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	414.000	2.901	0.000	8.880	0.000	0.000	0.000	0.000		0.184	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	419.900	6.896	0.000	9.210	0.000	0.000	0.000	0.000		0.901	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	421.000	9.210	0.000	9.210	0.000	0.000	0.000	0.000		2.104	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
AS	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	425.500	8.880	0.000	8.880	0.000	0.000	0.000	0.000		-0.026	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	445.500	8.356	0.000	8.880	0.000	0.000	0.000	0.000		0.000	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	457.200	8.880	0.000	8.880	0.000	0.000	0.000	0.000		0.045	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
AS	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	463.700	8.880	0.000	8.880	0.000	0.000	0.000	0.000		-0.090	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	469.500	8.356	0.000	8.880	0.000	0.000	0.000	0.000		-0.013	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	481.500	8.652	0.000	8.880	0.000	0.000	0.000	0.000		0.031	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	486.300	8.880	0.000	8.880	0.000	0.000	0.000	0.000		0.048	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
AS	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	505.500	8.880	0.000	8.880	0.000	0.000	0.000	0.000		-0.023	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	507.000	8.845	0.000	8.880	0.000	0.000	0.000	0.000		0.000	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	507.800	8.880	0.000	8.880	0.000	0.000	0.000	0.000		0.044	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR						BOTTOM SLOPE	AVERAGE A-ZONES
AS	804.300	8.891	0.000	8.891	0.000	0.000	0.000	0.000	0.000	-0.177	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	807.500	8.323	0.000	8.891	0.000	0.000	0.000	0.000	0.000	-0.137	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	831.000	5.243	0.000	8.891	0.000	0.000	0.000	0.000	0.000	-0.139	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	843.500	3.337	0.000	8.891	0.000	0.000	0.000	0.000	0.000	-0.051	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1120.000	-9.526	0.000	8.891	0.000	0.000	0.000	0.000	0.000	-0.046	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1121.000	-9.530	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1126.000	-9.397	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1127.000	-9.370	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1132.000	-9.237	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1133.000	-9.210	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1138.000	-9.077	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1139.000	-9.050	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1144.000	-8.917	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1145.000	-8.891	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1150.000	-8.757	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1151.000	-8.731	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1156.000	-8.598	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1157.000	-8.571	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1162.000	-8.438	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1163.000	-8.411	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1168.000	-8.278	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1169.000	-8.252	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1174.000	-8.118	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1175.000	-8.092	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1180.000	-7.959	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1181.000	-7.932	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1186.000	-7.799	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1187.000	-7.772	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1192.000	-7.639	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1193.000	-7.613	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1199.000	-7.453	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1204.000	-7.320	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1205.000	-7.293	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	1216.000	-7.000	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1217.000	-6.973	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1228.000	-6.681	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1229.000	-6.654	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1240.000	-6.361	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1241.000	-6.334	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1252.000	-6.041	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1253.000	-6.015	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1264.000	-5.722	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1265.000	-5.695	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1277.000	-5.475	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1278.000	-5.460	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1289.000	-5.291	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1290.000	-5.275	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1301.000	-5.106	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1302.000	-5.090	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1313.000	-4.921	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1314.000	-4.906	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1325.000	-4.736	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1326.000	-4.721	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1337.000	-4.552	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1338.000	-4.536	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1349.000	-4.367	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1350.000	-4.352	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1361.000	-4.182	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1362.000	-4.167	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1373.000	-3.998	0.000	8.890	0.000	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1374.000	-3.982	0.000	8.890	0.000	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1411.000	-4.080	0.000	8.890	0.000	0.000	0.000	0.000	0.000	-0.001	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1496.000	-4.148	0.000	8.891	0.000	0.000	0.000	0.000	0.000	-0.001	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1497.000	-4.149	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1508.000	-4.141	0.000	8.891	0.000	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1509.000	-4.141	0.000	8.892	0.000	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1527.000	-4.126	0.000	8.892	0.000	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	1530.000	-4.124	0.000	8.892	0.000	0.000	0.000	0.000	0.000	0.001	0.000

	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1541.000	ELEVATION -4.114	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1542.000	ELEVATION -4.112	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1553.000	ELEVATION -4.100	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1554.000	ELEVATION -4.099	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1565.000	ELEVATION -4.087	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1566.000	ELEVATION -4.085	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1577.000	ELEVATION -4.073	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1578.000	ELEVATION -4.072	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1589.000	ELEVATION -4.060	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1590.000	ELEVATION -4.059	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1601.000	ELEVATION -4.046	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.001	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1602.000	ELEVATION -4.045	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE -0.004	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1638.000	ELEVATION -4.181	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE -0.004	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1639.000	ELEVATION -4.185	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.002	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1650.000	ELEVATION -4.161	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.002	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1651.000	ELEVATION -4.159	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.003	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1662.000	ELEVATION -4.128	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.003	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1663.000	ELEVATION -4.126	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.003	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1674.000	ELEVATION -4.095	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.003	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1675.000	ELEVATION -4.093	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.003	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1686.000	ELEVATION -4.062	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE 0.003	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1687.000	ELEVATION -4.059	10-YEAR 0.000	100-YEAR 8.892	0.000	0.000	0.000	0.000	0.000	SLOPE -0.004	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1715.000	ELEVATION -4.169	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE -0.004	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1716.000	ELEVATION -4.174	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE 0.009	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1727.000	ELEVATION -4.061	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE 0.010	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1728.000	ELEVATION -4.050	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1739.000	ELEVATION -3.614	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE 0.041	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1740.000	ELEVATION -3.562	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE 0.052	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1763.000	ELEVATION -2.375	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE 0.052	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 1764.000	ELEVATION -2.323	10-YEAR 0.000	100-YEAR 8.893	0.000	0.000	0.000	0.000	0.000	SLOPE -0.005	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 2544.000	ELEVATION -6.481	10-YEAR 0.000	100-YEAR 8.906	0.000	0.000	0.000	0.000	0.000	SLOPE -0.005	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 2545.000	ELEVATION -6.475	10-YEAR 0.000	100-YEAR 8.906	0.000	0.000	0.000	0.000	0.000	SLOPE 0.006	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 2556.000	ELEVATION -6.411	10-YEAR 0.000	100-YEAR 8.906	0.000	0.000	0.000	0.000	0.000	SLOPE 0.006	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION 2557.000	ELEVATION -6.405	10-YEAR 0.000	100-YEAR 8.906	0.000	0.000	0.000	0.000	0.000	SLOPE 0.006	A-ZONES 0.000

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	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2975.000	-8.633	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2976.000	-8.624	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2981.000	-8.578	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2982.000	-8.568	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2987.000	-8.522	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2988.000	-8.513	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2993.000	-8.467	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2994.000	-8.457	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	2999.000	-8.411	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3000.000	-8.402	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3005.000	-8.356	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3006.000	-8.346	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3011.000	-8.300	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3012.000	-8.291	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3017.000	-8.245	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3018.000	-8.235	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3023.000	-8.189	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3024.000	-8.180	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3029.000	-8.135	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3030.000	-8.125	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3036.000	-8.070	0.000	8.911	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3039.000	-8.043	0.000	8.912	0.000	0.000	0.000	0.000	0.009	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3044.000	-7.997	0.000	8.912	0.000	0.000	0.000	0.000	0.041	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3045.000	-7.797	0.000	8.912	0.000	0.000	0.000	0.000	0.210	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3056.000	-5.477	0.000	8.912	0.000	0.000	0.000	0.000	0.211	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3057.000	-5.266	0.000	8.912	0.000	0.000	0.000	0.000	0.206	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3096.000	2.746	0.000	8.912	0.000	0.000	0.000	0.000	0.205	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3097.000	2.914	0.000	8.912	0.000	0.000	0.000	0.000	0.315	0.000	
	END	END	NEW SURGE	NEW SURGE						BOTTOM	AVERAGE
IF	STATION	ELEVATION	10-YEAR	100-YEAR						SLOPE	A-ZONES
	3115.600	8.912	0.000	8.912	0.000	0.000	0.000	0.000	0.322	0.000	
-----END OF TRANSECT-----											

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

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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	6.83	10.75	13.65
OF	1.00	6.83	10.75	13.66
OF	2.00	6.83	10.75	13.66
OF	3.00	6.83	10.75	13.66
OF	4.00	6.84	10.75	13.66
OF	5.00	6.84	10.75	13.66
OF	6.00	6.84	10.75	13.67

