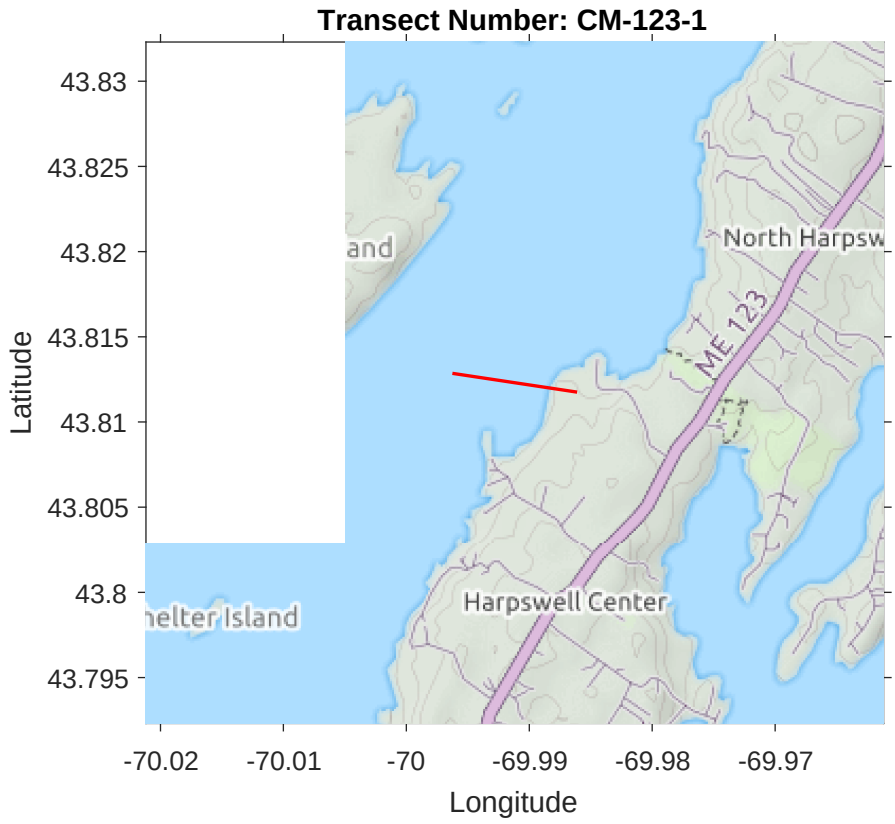
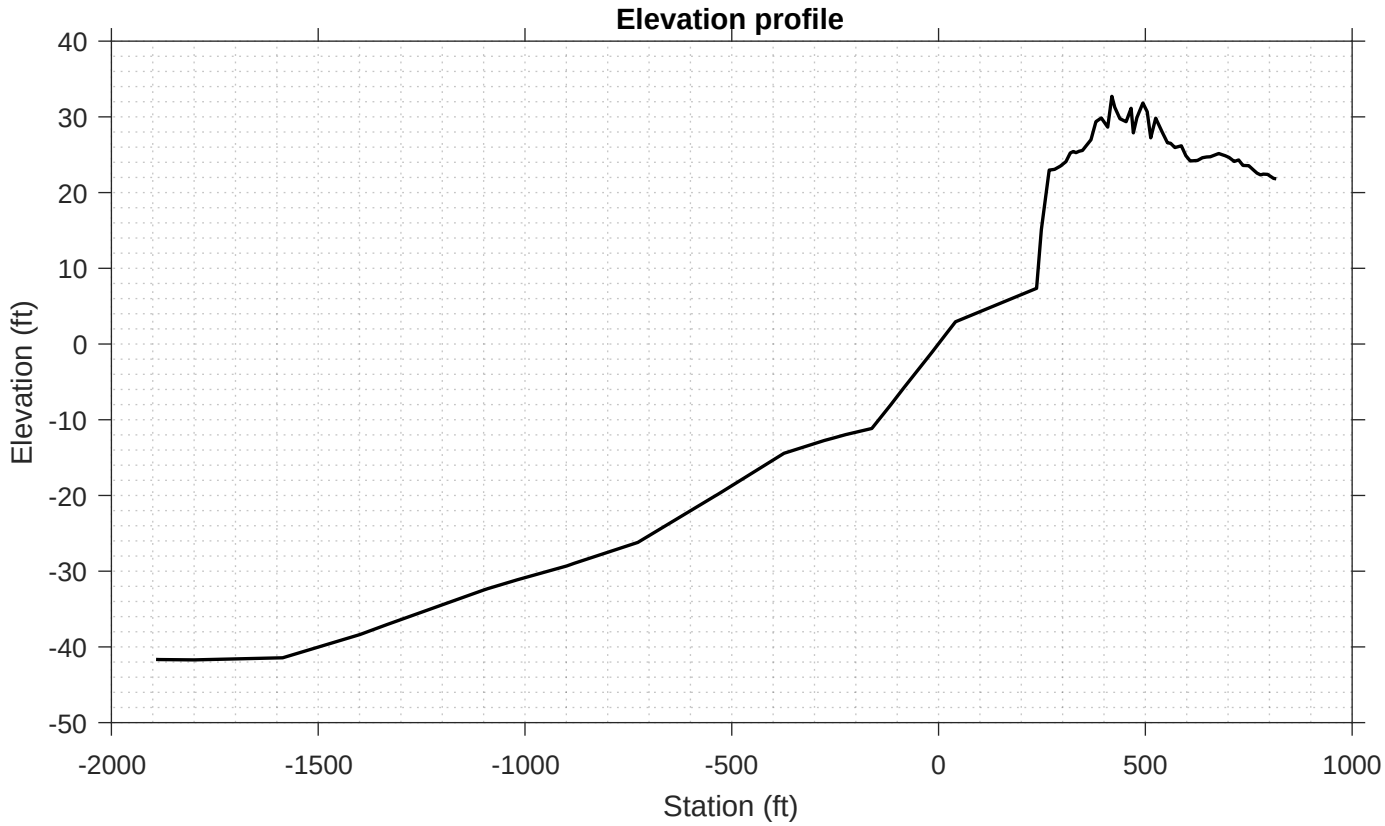

Transect Number: CM-123-1
43.83
43.825
43.82
43.815
43.81
43.805
43.8
43.795
Latitude
-70.02
-70.01
-70
-69.99
-69.98
-69.97
Longitude
North Harpsw
ME 123
Harpswell Center


Elevation profile
40
30
20
10
0
-10
-20
-30
-40
-50
Elevation (ft)
-2000
-1500
-1000
-500
0
500
1000
Station (ft)

DATA LOG FOR TRANSECT ID: CM-123-1

PART 1: USER INPUT

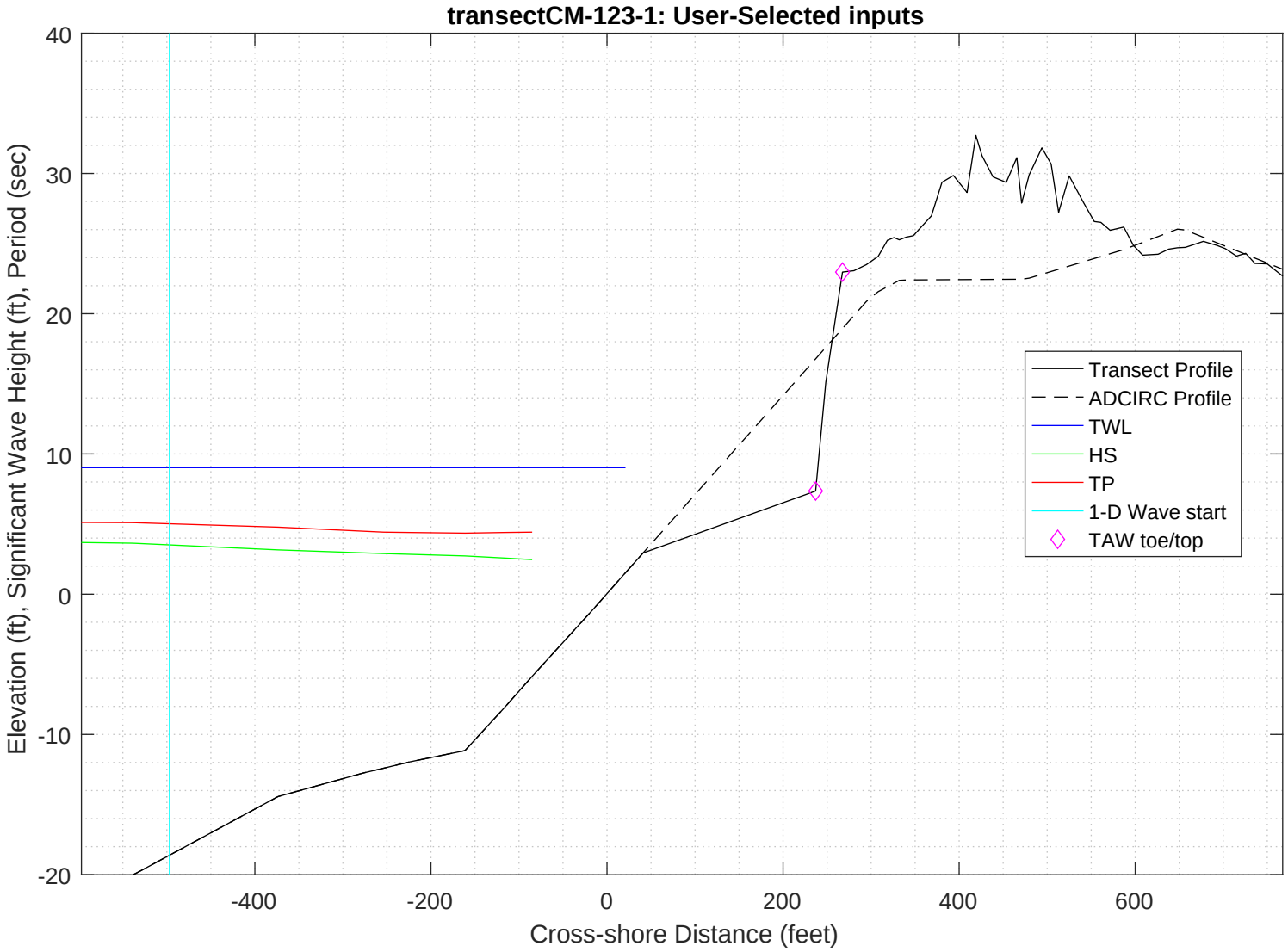
SWAN 1-D / WHAFIS input

station: -497 ft
LON: -69.991 deg E
LAT: 43.8123 deg N
Bottom ELEV: -18.6106 ft-NAVD88
TWL: 9.023 ft-NAVD88
HS: 3.5169 ft
TP: 5.0206 sec
Wave Direction bin: 0 deg CCW from East (90 deg sector)
Transect Direction: 353.8205 deg CCW from East

TAW/RUNUP input

toe sta: 237 ft
toe elev: 7.3556 ft-NAVD88
top sta: 267.5 ft
top elev: 22.9692 ft-NAVD88
Wave and water level conditions at toe to be calculated in SWAN 1-D

PART 1 COMPLETE


transectCM-123-1: User-Selected inputs
Elevation (ft), Significant Wave Height (ft), Period (sec)
Cross-shore Distance (feet)
40
30
20
10
0
-10
-20
-400
-200
0
200
400
600
Transect Profile
ADCIRC Profile
TWL
HS
TP
1-D Wave start
TAW toe/top

_____
PART 2: SWAN 1-D

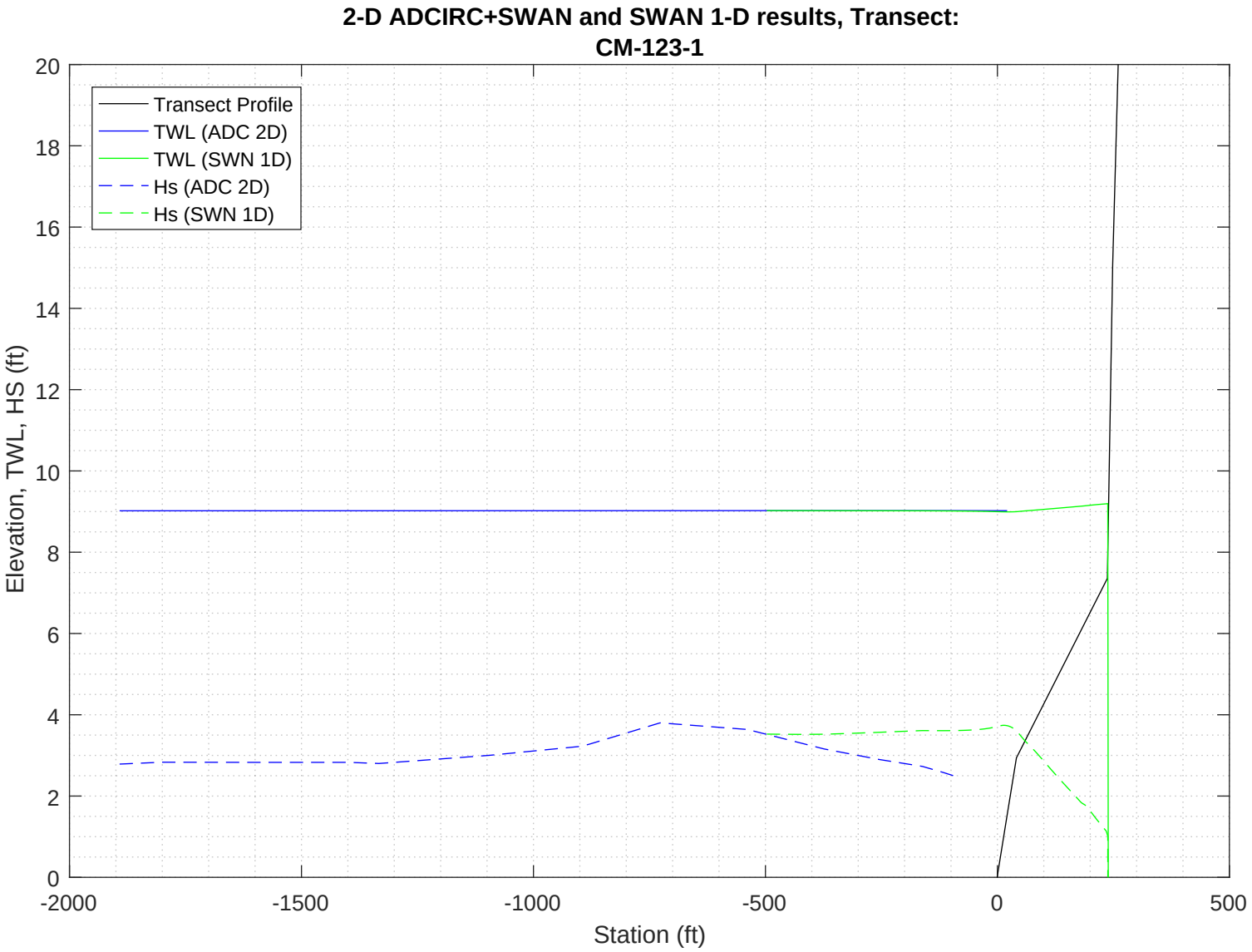
swan input grid name: 2_swan/gridfiles/CM-123-1zmeters_xmeters.grd
swan file name: 2_swan/swanfiles/CM-123-1.swn
swan output name: 2_swan/swanfiles/CM-123-1.dat

Boundary Conditions:
    TWL- 2.7502 meters
    HS- 1.072 meters
    PER- 5.0206 seconds

Batch File: 2_swan/swanfiles/runswan.dat

SWAN maximum additional wave setup: 0.17342 feet
SWAN output at toe:
    SETUP- 0.17342 feet
    HS-   1.0126 feet
    PER-   5.1017 seconds

PART 2 COMPLETE_____


2-D ADCIRC+SWAN and SWAN 1-D results, Transect:
CM-123-1
Transect Profile
TWL (ADC 2D)
TWL (SWN 1D)
Hs (ADC 2D)
Hs (SWN 1D)
Elevation, TWL, HS (ft)
Station (ft)
20
18
16
14
12
10
8
6
4
2
0
-2000
-1500
-1000
-500
0
500

