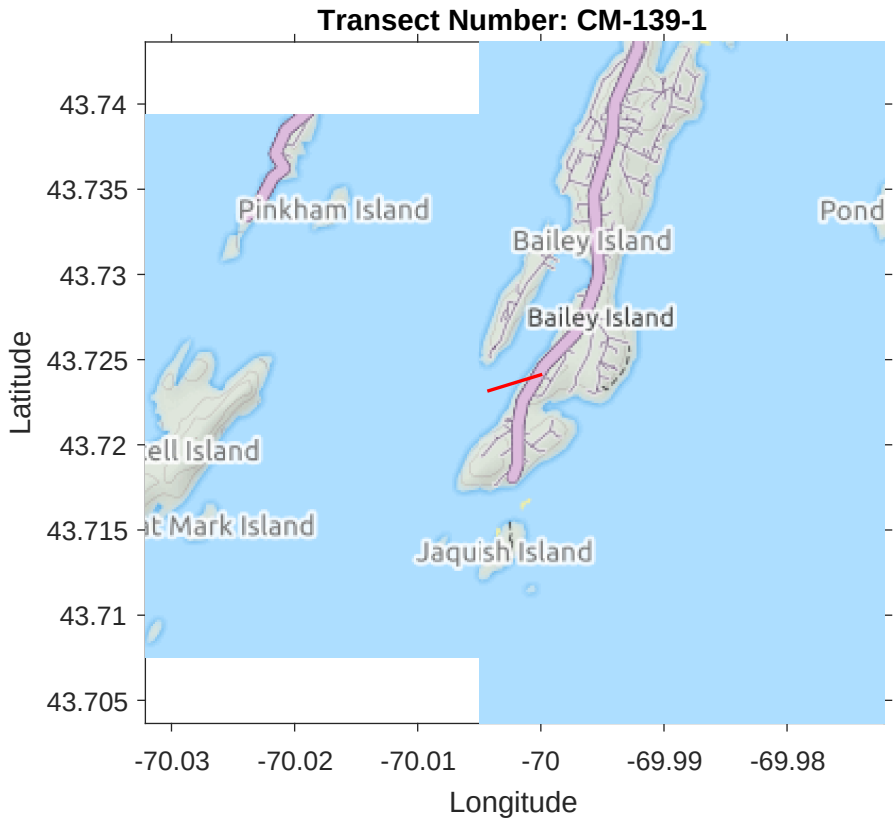