OF	7.00	6.84	10.75	13.67
OF	8.00	6.85	10.75	13.67
OF	9.00	6.85	10.75	13.67
OF	10.00	6.85	10.75	13.67
OF	11.00	6.86	10.75	13.67
OF	12.00	6.86	10.75	13.68
OF	13.00	6.86	10.75	13.68
OF	14.00	6.86	10.75	13.68
OF	15.00	6.87	10.75	13.68
OF	16.00	6.87	10.75	13.68
OF	17.00	6.87	10.75	13.69
OF	18.00	6.88	10.75	13.69
OF	19.00	6.88	10.75	13.69
OF	20.00	6.88	10.75	13.69
OF	21.00	6.88	10.75	13.70
OF	22.00	6.89	10.75	13.70
OF	23.00	6.89	10.75	13.70
OF	24.00	6.89	10.75	13.70
OF	25.00	6.90	10.75	13.70
OF	26.00	6.90	10.75	13.71
OF	27.00	6.90	10.75	13.71
OF	28.00	6.91	10.75	13.71
OF	29.00	6.91	10.75	13.71
OF	30.00	6.91	10.75	13.71
OF	31.00	6.92	10.75	13.72
OF	32.00	6.92	10.75	13.72
OF	33.00	6.92	10.75	13.72
OF	34.00	6.93	10.75	13.72
OF	35.00	6.93	10.75	13.73
OF	36.00	6.93	10.75	13.73
OF	37.00	6.94	10.75	13.73
OF	38.00	6.94	10.75	13.73
OF	39.00	6.94	10.75	13.74
OF	40.00	6.95	10.75	13.74
OF	41.00	6.95	10.75	13.74
OF	42.00	6.95	10.75	13.74
OF	43.00	6.96	10.75	13.75
OF	44.00	6.96	10.75	13.75
OF	45.00	6.96	10.75	13.75
OF	46.00	6.97	10.75	13.75
OF	47.00	6.97	10.75	13.76
OF	48.00	6.97	10.75	13.76
OF	49.00	6.98	10.75	13.76
OF	50.00	6.98	10.75	13.76
OF	51.00	6.98	10.75	13.77
OF	52.00	6.99	10.75	13.77
OF	53.00	6.99	10.75	13.77
OF	54.00	7.00	10.75	13.77
OF	55.00	7.00	10.75	13.78
OF	56.00	7.00	10.75	13.78
OF	57.00	7.01	10.75	13.78
OF	58.00	7.01	10.75	13.78
OF	59.00	7.01	10.75	13.79
OF	60.00	7.02	10.75	13.79
OF	61.00	7.02	10.75	13.79
OF	62.00	7.03	10.75	13.80
OF	63.00	7.03	10.75	13.80
OF	64.00	7.03	10.75	13.80
OF	65.00	7.04	10.75	13.80
OF	66.00	7.04	10.75	13.81
OF	67.00	7.05	10.75	13.81
OF	68.00	7.05	10.75	13.81
OF	69.00	7.05	10.75	13.81
OF	70.00	7.06	10.75	13.82
OF	71.00	7.06	10.75	13.82
OF	72.00	7.07	10.75	13.82
OF	73.00	7.07	10.75	13.83
OF	74.00	7.07	10.75	13.83
OF	75.00	7.08	10.75	13.83
OF	76.00	7.08	10.75	13.84
OF	77.00	7.09	10.75	13.84
OF	78.00	7.09	10.75	13.84
OF	79.00	7.10	10.75	13.84
OF	80.00	7.10	10.75	13.85
OF	81.00	7.11	10.75	13.85
OF	82.00	7.11	10.75	13.85
OF	83.00	7.11	10.75	13.86
OF	84.00	7.12	10.75	13.86
OF	85.00	7.12	10.75	13.86
OF	86.00	7.13	10.75	13.87
OF	87.00	7.13	10.75	13.87
OF	88.00	7.14	10.75	13.87
OF	89.00	7.14	10.75	13.88
OF	90.00	7.14	10.75	13.88
OF	91.00	7.15	10.75	13.88
OF	92.00	7.15	10.75	13.88
OF	93.00	7.15	10.75	13.88
OF	94.00	7.15	10.75	13.88
OF	95.00	7.16	10.75	13.89
OF	96.00	7.16	10.75	13.89
OF	97.00	7.16	10.75	13.89
OF	98.00	7.16	10.75	13.89
OF	99.00	7.17	10.75	13.89
OF	100.00	7.17	10.75	13.89
OF	101.00	7.17	10.75	13.90
OF	102.00	7.17	10.75	13.90
OF	103.00	7.18	10.75	13.90
OF	104.00	7.18	10.75	13.90
OF	105.00	7.18	10.75	13.90
OF	106.00	7.18	10.75	13.90
OF	107.00	7.18	10.75	13.91
OF	108.00	7.19	10.75	13.91

OF	109.00	7.19	10.75	13.91
OF	110.00	7.19	10.75	13.91
OF	111.00	7.19	10.75	13.91
OF	112.00	7.20	10.75	13.92
OF	113.00	7.20	10.75	13.92
OF	114.00	7.20	10.75	13.92
OF	115.00	7.20	10.75	13.92
OF	116.00	7.21	10.75	13.92
OF	117.00	7.21	10.75	13.92
OF	118.00	7.21	10.75	13.93
OF	119.00	7.21	10.75	13.93
OF	120.00	7.22	10.75	13.93
OF	121.00	7.22	10.75	13.93
OF	122.00	7.22	10.75	13.93
OF	123.00	7.23	10.75	13.93
OF	124.00	7.23	10.75	13.94
OF	125.00	7.23	10.75	13.94
OF	126.00	7.23	10.75	13.94
OF	127.00	7.24	10.75	13.94
OF	128.00	7.24	10.75	13.94
OF	129.00	7.24	10.75	13.95
OF	130.00	7.24	10.75	13.95
OF	131.00	7.25	10.75	13.95
OF	132.00	7.25	10.75	13.95
OF	133.00	7.25	10.75	13.95
OF	134.00	7.25	10.75	13.95
OF	135.00	7.26	10.75	13.96
OF	136.00	7.26	10.75	13.96
OF	137.00	7.26	10.75	13.96
OF	138.00	7.26	10.75	13.96
OF	139.00	7.27	10.75	13.96
OF	140.00	7.27	10.75	13.97
OF	141.00	7.27	10.75	13.97
OF	142.00	7.28	10.75	13.97
OF	143.00	7.28	10.75	13.97
OF	144.00	7.28	10.75	13.97
OF	145.00	7.28	10.75	13.98
OF	146.00	7.29	10.75	13.98
OF	147.00	7.29	10.75	13.98
OF	148.00	7.29	10.75	13.98
OF	149.00	7.30	10.75	13.98
OF	150.00	7.30	10.75	13.99
OF	151.00	7.30	10.75	13.99
OF	152.00	7.31	10.75	13.99
OF	153.00	7.31	10.75	13.99
OF	154.00	7.31	10.75	14.00
OF	155.00	7.32	10.75	14.00
OF	156.00	7.32	10.75	14.00
OF	157.00	7.32	10.75	14.00
OF	158.00	7.32	10.75	14.00
OF	159.00	7.33	10.75	14.01
OF	160.00	7.33	10.75	14.01
OF	161.00	7.33	10.75	14.01
OF	162.00	7.34	10.75	14.01
OF	163.00	7.34	10.75	14.01
OF	164.00	7.34	10.75	14.02
OF	165.00	7.35	10.75	14.02
OF	166.00	7.35	10.75	14.02
OF	167.00	7.35	10.75	14.02
OF	168.00	7.36	10.75	14.03
OF	169.00	7.36	10.75	14.03
OF	170.00	7.36	10.75	14.03
OF	171.00	7.37	10.75	14.03
OF	172.00	7.37	10.75	14.04
OF	173.00	7.37	10.75	14.04
OF	174.00	7.38	10.75	14.04
OF	175.00	7.38	10.75	14.04
OF	176.00	7.39	10.75	14.05
OF	177.00	7.39	10.75	14.05
OF	178.00	7.39	10.75	14.05
OF	179.00	7.40	10.75	14.05
OF	180.00	7.40	10.75	14.06
OF	181.00	7.40	10.75	14.06
OF	182.00	7.41	10.75	14.06
OF	183.00	7.41	10.75	14.06
OF	184.00	7.41	10.75	14.07
OF	185.00	7.42	10.75	14.07
OF	186.00	7.42	10.75	14.07
OF	187.00	7.42	10.75	14.07
OF	188.00	7.43	10.75	14.08
OF	189.00	7.43	10.75	14.08
OF	190.00	7.44	10.75	14.08
OF	191.00	7.44	10.75	14.08
OF	192.00	7.44	10.75	14.09
OF	193.00	7.45	10.75	14.09
OF	194.00	7.45	10.75	14.09
OF	195.00	7.45	10.75	14.09
OF	196.00	7.46	10.75	14.10
OF	197.00	7.46	10.75	14.10
OF	198.00	7.46	10.75	14.10
OF	199.00	7.47	10.75	14.10
OF	200.00	7.47	10.75	14.11
OF	201.00	7.48	10.75	14.11
OF	202.00	7.48	10.75	14.11
OF	203.00	7.48	10.75	14.11
OF	204.00	7.49	10.75	14.12
OF	205.00	7.49	10.75	14.12
OF	206.00	7.50	10.75	14.12
OF	207.00	7.50	10.75	14.13
OF	208.00	7.50	10.75	14.13
OF	209.00	7.51	10.75	14.13
OF	210.00	7.51	10.75	14.13