1

```
                    Execution started at 20200220.141917


                    ---------------------------------------
                                    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      227       0.   227     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      227   0      1       1
 !READinp BOTtom [fac]  'fname1'  [idla]  [nhedf]  [FREe|FORmat[form]|UNFormatted]
  READ    BOTTOM   -1. '../gridfiles/CM-123-1zmeters_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   1.072     5.0206     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] [edm1pm] [cdrag] [umin] [cfpm]
!-- GEN2 [cf10] [cf20] [cf30] [cf40] [cf50] [cf60] [edm1pm] [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' [xp1] [yp1] <[int]   [xp]   [yp] >
 CURVE 'curve' 0     0      227  227    0
!TABLe 'sname' < HEADer|NOHEADer|INDexed > 'fname' <output parameters> (output time)
 Table 'curve'   HEADER 'CM-123-1.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             228 MYC              1
                     : MCGRD           229
                     : 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 EDMLPM  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   9.78 % 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   0.45 % 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  10.67 % 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  70.23 % 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  82.23 % 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  94.67 % of wet grid points ( 99.50 % required)

iteration    8; sweep 1
iteration    8; sweep 2
iteration    8; sweep 3
iteration    8; sweep 4
accuracy OK in  96.00 % of wet grid points ( 99.50 % required)

iteration    9; sweep 1
iteration    9; sweep 2
iteration    9; sweep 3
iteration    9; sweep 4
accuracy OK in 100.00 % of wet grid points ( 99.50 % required)


STOP
```

```
%
%
% Run:1     Table:curve             SWAN version:41.20A
%
%       Xp            Yp            Hsig          TPsmoo        RTpeak        Tm_10         Dir           Dspr          Depth         Setup
%      [m]           [m]            [m]           [sec]         [sec]         [sec]         [degr]        [degr]        [m]           [m]
%
           0.            0.       1.07428        5.0412        5.1860        4.5343        0.000        31.5142        8.4200       0.000000
           1.            0.       1.07415        5.0412        5.1860        4.5328        0.000        31.4611        8.3900      -0.000011
           2.            0.       1.07396        5.0413        5.1860        4.5314        0.000        31.4082        8.3500      -0.000024
           3.            0.       1.07386        5.0413        5.1860        4.5299        0.000        31.3604        8.3200      -0.000035
           4.            0.       1.07375        5.0413        5.1860        4.5284        0.001        31.3095        8.2900      -0.000046
           5.            0.       1.07357        5.0414        5.1860        4.5270        0.001        31.2578        8.2499      -0.000060
           6.            0.       1.07349        5.0414        5.1860        4.5255        0.001        31.2123        8.2199      -0.000071
           7.            0.       1.07341        5.0414        5.1860        4.5241        0.001        31.1663        8.1899      -0.000082
           8.            0.       1.07328        5.0415        5.1860        4.5226        0.001        31.1226        8.1499      -0.000096
           9.            0.       1.07319        5.0415        5.1860        4.5211        0.001        31.0792        8.1199      -0.000108
          10.            0.       1.07305        5.0416        5.1860        4.5197        0.001        31.0379        8.0799      -0.000122
          11.            0.       1.07301        5.0416        5.1860        4.5182        0.001        31.0004        8.0499      -0.000134
          12.            0.       1.07293        5.0416        5.1860        4.5167        0.001        30.9599        8.0199      -0.000145
          13.            0.       1.07279        5.0416        5.1860        4.5152        0.001        30.9184        7.9798      -0.000160
          14.            0.       1.07271        5.0417        5.1860        4.5137        0.001        30.8771        7.9498      -0.000171
          15.            0.       1.07257        5.0417        5.1860        4.5122        0.001        30.8358        7.9098      -0.000186
          16.            0.       1.07252        5.0418        5.1860        4.5107        0.001        30.7982        7.8798      -0.000198
          17.            0.       1.07246        5.0418        5.1860        4.5092        0.001        30.7578        7.8498      -0.000211
          18.            0.       1.07234        5.0419        5.1860        4.5077        0.001        30.7162        7.8098      -0.000226
          19.            0.       1.07228        5.0419        5.1860        4.5061        0.001        30.6742        7.7798      -0.000238
          20.            0.       1.07216        5.0420        5.1860        4.5046        0.001        30.6319        7.7397      -0.000254
          21.            0.       1.07212        5.0420        5.1860        4.5031        0.001        30.5934        7.7097      -0.000267
          22.            0.       1.07208        5.0421        5.1860        4.5015        0.001        30.5519        7.6797      -0.000280
          23.            0.       1.07201        5.0422        5.1860        4.4997        0.001        30.5083        7.6397      -0.000297
          24.            0.       1.07208        5.0422        5.1860        4.4974        0.001        30.4629        7.6097      -0.000310
          25.            0.       1.07211        5.0423        5.1860        4.4949        0.001        30.4169        7.5697      -0.000327
          26.            0.       1.07223        5.0424        5.1860        4.4925        0.002        30.3752        7.5397      -0.000341
          27.            0.       1.07238        5.0424        5.1860        4.4897        0.004        30.3303        7.5096      -0.000355
          28.            0.       1.07243        5.0425        5.1860        4.4873        0.006        30.2853        7.4696      -0.000373
          29.            0.       1.07252        5.0426        5.1860        4.4851        0.008        30.2449        7.4396      -0.000388
          30.            0.       1.07263        5.0426        5.1860        4.4827        0.010        30.2020        7.4096      -0.000402
          31.            0.       1.07268        5.0427        5.1860        4.4804        0.012        30.1584        7.3696      -0.000421
          32.            0.       1.07276        5.0428        5.1860        4.4781        0.014        30.1144        7.3396      -0.000435
          33.            0.       1.07278        5.0429        5.1860        4.4760        0.016        30.0701        7.2995      -0.000454
          34.            0.       1.07291        5.0430        5.1860        4.4737        0.019        30.0294        7.2695      -0.000470
          35.            0.       1.07301        5.0431        5.1860        4.4715        0.019        29.9854        7.2395      -0.000485
          36.            0.       1.07311        5.0432        5.1860        4.4690        0.020        29.9416        7.1995      -0.000505
          37.            0.       1.07328        5.0432        5.1860        4.4666        0.022        29.9016        7.1695      -0.000522
          38.            0.       1.07348        5.0433        5.1860        4.4642        0.024        29.8671        7.1395      -0.000538
          39.            0.       1.07383        5.0434        5.1860        4.4617        0.028        29.8432        7.1194      -0.000550
          40.            0.       1.07422        5.0434        5.1860        4.4593        0.029        29.8225        7.1094      -0.000559
          41.            0.       1.07452        5.0434        5.1860        4.4571        0.030        29.7985        7.0894      -0.000571
          42.            0.       1.07482        5.0435        5.1860        4.4549        0.031        29.7736        7.0694      -0.000583
          43.            0.       1.07514        5.0435        5.1860        4.4527        0.031        29.7529        7.0494      -0.000596
          44.            0.       1.07555        5.0435        5.1860        4.4503        0.032        29.7351        7.0394      -0.000604
          45.            0.       1.07590        5.0436        5.1860        4.4479        0.035        29.7140        7.0194      -0.000617
          46.            0.       1.07624        5.0436        5.1860        4.4455        0.039        29.6916        6.9994      -0.000630
          47.            0.       1.07660        5.0436        5.1860        4.4431        0.041        29.6728        6.9794      -0.000643
          48.            0.       1.07701        5.0437        5.1860        4.4407        0.042        29.6546        6.9693      -0.000651
          49.            0.       1.07734        5.0437        5.1860        4.4385        0.043        29.6321        6.9493      -0.000664
          50.            0.       1.07770        5.0437        5.1860        4.4361        0.043        29.6124        6.9293      -0.000678
          51.            0.       1.07812        5.0438        5.1860        4.4338        0.043        29.5939        6.9193      -0.000686
          52.            0.       1.07849        5.0438        5.1860        4.4313        0.044        29.5712        6.8993      -0.000700
          53.            0.       1.07886        5.0439        5.1860        4.4289        0.045        29.5477        6.8793      -0.000714
          54.            0.       1.07926        5.0439        5.1860        4.4264        0.046        29.5282        6.8593      -0.000727
          55.            0.       1.07972        5.0439        5.1860        4.4238        0.047        29.5103        6.8493      -0.000737
          56.            0.       1.08010        5.0440        5.1860        4.4213        0.048        29.4883        6.8292      -0.000751
          57.            0.       1.08050        5.0440        5.1860        4.4187        0.051        29.4664        6.8092      -0.000765
          58.            0.       1.08091        5.0441        5.1860        4.4162        0.053        29.4487        6.7892      -0.000779
          59.            0.       1.08137        5.0441        5.1860        4.4137        0.054        29.4320        6.7792      -0.000788
```

60.	0.	1.08175	5.0441	5.1860	4.4112	0.055	29.4112	6.7592	-0.000802
61.	0.	1.08213	5.0442	5.1860	4.4088	0.056	29.3896	6.7392	-0.000817
62.	0.	1.08253	5.0442	5.1860	4.4064	0.057	29.3722	6.7192	-0.000831
63.	0.	1.08298	5.0443	5.1860	4.4039	0.058	29.3564	6.7092	-0.000841
64.	0.	1.08336	5.0443	5.1860	4.4015	0.059	29.3369	6.6891	-0.000855
65.	0.	1.08379	5.0444	5.1860	4.3991	0.061	29.3210	6.6691	-0.000870
66.	0.	1.08425	5.0444	5.1860	4.3966	0.062	29.3061	6.6591	-0.000880
67.	0.	1.08465	5.0444	5.1860	4.3941	0.064	29.2871	6.6391	-0.000894
68.	0.	1.08507	5.0445	5.1860	4.3917	0.066	29.2713	6.6191	-0.000909
69.	0.	1.08553	5.0445	5.1860	4.3893	0.067	29.2567	6.6091	-0.000919
70.	0.	1.08595	5.0446	5.1860	4.3870	0.067	29.2425	6.5891	-0.000934
71.	0.	1.08641	5.0446	5.1860	4.3846	0.068	29.2286	6.5791	-0.000944
72.	0.	1.08684	5.0446	5.1860	4.3822	0.069	29.2147	6.5590	-0.000960
73.	0.	1.08731	5.0447	5.1860	4.3798	0.070	29.2011	6.5490	-0.000970
74.	0.	1.08775	5.0447	5.1860	4.3774	0.071	29.1885	6.5290	-0.000986
75.	0.	1.08824	5.0448	5.1860	4.3750	0.072	29.1761	6.5190	-0.000996
76.	0.	1.08870	5.0448	5.1860	4.3726	0.073	29.1636	6.4990	-0.001012
77.	0.	1.08921	5.0449	5.1860	4.3701	0.075	29.1516	6.4890	-0.001023
78.	0.	1.08967	5.0449	5.1860	4.3677	0.077	29.1395	6.4690	-0.001039
79.	0.	1.09016	5.0450	5.1860	4.3653	0.078	29.1275	6.4590	-0.001049
80.	0.	1.09060	5.0450	5.1860	4.3631	0.079	29.1157	6.4389	-0.001065
81.	0.	1.09107	5.0450	5.1860	4.3607	0.081	29.1041	6.4289	-0.001076
82.	0.	1.09151	5.0451	5.1860	4.3585	0.082	29.0926	6.4089	-0.001092
83.	0.	1.09198	5.0451	5.1860	4.3561	0.083	29.0814	6.3989	-0.001103
84.	0.	1.09241	5.0452	5.1860	4.3539	0.084	29.0701	6.3789	-0.001119
85.	0.	1.09290	5.0452	5.1860	4.3517	0.085	29.0634	6.3689	-0.001130
86.	0.	1.09341	5.0452	5.1860	4.3494	0.086	29.0581	6.3589	-0.001141
87.	0.	1.09388	5.0452	5.1860	4.3472	0.087	29.0491	6.3488	-0.001152
88.	0.	1.09431	5.0453	5.1860	4.3451	0.088	29.0388	6.3288	-0.001168
89.	0.	1.09479	5.0453	5.1860	4.3429	0.088	29.0327	6.3188	-0.001179
90.	0.	1.09525	5.0453	5.1860	4.3408	0.089	29.0235	6.3088	-0.001190
91.	0.	1.09567	5.0454	5.1860	4.3387	0.089	29.0133	6.2888	-0.001207
92.	0.	1.09615	5.0454	5.1860	4.3366	0.090	29.0073	6.2788	-0.001218
93.	0.	1.09663	5.0454	5.1860	4.3345	0.090	29.0028	6.2688	-0.001229
94.	0.	1.09710	5.0454	5.1860	4.3324	0.091	28.9944	6.2588	-0.001240
95.	0.	1.09753	5.0455	5.1860	4.3303	0.092	28.9846	6.2387	-0.001257
96.	0.	1.09801	5.0455	5.1860	4.3283	0.093	28.9790	6.2287	-0.001268
97.	0.	1.09846	5.0455	5.1860	4.3262	0.093	28.9702	6.2187	-0.001279
98.	0.	1.09888	5.0456	5.1860	4.3243	0.093	28.9606	6.1987	-0.001297
99.	0.	1.09936	5.0456	5.1860	4.3223	0.093	28.9555	6.1887	-0.001308
100.	0.	1.09983	5.0456	5.1860	4.3203	0.094	28.9518	6.1787	-0.001319
101.	0.	1.10029	5.0456	5.1860	4.3183	0.093	28.9444	6.1687	-0.001331
102.	0.	1.10060	5.0456	5.1860	4.3164	0.093	28.9186	6.1487	-0.001348
103.	0.	1.10066	5.0458	5.1860	4.3145	0.093	28.8644	6.0986	-0.001385
104.	0.	1.10058	5.0461	5.1860	4.3128	0.094	28.7914	6.0286	-0.001436
105.	0.	1.10049	5.0464	5.1860	4.3112	0.094	28.7162	5.9585	-0.001488
106.	0.	1.10043	5.0466	5.1860	4.3095	0.094	28.6395	5.8985	-0.001534
107.	0.	1.10034	5.0469	5.1860	4.3079	0.094	28.5567	5.8284	-0.001590
108.	0.	1.10026	5.0472	5.1860	4.3064	0.095	28.4708	5.7584	-0.001647
109.	0.	1.10019	5.0475	5.1860	4.3049	0.096	28.3830	5.6883	-0.001705
110.	0.	1.10016	5.0478	5.1860	4.3035	0.096	28.2999	5.6182	-0.001766
111.	0.	1.10015	5.0481	5.1860	4.3021	0.097	28.2177	5.5582	-0.001820
112.	0.	1.10012	5.0484	5.1860	4.3009	0.097	28.1298	5.4881	-0.001884
113.	0.	1.10009	5.0487	5.1860	4.2998	0.098	28.0390	5.4181	-0.001950
114.	0.	1.10008	5.0490	5.1860	4.2988	0.098	27.9461	5.3480	-0.002018
115.	0.	1.10007	5.0493	5.1860	4.2980	0.098	27.8515	5.2779	-0.002088
116.	0.	1.10008	5.0497	5.1860	4.2972	0.098	27.7554	5.2078	-0.002160
117.	0.	1.10011	5.0500	5.1860	4.2965	0.098	27.6576	5.1378	-0.002236
118.	0.	1.10016	5.0503	5.1860	4.2959	0.098	27.5581	5.0677	-0.002313
119.	0.	1.10024	5.0507	5.1860	4.2954	0.099	27.4575	4.9976	-0.002394
120.	0.	1.10034	5.0510	5.1860	4.2950	0.099	27.3559	4.9275	-0.002477
121.	0.	1.10046	5.0514	5.1860	4.2947	0.100	27.2535	4.8574	-0.002563
122.	0.	1.10060	5.0517	5.1860	4.2945	0.100	27.1508	4.7873	-0.002652
123.	0.	1.10075	5.0521	5.1860	4.2944	0.100	27.0457	4.7173	-0.002744
124.	0.	1.10093	5.0524	5.1860	4.2945	0.100	26.9386	4.6472	-0.002840
125.	0.	1.10111	5.0528	5.1860	4.2947	0.099	26.8264	4.5771	-0.002939
126.	0.	1.10139	5.0532	5.1860	4.2953	0.099	26.7184	4.4969	-0.003055