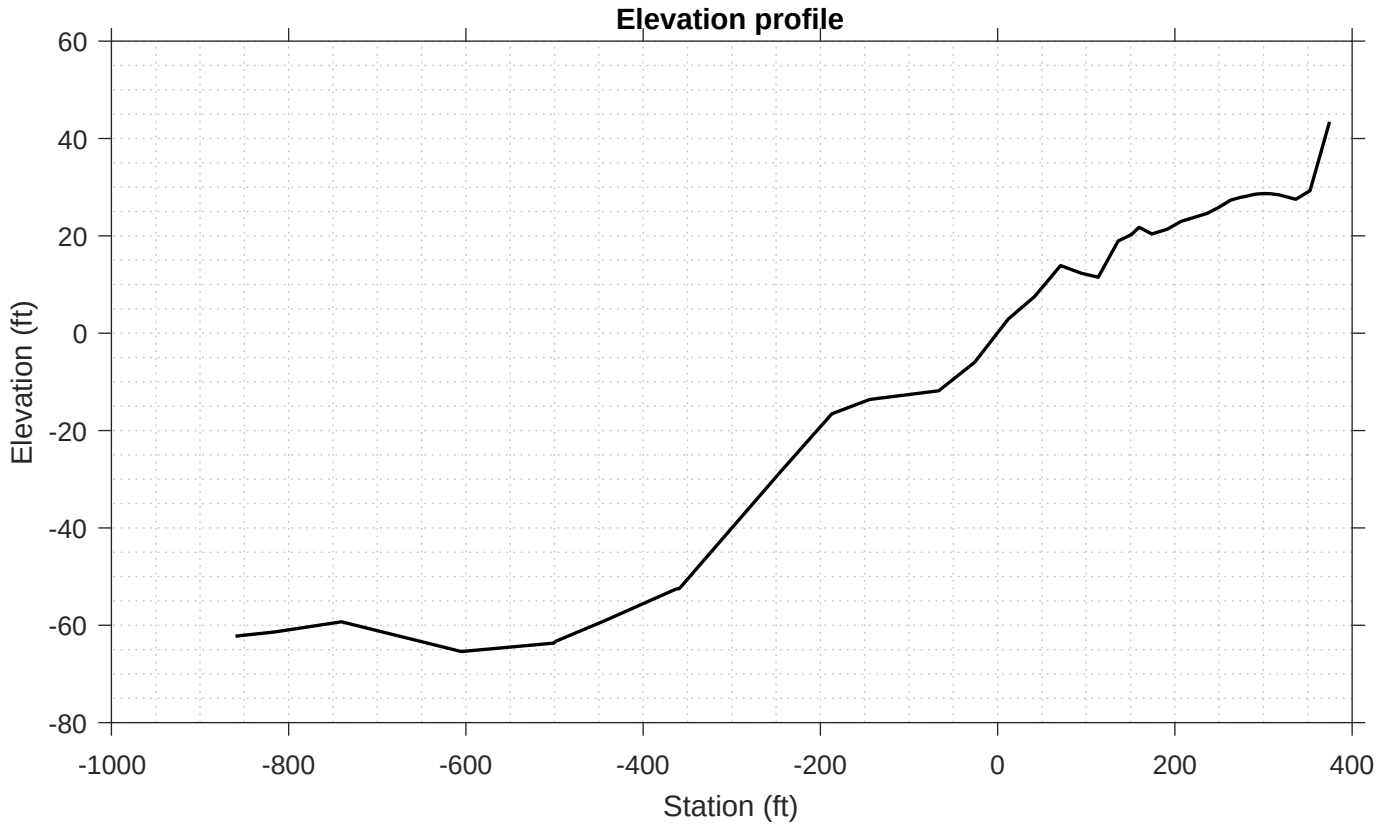