OF	211.00	7.51	10.75	14.14
OF	212.00	7.52	10.75	14.14
OF	213.00	7.52	10.75	14.14
OF	214.00	7.53	10.75	14.15
OF	215.00	7.53	10.75	14.15
OF	216.00	7.53	10.75	14.15
OF	217.00	7.54	10.75	14.15
OF	218.00	7.54	10.75	14.16
OF	219.00	7.55	10.75	14.16
OF	220.00	7.55	10.75	14.16
OF	221.00	7.56	10.75	14.17
OF	222.00	7.56	10.75	14.17
OF	223.00	7.56	10.75	14.17
OF	224.00	7.57	10.75	14.17
OF	225.00	7.57	10.75	14.18
OF	226.00	7.58	10.75	14.18
OF	227.00	7.58	10.75	14.18
OF	228.00	7.58	10.75	14.19
OF	229.00	7.59	10.75	14.19
OF	230.00	7.59	10.75	14.19
OF	231.00	7.60	10.75	14.19
OF	232.00	7.60	10.75	14.20
OF	233.00	7.61	10.75	14.20
OF	234.00	7.61	10.75	14.20
OF	235.00	7.61	10.75	14.21
OF	236.00	7.62	10.75	14.21
OF	237.00	7.62	10.75	14.21
OF	238.00	7.63	10.75	14.22
OF	239.00	7.63	10.75	14.22
OF	240.00	7.64	10.75	14.22
OF	241.00	7.64	10.75	14.23
OF	242.00	7.64	10.75	14.23
OF	243.00	7.65	10.75	14.23
OF	244.00	7.65	10.75	14.23
OF	245.00	7.66	10.75	14.24
OF	246.00	7.66	10.75	14.24
OF	247.00	7.67	10.75	14.24
OF	248.00	7.67	10.75	14.25
OF	249.00	7.68	10.75	14.25
OF	250.00	7.68	10.75	14.25
OF	251.00	7.69	10.75	14.26
OF	252.00	7.69	10.75	14.26
OF	253.00	7.70	10.75	14.26
OF	254.00	7.70	10.75	14.27
OF	255.00	7.70	10.75	14.27
OF	256.00	7.71	10.75	14.27
OF	257.00	7.71	10.75	14.28
OF	258.00	7.72	10.75	14.28
OF	259.00	7.72	10.75	14.28
OF	261.00	7.74	10.75	14.29
OF	262.00	7.76	10.75	14.31
OF	264.00	7.80	10.75	14.34
OF	265.00	7.82	10.75	14.35
OF	267.00	7.87	10.75	14.38
OF	268.00	7.89	10.75	14.40
OF	270.00	7.94	10.75	14.43
OF	271.00	7.96	10.75	14.45
OF	273.00	8.01	10.75	14.49
OF	274.00	8.04	10.75	14.50
OF	277.00	8.12	10.75	14.56
OF	279.00	8.15	10.75	14.58
OF	280.00	8.16	10.75	14.59
OF	282.00	8.18	10.75	14.61
OF	283.00	8.20	10.75	14.61
OF	285.00	8.22	10.75	14.63
OF	286.00	8.23	10.75	14.64
OF	288.00	8.25	10.75	14.66
OF	289.00	8.27	10.75	14.66
OF	291.00	8.29	10.75	14.68
OF	292.00	8.30	10.75	14.69
OF	294.00	8.33	10.75	14.71
OF	295.00	8.34	10.75	14.72
OF	297.00	8.36	10.75	14.73
OF	298.00	8.38	10.75	14.74
OF	303.00	8.45	10.75	14.80
OF	304.00	8.48	10.75	14.81
OF	309.00	8.59	10.75	14.90
OF	310.00	8.62	10.75	14.91
OF	315.00	8.75	10.75	15.01
OF	316.00	8.78	10.75	15.03
OF	321.00	8.92	10.75	15.13
OF	322.00	8.96	10.75	15.15
OF	327.00	9.12	10.75	15.27
OF	328.00	9.15	10.75	15.29
OF	333.00	9.34	10.75	15.42
OF	334.00	9.38	10.75	15.45
OF	340.00	9.50	10.75	15.54
OF	346.00	9.40	10.75	15.46
OF	352.00	9.29	10.75	15.38
IF	414.00	4.59	10.75	12.09
IF	419.90	1.79	10.75	10.47
IF	421.00	0.01	10.75	9.22
AS	425.50	0.00	0.00	8.88
IF	445.50	0.11	0.38	8.96
IF	457.20	0.01	0.45	8.89
AS	463.70	0.00	0.00	8.88
IF	469.50	0.05	0.26	8.91
IF	481.50	0.09	0.37	8.94
IF	486.30	0.01	0.40	8.89
AS	505.50	0.00	0.00	8.88
IF	507.00	0.02	0.17	8.89
IF	507.80	0.01	0.19	8.89