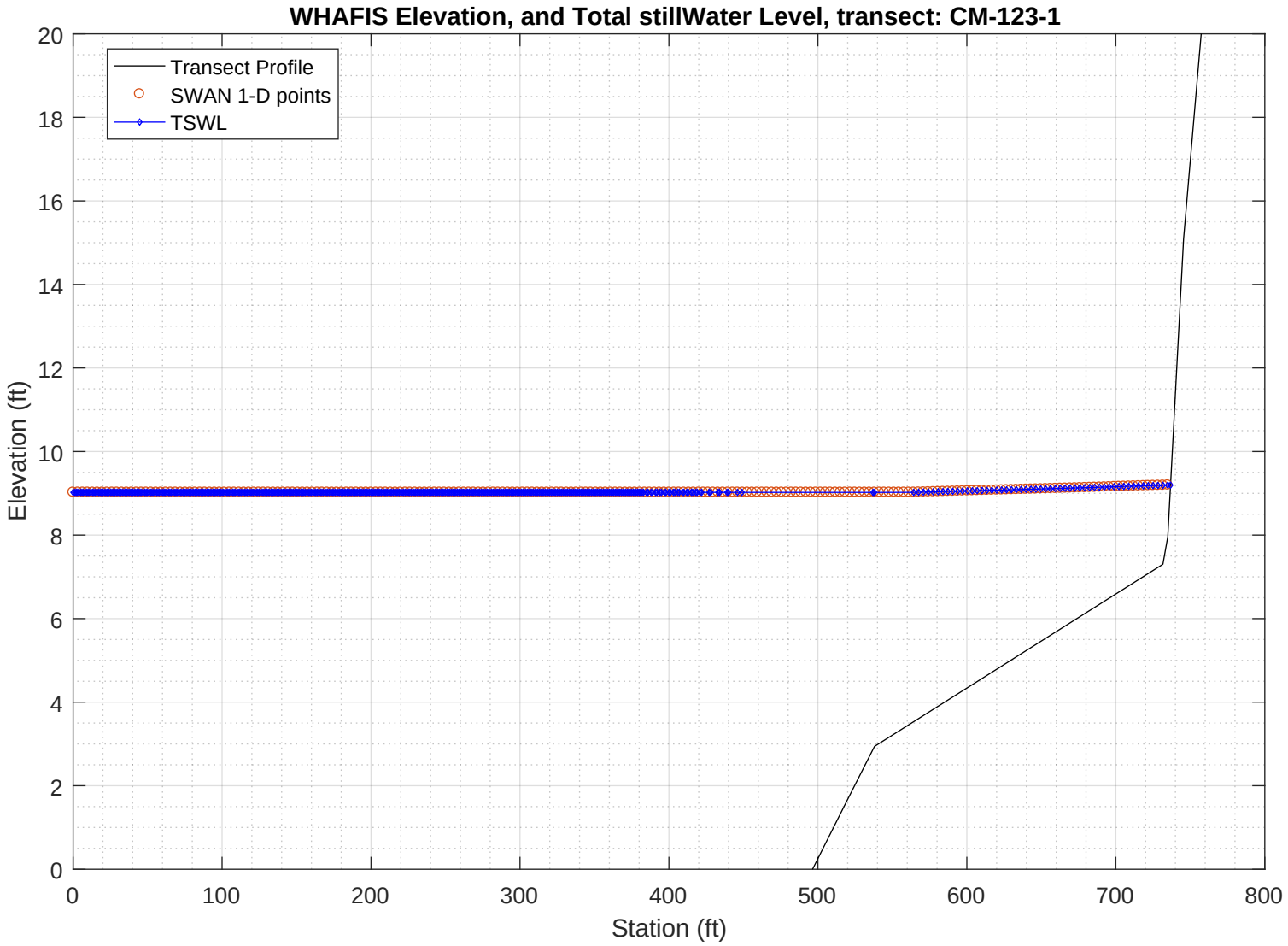
127.	0.	1.10162	5.0535	5.1860	4.2955	0.099	26.6161	4.4369	-0.003148
128.	0.	1.10193	5.0539	5.1860	4.2960	0.099	26.5073	4.3667	-0.003259
129.	0.	1.10227	5.0542	5.1860	4.2967	0.098	26.3949	4.2966	-0.003374
130.	0.	1.10266	5.0546	5.1860	4.2973	0.097	26.2804	4.2265	-0.003494
131.	0.	1.10310	5.0550	5.1860	4.2981	0.096	26.1678	4.1564	-0.003619
132.	0.	1.10358	5.0553	5.1860	4.2989	0.095	26.0530	4.0863	-0.003749
133.	0.	1.10412	5.0557	5.1860	4.2998	0.095	25.9353	4.0161	-0.003884
134.	0.	1.10471	5.0561	5.1860	4.3007	0.094	25.8145	3.9460	-0.004026
135.	0.	1.10540	5.0564	5.1860	4.3017	0.093	25.6967	3.8758	-0.004174
136.	0.	1.10602	5.0568	5.1860	4.3024	0.092	25.5789	3.8157	-0.004308
137.	0.	1.10680	5.0571	5.1860	4.3034	0.091	25.4514	3.7455	-0.004469
138.	0.	1.10764	5.0575	5.1860	4.3045	0.090	25.3205	3.6754	-0.004638
139.	0.	1.10856	5.0579	5.1860	4.3055	0.090	25.1853	3.6052	-0.004815
140.	0.	1.10958	5.0583	5.1860	4.3063	0.089	25.0459	3.5350	-0.005000
141.	0.	1.11072	5.0587	5.1860	4.3069	0.089	24.9023	3.4648	-0.005195
142.	0.	1.11197	5.0591	5.1860	4.3071	0.089	24.7548	3.3946	-0.005400
143.	0.	1.11336	5.0594	5.1860	4.3068	0.089	24.6027	3.3244	-0.005615
144.	0.	1.11490	5.0598	5.1860	4.3060	0.089	24.4459	3.2542	-0.005841
145.	0.	1.11663	5.0602	5.1860	4.3044	0.089	24.2916	3.1839	-0.006078
146.	0.	1.11829	5.0606	5.1860	4.3014	0.089	24.1382	3.1237	-0.006292
147.	0.	1.12034	5.0610	5.1860	4.2978	0.090	23.9714	3.0534	-0.006550
148.	0.	1.12252	5.0614	5.1860	4.2928	0.090	23.7867	2.9832	-0.006821
149.	0.	1.12517	5.0620	5.1860	4.2866	0.089	23.5878	2.9029	-0.007144
150.	0.	1.12774	5.0625	5.1860	4.2777	0.088	23.3953	2.8326	-0.007435
151.	0.	1.13044	5.0630	5.1860	4.2666	0.087	23.1938	2.7623	-0.007734
152.	0.	1.13320	5.0636	5.1860	4.2531	0.086	22.9818	2.6920	-0.008037
153.	0.	1.13592	5.0643	5.1860	4.2370	0.084	22.7576	2.6217	-0.008340
154.	0.	1.13833	5.0651	5.1860	4.2188	0.081	22.5287	2.5514	-0.008628
155.	0.	1.14000	5.0660	5.1860	4.1993	0.073	22.2909	2.4811	-0.008886
156.	0.	1.14014	5.0670	5.1860	4.1801	0.053	22.0541	2.4109	-0.009073
157.	0.	1.13921	5.0682	5.1860	4.1592	0.034	21.7980	2.3408	-0.009202
158.	0.	1.13723	5.0696	5.1860	4.1376	0.006	21.5222	2.2607	-0.009318
159.	0.	1.13392	5.0711	5.1860	4.1120	359.981	21.2410	2.1907	-0.009296
160.	0.	1.12964	5.0728	5.1860	4.0835	359.963	20.9465	2.1208	-0.009203
161.	0.	1.12411	5.0746	5.1860	4.0529	359.953	20.6378	2.0510	-0.009022
162.	0.	1.11702	5.0765	5.1860	4.0212	359.953	20.3140	1.9813	-0.008734
163.	0.	1.10872	5.0774	5.1860	3.9904	359.983	19.9732	1.9116	-0.008374
164.	0.	1.09918	5.0774	5.1860	3.9617	0.034	19.6710	1.8421	-0.007923
165.	0.	1.08598	5.0784	5.1860	3.9303	0.081	19.4757	1.8232	-0.006849
166.	0.	1.07223	5.0793	5.1860	3.9032	0.130	19.3283	1.8042	-0.005755
167.	0.	1.05828	5.0802	5.1860	3.8797	0.187	19.1996	1.7853	-0.004668
168.	0.	1.04487	5.0809	5.1860	3.8598	0.264	19.0792	1.7563	-0.003705
169.	0.	1.03160	5.0815	5.1860	3.8380	0.368	18.9795	1.7373	-0.002674
170.	0.	1.01877	5.0819	5.1860	3.8172	0.488	18.8892	1.7183	-0.001684
171.	0.	1.00702	5.0823	5.1860	3.7924	0.636	18.7946	1.6993	-0.000726
172.	0.	0.99677	5.0825	5.1860	3.7667	0.816	18.6848	1.6701	0.000073
173.	0.	0.98505	5.0828	5.1860	3.7440	1.007	18.5942	1.6510	0.001014
174.	0.	0.97277	5.0831	5.1860	3.7251	1.201	18.5114	1.6320	0.001960
175.	0.	0.96031	5.0834	5.1860	3.7080	1.385	18.4201	1.6129	0.002904
176.	0.	0.94858	5.0836	5.1860	3.6914	1.539	18.3194	1.5837	0.003744
177.	0.	0.93601	5.0839	5.1860	3.6733	1.674	18.2375	1.5647	0.004724
178.	0.	0.92337	5.0842	5.1860	3.6563	1.803	18.1621	1.5457	0.005701
179.	0.	0.91047	5.0845	5.1860	3.6415	1.926	18.0806	1.5267	0.006673
180.	0.	0.89785	5.0848	5.1860	3.6299	2.047	17.9846	1.4975	0.007542
181.	0.	0.88446	5.0851	5.1860	3.6170	2.162	17.9056	1.4785	0.008542
182.	0.	0.87112	5.0853	5.1860	3.6047	2.274	17.8327	1.4595	0.009534
183.	0.	0.85789	5.0856	5.1860	3.5926	2.384	17.7541	1.4405	0.010511
184.	0.	0.84510	5.0859	5.1860	3.5829	2.492	17.6654	1.4114	0.011389
185.	0.	0.83172	5.0860	5.1860	3.5709	2.595	17.6015	1.3924	0.012392
186.	0.	0.81851	5.0862	5.1860	3.5588	2.696	17.5504	1.3734	0.013383
187.	0.	0.80546	5.0863	5.1860	3.5468	2.791	17.4973	1.3544	0.014360
188.	0.	0.79283	5.0865	5.1860	3.5365	2.882	17.4357	1.3252	0.015244
189.	0.	0.77972	5.0866	5.1860	3.5238	2.972	17.4043	1.3062	0.016243
190.	0.	0.76678	5.0868	5.1860	3.5108	3.060	17.3857	1.2872	0.017232
191.	0.	0.75402	5.0869	5.1860	3.4975	3.144	17.3671	1.2682	0.018206
192.	0.	0.74166	5.0870	5.1860	3.4859	3.234	17.3424	1.2391	0.019093
193.	0.	0.72882	5.0871	5.1860	3.4713	3.324	17.3534	1.2201	0.020096

194.	0.	0.71614	5.0872	5.1860	3.4562	3.417	17.3791	1.2011	0.021090
195.	0.	0.70368	5.0873	5.1860	3.4406	3.505	17.4112	1.1821	0.022068
196.	0.	0.69157	5.0875	5.1860	3.4265	3.591	17.4356	1.1530	0.022962
197.	0.	0.67895	5.0876	5.1860	3.4091	3.677	17.5005	1.1340	0.023975
198.	0.	0.66651	5.0878	5.1860	3.3911	3.763	17.5833	1.1150	0.024976
199.	0.	0.65427	5.0879	5.1860	3.3725	3.842	17.6711	1.0960	0.025960
200.	0.	0.64226	5.0881	5.1860	3.3559	3.921	17.7443	1.0669	0.026866
201.	0.	0.62972	5.0884	5.1860	3.3357	4.000	17.8601	1.0479	0.027890
202.	0.	0.61732	5.0886	5.1860	3.3151	4.080	17.9877	1.0289	0.028902
203.	0.	0.60504	5.0888	5.1860	3.2942	4.152	18.1097	1.0099	0.029898
204.	0.	0.59267	5.0892	5.1860	3.2765	4.238	18.1819	0.9808	0.030835
205.	0.	0.57978	5.0895	5.1860	3.2553	4.305	18.3076	0.9619	0.031887
206.	0.	0.56691	5.0899	5.1860	3.2346	4.349	18.4151	0.9429	0.032925
207.	0.	0.55687	5.0903	5.1860	3.1912	4.416	18.4153	0.9139	0.033883
208.	0.	0.54990	5.0908	5.1860	3.1064	4.482	18.4783	0.8950	0.034973
209.	0.	0.54289	5.0913	5.1860	3.0144	4.546	18.6718	0.8761	0.036112
210.	0.	0.53324	5.0919	5.1860	2.9376	4.651	18.8742	0.8573	0.037301
211.	0.	0.52010	5.0926	5.1860	2.8863	4.774	18.9415	0.8285	0.038487
212.	0.	0.50507	5.0932	5.1860	2.8406	4.854	19.0213	0.8098	0.039794
213.	0.	0.48981	5.0939	5.1860	2.8006	4.902	19.1073	0.7910	0.041046
214.	0.	0.47476	5.0945	5.1860	2.7645	4.926	19.1960	0.7722	0.042230
215.	0.	0.45960	5.0952	5.1860	2.7355	4.924	19.2492	0.7433	0.043327
216.	0.	0.44468	5.0958	5.1860	2.7019	4.937	19.3788	0.7245	0.044462
217.	0.	0.43018	5.0964	5.1860	2.6703	4.942	19.5217	0.7055	0.045537
218.	0.	0.41619	5.0970	5.1860	2.6407	4.937	19.6683	0.6865	0.046544
219.	0.	0.40185	5.0976	5.1860	2.6194	4.914	19.7514	0.6575	0.047489
220.	0.	0.38769	5.0982	5.1860	2.5932	4.922	19.9044	0.6385	0.048478
221.	0.	0.37385	5.0988	5.1860	2.5696	4.932	20.0511	0.6194	0.049418
222.	0.	0.36038	5.0994	5.1860	2.5484	4.937	20.1719	0.6003	0.050308
223.	0.	0.34654	5.1000	5.1860	2.5364	4.767	19.8490	0.5711	0.051100
224.	0.	0.30863	5.1017	5.1860	2.6287	4.588	18.9604	0.3729	0.052859
225.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
226.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
227.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000

PART 3: WHAFIS

WHAFIS input: CM-123-1.dat
WHAFIS output: CM-123-1.out

PART 3 COMPLETE


WHAFIS Elevation, and Total stillWater Level, transect: CM-123-1
Transect Profile
SWAN 1-D points
TSWL
Elevation (ft)
Station (ft)
0
2
4
6
8
10
12
14
16
18
20
0
100
200
300
400
500
600
700
800