Transect Number: CM-139-1
Pinkham Island
Bailey Island
Bailey Island
Pond
ell Island
t Mark Island
Jaquish Island
Latitude
Longitude
43.74
43.735
43.73
43.725
43.72
43.715
43.71
43.705
-70.03
-70.02
-70.01
-70
-69.99
-69.98


Elevation profile
Elevation (ft)
Station (ft)
60
40
20
0
-20
-40
-60
-80
-1000
-800
-600
-400
-200
0
200
400

DATA LOG FOR TRANSECT ID: CM-139-1

PART 1: USER INPUT

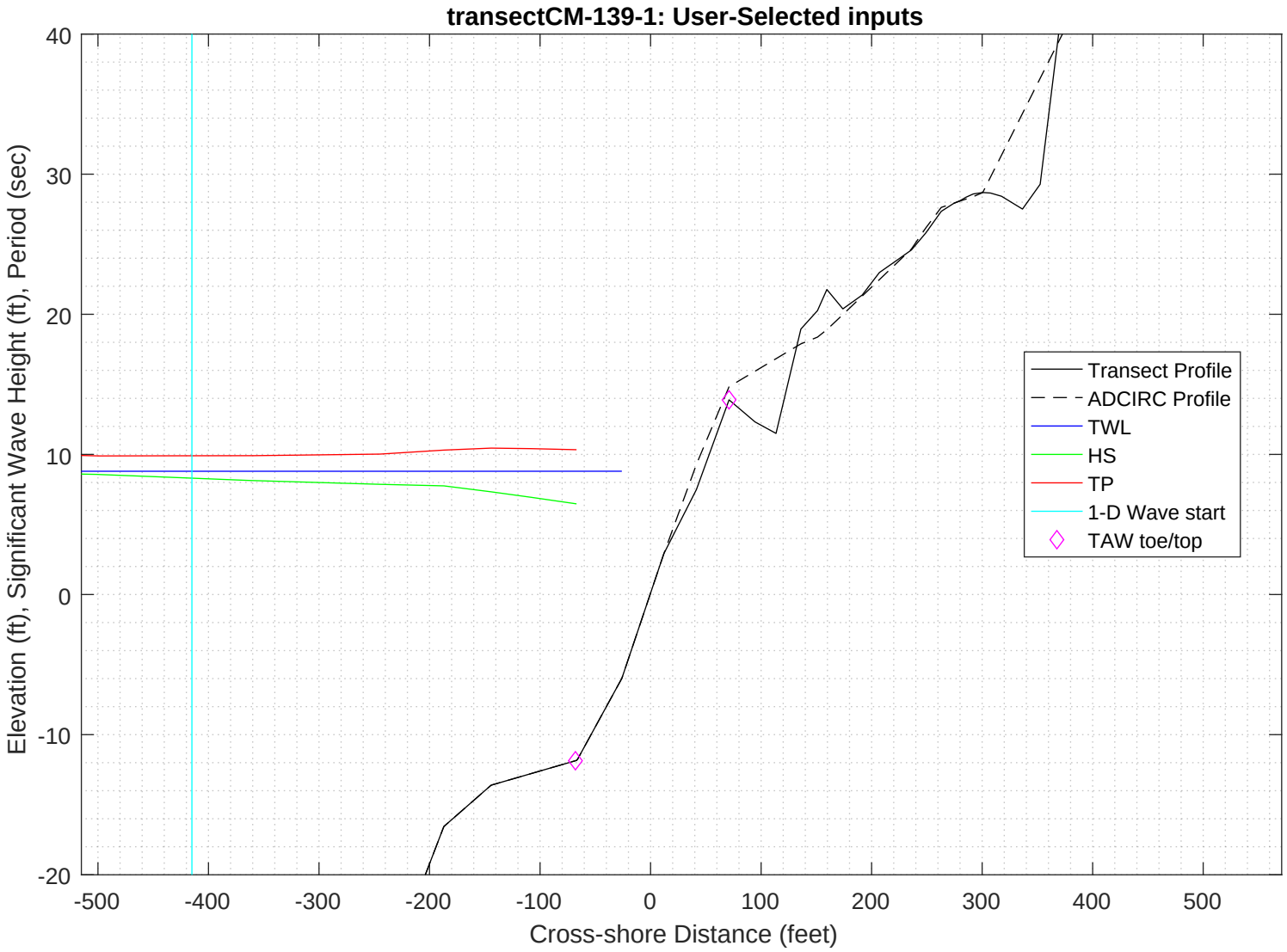
SWAN 1-D / WHAFIS input

station: -415 ft
LON: -70.0027 deg E
LAT: 43.7235 deg N
Bottom ELEV: -56.769 ft-NAVD88
TWL: 8.7974 ft-NAVD88
HS: 8.3049 ft
TP: 9.9036 sec
Wave Direction bin: 0 deg CCW from East (90 deg sector)
Transect Direction: 12.4563 deg CCW from East

TAW/RUNUP input

toe sta: -68 ft
toe elev: -11.8617 ft-NAVD88
top sta: 71 ft
top elev: 13.8944 ft-NAVD88
Wave and water level conditions at toe to be calculated in SWAN 1-D

PART 1 COMPLETE


transectCM-139-1: User-Selected inputs
Elevation (ft), Significant Wave Height (ft), Period (sec)
Cross-shore Distance (feet)
40
30
20
10
0
-10
-20
-500
-400
-300
-200
-100
0
100
200
300
400
500
Transect Profile
ADCIRC Profile
TWL
HS
TP
1-D Wave start
TAW toe/top