AS	804.30	0.00	0.00	8.89
IF	807.50	0.03	0.21	8.91
IF	831.00	0.13	0.42	8.98
IF	843.50	0.17	0.48	9.01
	981.75	0.46	0.79	9.21
	1092.35	0.63	0.93	9.33
OF	1120.00	0.67	0.95	9.36
OF	1121.00	0.67	0.96	9.36
OF	1126.00	0.68	0.96	9.36
OF	1127.00	0.68	0.96	9.37
OF	1132.00	0.68	0.97	9.37
OF	1133.00	0.69	0.97	9.37
OF	1138.00	0.69	0.97	9.38
OF	1139.00	0.69	0.97	9.38
OF	1144.00	0.70	0.98	9.38
OF	1145.00	0.70	0.98	9.38
OF	1150.00	0.71	0.98	9.39
OF	1151.00	0.71	0.99	9.39
OF	1156.00	0.72	0.99	9.39
OF	1157.00	0.72	0.99	9.39
OF	1162.00	0.73	1.00	9.40
OF	1163.00	0.73	1.00	9.40
OF	1168.00	0.73	1.00	9.40
OF	1169.00	0.73	1.00	9.41
OF	1174.00	0.74	1.01	9.41
OF	1175.00	0.74	1.01	9.41
OF	1180.00	0.75	1.01	9.42
OF	1181.00	0.75	1.01	9.42
OF	1186.00	0.76	1.02	9.42
OF	1187.00	0.76	1.02	9.42
OF	1192.00	0.77	1.02	9.43
OF	1193.00	0.77	1.02	9.43
OF	1199.00	0.77	1.03	9.43
OF	1204.00	0.78	1.03	9.44
OF	1205.00	0.78	1.03	9.44
OF	1216.00	0.80	1.04	9.45
OF	1217.00	0.80	1.04	9.45
OF	1228.00	0.81	1.05	9.46
OF	1229.00	0.81	1.05	9.46
OF	1240.00	0.83	1.06	9.47
OF	1241.00	0.83	1.06	9.47
OF	1252.00	0.84	1.07	9.48
OF	1253.00	0.84	1.07	9.48
OF	1264.00	0.86	1.08	9.49
OF	1265.00	0.86	1.08	9.49
OF	1277.00	0.87	1.09	9.50
OF	1278.00	0.87	1.09	9.50
OF	1289.00	0.89	1.10	9.51
OF	1290.00	0.89	1.10	9.51
OF	1301.00	0.90	1.11	9.52
OF	1302.00	0.90	1.11	9.52
OF	1313.00	0.92	1.12	9.53
OF	1314.00	0.92	1.12	9.53
OF	1325.00	0.93	1.13	9.54
OF	1326.00	0.93	1.13	9.54
OF	1337.00	0.95	1.14	9.55
OF	1338.00	0.95	1.14	9.55
OF	1349.00	0.96	1.14	9.56
OF	1350.00	0.96	1.15	9.56
OF	1361.00	0.97	1.15	9.57
OF	1362.00	0.97	1.15	9.57
OF	1373.00	0.99	1.16	9.58
OF	1374.00	0.99	1.16	9.58
OF	1411.00	1.03	1.19	9.61
OF	1496.00	1.12	1.24	9.68
OF	1497.00	1.13	1.24	9.68
OF	1508.00	1.14	1.25	9.69
OF	1509.00	1.14	1.25	9.69
OF	1527.00	1.16	1.26	9.70
OF	1530.00	1.16	1.26	9.70
OF	1541.00	1.17	1.27	9.71
OF	1542.00	1.17	1.27	9.71
OF	1553.00	1.19	1.27	9.72
OF	1554.00	1.19	1.27	9.72
OF	1565.00	1.20	1.28	9.73
OF	1566.00	1.20	1.28	9.73
OF	1577.00	1.21	1.29	9.74
OF	1578.00	1.21	1.29	9.74
OF	1589.00	1.22	1.29	9.75
OF	1590.00	1.22	1.29	9.75
OF	1601.00	1.24	1.30	9.76
OF	1602.00	1.24	1.30	9.76
OF	1638.00	1.27	1.32	9.78
OF	1639.00	1.27	1.32	9.78
OF	1650.00	1.29	1.33	9.79
OF	1651.00	1.29	1.33	9.79
OF	1662.00	1.30	1.33	9.80
OF	1663.00	1.30	1.33	9.80
OF	1674.00	1.31	1.34	9.81
OF	1675.00	1.31	1.34	9.81
OF	1686.00	1.32	1.34	9.82
OF	1687.00	1.32	1.34	9.82
OF	1715.00	1.35	1.36	9.84
OF	1716.00	1.35	1.36	9.84
OF	1727.00	1.36	1.36	9.85
OF	1728.00	1.36	1.36	9.85
OF	1739.00	1.37	1.37	9.85
OF	1740.00	1.37	1.37	9.86
OF	1763.00	1.40	1.38	9.87
OF	1764.00	1.40	1.38	9.87
	1914.00	1.54	1.45	9.97
	2014.00	1.63	1.49	10.04

	2114.00	1.72	1.53	10.10
	2214.00	1.80	1.57	10.16
	2314.00	1.88	1.61	10.22
	2514.00	2.03	1.67	10.33
OF	2544.00	2.05	1.68	10.34
OF	2545.00	2.05	1.68	10.34
OF	2556.00	2.06	1.69	10.35
OF	2557.00	2.06	1.69	10.35
OF	2568.00	2.07	1.69	10.35
OF	2569.00	2.07	1.69	10.36
OF	2580.00	2.08	1.69	10.36
OF	2581.00	2.08	1.69	10.36
OF	2592.00	2.09	1.70	10.37
OF	2593.00	2.09	1.70	10.37
OF	2604.00	2.10	1.70	10.37
OF	2605.00	2.10	1.70	10.37
OF	2616.00	2.10	1.71	10.38
OF	2617.00	2.10	1.71	10.38
OF	2628.00	2.11	1.71	10.38
OF	2629.00	2.11	1.71	10.39
OF	2640.00	2.12	1.71	10.39
OF	2641.00	2.12	1.71	10.39
OF	2652.00	2.13	1.72	10.40
OF	2653.00	2.13	1.72	10.40
OF	2663.00	2.14	1.72	10.40
OF	2664.00	2.14	1.72	10.40
	2848.10	2.26	1.77	10.49
OF	2927.00	2.31	1.80	10.53
OF	2928.00	2.31	1.80	10.53
OF	2933.00	2.31	1.80	10.53
OF	2934.00	2.31	1.80	10.53
OF	2939.00	2.32	1.80	10.53
OF	2940.00	2.32	1.80	10.53
OF	2945.00	2.32	1.80	10.53
OF	2946.00	2.32	1.80	10.53
OF	2951.00	2.32	1.80	10.54
OF	2952.00	2.32	1.80	10.54
OF	2957.00	2.33	1.81	10.54
OF	2958.00	2.33	1.81	10.54
OF	2963.00	2.33	1.81	10.54
OF	2964.00	2.33	1.81	10.54
OF	2969.00	2.33	1.81	10.55
OF	2970.00	2.34	1.81	10.55
OF	2975.00	2.34	1.81	10.55
OF	2976.00	2.34	1.81	10.55
OF	2981.00	2.34	1.81	10.55
OF	2982.00	2.34	1.81	10.55
OF	2987.00	2.35	1.81	10.55
OF	2988.00	2.35	1.81	10.55
OF	2993.00	2.35	1.82	10.56
OF	2994.00	2.35	1.82	10.56
OF	2999.00	2.35	1.82	10.56
OF	3000.00	2.35	1.82	10.56
OF	3005.00	2.36	1.82	10.56
OF	3006.00	2.36	1.82	10.56
OF	3011.00	2.36	1.82	10.56
OF	3012.00	2.36	1.82	10.56
OF	3017.00	2.37	1.82	10.57
OF	3018.00	2.37	1.82	10.57
OF	3023.00	2.37	1.82	10.57
OF	3024.00	2.37	1.82	10.57
OF	3029.00	2.37	1.83	10.57
OF	3030.00	2.37	1.83	10.57
OF	3036.00	2.38	1.83	10.57
OF	3039.00	2.38	1.83	10.58
OF	3044.00	2.38	1.83	10.58
OF	3045.00	2.38	1.83	10.58
OF	3056.00	2.39	1.83	10.59
OF	3057.00	2.39	1.83	10.59
IF	3096.00	2.35	1.84	10.55
IF	3097.00	2.34	1.84	10.55
IF	3115.60	0.01	1.85	8.92
PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE				
	BETWEEN	421.00 AND	425.50	
	BETWEEN	457.20 AND	463.70	
	BETWEEN	486.30 AND	505.50	
	BETWEEN	507.80 AND	804.30	
PART4 LOCATION OF SURGE CHANGES				
STATION	10-YEAR SURGE		100-YEAR SURGE	
41.00		1.00		8.88
157.00		1.00		8.88
213.00		1.00		8.88
282.00		1.00		8.88
291.00		1.00		8.88
298.00		1.00		8.88
310.00		1.00		8.88
321.00		1.00		8.88
334.00		1.00		8.88
352.00		1.00		8.88
414.00		1.00		8.88
419.90		1.00		9.21
425.50		1.00		8.88
804.30		1.00		8.89
1325.00		1.00		8.89
1496.00		1.00		8.89
1509.00		1.00		8.89
1715.00		1.00		8.89
2544.00		1.00		8.91
2927.00		1.00		8.91
2957.00		1.00		8.91
3039.00		1.00		8.91
PART5 LOCATION OF V ZONES				