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)
Executed on: Thu Feb 20 14:57:35 2020
Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-123-1.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-123-1.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	-18.610	1.000	1.000	9.023	5.627	5.021	56.140	0.034	0.000
OF	1.000	-18.576	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	2.000	-18.542	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	3.000	-18.508	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	4.000	-18.474	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	5.000	-18.441	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	6.000	-18.407	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	7.000	-18.373	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	8.000	-18.339	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	9.000	-18.305	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	10.000	-18.271	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	11.000	-18.237	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	12.000	-18.203	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	13.000	-18.169	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	14.000	-18.135	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	15.000	-18.101	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	16.000	-18.068	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	17.000	-18.034	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	18.000	-18.000	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	19.000	-17.966	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	20.000	-17.932	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	21.000	-17.898	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	22.000	-17.864	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	23.000	-17.830	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	24.000	-17.796	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	25.000	-17.762	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	26.000	-17.728	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	27.000	-17.694	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	28.000	-17.661	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	29.000	-17.627	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	30.000	-17.593	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	31.000	-17.559	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	32.000	-17.525	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	33.000	-17.491	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	34.000	-17.457	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	35.000	-17.423	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	36.000	-17.389	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	37.000	-17.355	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	38.000	-17.321	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	39.000	-17.287	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	40.000	-17.254	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	41.000	-17.220	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	42.000	-17.186	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	43.000	-17.152	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	44.000	-17.118	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	45.000	-17.084	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	46.000	-17.050	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	47.000	-17.016	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	48.000	-16.982	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	49.000	-16.948	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	50.000	-16.914	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	51.000	-16.881	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	52.000	-16.847	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	53.000	-16.813	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	54.000	-16.779	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	55.000	-16.745	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	56.000	-16.711	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	57.000	-16.677	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	58.000	-16.643	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	59.000	-16.609	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	60.000	-16.575	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	61.000	-16.541	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	62.000	-16.507	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	63.000	-16.474	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	64.000	-16.440	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	65.000	-16.406	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	66.000	-16.372	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	67.000	-16.338	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	68.000	-16.304	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	69.000	-16.270	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	70.000	-16.236	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	71.000	-16.202	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	72.000	-16.168	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	73.000	-16.134	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	74.000	-16.100	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	75.000	-16.067	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	76.000	-16.033	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	77.000	-15.999	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	78.000	-15.965	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	79.000	-15.931	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	80.000	-15.897	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	81.000	-15.863	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	82.000	-15.829	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	83.000	-15.795	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	84.000	-15.761	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	85.000	-15.727	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	86.000	-15.694	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	87.000	-15.660	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	88.000	-15.626	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	89.000	-15.592	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	90.000	-15.558	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	91.000	-15.524	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	92.000	-15.490	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000

OF	93.000	-15.456	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	94.000	-15.422	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	95.000	-15.388	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	96.000	-15.354	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	97.000	-15.320	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	98.000	-15.287	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	99.000	-15.253	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	100.000	-15.219	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	101.000	-15.185	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	102.000	-15.151	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	103.000	-15.117	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	104.000	-15.083	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	105.000	-15.049	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	106.000	-15.015	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	107.000	-14.981	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	108.000	-14.947	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	109.000	-14.913	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	110.000	-14.880	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	111.000	-14.846	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	112.000	-14.812	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	113.000	-14.778	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	114.000	-14.744	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	115.000	-14.710	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	116.000	-14.676	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	117.000	-14.642	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	118.000	-14.608	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	119.000	-14.574	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	120.000	-14.540	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	121.000	-14.506	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	122.000	-14.473	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
OF	123.000	-14.439	0.000	9.023	0.000	0.000	0.000	0.000	0.029	0.000
OF	124.000	-14.416	0.000	9.023	0.000	0.000	0.000	0.000	0.020	0.000
OF	125.000	-14.399	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	126.000	-14.381	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	127.000	-14.364	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	128.000	-14.347	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	129.000	-14.329	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	130.000	-14.312	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	131.000	-14.295	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	132.000	-14.277	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	133.000	-14.260	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	134.000	-14.243	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	135.000	-14.225	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	136.000	-14.208	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	137.000	-14.191	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	138.000	-14.173	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	139.000	-14.156	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	140.000	-14.139	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	141.000	-14.121	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	142.000	-14.104	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	143.000	-14.086	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	144.000	-14.069	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	145.000	-14.052	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	146.000	-14.035	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	147.000	-14.017	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	148.000	-14.000	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	149.000	-13.982	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	150.000	-13.965	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	151.000	-13.948	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	152.000	-13.930	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	153.000	-13.913	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	154.000	-13.896	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	155.000	-13.878	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	156.000	-13.861	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	157.000	-13.844	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	158.000	-13.826	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	159.000	-13.809	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	160.000	-13.792	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	161.000	-13.774	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	162.000	-13.757	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	163.000	-13.740	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	164.000	-13.722	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	165.000	-13.705	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	166.000	-13.688	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	167.000	-13.670	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	168.000	-13.653	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	169.000	-13.636	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	170.000	-13.618	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	171.000	-13.601	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	172.000	-13.584	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	173.000	-13.566	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	174.000	-13.549	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	175.000	-13.531	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	176.000	-13.514	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	177.000	-13.497	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	178.000	-13.479	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	179.000	-13.462	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	180.000	-13.445	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	181.000	-13.427	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	182.000	-13.410	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	183.000	-13.393	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	184.000	-13.375	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	185.000	-13.358	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	186.000	-13.341	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	187.000	-13.323	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	188.000	-13.306	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	189.000	-13.289	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	190.000	-13.271	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	191.000	-13.254	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	192.000	-13.237	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	193.000	-13.219	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	194.000	-13.202	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000

OF	195.000	-13.185	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	196.000	-13.167	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	197.000	-13.150	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	198.000	-13.132	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	199.000	-13.115	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	200.000	-13.098	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	201.000	-13.080	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	202.000	-13.063	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	203.000	-13.046	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	204.000	-13.028	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	205.000	-13.011	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	206.000	-12.994	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	207.000	-12.976	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	208.000	-12.959	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	209.000	-12.942	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	210.000	-12.924	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	211.000	-12.907	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	212.000	-12.890	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	213.000	-12.872	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	214.000	-12.855	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	215.000	-12.838	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	216.000	-12.820	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	217.000	-12.803	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
OF	218.000	-12.786	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	219.000	-12.768	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
OF	220.000	-12.751	0.000	9.023	0.000	0.000	0.000	0.000	0.016	0.000
OF	221.000	-12.735	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	222.000	-12.720	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	223.000	-12.706	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	224.000	-12.691	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	225.000	-12.676	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	226.000	-12.661	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	227.000	-12.647	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	228.000	-12.632	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	229.000	-12.617	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	230.000	-12.602	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	231.000	-12.588	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	232.000	-12.573	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	233.000	-12.558	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	234.000	-12.543	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	235.000	-12.529	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	236.000	-12.514	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	237.000	-12.499	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	238.000	-12.484	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	239.000	-12.470	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	240.000	-12.455	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	241.000	-12.440	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	242.000	-12.425	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	243.000	-12.411	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	244.000	-12.396	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	245.000	-12.380	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	246.000	-12.365	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	247.000	-12.350	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	248.000	-12.335	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	249.000	-12.319	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	250.000	-12.304	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	251.000	-12.289	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	252.000	-12.274	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	253.000	-12.258	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	254.000	-12.243	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	255.000	-12.228	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	256.000	-12.213	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	257.000	-12.197	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	258.000	-12.182	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	259.000	-12.167	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	260.000	-12.152	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	261.000	-12.136	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	262.000	-12.121	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	263.000	-12.106	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	264.000	-12.091	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	265.000	-12.075	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	266.000	-12.060	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	267.000	-12.045	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	268.000	-12.030	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	269.000	-12.015	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	270.000	-11.999	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	271.000	-11.984	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
OF	272.000	-11.969	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	273.000	-11.955	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
OF	274.000	-11.942	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	275.000	-11.929	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	276.000	-11.916	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	277.000	-11.903	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	278.000	-11.891	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	279.000	-11.878	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	280.000	-11.865	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	281.000	-11.852	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	282.000	-11.839	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	283.000	-11.827	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	284.000	-11.814	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	285.000	-11.801	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	286.000	-11.788	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	287.000	-11.775	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	288.000	-11.762	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	289.000	-11.750	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	290.000	-11.737	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	291.000	-11.724	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	292.000	-11.711	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	293.000	-11.698	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	294.000	-11.685	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	295.000	-11.673	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	296.000	-11.660	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000

OF	297.000	-11.647	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	298.000	-11.634	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	299.000	-11.621	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	300.000	-11.608	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	301.000	-11.596	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	302.000	-11.583	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	303.000	-11.570	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	304.000	-11.557	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	305.000	-11.544	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	306.000	-11.531	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	307.000	-11.519	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	308.000	-11.506	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	309.000	-11.493	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	310.000	-11.480	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	311.000	-11.467	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	312.000	-11.454	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	313.000	-11.442	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	314.000	-11.429	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	315.000	-11.416	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	316.000	-11.403	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	317.000	-11.390	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	318.000	-11.378	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	319.000	-11.365	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	320.000	-11.352	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	321.000	-11.339	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	322.000	-11.326	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	323.000	-11.313	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	324.000	-11.300	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	325.000	-11.288	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	326.000	-11.275	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	327.000	-11.262	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	328.000	-11.249	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	329.000	-11.236	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	330.000	-11.224	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	331.000	-11.211	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	332.000	-11.198	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	333.000	-11.185	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	334.000	-11.172	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
OF	335.000	-11.159	0.000	9.023	0.000	0.000	0.000	0.000	0.023	0.000
OF	336.000	-11.125	0.000	9.023	0.000	0.000	0.000	0.000	0.051	0.000
OF	337.000	-11.057	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	338.000	-10.989	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	339.000	-10.921	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	340.000	-10.852	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	341.000	-10.784	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	342.000	-10.716	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	343.000	-10.648	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	344.000	-10.579	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	345.000	-10.511	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	346.000	-10.443	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	347.000	-10.375	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	348.000	-10.307	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	349.000	-10.238	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	350.000	-10.170	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	351.000	-10.102	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	352.000	-10.033	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	353.000	-9.966	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	354.000	-9.898	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	355.000	-9.829	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	356.000	-9.761	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	357.000	-9.693	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	358.000	-9.625	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	359.000	-9.556	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	360.000	-9.488	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	361.000	-9.420	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	362.000	-9.352	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	363.000	-9.283	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	364.000	-9.215	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	365.000	-9.147	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	366.000	-9.079	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	367.000	-9.010	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	368.000	-8.942	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	369.000	-8.874	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	370.000	-8.806	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	371.000	-8.737	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	372.000	-8.669	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	373.000	-8.601	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	374.000	-8.533	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	375.000	-8.464	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	376.000	-8.396	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	377.000	-8.328	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	378.000	-8.260	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	379.000	-8.191	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
OF	380.000	-8.123	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	381.000	-8.054	0.000	9.023	0.000	0.000	0.000	0.000	0.070	0.000
OF	382.000	-7.983	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	383.000	-7.912	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	385.000	-7.770	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	386.000	-7.699	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	388.000	-7.557	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	389.000	-7.486	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	391.000	-7.344	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	392.000	-7.273	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	394.000	-7.131	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	395.000	-7.060	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	397.000	-6.918	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	398.000	-6.847	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	400.000	-6.705	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	401.000	-6.634	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	403.000	-6.492	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	404.000	-6.421	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	406.000	-6.279	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000

OF	407.000	-6.208	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	409.000	-6.066	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	410.000	-5.995	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	412.000	-5.853	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
OF	413.000	-5.784	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	415.000	-5.646	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	416.000	-5.576	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	418.000	-5.439	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	419.000	-5.370	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	421.000	-5.232	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	422.000	-5.163	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	427.000	-4.818	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	428.000	-4.749	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	433.000	-4.404	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	434.000	-4.335	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	439.000	-3.991	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	440.000	-3.922	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	446.000	-3.508	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
OF	449.000	-3.301	0.000	9.023	0.000	0.000	0.000	0.000	0.070	0.000
IF	537.000	2.870	0.000	9.022	0.000	0.000	0.000	0.000	0.070	0.000
IF	538.000	2.940	0.000	9.022	0.000	0.000	0.000	0.000	0.024	0.000
IF	564.300	3.533	0.000	9.023	0.000	0.000	0.000	0.000	0.023	0.000
IF	567.600	3.607	0.000	9.026	0.000	0.000	0.000	0.000	0.022	0.000
IF	570.900	3.681	0.000	9.029	0.000	0.000	0.000	0.000	0.023	0.000
IF	574.100	3.755	0.000	9.033	0.000	0.000	0.000	0.000	0.023	0.000
IF	577.400	3.829	0.000	9.035	0.000	0.000	0.000	0.000	0.022	0.000
IF	580.700	3.902	0.000	9.038	0.000	0.000	0.000	0.000	0.022	0.000
IF	584.000	3.976	0.000	9.042	0.000	0.000	0.000	0.000	0.022	0.000
IF	587.300	4.050	0.000	9.045	0.000	0.000	0.000	0.000	0.023	0.000
IF	590.500	4.124	0.000	9.048	0.000	0.000	0.000	0.000	0.023	0.000
IF	593.800	4.198	0.000	9.051	0.000	0.000	0.000	0.000	0.022	0.000
IF	597.100	4.272	0.000	9.054	0.000	0.000	0.000	0.000	0.022	0.000
IF	600.400	4.346	0.000	9.057	0.000	0.000	0.000	0.000	0.022	0.000
IF	603.700	4.420	0.000	9.060	0.000	0.000	0.000	0.000	0.022	0.000
IF	607.000	4.494	0.000	9.064	0.000	0.000	0.000	0.000	0.023	0.000
IF	610.200	4.568	0.000	9.067	0.000	0.000	0.000	0.000	0.023	0.000
IF	613.500	4.641	0.000	9.070	0.000	0.000	0.000	0.000	0.022	0.000
IF	616.800	4.715	0.000	9.073	0.000	0.000	0.000	0.000	0.022	0.000
IF	620.100	4.789	0.000	9.076	0.000	0.000	0.000	0.000	0.022	0.000
IF	623.400	4.863	0.000	9.080	0.000	0.000	0.000	0.000	0.023	0.000
IF	626.600	4.937	0.000	9.083	0.000	0.000	0.000	0.000	0.023	0.000
IF	629.900	5.011	0.000	9.086	0.000	0.000	0.000	0.000	0.022	0.000
IF	633.200	5.085	0.000	9.089	0.000	0.000	0.000	0.000	0.022	0.000
IF	636.500	5.159	0.000	9.092	0.000	0.000	0.000	0.000	0.022	0.000
IF	639.800	5.233	0.000	9.095	0.000	0.000	0.000	0.000	0.023	0.000
IF	643.000	5.307	0.000	9.098	0.000	0.000	0.000	0.000	0.023	0.000
IF	646.300	5.381	0.000	9.102	0.000	0.000	0.000	0.000	0.022	0.000
IF	649.600	5.455	0.000	9.105	0.000	0.000	0.000	0.000	0.022	0.000
IF	652.900	5.528	0.000	9.108	0.000	0.000	0.000	0.000	0.022	0.000
IF	656.200	5.602	0.000	9.111	0.000	0.000	0.000	0.000	0.023	0.000
IF	659.400	5.676	0.000	9.115	0.000	0.000	0.000	0.000	0.023	0.000
IF	662.700	5.750	0.000	9.118	0.000	0.000	0.000	0.000	0.022	0.000
IF	666.000	5.824	0.000	9.121	0.000	0.000	0.000	0.000	0.022	0.000
IF	669.300	5.898	0.000	9.124	0.000	0.000	0.000	0.000	0.022	0.000
IF	672.600	5.972	0.000	9.128	0.000	0.000	0.000	0.000	0.022	0.000
IF	675.900	6.046	0.000	9.131	0.000	0.000	0.000	0.000	0.023	0.000
IF	679.100	6.120	0.000	9.134	0.000	0.000	0.000	0.000	0.023	0.000
IF	682.400	6.194	0.000	9.138	0.000	0.000	0.000	0.000	0.022	0.000
IF	685.700	6.267	0.000	9.141	0.000	0.000	0.000	0.000	0.022	0.000
IF	689.000	6.341	0.000	9.145	0.000	0.000	0.000	0.000	0.022	0.000
IF	692.300	6.415	0.000	9.149	0.000	0.000	0.000	0.000	0.023	0.000
IF	695.500	6.489	0.000	9.153	0.000	0.000	0.000	0.000	0.023	0.000
IF	698.800	6.563	0.000	9.158	0.000	0.000	0.000	0.000	0.022	0.000
IF	702.100	6.637	0.000	9.161	0.000	0.000	0.000	0.000	0.022	0.000
IF	705.400	6.711	0.000	9.165	0.000	0.000	0.000	0.000	0.022	0.000
IF	708.700	6.785	0.000	9.169	0.000	0.000	0.000	0.000	0.023	0.000
IF	711.900	6.859	0.000	9.172	0.000	0.000	0.000	0.000	0.023	0.000
IF	715.200	6.933	0.000	9.176	0.000	0.000	0.000	0.000	0.022	0.000
IF	718.500	7.006	0.000	9.179	0.000	0.000	0.000	0.000	0.022	0.000
IF	721.800	7.080	0.000	9.182	0.000	0.000	0.000	0.000	0.022	0.000
IF	725.100	7.154	0.000	9.185	0.000	0.000	0.000	0.000	0.023	0.000
IF	728.300	7.228	0.000	9.188	0.000	0.000	0.000	0.000	0.023	0.000
IF	731.600	7.302	0.000	9.191	0.000	0.000	0.000	0.000	0.112	0.000
IF	734.900	7.966	0.000	9.196	0.000	0.000	0.000	0.000	0.371	0.000
IF	736.700	9.196	0.000	9.196	0.000	0.000	0.000	0.000	0.684	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