PART 2: SWAN 1-D

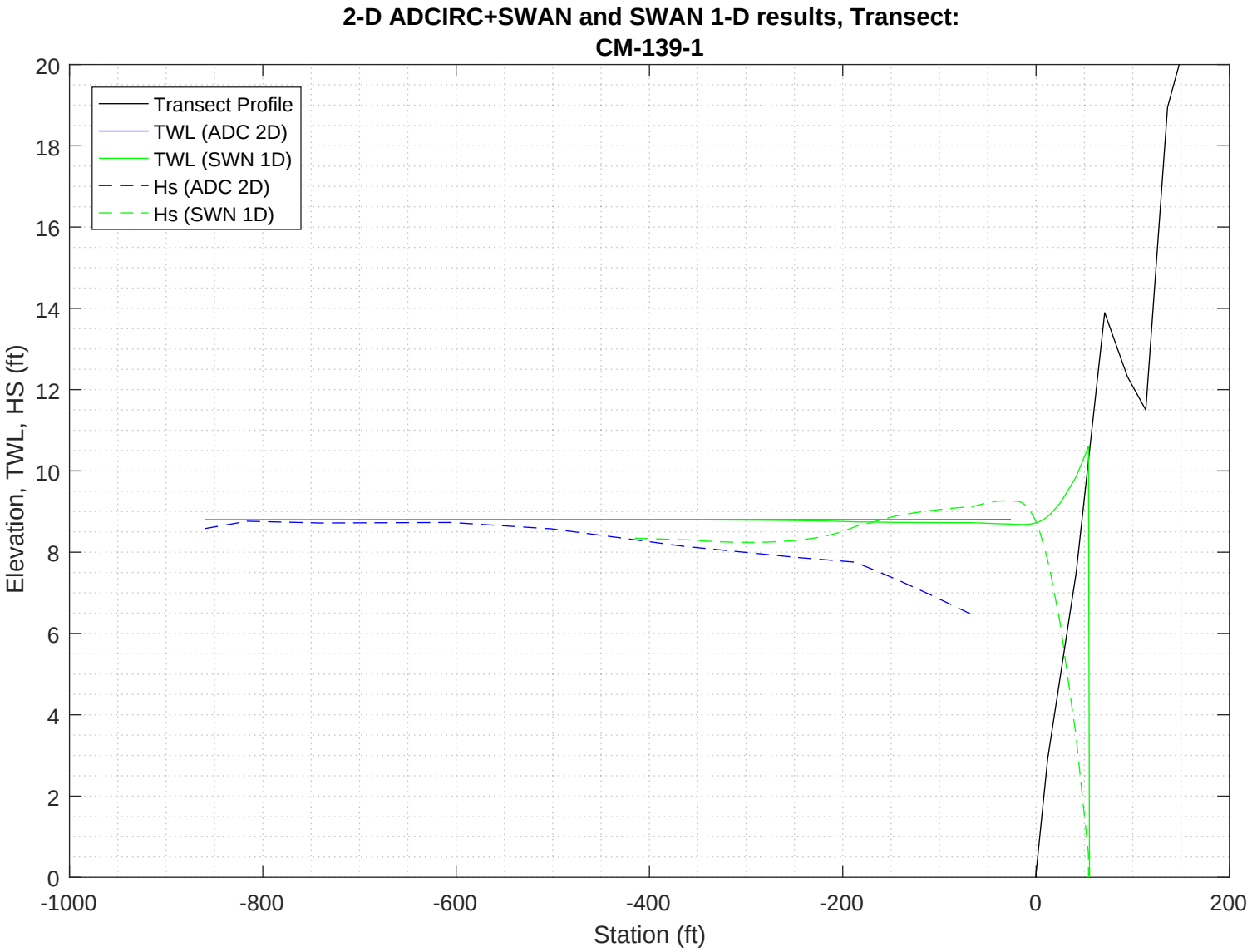
swan input grid name: 2_swan/gridfiles/CM-139-1zmeters_xmeters.grd
swan file name: 2_swan/swanfiles/CM-139-1.swn
swan output name: 2_swan/swanfiles/CM-139-1.dat

Boundary Conditions:
    TWL- 2.6815 meters
    HS- 2.5313 meters
    PER- 9.9036 seconds

Batch File: 2_swan/swanfiles/runswan.dat

SWAN maximum additional wave setup: 1.804 feet
SWAN output at toe:
    SETUP- -0.071548 feet
    HS-   9.1162 feet
    PER-   9.9055 seconds

PART 2 COMPLETE


2-D ADCIRC+SWAN and SWAN 1-D results, Transect:
CM-139-1
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
-1000
-800
-600
-400
-200
0
200