STATION OF GUTTER 417.36		LOCATION OF ZONE WINDWARD		
PART6 NUMBERED A ZONES AND V ZONES		ZONE DESIGNATION		
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION		
0.00	13.65			
		V22	EL=14	120
40.00	13.74			
		V22	EL=14	120
41.00	13.74			
		V22	EL=14	120
156.00	14.00			
		V22	EL=14	120
157.00	14.00			
		V22	EL=14	120
212.00	14.14			
		V22	EL=14	120
213.00	14.14			
		V22	EL=14	120
273.78	14.50			
		V22	EL=15	120
280.00	14.59			
		V22	EL=15	120
282.00	14.61			
		V22	EL=15	120
289.00	14.66			
		V22	EL=15	120
291.00	14.68			
		V22	EL=15	120
297.00	14.73			
		V22	EL=15	120
298.00	14.74			
		V22	EL=15	120
309.00	14.90			
		V22	EL=15	120
310.00	14.91			
		V22	EL=15	120
316.00	15.03			
		V22	EL=15	120
321.00	15.13			
		V22	EL=15	120
333.00	15.42			
		V22	EL=15	120
334.00	15.45			
		V22	EL=15	120
337.62	15.50			
		V22	EL=16	120
342.86	15.50			
		V22	EL=15	120
346.00	15.46			
		V22	EL=15	120
352.00	15.38			
		V22	EL=15	120
368.65	14.50			
		V22	EL=14	120
387.50	13.50			
		V22	EL=13	120
406.34	12.50			
		V22	EL=12	120
414.00	12.09			
		V22	EL=12	120
416.15	11.50			
		V22	EL=11	120
417.36	11.15			
		A18	EL=11	90
419.78	10.50			
		A18	EL=10	90
419.90	10.47			
		A18	EL=10	90
420.75	9.50			
		A18	EL= 9	90
421.00	9.22			
425.50	8.88			
		A18	EL= 9	90
457.20	8.89			
463.70	8.88			
		A18	EL= 9	90
486.30	8.89			
505.50	8.88			
		A18	EL= 9	90
507.80	8.89			
804.30	8.89			
		A18	EL= 9	90
1274.36	9.50			
		A18	EL=10	90
1314.00	9.53			
		A18	EL=10	90
1325.00	9.54			
		A18	EL=10	90
1411.00	9.61			
		A18	EL=10	90
1496.00	9.68			
		A18	EL=10	90
1508.00	9.69			
		A18	EL=10	90
1509.00	9.69			
		A18	EL=10	90
1687.00	9.82			
		A18	EL=10	90
1715.00	9.84			
		A18	EL=10	90
1764.00	9.87			
		A18	EL=10	90

2544.00	10.34			
2664.00	10.40	A18	EL=10	90
2871.27	10.50	A18	EL=10	90
2927.00	10.53	A18	EL=11	90
2952.00	10.54	A18	EL=11	90
2957.00	10.54	A18	EL=11	90
3036.00	10.57	A18	EL=11	90
3039.00	10.58	A18	EL=11	90
3097.56	10.50	A18	EL=11	90
3108.96	9.50	A18	EL=10	90
3115.60	8.92	A18	EL= 9	90

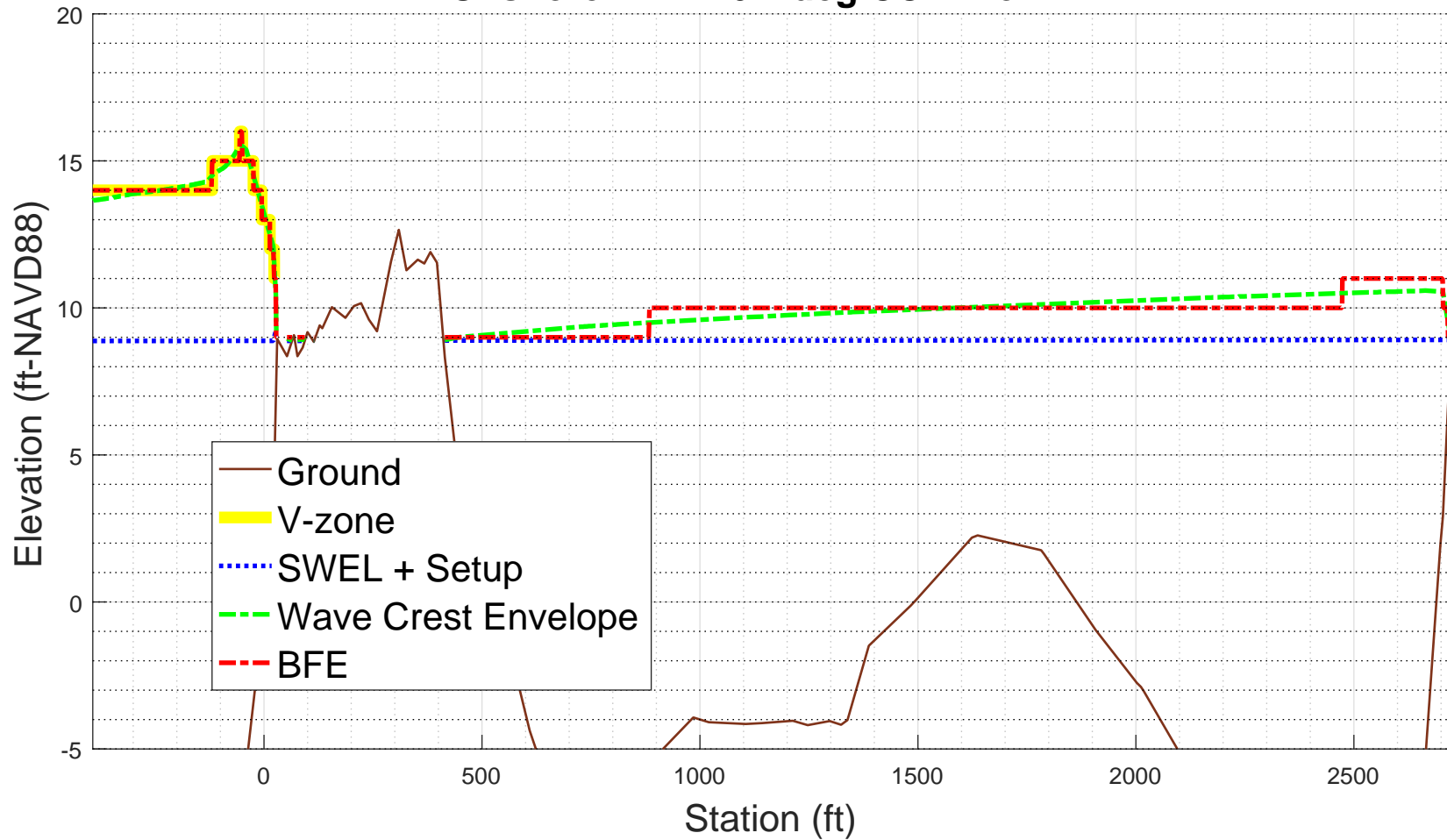
ZONE TERMINATED AT END OF TRANSECT  
 PART 7 POSTSCRIPT NOTES

PS# 1 START(425365.8657,4849410.3126)  
 PS# 2 END(424933.156,4850281.0358)