1

	END STATION	END ELEVATION	FETCH LENGTH	SURGE ELEV 10-YEAR	SURGE ELEV 100-YEAR	INITIAL WAVE HEIGHT	INITIAL W. PERIOD		BOTTOM SLOPE	AVERAGE A-ZONES
IE	0.000	-18.610	1.000	1.000	9.023	5.627	5.021	56.140	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1.000	-18.576	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2.000	-18.542	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	3.000	-18.508	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	4.000	-18.474	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	5.000	-18.441	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	6.000	-18.407	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	7.000	-18.373	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	8.000	-18.339	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	9.000	-18.305	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	10.000	-18.271	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	11.000	-18.237	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	12.000	-18.203	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	13.000	-18.169	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	14.000	-18.135	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	15.000	-18.101	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	16.000	-18.068	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	17.000	-18.034	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	18.000	-18.000	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	19.000	-17.966	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	20.000	-17.932	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	21.000	-17.898	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	22.000	-17.864	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	23.000	-17.830	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	24.000	-17.796	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	25.000	-17.762	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	26.000	-17.728	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	27.000	-17.694	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	28.000	-17.661	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	29.000	-17.627	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	30.000	-17.593	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	31.000	-17.559	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	32.000	-17.525	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	33.000	-17.491	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	34.000	-17.457	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	35.000	-17.423	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	36.000	-17.389	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	37.000	-17.355	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	38.000	-17.321	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	39.000	-17.287	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	40.000	-17.254	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	41.000	-17.220	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	42.000	-17.186	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	43.000	-17.152	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	44.000	-17.118	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	45.000	-17.084	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	46.000	-17.050	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	47.000	-17.016	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	48.000	-16.982	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	49.000	-16.948	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	50.000	-16.914	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	51.000	-16.881	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	52.000	-16.847	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	53.000	-16.813	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	54.000	-16.779	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	55.000	-16.745	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	56.000	-16.711	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	57.000	-16.677	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	58.000	-16.643	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	59.000	-16.609	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	60.000	-16.575	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	61.000	-16.541	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	62.000	-16.507	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	63.000	-16.474	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	64.000	-16.440	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	65.000	-16.406	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	66.000	-16.372	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	67.000	-16.338	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	68.000	-16.304	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	69.000	-16.270	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	70.000	-16.236	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	71.000	-16.202	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	72.000	-16.168	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	73.000	-16.134	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	74.000	-16.100	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	75.000	-16.067	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	76.000	-16.033	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	77.000	-15.999	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	78.000	-15.965	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	79.000	-15.931	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	80.000	-15.897	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	81.000	-15.863	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	82.000	-15.829	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	83.000	-15.795	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	84.000	-15.761	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	85.000	-15.727	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	86.000	-15.694	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	87.000	-15.660	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	88.000	-15.626	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	89.000	-15.592	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	90.000	-15.558	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	91.000	-15.524	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	92.000	-15.490	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	93.000	-15.456	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	94.000	-15.422	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	95.000	-15.388	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	96.000	-15.354	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	97.000	-15.320	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	98.000	-15.287	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	99.000	-15.253	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	100.000	-15.219	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	101.000	-15.185	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	102.000	-15.151	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	103.000	-15.117	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	104.000	-15.083	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	105.000	-15.049	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	106.000	-15.015	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	107.000	-14.981	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	108.000	-14.947	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	109.000	-14.913	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	110.000	-14.880	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	111.000	-14.846	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	112.000	-14.812	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	113.000	-14.778	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	114.000	-14.744	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	115.000	-14.710	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	116.000	-14.676	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	117.000	-14.642	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	118.000	-14.608	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	119.000	-14.574	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	120.000	-14.540	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	121.000	-14.506	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	122.000	-14.473	0.000	9.023	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	123.000	-14.439	0.000	9.023	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	124.000	-14.416	0.000	9.023	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	125.000	-14.399	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	126.000	-14.381	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	127.000	-14.364	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	128.000	-14.347	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	129.000	-14.329	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	130.000	-14.312	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	131.000	-14.295	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	132.000	-14.277	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	133.000	-14.260	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	134.000	-14.243	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	135.000	-14.225	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	136.000	-14.208	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	137.000	-14.191	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	138.000	-14.173	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	139.000	-14.156	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	140.000	-14.139	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	141.000	-14.121	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	142.000	-14.104	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	143.000	-14.086	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	144.000	-14.069	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	145.000	-14.052	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	146.000	-14.035	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	147.000	-14.017	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	148.000	-14.000	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	149.000	-13.982	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	150.000	-13.965	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	151.000	-13.948	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	152.000	-13.930	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	153.000	-13.913	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	154.000	-13.896	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	155.000	-13.878	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	156.000	-13.861	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	157.000	-13.844	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	158.000	-13.826	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	159.000	-13.809	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	160.000	-13.792	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	161.000	-13.774	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	162.000	-13.757	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	163.000	-13.740	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	164.000	-13.722	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	165.000	-13.705	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	166.000	-13.688	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	167.000	-13.670	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	168.000	-13.653	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	169.000	-13.636	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	170.000	-13.618	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	171.000	-13.601	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	172.000	-13.584	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	173.000	-13.566	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	174.000	-13.549	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	175.000	-13.531	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	176.000	-13.514	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	177.000	-13.497	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	178.000	-13.479	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	179.000	-13.462	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	180.000	-13.445	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	181.000	-13.427	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	182.000	-13.410	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	183.000	-13.393	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	184.000	-13.375	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	185.000	-13.358	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	186.000	-13.341	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	187.000	-13.323	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	188.000	-13.306	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	189.000	-13.289	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	190.000	-13.271	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	191.000	-13.254	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	192.000	-13.237	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	193.000	-13.219	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	194.000	-13.202	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	195.000	-13.185	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	196.000	-13.167	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	197.000	-13.150	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	198.000	-13.132	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	199.000	-13.115	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	200.000	-13.098	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	201.000	-13.080	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	202.000	-13.063	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	203.000	-13.046	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	204.000	-13.028	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	205.000	-13.011	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	206.000	-12.994	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	207.000	-12.976	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	208.000	-12.959	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	209.000	-12.942	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	210.000	-12.924	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	211.000	-12.907	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	212.000	-12.890	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	213.000	-12.872	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	214.000	-12.855	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	215.000	-12.838	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	216.000	-12.820	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	217.000	-12.803	0.000	9.023	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	218.000	-12.786	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	219.000	-12.768	0.000	9.023	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	220.000	-12.751	0.000	9.023	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	221.000	-12.735	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	222.000	-12.720	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	223.000	-12.706	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	224.000	-12.691	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	225.000	-12.676	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	226.000	-12.661	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	227.000	-12.647	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	228.000	-12.632	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	229.000	-12.617	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	230.000	-12.602	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	231.000	-12.588	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	232.000	-12.573	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	233.000	-12.558	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	234.000	-12.543	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	235.000	-12.529	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	236.000	-12.514	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	237.000	-12.499	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	238.000	-12.484	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	239.000	-12.470	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	240.000	-12.455	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	241.000	-12.440	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	242.000	-12.425	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	243.000	-12.411	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	244.000	-12.396	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	245.000	-12.380	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	246.000	-12.365	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	247.000	-12.350	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	248.000	-12.335	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	249.000	-12.319	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	250.000	-12.304	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	251.000	-12.289	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	252.000	-12.274	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	253.000	-12.258	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	254.000	-12.243	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	255.000	-12.228	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	256.000	-12.213	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	257.000	-12.197	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	258.000	-12.182	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	259.000	-12.167	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	260.000	-12.152	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	261.000	-12.136	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	262.000	-12.121	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	263.000	-12.106	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	264.000	-12.091	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	265.000	-12.075	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	266.000	-12.060	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	267.000	-12.045	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	268.000	-12.030	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	269.000	-12.015	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	270.000	-11.999	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	271.000	-11.984	0.000	9.023	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	272.000	-11.969	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	273.000	-11.955	0.000	9.023	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	274.000	-11.942	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	275.000	-11.929	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	276.000	-11.916	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	277.000	-11.903	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	278.000	-11.891	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	279.000	-11.878	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	280.000	-11.865	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	281.000	-11.852	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	282.000	-11.839	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	283.000	-11.827	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	284.000	-11.814	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	285.000	-11.801	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	286.000	-11.788	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	287.000	-11.775	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	288.000	-11.762	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	289.000	-11.750	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	290.000	-11.737	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	291.000	-11.724	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	292.000	-11.711	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	293.000	-11.698	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	294.000	-11.685	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	295.000	-11.673	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	296.000	-11.660	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	297.000	-11.647	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	298.000	-11.634	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	299.000	-11.621	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	300.000	-11.608	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	301.000	-11.596	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	302.000	-11.583	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	303.000	-11.570	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	304.000	-11.557	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	305.000	-11.544	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	306.000	-11.531	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	307.000	-11.519	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	308.000	-11.506	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	309.000	-11.493	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	310.000	-11.480	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	311.000	-11.467	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	312.000	-11.454	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	313.000	-11.442	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	314.000	-11.429	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	315.000	-11.416	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	316.000	-11.403	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	317.000	-11.390	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	318.000	-11.378	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	319.000	-11.365	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	320.000	-11.352	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	321.000	-11.339	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	322.000	-11.326	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	323.000	-11.313	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	324.000	-11.300	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	325.000	-11.288	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	326.000	-11.275	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	327.000	-11.262	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	328.000	-11.249	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	329.000	-11.236	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	330.000	-11.224	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	331.000	-11.211	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	332.000	-11.198	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	333.000	-11.185	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	334.000	-11.172	0.000	9.023	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	335.000	-11.159	0.000	9.023	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	336.000	-11.125	0.000	9.023	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	337.000	-11.057	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	338.000	-10.989	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	339.000	-10.921	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	340.000	-10.852	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	341.000	-10.784	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	342.000	-10.716	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	343.000	-10.648	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	344.000	-10.579	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	345.000	-10.511	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	346.000	-10.443	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	347.000	-10.375	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	348.000	-10.307	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	349.000	-10.238	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	350.000	-10.170	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	351.000	-10.102	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	352.000	-10.033	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	353.000	-9.966	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	354.000	-9.898	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	355.000	-9.829	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	356.000	-9.761	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	357.000	-9.693	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	358.000	-9.625	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	359.000	-9.556	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	360.000	-9.488	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	361.000	-9.420	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	362.000	-9.352	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	363.000	-9.283	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	364.000	-9.215	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	365.000	-9.147	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	366.000	-9.079	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	367.000	-9.010	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	368.000	-8.942	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	369.000	-8.874	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	370.000	-8.806	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	371.000	-8.737	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	372.000	-8.669	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	373.000	-8.601	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	374.000	-8.533	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	375.000	-8.464	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	376.000	-8.396	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	377.000	-8.328	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	378.000	-8.260	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	379.000	-8.191	0.000	9.023	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	380.000	-8.123	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	381.000	-8.054	0.000	9.023	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	382.000	-7.983	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	383.000	-7.912	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	385.000	-7.770	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	386.000	-7.699	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	388.000	-7.557	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	389.000	-7.486	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	391.000	-7.344	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	392.000	-7.273	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	394.000	-7.131	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	395.000	-7.060	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	397.000	-6.918	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	398.000	-6.847	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	400.000	-6.705	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	401.000	-6.634	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	403.000	-6.492	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	404.000	-6.421	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	406.000	-6.279	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	407.000	-6.208	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	409.000	-6.066	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	410.000	-5.995	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	412.000	-5.853	0.000	9.023	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	413.000	-5.784	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	415.000	-5.646	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	416.000	-5.576	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	418.000	-5.439	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	419.000	-5.370	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	421.000	-5.232	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	422.000	-5.163	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	427.000	-4.818	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	428.000	-4.749	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	433.000	-4.404	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	434.000	-4.335	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	439.000	-3.991	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	440.000	-3.922	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	446.000	-3.508	0.000	9.023	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	449.000	-3.301	0.000	9.023	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	537.000	2.870	0.000	9.022	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	538.000	2.940	0.000	9.022	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	564.300	3.533	0.000	9.023	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	567.600	3.607	0.000	9.026	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	570.900	3.681	0.000	9.029	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	574.100	3.755	0.000	9.033	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	577.400	3.829	0.000	9.035	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	580.700	3.902	0.000	9.038	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	584.000	3.976	0.000	9.042	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	587.300	4.050	0.000	9.045	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	590.500	4.124	0.000	9.048	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	593.800	4.198	0.000	9.051	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	597.100	4.272	0.000	9.054	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	600.400	4.346	0.000	9.057	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	603.700	4.420	0.000	9.060	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	607.000	4.494	0.000	9.064	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	610.200	4.568	0.000	9.067	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	613.500	4.641	0.000	9.070	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	616.800	4.715	0.000	9.073	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	620.100	4.789	0.000	9.076	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	623.400	4.863	0.000	9.080	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	626.600	4.937	0.000	9.083	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	629.900	5.011	0.000	9.086	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	633.200	5.085	0.000	9.089	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	636.500	5.159	0.000	9.092	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	639.800	5.233	0.000	9.095	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	643.000	5.307	0.000	9.098	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	646.300	5.381	0.000	9.102	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	649.600	5.455	0.000	9.105	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	652.900	5.528	0.000	9.108	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	656.200	5.602	0.000	9.111	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	659.400	5.676	0.000	9.115	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	662.700	5.750	0.000	9.118	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	666.000	5.824	0.000	9.121	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	669.300	5.898	0.000	9.124	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	672.600	5.972	0.000	9.128	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	675.900	6.046	0.000	9.131	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	679.100	6.120	0.000	9.134	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	682.400	6.194	0.000	9.138	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	685.700	6.267	0.000	9.141	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	689.000	6.341	0.000	9.145	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	692.300	6.415	0.000	9.149	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	695.500	6.489	0.000	9.153	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	698.800	6.563	0.000	9.158	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	702.100	6.637	0.000	9.161	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	705.400	6.711	0.000	9.165	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	708.700	6.785	0.000	9.169	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	711.900	6.859	0.000	9.172	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	715.200	6.933	0.000	9.176	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	718.500	7.006	0.000	9.179	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	721.800	7.080	0.000	9.182	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	725.100	7.154	0.000	9.185	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	728.300	7.228	0.000	9.188	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	731.600	7.302	0.000	9.191	0.000	0.000	0.000	0.000	0.112	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	734.900	7.966	0.000	9.196	0.000	0.000	0.000	0.000	0.371	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	736.700	9.196	0.000	9.196	0.000	0.000	0.000	0.000	0.684	0.000

----------END OF TRANSECT----------

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

1

PART2: CONTROLLING WAVE HEIGHTS, SPECTRAL PEAK WAVE PERIOD, AND WAVE CREST ELEVATIONS

	LOCATION	CONTROLLING WAVE HEIGHT	SPECTRAL PEAK WAVE PERIOD	WAVE CREST ELEVATION
IE	0.00	5.63	5.02	12.96
OF	1.00	5.63	5.02	12.96
OF	2.00	5.63	5.02	12.96
OF	3.00	5.63	5.02	12.96
OF	4.00	5.63	5.02	12.96
OF	5.00	5.63	5.02	12.96
OF	6.00	5.63	5.02	12.96
OF	7.00	5.63	5.02	12.96
OF	8.00	5.62	5.02	12.96
OF	9.00	5.62	5.02	12.96
OF	10.00	5.62	5.02	12.96
OF	11.00	5.62	5.02	12.96
OF	12.00	5.62	5.02	12.96
OF	13.00	5.62	5.02	12.96
OF	14.00	5.62	5.02	12.96
OF	15.00	5.62	5.02	12.96
OF	16.00	5.62	5.02	12.96
OF	17.00	5.62	5.02	12.96
OF	18.00	5.62	5.02	12.96
OF	19.00	5.62	5.02	12.96
OF	20.00	5.62	5.02	12.96
OF	21.00	5.62	5.02	12.96
OF	22.00	5.62	5.02	12.96