1

```
                    Execution started at 20200220.141939


                    ---------------------------------------
                                    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      148       0.   148     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      148   0      1       1
 !READinp BOTtom [fac]  'fname1'  [idla]  [nhedf]  [FREe|FORmat[form]|UNFormatted]
  READ    BOTTOM   -1. '../gridfiles/CM-139-1zmeters_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   2.5313     9.9036     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      148  148    0
!TABLe 'sname' < HEADer|NOHEADer|INDexed > 'fname' <output parameters> (output time)
 Table 'curve'   HEADER 'CM-139-1.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             149 MYC              1
                     : MCGRD           150
                     : 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  59.03 % 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   0.70 % 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  55.56 % 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  91.67 % 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  92.37 % 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  94.45 % 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  95.84 % 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  95.14 % of wet grid points ( 99.50 % required)

iteration   10; sweep 1
iteration   10; sweep 2
iteration   10; sweep 3
iteration   10; sweep 4
accuracy OK in  96.53 % of wet grid points ( 99.50 % required)

iteration   11; sweep 1
iteration   11; sweep 2
iteration   11; sweep 3
iteration   11; sweep 4
accuracy OK in  97.23 % of wet grid points ( 99.50 % required)

iteration   12; sweep 1
iteration   12; sweep 2
iteration   12; sweep 3
iteration   12; sweep 4
accuracy OK in  96.53 % of wet grid points ( 99.50 % required)

iteration   13; sweep 1
iteration   13; sweep 2
iteration   13; sweep 3
iteration   13; sweep 4
accuracy OK in  97.23 % of wet grid points ( 99.50 % required)

iteration   14; sweep 1
iteration   14; sweep 2
iteration   14; sweep 3
iteration   14; sweep 4
accuracy OK in  97.92 % of wet grid points ( 99.50 % required)

iteration   15; sweep 1
iteration   15; sweep 2
iteration   15; sweep 3
iteration   15; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   16; sweep 1
iteration   16; sweep 2
iteration   16; sweep 3
iteration   16; sweep 4
accuracy OK in  97.92 % of wet grid points ( 99.50 % required)

iteration   17; sweep 1
iteration   17; sweep 2
iteration   17; sweep 3
iteration   17; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   18; sweep 1
iteration   18; sweep 2
iteration   18; sweep 3
```

```
iteration   18; sweep 4
accuracy OK in  97.92 % of wet grid points ( 99.50 % required)

iteration   19; sweep 1