-1.000000e+00



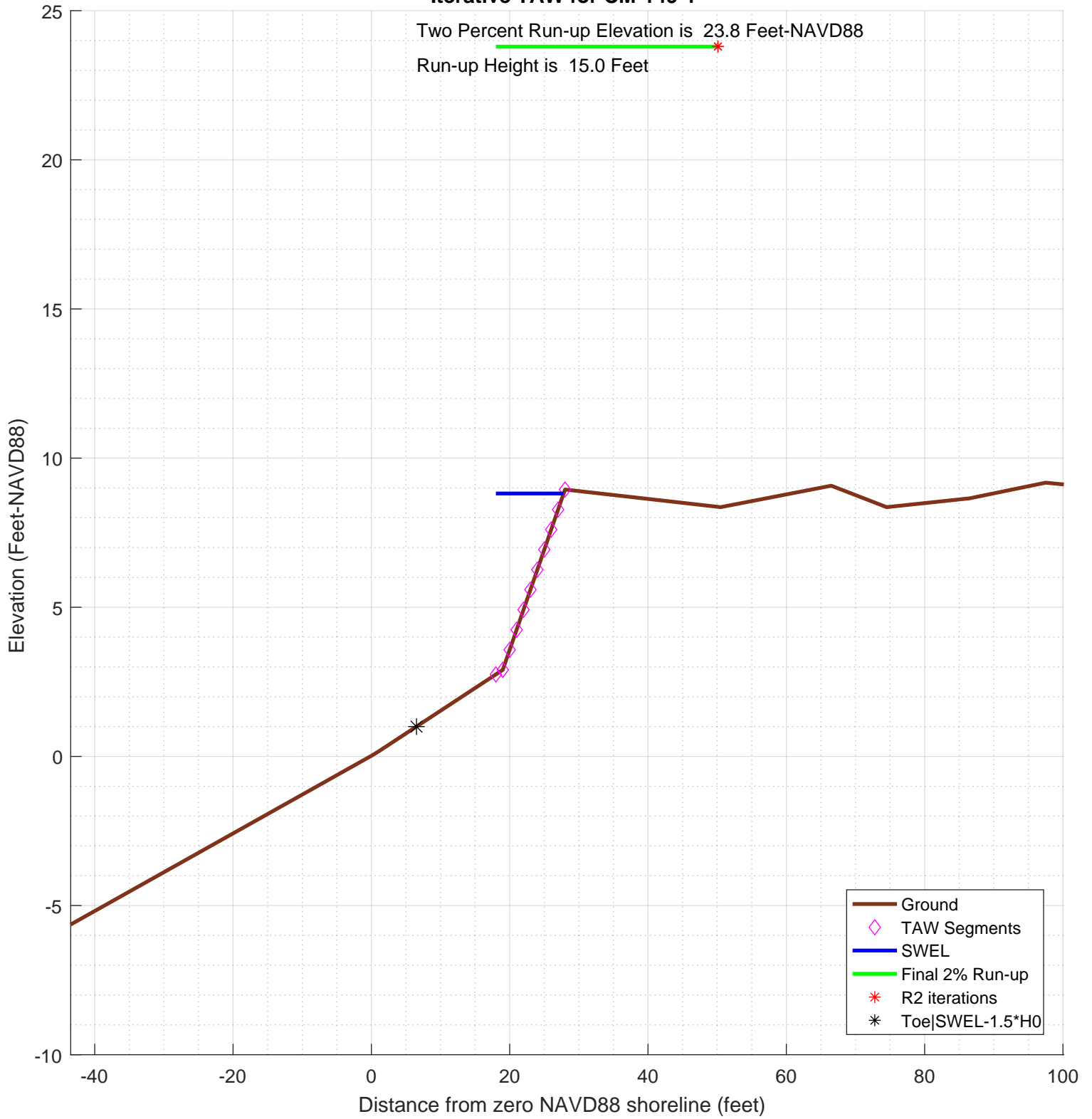
**CM-149-1**  
**100-year WHAFIS Output**  
**Zero Station: -69.92837209, 43.79494956**  
**Onshore Dir: 116.4 deg CCW from E**



### Iterative TAW for CM-149-1

Two Percent Run-up Elevation is 23.8 Feet-NAVD88

Run-up Height is 15.0 Feet



```

diary on          % begin recording

% FEMA appeal for The Town of Harpswell, Cumberland county, Maine
% TRANSECT ID: CM-149-1
% calculation by SJH, Ransom Consulting, Inc. 20-Feb-2020
% 100-year wave runup using TAW methodology
% including berm and weighted average with foreshore if necessary
%
% chk nld 20200220
%
% This script assumes that the incident wave conditions provided
% as input in the configuration section below are the
% appropriate values located at the end of the foreshore
% or toe of the slope on which the run-up is being calculated
% the script does not attempt to apply a depth limit or any other
% transformation to the incident wave conditions other than
% conversion of the peak wave period to the spectral mean wave
% as recommended in the references below
%
% references:
%
% Van der Meer, J.W., 2002. Technical Report Wave Run-up and
% Wave Overtopping at Dikes. TAW Technical Advisory Committee on
% Flood Defence, The Netherlands.
%
% FEMA. 2007, Atlantic Ocean and Gulf of Mexico Coastal Guidelines Update
%
%
%-----
% CONFIG
%-----
fname='inpfiles/CM-149-1sta_ele_include.csv'; % file with station, elevation, include
% third column is 0 for excluded points
imgname='logfiles/CM-149-1-runup';
SWEL=8.8764; % 100-yr still water level including wave setup.
H0=5.21; % significant wave height at toe of structure
Tp=10.9082; % peak period, 1/fma,
T0=Tp/1.1;

gamma_berm=1; % this may get changed automatically below
gamma_rough=0.8;
gamma_beta=1;
gamma_perm=1;

setupAtToe=-0.062926;
maxSetup=0.33328; % only used in case of berm/shallow foreshore weighted average

plotTitle='Iterative TAW for CM-149-1'

plotTitle =

Iterative TAW for CM-149-1

% END CONFIG
%-----

SWEL=SWEL+setupAtToe

SWEL =

8.813474

SWEL_fore=SWEL+maxSetup

SWEL_fore =

9.146754

% FIND WAVELENGTH USING DEEPWATER DISPERSION RELATION
% using English units
L0=32.15/(2*pi)*T0^2

L0 =

503.178322230337

% Find Hb (Munk, 1949)
%Hb=H0/(3.3*(H0/L0)^(1/3))
%Db=-Hb/.78+SWEL; % depth at breaking

% The toe elevation here is only used to determine the average
% structure slope, it is not used to depth limit the wave height.
% Any depth limiting or other modification of the wave height

```

```

% to make it consistent with TAW guidance should be performed
% prior to the input of the significant wave height given above.
Ztoe=SWEL-1.5*H0

Ztoe =

    0.9984740000000002

% read the transect
[sta,dep,inc] = textread(fname,'%n%n%n%[^\\n]','delimiter',' ','headerlines',0);

% remove unselected points
k=find(inc==0);
sta(k)=[];
dep(k)=[];

sta_org=sta; % used for plotting purposes
dep_org=dep;

% initial guess at maximum run-up elevation to estimate slope
Z2=SWEL+1.5*H0

Z2 =

    16.628474

% determine station at the max runup and -1.5*H0 (i.e. the toe)
top_sta=-999;
toe_sta=-999;
for kk=1:length(sta)-1
    if ((Z2 > dep(kk)) & (Z2 <= dep(kk+1))) % here is the intersection of z2 with profile
        top_sta=interp1(dep(kk:kk+1),sta(kk:kk+1),Z2)
    end
    if ((Ztoe > dep(kk)) & (Ztoe <= dep(kk+1))) % here is the intersection of Ztoe with profile
        toe_sta=interp1(dep(kk:kk+1),sta(kk:kk+1),Ztoe)
    end
end
% check to make sure we got them, if not extend the end slopes outward
S=diff(dep)./diff(sta);
if toe_sta== -999
    dy=dep(1)-Ztoe;
    toe_sta=sta(1)-dy/S(1)
end

toe_sta =

    6.52346132406467

if top_sta== -999
    dy=Z2-dep(end);
    top_sta=sta(end)+dy/S(end)
end

top_sta =

    39.4349684265057

% just so the reader can tell the values aren't -999 anymore
top_sta

top_sta =

    39.4349684265057

toe_sta

toe_sta =

    6.52346132406467

% check for case where the toe of slope is below SWL-1.5*H0
% in this case interpolate setup from the setupAtToe(really setup as first station), and the max setup
% also un-include points seaward of SWL-1.5*H0
if Ztoe > dep(1)
    dd=SWEL_fore-dep;
    k=find(dd<0,1); % k is index of first land point
    staAtSWL=interp1(dep(k-1:k),sta(k-1:k),SWEL_fore);
    dsta=staAtSWL-sta(1);
    dsetup=maxSetup-setupAtToe;
    dsetdsta=dsetup/dsta;
    setup=setupAtToe+dsetdsta*(toe_sta-sta(1));
    sprintf('!!- Location of SWEL-1.5*H0 is %4.1f ft landward of toe of slope',dsta)
    sprintf('!!- Setup is interpolated between setup at toe of slope and max setup')