OF	23.00	5.62	5.02	12.96
OF	24.00	5.62	5.02	12.96
OF	25.00	5.62	5.02	12.96
OF	26.00	5.62	5.02	12.96
OF	27.00	5.62	5.02	12.96
OF	28.00	5.62	5.02	12.96
OF	29.00	5.62	5.02	12.96
OF	30.00	5.62	5.02	12.96
OF	31.00	5.62	5.02	12.96
OF	32.00	5.62	5.02	12.96
OF	33.00	5.62	5.02	12.96
OF	34.00	5.62	5.02	12.96
OF	35.00	5.62	5.02	12.96
OF	36.00	5.62	5.02	12.96
OF	37.00	5.62	5.02	12.96
OF	38.00	5.62	5.02	12.96
OF	39.00	5.62	5.02	12.96
OF	40.00	5.62	5.02	12.96
OF	41.00	5.62	5.02	12.96
OF	42.00	5.62	5.02	12.96
OF	43.00	5.62	5.02	12.96
OF	44.00	5.62	5.02	12.96
OF	45.00	5.62	5.02	12.95
OF	46.00	5.62	5.02	12.95
OF	47.00	5.62	5.02	12.95
OF	48.00	5.62	5.02	12.95
OF	49.00	5.62	5.02	12.95
OF	50.00	5.62	5.02	12.95
OF	51.00	5.62	5.02	12.95
OF	52.00	5.62	5.02	12.95
OF	53.00	5.62	5.02	12.95
OF	54.00	5.62	5.02	12.95
OF	55.00	5.62	5.02	12.95
OF	56.00	5.62	5.02	12.95
OF	57.00	5.62	5.02	12.95
OF	58.00	5.61	5.02	12.95
OF	59.00	5.61	5.02	12.95
OF	60.00	5.61	5.02	12.95
OF	61.00	5.61	5.02	12.95
OF	62.00	5.61	5.02	12.95
OF	63.00	5.61	5.02	12.95
OF	64.00	5.61	5.02	12.95
OF	65.00	5.61	5.02	12.95
OF	66.00	5.61	5.02	12.95
OF	67.00	5.61	5.02	12.95
OF	68.00	5.61	5.02	12.95
OF	69.00	5.61	5.02	12.95
OF	70.00	5.61	5.02	12.95
OF	71.00	5.61	5.02	12.95
OF	72.00	5.61	5.02	12.95
OF	73.00	5.61	5.02	12.95
OF	74.00	5.61	5.02	12.95
OF	75.00	5.61	5.02	12.95
OF	76.00	5.61	5.02	12.95
OF	77.00	5.61	5.02	12.95
OF	78.00	5.61	5.02	12.95
OF	79.00	5.61	5.02	12.95
OF	80.00	5.61	5.02	12.95
OF	81.00	5.61	5.02	12.95
OF	82.00	5.61	5.02	12.95
OF	83.00	5.61	5.02	12.95
OF	84.00	5.61	5.02	12.95
OF	85.00	5.61	5.02	12.95
OF	86.00	5.61	5.02	12.95
OF	87.00	5.61	5.02	12.95
OF	88.00	5.61	5.02	12.95
OF	89.00	5.61	5.02	12.95
OF	90.00	5.61	5.02	12.95
OF	91.00	5.61	5.02	12.95
OF	92.00	5.61	5.02	12.95
OF	93.00	5.61	5.02	12.95
OF	94.00	5.61	5.02	12.95
OF	95.00	5.61	5.02	12.95
OF	96.00	5.61	5.02	12.95
OF	97.00	5.61	5.02	12.95
OF	98.00	5.61	5.02	12.95
OF	99.00	5.61	5.02	12.95
OF	100.00	5.61	5.02	12.95
OF	101.00	5.61	5.02	12.95
OF	102.00	5.61	5.02	12.95
OF	103.00	5.61	5.02	12.95
OF	104.00	5.61	5.02	12.95
OF	105.00	5.61	5.02	12.95
OF	106.00	5.61	5.02	12.95
OF	107.00	5.61	5.02	12.95
OF	108.00	5.61	5.02	12.95
OF	109.00	5.61	5.02	12.95
OF	110.00	5.61	5.02	12.95
OF	111.00	5.61	5.02	12.95
OF	112.00	5.61	5.02	12.95
OF	113.00	5.61	5.02	12.95
OF	114.00	5.61	5.03	12.95
OF	115.00	5.61	5.03	12.95
OF	116.00	5.61	5.03	12.95
OF	117.00	5.61	5.03	12.95
OF	118.00	5.61	5.03	12.95
OF	119.00	5.61	5.03	12.95
OF	120.00	5.61	5.03	12.95
OF	121.00	5.61	5.03	12.95
OF	122.00	5.61	5.03	12.95
OF	123.00	5.61	5.03	12.95
OF	124.00	5.61	5.03	12.95

OF	125.00	5.61	5.03	12.95
OF	126.00	5.61	5.03	12.95
OF	127.00	5.61	5.03	12.95
OF	128.00	5.61	5.03	12.95
OF	129.00	5.61	5.03	12.95
OF	130.00	5.61	5.03	12.95
OF	131.00	5.61	5.03	12.95
OF	132.00	5.61	5.03	12.95
OF	133.00	5.61	5.03	12.95
OF	134.00	5.61	5.03	12.95
OF	135.00	5.61	5.03	12.95
OF	136.00	5.61	5.03	12.95
OF	137.00	5.61	5.03	12.95
OF	138.00	5.61	5.03	12.95
OF	139.00	5.61	5.03	12.95
OF	140.00	5.61	5.03	12.95
OF	141.00	5.61	5.03	12.95
OF	142.00	5.61	5.03	12.95
OF	143.00	5.61	5.03	12.95
OF	144.00	5.61	5.03	12.95
OF	145.00	5.61	5.03	12.95
OF	146.00	5.61	5.03	12.95
OF	147.00	5.61	5.03	12.95
OF	148.00	5.61	5.03	12.95
OF	149.00	5.61	5.03	12.95
OF	150.00	5.61	5.03	12.95
OF	151.00	5.61	5.03	12.95
OF	152.00	5.61	5.03	12.95
OF	153.00	5.61	5.03	12.95
OF	154.00	5.61	5.03	12.95
OF	155.00	5.62	5.03	12.95
OF	156.00	5.62	5.03	12.95
OF	157.00	5.62	5.03	12.95
OF	158.00	5.62	5.03	12.95
OF	159.00	5.62	5.03	12.95
OF	160.00	5.62	5.03	12.95
OF	161.00	5.62	5.03	12.95
OF	162.00	5.62	5.03	12.95
OF	163.00	5.62	5.03	12.95
OF	164.00	5.62	5.03	12.95
OF	165.00	5.62	5.03	12.95
OF	166.00	5.62	5.03	12.95
OF	167.00	5.62	5.03	12.95
OF	168.00	5.62	5.03	12.96
OF	169.00	5.62	5.03	12.96
OF	170.00	5.62	5.03	12.96
OF	171.00	5.62	5.03	12.96
OF	172.00	5.62	5.03	12.96
OF	173.00	5.62	5.03	12.96
OF	174.00	5.62	5.03	12.96
OF	175.00	5.62	5.03	12.96
OF	176.00	5.62	5.03	12.96
OF	177.00	5.62	5.03	12.96
OF	178.00	5.62	5.03	12.96
OF	179.00	5.62	5.03	12.96
OF	180.00	5.62	5.03	12.96
OF	181.00	5.62	5.03	12.96
OF	182.00	5.62	5.03	12.96
OF	183.00	5.62	5.03	12.96
OF	184.00	5.62	5.03	12.96
OF	185.00	5.62	5.03	12.96
OF	186.00	5.62	5.03	12.96
OF	187.00	5.62	5.03	12.96
OF	188.00	5.62	5.03	12.96
OF	189.00	5.62	5.03	12.96
OF	190.00	5.62	5.03	12.96
OF	191.00	5.62	5.03	12.96
OF	192.00	5.62	5.03	12.96
OF	193.00	5.62	5.03	12.96
OF	194.00	5.62	5.03	12.96
OF	195.00	5.62	5.03	12.96
OF	196.00	5.62	5.03	12.96
OF	197.00	5.62	5.03	12.96
OF	198.00	5.62	5.03	12.96
OF	199.00	5.62	5.03	12.96
OF	200.00	5.62	5.03	12.96
OF	201.00	5.62	5.03	12.96
OF	202.00	5.62	5.03	12.96
OF	203.00	5.62	5.03	12.96
OF	204.00	5.62	5.03	12.96
OF	205.00	5.62	5.03	12.96
OF	206.00	5.62	5.03	12.96
OF	207.00	5.62	5.03	12.96
OF	208.00	5.62	5.03	12.96
OF	209.00	5.62	5.03	12.96
OF	210.00	5.63	5.03	12.96
OF	211.00	5.63	5.03	12.96
OF	212.00	5.63	5.03	12.96
OF	213.00	5.63	5.03	12.96
OF	214.00	5.63	5.03	12.96
OF	215.00	5.63	5.03	12.96
OF	216.00	5.63	5.03	12.96
OF	217.00	5.63	5.03	12.96
OF	218.00	5.63	5.03	12.96
OF	219.00	5.63	5.03	12.96
OF	220.00	5.63	5.03	12.96
OF	221.00	5.63	5.03	12.96
OF	222.00	5.63	5.03	12.96
OF	223.00	5.63	5.03	12.96
OF	224.00	5.63	5.03	12.96
OF	225.00	5.63	5.03	12.96
OF	226.00	5.63	5.03	12.96

OF	227.00	5.63	5.03	12.96
OF	228.00	5.63	5.03	12.96
OF	229.00	5.63	5.03	12.96
OF	230.00	5.63	5.03	12.96
OF	231.00	5.63	5.03	12.96
OF	232.00	5.63	5.03	12.96
OF	233.00	5.63	5.03	12.96
OF	234.00	5.63	5.03	12.96
OF	235.00	5.63	5.03	12.96
OF	236.00	5.63	5.03	12.96
OF	237.00	5.63	5.03	12.96
OF	238.00	5.63	5.03	12.96
OF	239.00	5.63	5.03	12.97
OF	240.00	5.63	5.03	12.97
OF	241.00	5.63	5.03	12.97
OF	242.00	5.63	5.03	12.97
OF	243.00	5.63	5.03	12.97
OF	244.00	5.63	5.03	12.97
OF	245.00	5.63	5.03	12.97
OF	246.00	5.63	5.03	12.97
OF	247.00	5.63	5.03	12.97
OF	248.00	5.63	5.03	12.97
OF	249.00	5.63	5.03	12.97
OF	250.00	5.63	5.03	12.97
OF	251.00	5.63	5.03	12.97
OF	252.00	5.63	5.03	12.97
OF	253.00	5.63	5.03	12.97
OF	254.00	5.64	5.03	12.97
OF	255.00	5.64	5.03	12.97
OF	256.00	5.64	5.03	12.97
OF	257.00	5.64	5.03	12.97
OF	258.00	5.64	5.03	12.97
OF	259.00	5.64	5.03	12.97
OF	260.00	5.64	5.03	12.97
OF	261.00	5.64	5.03	12.97
OF	262.00	5.64	5.03	12.97
OF	263.00	5.64	5.03	12.97
OF	264.00	5.64	5.03	12.97
OF	265.00	5.64	5.03	12.97
OF	266.00	5.64	5.03	12.97
OF	267.00	5.64	5.03	12.97
OF	268.00	5.64	5.03	12.97
OF	269.00	5.64	5.03	12.97
OF	270.00	5.64	5.03	12.97
OF	271.00	5.64	5.03	12.97
OF	272.00	5.64	5.03	12.97
OF	273.00	5.64	5.03	12.97
OF	274.00	5.64	5.03	12.97
OF	275.00	5.64	5.03	12.97
OF	276.00	5.64	5.03	12.97
OF	277.00	5.64	5.03	12.97
OF	278.00	5.64	5.03	12.97
OF	279.00	5.64	5.03	12.97
OF	280.00	5.64	5.03	12.97
OF	281.00	5.64	5.03	12.97
OF	282.00	5.64	5.03	12.97
OF	283.00	5.64	5.03	12.97
OF	284.00	5.64	5.03	12.97
OF	285.00	5.64	5.03	12.97
OF	286.00	5.64	5.03	12.97
OF	287.00	5.64	5.03	12.97
OF	288.00	5.64	5.03	12.97
OF	289.00	5.64	5.03	12.97
OF	290.00	5.64	5.03	12.97
OF	291.00	5.64	5.03	12.97
OF	292.00	5.64	5.03	12.97
OF	293.00	5.65	5.03	12.97
OF	294.00	5.65	5.03	12.97
OF	295.00	5.65	5.03	12.98
OF	296.00	5.65	5.03	12.98
OF	297.00	5.65	5.03	12.98
OF	298.00	5.65	5.03	12.98
OF	299.00	5.65	5.03	12.98
OF	300.00	5.65	5.03	12.98
OF	301.00	5.65	5.03	12.98
OF	302.00	5.65	5.03	12.98
OF	303.00	5.65	5.03	12.98
OF	304.00	5.65	5.03	12.98
OF	305.00	5.65	5.03	12.98
OF	306.00	5.65	5.03	12.98
OF	307.00	5.65	5.03	12.98
OF	308.00	5.65	5.03	12.98
OF	309.00	5.65	5.03	12.98
OF	310.00	5.65	5.03	12.98
OF	311.00	5.65	5.03	12.98
OF	312.00	5.65	5.03	12.98
OF	313.00	5.65	5.03	12.98
OF	314.00	5.65	5.03	12.98
OF	315.00	5.65	5.03	12.98
OF	316.00	5.65	5.03	12.98
OF	317.00	5.65	5.03	12.98
OF	318.00	5.65	5.03	12.98
OF	319.00	5.65	5.03	12.98
OF	320.00	5.65	5.03	12.98
OF	321.00	5.65	5.03	12.98
OF	322.00	5.65	5.03	12.98
OF	323.00	5.65	5.03	12.98
OF	324.00	5.65	5.03	12.98
OF	325.00	5.65	5.03	12.98
OF	326.00	5.65	5.03	12.98
OF	327.00	5.65	5.03	12.98
OF	328.00	5.66	5.03	12.98