iteration   19; sweep 2
iteration   19; sweep 3
iteration   19; sweep 4
accuracy OK in  97.92 % of wet grid points ( 99.50 % required)

iteration   20; sweep 1
iteration   20; sweep 2
iteration   20; sweep 3
iteration   20; sweep 4
accuracy OK in  95.84 % of wet grid points ( 99.50 % required)

iteration   21; sweep 1
iteration   21; sweep 2
iteration   21; sweep 3
iteration   21; sweep 4
accuracy OK in  95.14 % of wet grid points ( 99.50 % required)

iteration   22; sweep 1
iteration   22; sweep 2
iteration   22; sweep 3
iteration   22; sweep 4
accuracy OK in  97.92 % of wet grid points ( 99.50 % required)

iteration   23; sweep 1
iteration   23; sweep 2
iteration   23; sweep 3
iteration   23; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   24; sweep 1
iteration   24; sweep 2
iteration   24; sweep 3
iteration   24; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   25; sweep 1
iteration   25; sweep 2
iteration   25; sweep 3
iteration   25; sweep 4
accuracy OK in  99.31 % of wet grid points ( 99.50 % required)

iteration   26; sweep 1
iteration   26; sweep 2
iteration   26; sweep 3
iteration   26; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   27; sweep 1
iteration   27; sweep 2
iteration   27; sweep 3
iteration   27; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   28; sweep 1
iteration   28; sweep 2
iteration   28; sweep 3
iteration   28; sweep 4
accuracy OK in  99.31 % of wet grid points ( 99.50 % required)

iteration   29; sweep 1
iteration   29; sweep 2
iteration   29; sweep 3
iteration   29; sweep 4
accuracy OK in  98.62 % of wet grid points ( 99.50 % required)

iteration   30; sweep 1
iteration   30; sweep 2
iteration   30; sweep 3
iteration   30; 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. 2.54397 9.8678 10.0005 8.9554 0.000 31.5057 19.9800 0.000000
 1. 0. 2.54303 9.8679 10.0005 8.9552 0.000 31.4256 19.9000 -0.000029
 2. 0. 2.54211 9.8679 10.0005 8.9550 0.000 31.3459 19.8199 -0.000059
 3. 0. 2.54121 9.8680 10.0005 8.9548 0.000 31.2667 19.7399 -0.000089
 4. 0. 2.54032 9.8681 10.0005 8.9547 0.000 31.1883 19.6599 -0.000120
 5. 0. 2.53947 9.8682 10.0005 8.9546 0.000 31.1131 19.5798 -0.000150
 6. 0. 2.53863 9.8683 10.0005 8.9545 0.000 31.0489 19.4998 -0.000179
 7. 0. 2.53781 9.8684 10.0005 8.9544 0.000 30.9875 19.4198 -0.000209
 8. 0. 2.53700 9.8685 10.0005 8.9543 0.000 30.9269 19.3398 -0.000238
 9. 0. 2.53621 9.8686 10.0005 8.9543 0.000 30.8664 19.2597 -0.000269
 10. 0. 2.53544 9.8687 10.0005 8.9542 0.000 30.8064 19.1797 -0.000299
 11. 0. 2.53468 9.8688 10.0005 8.9542 0.000 30.7462 19.0997 -0.000330
 12. 0. 2.53389 9.8689 10.0005 8.9541 0.000 30.6832 19.0196 -0.000361
 13. 0. 2.53312 9.8690 10.0005 8.9542 0.000 30.6193 18.9296 -0.000397
 14. 0. 2.53237 9.8691 10.0005 8.9542 0.000 30.5578 18.8496 -0.000429
 15. 0. 2.53170 9.8692 10.0005 8.9543 0.000 30.4995 18.7695 -0.000461