```

```

    sprintf('!!-      setup is adjusted to %4.2f feet',setup)
    SWEL=SWEL-setupAtToe+setup;
    sprintf('!!-      SWEL is adjusted to %4.2f feet',SWEL)
    k=find(dep < SWEL-1.5*H0)
    sta(k)=[];
    dep(k)=[];
else
    sprintf('!!- The User has selected a starting point that is %4.2f feet above the elevation of SWEL-1.5H0\n',dep(1)
    sprintf('!!- This may be reasonable for some cases.  However the user may want to consider:\n')
    sprintf('!!-      1) Selecting a starting point that is at or below %4.2f feet elevation, or\n', Ztoe)
    sprintf('!!-      2) Reducing the incident wave height to a depth limited condition.\n')
end

ans =

!!- The User has selected a starting point that is 1.75 feet above the elevation of SWEL-1.5H0

ans =

!!- This may be reasonable for some cases.  However the user may want to consider:

ans =

!!-      1) Selecting a starting point that is at or below 1.00 feet elevation, or

ans =

!!-      2) Reducing the incident wave height to a depth limited condition.

% now iterate converge on a runup elevation
tol=0.01; % convergence criteria
R2del=999;
R2_new=3*H0; %initial guess
R2=R2_new;
iter=0;
R2_all=[];
topStaAll=[];
Berm_Segs=[];
TAW_ALWAYS_VALID=1;
while(abs(R2del) > tol && iter <= 25)
    iter=iter+1;
    sprintf('!----- STARTING ITERATION %d -----!',iter)
    % elevation of toe of slope
    Ztoe
    % station of toe slope (relative to 0-NAVD88 shoreline
    toe_sta
    % station of top of slope/extent of 2% run-up
    top_sta
    % elevation of top of slope/extent of 2% run-up
    Z2
    % incident significant wave height
    H0
    % incident spectral peak wave period
    Tp
    % incident spectral mean wave period
    T0

    R2=R2_new
    Z2=R2+SWEL
    % determine slope for this iteration
    top_sta=-999;
    for kk=1:length(sta)-1
        if ((Z2 > dep(kk)) & (Z2 <= dep(kk+1))) % here is the intersection of z2 with profile
            top_sta=interp1(dep(kk:kk+1),sta(kk:kk+1),Z2)
            break;
        end
    end
    if top_sta== -999
        dy=Z2-dep(end);
        top_sta=sta(end)+dy/S(end)
    end

    % get the length of the slope (not accounting for berm)
    Lslope=top_sta-toe_sta

    % loop over profile segments to determine berm factor
    % re-calculate influence of depth of berm based on this run-up elevation
    % check for berm, berm width, berm height
    berm_width=0;
    rdh_sum=0;

```

```

Berm_Segs=[];
Berm_Heights=[];
for kk=1:length(sta)-1
    ddep=dep(kk+1)-dep(kk);
    dsta=sta(kk+1)-sta(kk);
    s=ddep/dsta;
    if (s < 1/15) % count it as a berm if slope is flatter than 1:15 (see TAW manual)
        sprintf('Berm Factor Calculation: Iteration %d, Profile Segment: %d',iter, kk)
        berm_width=berm_width+dsta; % tally the width of all berm segments
        % compute the rdh for this segment and weight it by the segment length
        dh=SWEL-(dep(kk)+dep(kk+1))/2
        if dh < 0
            chi=R2;
        else
            chi=2* H0;
        end
        if (dh <= R2 & dh >=-2*H0)
            rdh=(0.5-0.5*cos(3.14159*dh/chi)) ;
        else
            rdh=1;
        end
        rdh_sum=rdh_sum + rdh * dsta
        Berm_Segs=[Berm_Segs, kk];
        Berm_Heights=[Berm_Heights, (dep(kk)+dep(kk+1))/2];
    end
    if dep(kk) >= Z2 % jump out of loop if we reached limit of run-up for this iteration
        break
    end
end
sprintf('!----- End Berm Factor Calculation, Iter: %d -----!',iter)
berm_width
rB=berm_width/Lslope
if (berm_width > 0)
    rdh_mean=rdh_sum/berm_width
else
    rdh_mean=1
end
gamma_berm=1- rB * (1-rdh_mean)
if gamma_berm > 1
    gamma_berm=1
end
if gamma_berm < 0.6
    gamma_berm =0.6
end
% Iribarren number
slope=(Z2-Ztoe)/(Lslope-berm_width)
Irb=(slope/(sqrt(H0/L0)))
% runup height
gamma_berm
gamma_perm
gamma_beta
gamma_rough
gamma=gamma_berm*gamma_perm*gamma_beta*gamma_rough

% check validity
TAW_VALID=1;
if (Irb*gamma_berm < 0.5 | Irb*gamma_berm > 10 )
    sprintf('!!! - - Iribarren number: %6.2f is outside the valid range (0.5-10), TAW NOT VALID - - !!!\n', Irb*gamma_berm)
    TAW_VALID=0;
else
    sprintf('!!! - - Iribarren number: %6.2f is in the valid range (0.5-10), TAW RECOMMENDED - - !!!\n', Irb*gamma_berm)
end
islope=1/slope;
if (slope < 1/8 | slope > 1)
    sprintf('!!! - - slope: 1:%3.1f V:H is outside the valid range (1:8 - 1:1), TAW NOT VALID - - !!!\n', islope)
    TAW_VALID=0;
else
    sprintf('!!! - - slope: 1:%3.1f V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!\n', islope)
end
if TAW_VALID == 0
    TAW_ALWAYS_VALID=0;
end

if (Irb*gamma_berm < 1.8)
    R2_new=gamma*H0*1.77*Irb
else
    R2_new=gamma*H0*(4.3-(1.6/sqrt(Irb)))
end

% check to see if we need to evaluate a shallow foreshore
if berm_width > 0.25 * L0;
    disp('! Berm_width is greater than 1/4 wave length')
    disp('! Runup will be weighted average with foreshore calculation assuming depth limited wave height on berm')
    % do the foreshore calculation
    fore_H0=0.78*(SWEL_fore-min(Berm_Heights))
    % get upper slope
    fore_toe_sta=-999;
    fore_toe_dep=-999;
    for kk=length(dep)-1:-1:1

```

```

        ddep=dep(kk+1)-dep(kk);
        dsta=sta(kk+1)-sta(kk);
        s=ddep/dsta;
        if s < 1/15
            break
        end
        fore_toe_sta=sta(kk);
        fore_toe_dep=dep(kk);
        upper_slope=(Z2-fore_toe_dep)/(top_sta-fore_toe_sta)
    end
    fore_Irb=upper_slope/(sqrt(fore_H0/L0));
    fore_gamma=gamma_perm*gamma_beta*gamma_rough;
    if (fore_Irb < 1.8)
        fore_R2=fore_gamma*fore_H0*1.77*fore_Irb;
    else
        fore_R2=fore_gamma*fore_H0*(4.3-(1.6/sqrt(fore_Irb)));
    end
    if berm_width >= L0
        R2_new=fore_R2
        disp('berm is wider than one wavelength, use full shallow foreshore solution');
    else
        w2=(berm_width-0.25*L0)/(0.75*L0)
        w1=1-w2
        R2_new=w2*fore_R2 + w1*R2
    end
end % end berm width check

% convergence criterion
R2del=abs(R2-R2_new)
R2_all(iter)=R2_new;

% get the new top station (for plot purposes)
Z2=R2_new+SWEL
top_sta=-999;
for kk=1:length(sta)-1
    if ((Z2 > dep(kk)) & (Z2 <= dep(kk+1))) % here is the intersection of z2 with profile
        top_sta=interp1(dep(kk:kk+1),sta(kk:kk+1),Z2)
        break;
    end
end
if top_sta== -999
    dy=Z2-dep(end);
    top_sta=sta(end)+dy/S(end);
end
topStaAll(iter)=top_sta;
end
ans =
!----- STARTING ITERATION 1 -----!
Ztoe =
    0.998474000000002
toe_sta =
    6.52346132406467
top_sta =
    39.4349684265057
Z2 =
    16.628474
H0 =
    5.21
Tp =
    10.9082
T0 =
    9.91654545454545
R2 =
    15.63
Z2 =
    24.443474
top_sta =
    51.0684836684203
Lslope =
    44.5450223443556
ans =
!----- End Berm Factor Calculation, Iter: 1 -----!
berm_width =
    0
rB =
    0
rdh_mean =
    1
gamma_berm =
    1
slope =
    0.526321433150449
Irb =
    5.17241253661293
gamma_berm =
    1
gamma_perm =
    1
gamma_beta =
    1

```

```

gamma_rough =
                0.8
gamma =
                0.8
ans =
!!! - - Iribaren number: 5.17 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:1.9 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
14.9901491886956
R2del =
0.63985081130442
Z2 =
23.8036231886956
ans =
!----- STARTING ITERATION 2 -----!
Ztoe =
0.998474000000002
toe_sta =
6.52346132406467
top_sta =
50.1159930521872
Z2 =
23.8036231886956
H0 =
5.21
Tp =
10.9082
T0 =
9.91654545454545
R2 =
14.9901491886956
Z2 =
23.8036231886956
top_sta =
50.1159930521872
Lslope =
43.5925317281225
ans =
!----- End Berm Factor Calculation, Iter: 2 -----!
berm_width =
0
rB =
0
rdh_mean =
1
gamma_berm =
1
slope =
0.523143490057575
Irb =
5.14118136938526
gamma_berm =
1
gamma_perm =
1
gamma_beta =
1
gamma_rough =
0.8
gamma =
0.8
ans =
!!! - - Iribaren number: 5.14 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:1.9 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
14.9812563921845
R2del =
0.00889279651103436
Z2 =
23.7947303921845
% final 2% runup elevation
Z2=R2_new+SWEL
Z2 =
23.7947303921845
diary off
-1.000000e+00
-1.000000e+00

```



---

PART 5: RUNUP2

for transect: CM-149-1

Station locations shifted by: -0.15 feet from their  
original location to set the shoreline to  
elevation 0 for RUNUP2 input

---

RUNUP2 INPUT CONVERSIONS

for transect: CM-149-1

Incident significant wave height: 4.27 feet

Peak wave period: 10.75 seconds

Mean wave height: 2.67 feet

Local Depth below SWEL: 59.13 feet

Mean wave height deshoaled using Hunt approximation for  
celerity assuming constant wave energy flux.