OF	329.00	5.66	5.03	12.98
OF	330.00	5.66	5.03	12.98
OF	331.00	5.66	5.03	12.98
OF	332.00	5.66	5.03	12.98
OF	333.00	5.66	5.03	12.98
OF	334.00	5.66	5.03	12.98
OF	335.00	5.66	5.03	12.98
OF	336.00	5.66	5.03	12.98
OF	337.00	5.66	5.03	12.98
OF	338.00	5.66	5.03	12.98
OF	339.00	5.66	5.03	12.98
OF	340.00	5.66	5.03	12.99
OF	341.00	5.66	5.03	12.99
OF	342.00	5.66	5.03	12.99
OF	343.00	5.66	5.03	12.99
OF	344.00	5.66	5.03	12.99
OF	345.00	5.66	5.03	12.99
OF	346.00	5.67	5.03	12.99
OF	347.00	5.67	5.03	12.99
OF	348.00	5.67	5.03	12.99
OF	349.00	5.67	5.03	12.99
OF	350.00	5.67	5.03	12.99
OF	351.00	5.67	5.03	12.99
OF	352.00	5.67	5.03	12.99
OF	353.00	5.67	5.03	12.99
OF	354.00	5.67	5.03	12.99
OF	355.00	5.67	5.03	12.99
OF	356.00	5.68	5.03	13.00
OF	357.00	5.68	5.03	13.00
OF	358.00	5.68	5.03	13.00
OF	359.00	5.68	5.03	13.00
OF	360.00	5.68	5.03	13.00
OF	361.00	5.68	5.03	13.00
OF	362.00	5.68	5.03	13.00
OF	363.00	5.68	5.03	13.00
OF	364.00	5.69	5.03	13.00
OF	365.00	5.69	5.03	13.00
OF	366.00	5.69	5.03	13.00
OF	367.00	5.69	5.03	13.01
OF	368.00	5.69	5.03	13.01
OF	369.00	5.69	5.03	13.01
OF	370.00	5.69	5.03	13.01
OF	371.00	5.70	5.03	13.01
OF	372.00	5.70	5.03	13.01
OF	373.00	5.70	5.03	13.01
OF	374.00	5.70	5.03	13.01
OF	375.00	5.70	5.03	13.01
OF	376.00	5.70	5.03	13.02
OF	377.00	5.71	5.03	13.02
OF	378.00	5.71	5.03	13.02
OF	379.00	5.71	5.03	13.02
OF	380.00	5.71	5.03	13.02
OF	381.00	5.71	5.03	13.02
OF	382.00	5.71	5.03	13.02
OF	383.00	5.72	5.03	13.02
OF	385.00	5.72	5.03	13.03
OF	386.00	5.72	5.03	13.03
OF	388.00	5.73	5.03	13.03
OF	389.00	5.73	5.03	13.03
OF	391.00	5.73	5.03	13.04
OF	392.00	5.74	5.03	13.04
OF	394.00	5.74	5.03	13.04
OF	395.00	5.74	5.03	13.04
OF	397.00	5.75	5.03	13.05
OF	398.00	5.75	5.03	13.05
OF	400.00	5.76	5.03	13.05
OF	401.00	5.76	5.04	13.05
OF	403.00	5.76	5.04	13.06
OF	404.00	5.77	5.04	13.06
OF	406.00	5.77	5.04	13.06
OF	407.00	5.78	5.04	13.07
OF	409.00	5.78	5.04	13.07
OF	410.00	5.79	5.04	13.07
OF	412.00	5.79	5.04	13.08
OF	413.00	5.80	5.04	13.08
OF	415.00	5.80	5.04	13.08
OF	416.00	5.80	5.04	13.09
OF	418.00	5.81	5.04	13.09
OF	419.00	5.82	5.04	13.09
OF	421.00	5.82	5.04	13.10
OF	422.00	5.83	5.04	13.10
OF	427.00	5.85	5.04	13.11
OF	428.00	5.85	5.04	13.12
OF	433.00	5.87	5.04	13.13
OF	434.00	5.87	5.04	13.13
OF	439.00	5.90	5.04	13.15
OF	440.00	5.90	5.04	13.15
OF	446.00	5.93	5.04	13.17
OF	449.00	5.95	5.04	13.19
IF	537.00	4.46	5.04	12.14
IF	538.00	4.41	5.04	12.11
IF	564.30	4.01	5.04	11.83
IF	567.60	3.96	5.04	11.80
IF	570.90	3.91	5.04	11.77
IF	574.10	3.87	5.04	11.74
IF	577.40	3.82	5.04	11.71
IF	580.70	3.77	5.04	11.68
IF	584.00	3.72	5.04	11.65
IF	587.30	3.67	5.04	11.62
IF	590.50	3.62	5.04	11.58
IF	593.80	3.57	5.04	11.55
IF	597.10	3.52	5.04	11.52

IF	600.40	3.47	5.04	11.49
IF	603.70	3.42	5.04	11.46
IF	607.00	3.38	5.04	11.43
IF	610.20	3.33	5.04	11.40
IF	613.50	3.28	5.04	11.36
IF	616.80	3.23	5.04	11.33
IF	620.10	3.18	5.04	11.30
IF	623.40	3.13	5.04	11.27
IF	626.60	3.08	5.04	11.24
IF	629.90	3.03	5.04	11.21
IF	633.20	2.98	5.04	11.17
IF	636.50	2.93	5.04	11.14
IF	639.80	2.88	5.04	11.11
IF	643.00	2.83	5.04	11.08
IF	646.30	2.78	5.04	11.05
IF	649.60	2.73	5.04	11.01
IF	652.90	2.68	5.04	10.98
IF	656.20	2.62	5.04	10.95
IF	659.40	2.57	5.04	10.92
IF	662.70	2.52	5.04	10.88
IF	666.00	2.47	5.04	10.85
IF	669.30	2.42	5.04	10.82
IF	672.60	2.37	5.04	10.79
IF	675.90	2.32	5.04	10.75
IF	679.10	2.27	5.04	10.72
IF	682.40	2.22	5.04	10.69
IF	685.70	2.17	5.04	10.66
IF	689.00	2.12	5.04	10.63
IF	692.30	2.06	5.04	10.59
IF	695.50	2.01	5.04	10.56
IF	698.80	1.96	5.04	10.53
IF	702.10	1.91	5.04	10.50
IF	705.40	1.86	5.04	10.47
IF	708.70	1.81	5.04	10.43
IF	711.90	1.75	5.04	10.40
IF	715.20	1.70	5.04	10.37
IF	718.50	1.65	5.04	10.33
IF	721.80	1.60	5.04	10.30
IF	725.10	1.55	5.04	10.27
IF	728.30	1.49	5.04	10.23
IF	731.60	1.44	5.04	10.20
IF	734.90	0.95	5.04	9.86
IF	736.70	0.01	5.04	9.20

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
537.00	1.00	9.02
564.30	1.00	9.02
567.60	1.00	9.03
570.90	1.00	9.03
574.10	1.00	9.03
577.40	1.00	9.03
580.70	1.00	9.04
584.00	1.00	9.04
587.30	1.00	9.05
590.50	1.00	9.05
593.80	1.00	9.05
597.10	1.00	9.05
600.40	1.00	9.06
603.70	1.00	9.06
607.00	1.00	9.06
610.20	1.00	9.07
613.50	1.00	9.07
616.80	1.00	9.07
620.10	1.00	9.08
623.40	1.00	9.08
626.60	1.00	9.08
629.90	1.00	9.09
633.20	1.00	9.09
636.50	1.00	9.09
639.80	1.00	9.10
643.00	1.00	9.10
646.30	1.00	9.10
649.60	1.00	9.10
652.90	1.00	9.11
656.20	1.00	9.11
659.40	1.00	9.11
662.70	1.00	9.12
666.00	1.00	9.12
669.30	1.00	9.12
672.60	1.00	9.13
675.90	1.00	9.13
679.10	1.00	9.13
682.40	1.00	9.14
685.70	1.00	9.14
689.00	1.00	9.15
692.30	1.00	9.15
695.50	1.00	9.15
698.80	1.00	9.16
702.10	1.00	9.16
705.40	1.00	9.16
708.70	1.00	9.17
711.90	1.00	9.17
715.20	1.00	9.18
718.50	1.00	9.18
721.80	1.00	9.18
725.10	1.00	9.19
728.30	1.00	9.19
731.60	1.00	9.19
734.90	1.00	9.20

PART5 LOCATION OF V ZONES

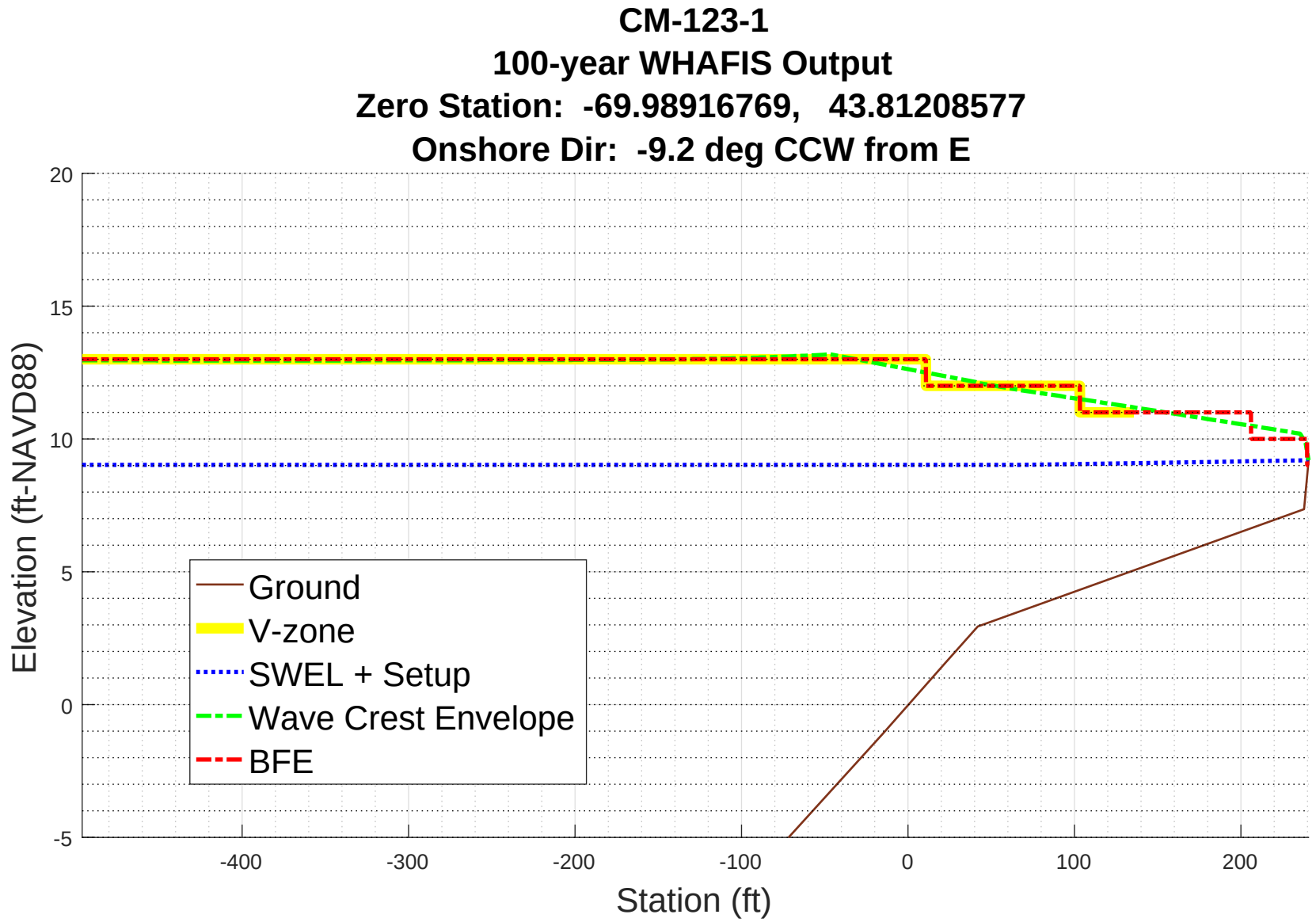
STATION OF GUTTER 631.74

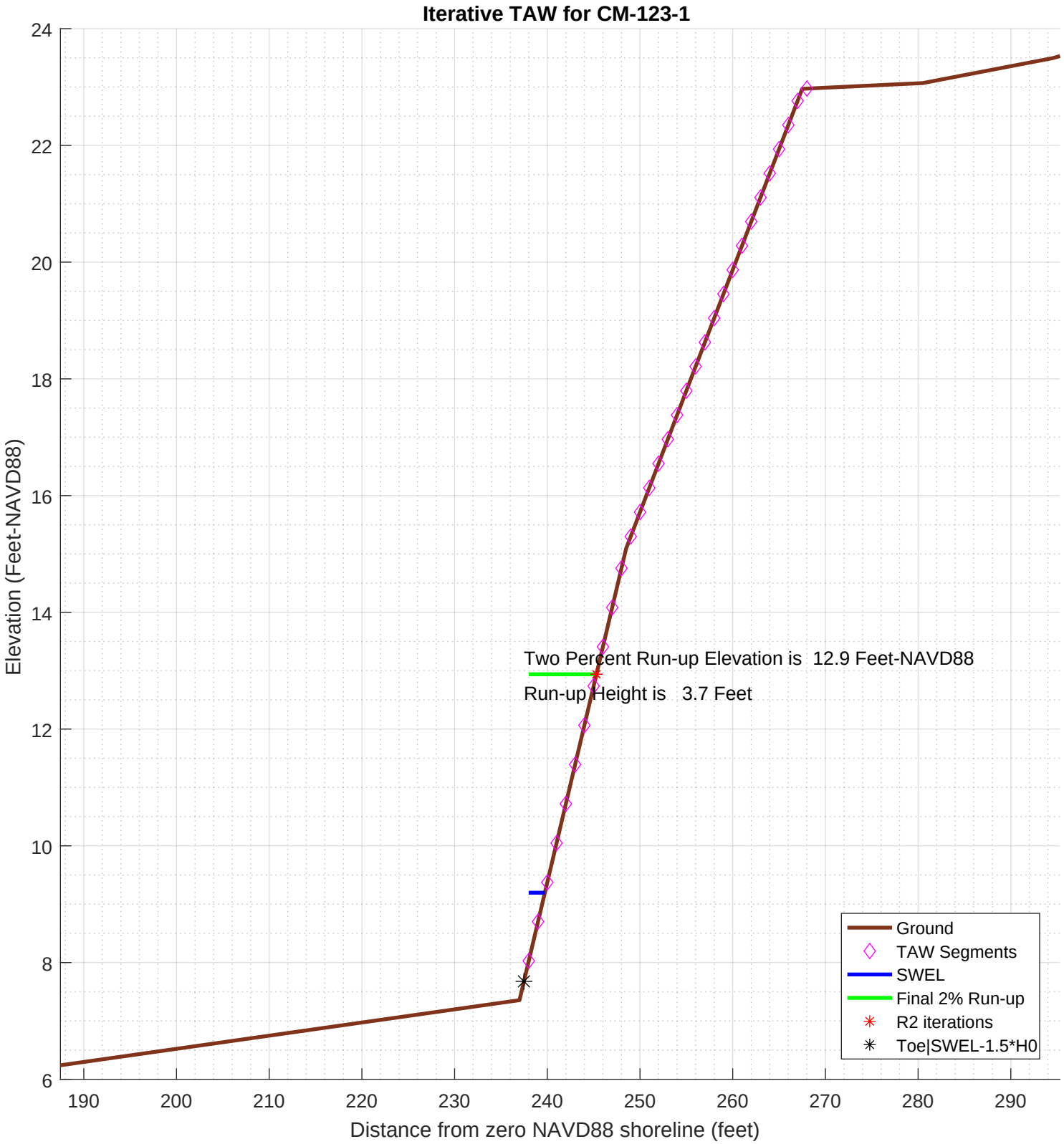
LOCATION OF ZONE WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION		FHF
0.00	12.96	V22	EL=13	120
449.00	13.19	V22	EL=13	120
506.93	12.50	V22	EL=12	120
537.00	12.14	V22	EL=12	120
538.00	12.11	V22	EL=12	120
564.30	11.83	V22	EL=12	120
567.60	11.80	V22	EL=12	120
570.90	11.77	V22	EL=12	120
574.10	11.74	V22	EL=12	120
577.40	11.71	V22	EL=12	120
580.70	11.68	V22	EL=12	120
584.00	11.65	V22	EL=12	120
587.30	11.62	V22	EL=12	120
590.50	11.58	V22	EL=12	120
593.80	11.55	V22	EL=12	120
597.10	11.52	V22	EL=12	120
599.26	11.50	V22	EL=11	120
600.40	11.49	V22	EL=11	120
603.70	11.46	V22	EL=11	120
607.00	11.43	V23	EL=11	130
610.20	11.40	V23	EL=11	130
613.50	11.36	V23	EL=11	130
616.80	11.33	V23	EL=11	130
620.10	11.30	V23	EL=11	130
623.40	11.27	V23	EL=11	130
626.60	11.24	V23	EL=11	130
629.90	11.21	V23	EL=11	130
631.74	11.19	A19	EL=11	95
633.20	11.17	A19	EL=11	95
636.50	11.14	A19	EL=11	95
639.80	11.11	A19	EL=11	95
643.00	11.08	A19	EL=11	95
646.30	11.05	A19	EL=11	95
649.60	11.01	A19	EL=11	95
652.90	10.98	A19	EL=11	95
656.20	10.95	A19	EL=11	95
659.40	10.92	A19	EL=11	95
662.70	10.88	A19	EL=11	95
666.00	10.85	A19	EL=11	95
669.30	10.82	A19	EL=11	95
672.60	10.79	A19	EL=11	95
675.90	10.75	A19	EL=11	95
679.10	10.72	A19	EL=11	95
682.40	10.69	A19	EL=11	95
685.70	10.66	A19	EL=11	95
689.00	10.63	A19	EL=11	95
692.30	10.59	A19	EL=11	95
695.50	10.56	A19	EL=11	95
698.80	10.53	A19	EL=11	95

```
                                701.91          10.50
                                                          A19  EL=10      95
                                702.10          10.50
                                                          A19  EL=10      95
                                705.40          10.47
                                                          A19  EL=10      95
                                708.70          10.43
                                                          A19  EL=10      95
                                711.90          10.40
                                                          A19  EL=10      95
                                715.20          10.37
                                                          A19  EL=10      95
                                718.50          10.33
                                                          A19  EL=10      95
                                721.80          10.30
                                                          A19  EL=10      95
                                725.10          10.27
                                                          A19  EL=10      95
                                728.30          10.23
                                                          A19  EL=10      95
                                731.60          10.20
                                                          A19  EL=10      95
                                734.90           9.86
                                                          A19  EL=10      95
                                735.88           9.50
                                                          A19  EL= 9      95
                                736.70           9.20
                                     ZONE TERMINATED AT END OF TRANSECT
                                     PART 7   POSTSCRIPT NOTES
                           PS#  1   START(420295.0524,4851501.5466)
                           PS#  2   END(420688.3141,4851437.9232)
-1.000000e+00
```