 16. 0. 2.53124 9.8693 10.0005 8.9543 0.000 30.4546 18.6995 -0.000490
 17. 0. 2.53022 9.8694 10.0005 8.9537 0.000 30.3814 18.6695 -0.000502
 18. 0. 2.52880 9.8696 10.0005 8.9547 0.000 30.2524 18.4694 -0.000586
 19. 0. 2.52716 9.8700 10.0005 8.9557 0.000 30.1013 18.2593 -0.000678
 20. 0. 2.52551 9.8703 10.0005 8.9568 0.000 29.9423 18.0492 -0.000772
 21. 0. 2.52392 9.8706 10.0005 8.9580 0.000 29.7800 17.8391 -0.000870
 22. 0. 2.52241 9.8709 10.0005 8.9593 0.000 29.6157 17.6290 -0.000971
 23. 0. 2.52101 9.8712 10.0005 8.9607 0.000 29.4499 17.4189 -0.001077
 24. 0. 2.51972 9.8716 10.0005 8.9622 0.000 29.2829 17.2088 -0.001186
 25. 0. 2.51853 9.8719 10.0005 8.9638 0.000 29.1148 16.9987 -0.001299
 26. 0. 2.51742 9.8723 10.0005 8.9655 0.000 28.9434 16.7886 -0.001416
 27. 0. 2.51647 9.8726 10.0005 8.9675 0.000 28.7726 16.5685 -0.001543
 28. 0. 2.51560 9.8730 10.0005 8.9694 0.000 28.6077 16.3583 -0.001668
 29. 0. 2.51485 9.8734 10.0005 8.9715 0.000 28.4512 16.1482 -0.001796
 30. 0. 2.51419 9.8737 10.0005 8.9736 0.000 28.2966 15.9381 -0.001927
 31. 0. 2.51363 9.8741 10.0005 8.9758 0.000 28.1420 15.7279 -0.002063
 32. 0. 2.51317 9.8744 10.0005 8.9780 0.000 27.9858 15.5178 -0.002204
 33. 0. 2.51280 9.8748 10.0005 8.9804 0.000 27.8292 15.3077 -0.002350
 34. 0. 2.51253 9.8751 10.0005 8.9828 0.000 27.6701 15.0975 -0.002501
 35. 0. 2.51236 9.8755 10.0005 8.9854 0.000 27.5086 14.8873 -0.002658
 36. 0. 2.51231 9.8759 10.0005 8.9880 0.000 27.3454 14.6772 -0.002822
 37. 0. 2.51239 9.8763 10.0005 8.9906 0.000 27.1809 14.4670 -0.002991
 38. 0. 2.51257 9.8766 10.0005 8.9933 0.000 27.0138 14.2568 -0.003167
 39. 0. 2.51286 9.8770 10.0005 8.9962 0.000 26.8441 14.0467 -0.003350
 40. 0. 2.51326 9.8774 10.0005 8.9991 0.000 26.6718 13.8365 -0.003540
 41. 0. 2.51380 9.8778 10.0005 9.0021 0.000 26.4970 13.6263 -0.003737
 42. 0. 2.51447 9.8782 10.0005 9.0052 0.000 26.3203 13.4161 -0.003943
 43. 0. 2.51528 9.8786 10.0005 9.0083 0.000 26.1416 13.2058 -0.004157
 44. 0. 2.51624 9.8790 10.0005 9.0115 0.000 25.9603 12.9956 -0.004381
 45. 0. 2.51735 9.8794 10.0005 9.0147 0.000 25.7765 12.7854 -0.004613
 46. 0. 2.51864 9.8798 10.0005 9.0179 0.000 25.5908 12.5751 -0.004856
 47. 0. 2.52009 9.8802 10.0005 9.0212 0.000 25.4038 12.3649 -0.005109
 48. 0. 2.52173 9.8806 10.0005 9.0244 0.000 25.2170 12.1546 -0.005373
 49. 0. 2.52356 9.8810 10.0005 9.0275 0.000 25.0325 11.9444 -0.005647
 50. 0. 2.52560 9.8814 10.0005 9.0305 0.000 24.8507 11.7341 -0.005932
 51. 0. 2.52785 9.8818 10.0005 9.0334 0.000 24.6676 11.5238 -0.006231
 52. 0. 2.53035 9.8822 10.0005 9.0362 0.000 24.4883 11.3135 -0.006542
 53. 0. 2.53289 9.8826 10.0005 9.0384 0.000 24.3065 11.1131 -0.006853
 54. 0. 2.53586 9.8830 10.0005 9.0405 0.000 24.1190 10.9028 -0.007196
 55. 0. 2.53913 9.8834 10.0005 9.0423 0.000 23.9321 10.6924 -0.007555
 56. 0. 2.54245 9.8838 10.0005 9.0433 0.000 23.7424 10.4921 -0.007914