References: R.G. Dean and R.A. Dalrymple. 2000. Water

Wave Mechanics for Engineers and Scientists. World  
Scientific Publishing Company, River Edge New Jersey

USACE (1985), Direct Methods for Calculating Wavelength, CETN-1-17  
US Army Engineer Waterways Experiment Station Coastal Engineering  
Research Center, Vicksburg, MS

also see Coastal Engineering Manual Part II-3  
for discussion of shoaling coefficient

Depth,  $D = 59.13$

Period,  $T = 9.14$

Waveheight,  $H = 2.67$

Deep water wavelength,  $L_0$  (ft)

$L_0 = g \cdot T^2 / 2\pi$

$L_0 = 32.17 \cdot 9.14^2 / 6.28 = 427.57$

Deep water wave celerity,  $C_0$  (ft/s)

$C_0 = L_0 / T$

$C_0 = 427.57 / 9.14 = 46.79$

Angular frequency,  $\sigma$  (rad/s)

$\sigma = 2\pi / T$

$\sigma = 6.28 / 9.14 = 0.69$

Hunts (1979) approximation for Celerity  $C_{1H}$  (ft/s) at Depth  $D$  (ft)

$y = \sigma \cdot \sigma \cdot D / g$

$y = 0.69 \cdot 0.69 \cdot 59.13 / 32.17 = 0.87$

$C_{1H} = \sqrt{g \cdot D / (y + 1 / (1 + 0.6522 \cdot y + 0.4622 \cdot y^2 + 0.0864 \cdot y^4 + 0.0675 \cdot y^5))}$

$C_{1H} = 37.27$

Shoaling Coefficient  $K_{sH}$

$K_{sH} = \sqrt{C_0 / C_{1H}}$

$K_{sH} = \sqrt{46.79 / 37.27} = 1.12$

Deepwater Wave Height  $H_{0_H}$  (ft)

$H_{0_H} = H / K_{sH}$

$H_{0_H} = 2.67 / 1.12 = 2.38$

Deepwater mean wave height: 2.38 feet

---

END RUNUP2 CONVERSIONS

---

RUNUP2 RESULTS

for transect: CM-149-1

RUNUP2 SWEL:

8.90

8.90

8.90

8.90

8.90  
8.90  
8.90  
8.90  
8.90

RUNUP2 deepwater mean wave heights:

2.26  
2.26  
2.26  
2.38  
2.38  
2.38  
2.50  
2.50  
2.50

RUNUP2 mean wave periods:

8.68  
9.14  
9.59  
8.68  
9.14  
9.59  
8.68  
9.14  
9.59

RUNUP2 runup above SWEL:

5.84  
5.89  
5.97  
6.30  
6.36  
6.42  
6.76  
6.82  
6.88

RUNUP2 Mean runup height above SWEL: 6.36 feet

RUNUP2 2-percent runup height above SWEL: 13.99 feet

RUNUP2 2-percent runup elevation: 22.89 feet-NAVD88

RUNUP2 Messages:

No Messages

---

END RUNUP2 RESULTS

---

ACES BEACH RUNUP

Incident significant wave height: 4.27 feet

Significant wave height deshoaled using Hunt equation

Deepwater significant wave height: 3.34 feet

Peak wave period: 10.75 seconds

Average beach Slope: 1:7.14 (H:V)

ACES RUNUP CALCULATED USING 'Aces\_Beach\_Runup.m'

ACES Beach 2-percent runup height above SWEL: 9.66 feet

ACES Beach 2-percent runup elevation: 18.56 feet-NAVD88

ACES BEACH RUNUP is valid

\_\_\_\_\_END ACES BEACH RESULTS\_\_\_\_\_

PART 5 COMPLETE\_\_\_\_\_

FEMA  
RUNUP2 transect: CM-149-1

sjh

job 2  
1

2.00  
-50.26 -394.8 0.8  
-48.59 -382.8 0.8  
-44.22 -352.8 0.8  
-41.01 -330.8 0.8  
-37.37 -305.8 0.8  
-37.29 -304.8 0.8  
-33.38 -248.8 0.8  
-33.31 -247.8 0.8  
-24.38 -134.8 0.8  
-24.22 -133.8 0.8  
-18.75 -117.8 0.8  
-18.52 -116.8 0.8  
-15.40 -92.8 0.8  
-15.18 -91.8 0.8  
-7.19 -54.8 0.8  
-7.00 -53.8 0.8  
0.02 0.2 0.8  
0.16 1.2 0.8  
2.90 19.2 0.8  
1 8.95 28.2 0.8  
8.9 2.26 8.68  
8.9 2.26 9.14  
8.9 2.26 9.59  
8.9 2.38 8.68  
8.9 2.38 9.14  
8.9 2.38 9.59  
8.9 2.50 8.68  
8.9 2.50 9.14  
8.9 2.50 9.59



CLIENT- FEMA  
PROJECT-RUNUP2 transect: CM-149-1

\*\* WAVE RUNUP-VERSION 2.0 \*\*

ENGINEERED BY sjh

JOB job 2  
RUN 1 PAGE 1

\*\*\*\*\*

CROSS SECTION PROFILE

	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-394.0	-50.2		
2	-382.0	-48.5	.00	.80
3	-352.0	-44.2	6.98	.80
4	-330.0	-41.0	6.88	.80
5	-305.0	-37.3	6.76	.80
6	-304.0	-37.2	10.00	.80
7	-248.0	-33.3	14.36	.80
8	-247.0	-33.3	FLAT	.80
9	-134.0	-24.3	12.56	.80
10	-133.0	-24.2	10.00	.80
11	-117.0	-18.7	2.91	.80
12	-116.0	-18.5	5.00	.80
13	-92.8	-15.4	7.48	.80
14	-91.8	-15.1	3.33	.80
15	-54.8	-7.2	4.68	.80
16	-53.8	-7.0	5.26	.80
17	.2	.0	7.69	.80
18	1.2	.2	7.14	.80
19	19.2	2.9	6.57	.80
20	28.2	9.0	1.49	.80
	LAST SLOPE	2.00	LAST ROUGHNESS	.80

CLIENT- FEMA  
PROJECT-RUNUP2 transect: CM-149-1

\*\* WAVE RUNUP-VERSION 2.0 \*\*

ENGINEERED BY sjh

JOB job 2  
RUN 1 PAGE 2

\*\*\*\*\*

OUTPUT TABLE

-----

INPUT PARAMETERS

-----

RUNUP RESULTS

-----

WATER LEVEL ABOVE DATUM (FT.)	DEEP WATER WAVE HEIGHT (FT.)	WAVE PERIOD (SEC.)	BREAKING SLOPE NUMBER	RUNUP SLOPE NUMBER	RUNUP ABOVE WATER LEVEL (FT.)	BREAKER DEPTH (FT.)
8.90	2.26	8.68	11	20	5.84	3.60
8.90	2.26	9.14	11	20	5.89	3.69
8.90	2.26	9.59	11	20	5.97	3.77
8.90	2.38	8.68	11	20	6.30	3.75
8.90	2.38	9.14	11	20	6.36	3.84
8.90	2.38	9.59	11	20	6.42	3.92
8.90	2.50	8.68	11	20	6.76	3.90
8.90	2.50	9.14	11	20	6.82	3.99
8.90	2.50	9.59	11	20	6.88	4.07

# Runup2 2% runup elevation for Transect: CM-149-1