CM-123-1
100-year WHAFIS Output
Zero Station: -69.98916769, 43.81208577
Onshore Dir: -9.2 deg CCW from E
Elevation (ft-NAVD88)
Station (ft)
20
15
10
5
0
-5
-400
-300
-200
-100
0
100
200
Ground
V-zone
SWEL + Setup
Wave Crest Envelope
BFE


Iterative TAW for CM-123-1
Elevation (Feet-NAVD88)
Distance from zero NAVD88 shoreline (feet)
Two Percent Run-up Elevation is 12.9 Feet-NAVD88
Run-up Height is 3.7 Feet
Ground
TAW Segments
SWEL
Final 2% Run-up
R2 iterations
Toe|SWEL-1.5*H0

```
diary on         % begin recording

% FEMA appeal for The Town of Harpswell, Cumberland county, Maine
% TRANSECT ID: CM-123-1
% 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-123-1sta_ele_include.csv';   % file with station, elevation, include
                                        % third colunm is 0 for excluded points
imgname='logfiles/CM-123-1-runup';
SWEL=9.023;  % 100-yr still water level including wave setup.
H0=1.0126;    % significant wave height at toe of structure
Tp=5.1017;    % peak period, 1/fma,
T0=Tp/1.1;

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

setupAtToe=0.17342;
maxSetup=0.17342;   % only used in case of berm/shallow foreshore weighted average

plotTitle='Iterative TAW for CM-123-1'

plotTitle =

Iterative TAW for CM-123-1



% END CONFIG
%------------------------------

SWEL=SWEL+setupAtToe

SWEL =

                   9.19642

SWEL_fore=SWEL+maxSetup

SWEL_fore =

                   9.36984



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

L0 =

          110.064070982803


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

Ztoe =

                   7.67752


% 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 =

                  10.71532


% 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

toe_sta =

          237.478474539738


top_sta =

          241.994205569966

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

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

top_sta =

          241.994205569966

toe_sta

toe_sta =

          237.478474539738




% 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 =

-!!- Location of SWEL-1.5*H0 is  3.0 ft landward of toe of slope


ans =

-!!- Setup is interpolated between setup at toe of slope and max setup


ans =

-!!-       setup is adjusted to 0.17 feet


ans =

-!!-       SWEL is adjusted to 9.20 feet


k =

     1



% 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('!!! - - Iribaren number: %6.2f is outside the valid range (0.5-10), TAW NOT VALID - - !!!\n', Irb*gam
   TAW_VALID=0;
else
   sprintf('!!! - - Iribaren number: %6.2f is in the valid range (0.5-10), TAW RECOMMENDED - - !!!\n', Irb*gamma_
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 ber
   % 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_new
       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 =
                  7.67752
toe_sta =
          237.478474539738
top_sta =
          241.994205569966
Z2 =
                 10.71532
H0 =
                   1.0126
Tp =
                   5.1017
T0 =
          4.63790909090909
R2 =
                   3.0378
Z2 =
                 12.23422
top_sta =
          244.252072571594
Lslope =
          6.77359803185598
ans =
!------- End Berm Factor Calculation, Iter: 1 ---------!
berm_width =
     0
rB =
     0
rdh_mean =
     1
gamma_berm =
     1
slope =
         0.672714852367975
Irb =
          7.01350063783475
gamma_berm =
     1
gamma_perm =
     1
gamma_beta =
```

```
     1
gamma_rough =
     1
gamma =
     1
ans =
!!! - - Iribaren number:   7.01 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:1.5 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          3.74240674730884
R2del =
          0.70460674730884
Z2 =
          12.9388267473088
top_sta =
          245.299480087866
ans =
!----------------- STARTING ITERATION 2 -----------------!
Ztoe =
                    7.67752
toe_sta =
          237.478474539738
top_sta =
          245.299480087866
Z2 =
          12.9388267473088
H0 =
                     1.0126
Tp =
                     5.1017
T0 =
          4.63790909090909
R2 =
          3.74240674730884
Z2 =
          12.9388267473088
top_sta =
          245.299480087866
Lslope =
          7.82100554812789
ans =
!------- End Berm Factor Calculation, Iter: 2 ---------!
berm_width =
     0
rB =
     0
rdh_mean =
     1
gamma_berm =
     1
slope =
         0.672714872139202
Irb =
          7.01350084396297
gamma_berm =
     1
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
     1
gamma =
     1
ans =
!!! - - Iribaren number:   7.01 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:1.5 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          3.74240675629891
R2del =
       8.99007002175267e-09
Z2 =
          12.9388267562989
top_sta =
           245.29948010123
% final 2% runup elevation
Z2=R2_new+SWEL
Z2 =
          12.9388267562989
diary off
-1.000000e+00
-1.000000e+00
```

PART 5: RUNUP2

for transect: CM-123-1

Station locations shifted by: -0.59 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input

RUNUP2 INPUT CONVERSIONS
for transect: CM-123-1

Incident significant wave height: 3.52 feet

Peak wave period: 5.02 seconds

Mean wave height: 2.20 feet

Local Depth below SWEL: 27.63 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 Jersy

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

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

Depth, D = 27.63
Period, T = 4.27
Waveheight, H = 2.20
Deep water wavelength, L0 (ft)
L0 = g*T*T/twopi
L0 = 32.17*4.27*4.27/6.28 = 93.26
Deep water wave celerity, C0 (ft/s)
C0 = L0/T
C0 = 93.26/4.27 = 21.85
Angular frequency, sigma (rad/s)
sigma = twopi/T
sigma = 6.28/4.27 = 1.47
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
y = sigma.*sigma.*D./g
y = 1.47*1.47*27.63/32.17 = 1.86
C1H = sqrt(g.*D./(y+1./(1 + 0.6522.*y + 0.4622.*y.^2 + 0.0864.*y.^4 +0.0675.*y.^5)))
C1H = 20.98
Shoaling Coefficient KsH
KsH = sqrt(C0/C1H)
KsH = sqrt(21.85/20.98) = 1.02
Deepwater Wave Height H0_H (ft)
H0_H = H/KsH
H0_H = 2.20/1.02 = 2.16

Deepwater mean wave height: 2.16 feet

END RUNUP2 CONVERSIONS

RUNUP2 RESULTS
for transect: CM-123-1

RUNUP2 SWEL:
9.00
9.00
9.00
9.00

9.00
9.00
9.00
9.00
9.00

RUNUP2 deepwater mean wave heights:
2.05
2.05
2.05
2.16
2.16
2.16
2.27
2.27
2.27

RUNUP2 mean wave periods:
4.05
4.27
4.48
4.05
4.27
4.48
4.05
4.27
4.48

RUNUP2 runup above SWEL:
0.19
0.22
0.22
0.19
0.23
0.25
0.20
0.24
0.25

RUNUP2 Mean runup height above SWEL: 0.22 feet

RUNUP2 2-percent runup height above SWEL: 0.49 feet

RUNUP2 2-percent runup elevation: 9.49 feet-NAVD88

RUNUP2 Messages:
No Messages

_____END RUNUP2 RESULTS_____

_____ACES BEACH RUNUP_____

Incident significant wave height: 3.52 feet

Significant wave height deshoaled using Hunt equation

Deepwater significant wave height: 3.02 feet

Peak wave period: 5.02 seconds

Average beach Slope: 1:18.39 (H:V)

ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'

ACES Beach 2-percent runup height above SWEL: 2.70 feet

ACES Beach 2-percent runup elevation: 11.70 feet-NAVD88

ACES BEACH RUNUP is valid

_____END ACES BEACH RESULTS_____

PART 5 COMPLETE_____

```
  FEMA                                                  sjh           job 2
  RUNUP2 transect: CM-123-1                                               1
3.00
  -18.61 -496.4 1.0
  -14.44 -373.4 1.0
  -14.42 -372.4 1.0
  -12.75 -276.4 1.0
  -12.40 -252.4 1.0
  -11.97 -224.4 1.0
  -11.96 -223.4 1.0
  -11.16 -161.4 1.0
  -11.13 -160.4 1.0
  -8.12 -116.4 1.0
  -8.05 -115.4 1.0
  -5.85 -84.4  1.0
  -5.78 -83.4  1.0
  -1.09 -15.4  1.0
  1.46  20.6   1.0
  2.94  41.6   1.0
  7.36  237.6  1.0
  15.09 249.1  1.0
  18.21 256.6  1.0
1 22.97 268.1  1.0
 9.0   2.05  4.05
 9.0   2.05  4.27
 9.0   2.05  4.48
 9.0   2.16  4.05
 9.0   2.16  4.27
 9.0   2.16  4.48
 9.0   2.27  4.05
 9.0   2.27  4.27
 9.0   2.27  4.48
```

****

CROSS SECTION PROFILE

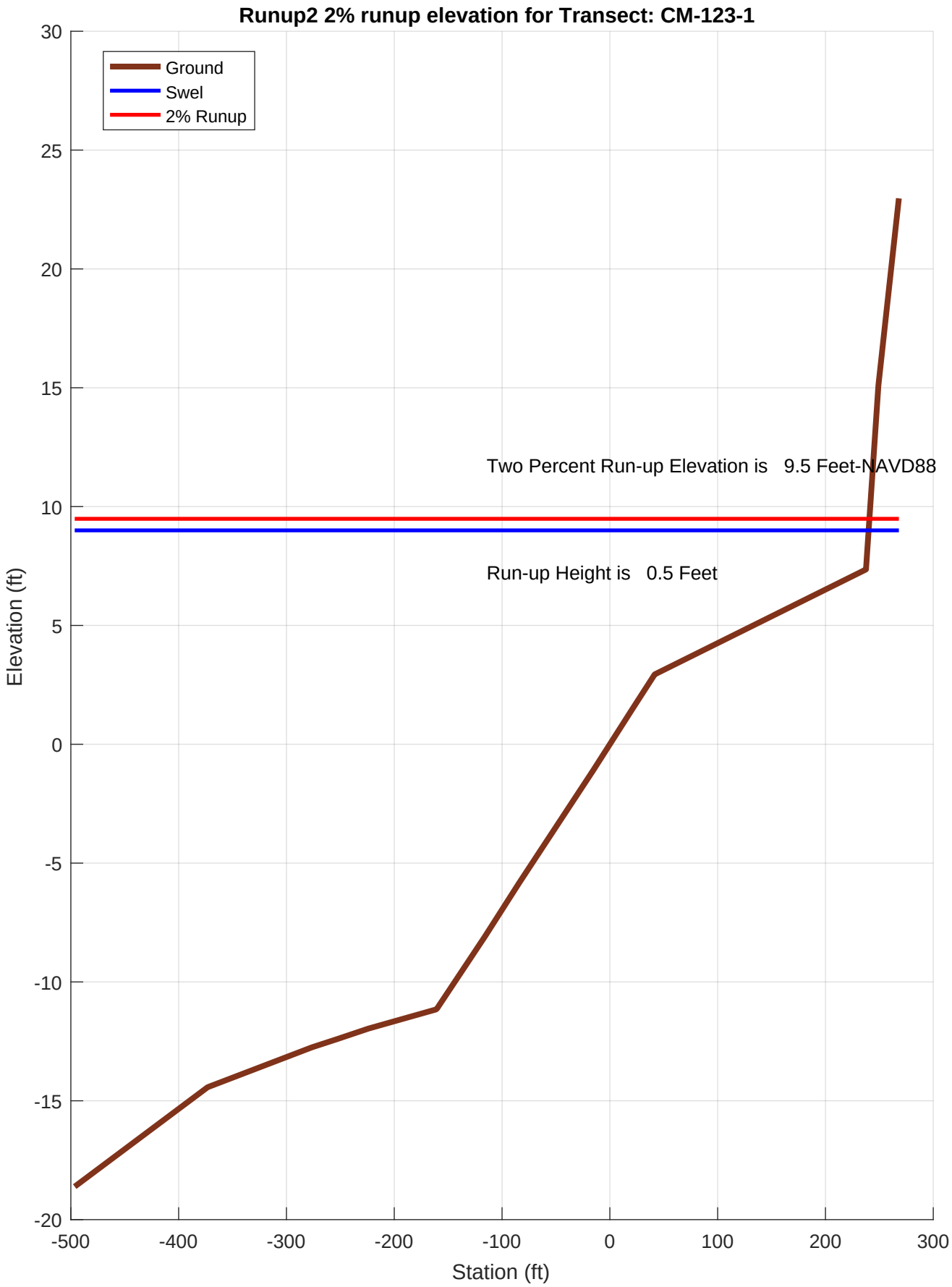
	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-496.0	-18.6		
			.00	1.00
2	-373.0	-14.4		
			FLAT	1.00
3	-372.0	-14.4		
			56.47	1.00
4	-276.0	-12.7		
			80.00	1.00
5	-252.0	-12.4		
			56.00	1.00
6	-224.0	-11.9		
			FLAT	1.00
7	-223.0	-11.9		
			77.50	1.00
8	-161.0	-11.1		
			FLAT	1.00
9	-160.0	-11.1		
			14.63	1.00
10	-116.4	-8.1		
			14.29	1.00
11	-115.4	-8.0		
			14.09	1.00
12	-84.4	-5.8		
			14.29	1.00
13	-83.4	-5.8		
			14.50	1.00
14	-15.4	-1.1		
			14.12	1.00
15	20.6	1.5		
			14.19	1.00
16	41.6	3.0		
			44.34	1.00
17	237.6	7.4		
			1.49	1.00
18	249.1	15.1		
			2.40	1.00
19	256.6	18.2		
			2.42	1.00
20	268.1	23.0		

LAST SLOPE 3.00 LAST ROUGHNESS 1.00

****

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.)
9.00	2.05	4.05	11	17	.19	2.87
9.00	2.05	4.27	11	17	.22	2.91
9.00	2.05	4.48	11	17	.22	2.94
9.00	2.16	4.05	11	17	.19	3.01
9.00	2.16	4.27	11	17	.23	3.04
9.00	2.16	4.48	11	17	.25	3.08
9.00	2.27	4.05	11	17	.20	3.15
9.00	2.27	4.27	11	17	.24	3.18
9.00	2.27	4.48	11	17	.25	3.22


Runup2 2% runup elevation for Transect: CM-123-1
Ground
Swel
2% Runup
Two Percent Run-up Elevation is 9.5 Feet-NAVD88
Run-up Height is 0.5 Feet
Elevation (ft)
Station (ft)
30
25
20
15
10
5
0
-5
-10
-15
-20
-500
-400
-300
-200
-100
0
100
200
300