 57. 0. 2.54633 9.8842 10.0005 9.0440 0.000 23.5487 10.2817 -0.008311
 58. 0. 2.55028 9.8846 10.0005 9.0437 0.000 23.3516 10.0813 -0.008709
 59. 0. 2.55485 9.8851 10.0005 9.0429 0.000 23.1528 9.8709 -0.009149

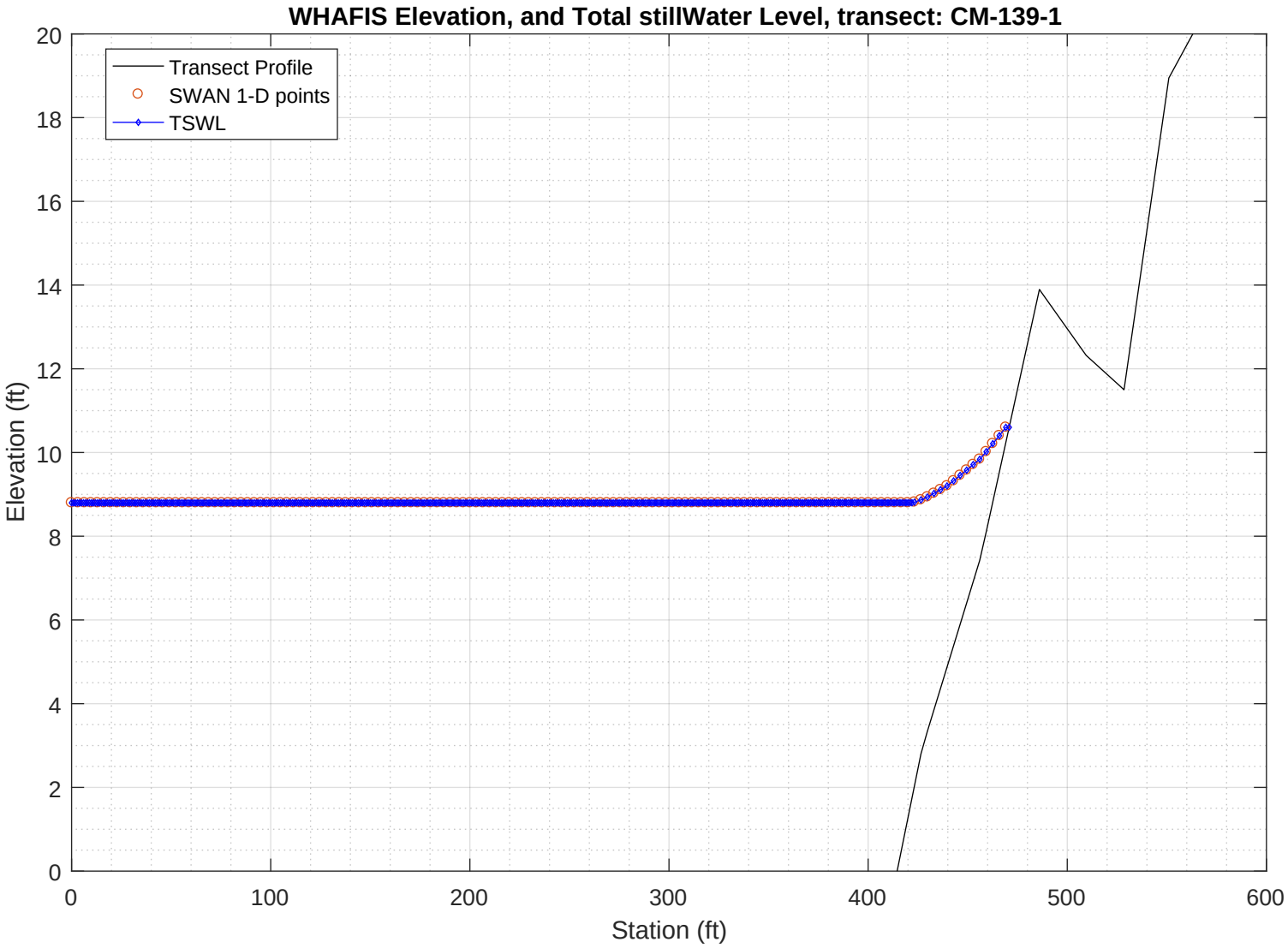
60.	0.	2.55953	9.8855	10.0005	9.0408	0.000	22.9505	9.6704	-0.009591
61.	0.	2.56487	9.8860	10.0005	9.0378	0.000	22.7404	9.4599	-0.010081
62.	0.	2.57071	9.8864	10.0005	9.0334	0.000	22.5282	9.2494	-0.010599
63.	0.	2.57670	9.8869	10.0005	9.0272	0.000	22.3127	9.0489	-0.011123
64.	0.	2.58356	9.8874	10.0005	9.0195	0.000	22.0937	8.8383	-0.011705
65.	0.	2.59061	9.8879	10.0005	9.0096	0.000	21.8714	8.6377	-0.012293
66.	0.	2.59862	9.8884	10.0005	8.9977	0.000	21.6450	8.4270	-0.012949
67.	0.	2.60687	9.8890	10.0005	8.9831	0.000	21.4155	8.2264	-0.013615
68.	0.	2.61619	9.8896	10.0005	8.9660	0.000	21.1852	8.0156	-0.014357
69.	0.	2.62603	9.8902	10.0005	8.9455	0.000	20.9792	7.8149	-0.015109
70.	0.	2.63430	9.8908	10.0005	8.9206	0.000	20.8356	7.6743	-0.015664
71.	0.	2.64006	9.8912	10.0005	8.8918	0.000	20.7364	7.6040	-0.015956
72.	0.	2.64608	9.8916	10.0005	8.8625	0.000	20.6546	7.5337	-0.016253
73.	0.	2.65174	9.8920	10.0005	8.8325	0.000	20.5786	7.4735	-0.016514
74.	0.	2.65789	9.8925	10.0005	8.8028	0.000	20.5013	7.4032	-0.016822
75.	0.	2.66408	9.8930	10.0005	8.7728	0.000	20.4240	7.3329	-0.017137
76.	0.	2.67031	9.8934	10.0005	8.7426	0.000	20.3458	7.2625	-0.017458
77.	0.	2.67656	9.8939	10.0005	8.7121	0.000	20.2670	7.1922	-0.017786
78.	0.	2.68285	9.8944	10.0005	8.6814	0.000	20.1875	7.1219	-0.018121
79.	0.	2.68914	9.8949	10.0005	8.6506	0.000	20.1073	7.0515	-0.018463
80.	0.	2.69545	9.8954	10.0005	8.6197	0.000	20.0265	6.9812	-0.018811
81.	0.	2.70176	9.8960	10.0005	8.5886	0.000	19.9451	6.9108	-0.019165
82.	0.	2.70816	9.8965	10.0005	8.5574	0.000	19.8751	6.8405	-0.019524
83.	0.	2.71317	9.8970	10.0005	8.5249	0.000	19.8246	6.8003	-0.019727
84.	0.	2.71769	9.8975	10.0005	8.4927	0.000	19.7879	6.7701	-0.019876
85.	0.	2.72165	9.8979	10.0005	8.4609	0.000	19.7598	6.7500	-0.019968
86.	0.	2.72552	9.8983	10.0005	8.4300	0.000	19.7345	6.7299	-0.020059
87.	0.	2.72922	9.8987	10.0005	8.4001	0.000	19.7066	6.7099	-0.020149
88.	0.	2.73328	9.8992	10.0005	8.3717	0.000	19.6773	6.6797	-0.020294
89.	0.	2.73675	9.8996	10.0005	8.3436	0.000	19.6519	6.6596	-0.020380
90.	0.	2.74006	9.9000	10.0005	8.3163	0.000	19.6240	6.6395	-0.020466
91.	0.	2.74373	9.9004	10.0005	8.2905	0.000	19.5947	6.6094	-0.020606
92.	0.	2.74681	9.9008	10.0005	8.2647	0.000	19.5695	6.5893	-0.020687
93.	0.	2.74978	9.9011	10.0005	8.2398	0.000	19.5455	6.5692	-0.020767
94.	0.	2.75259	9.9015	10.0005	8.2156	0.000	19.5181	6.5492	-0.020844
95.	0.	2.75575	9.9019	10.0005	8.1927	0.000	19.4893	6.5190	-0.020978
96.	0.	2.75834	9.9022	10.0005	8.1698	0.000	19.4642	6.4989	-0.021051
97.	0.	2.76079	9.9026	10.0005	8.1476	0.000	19.4367	6.4789	-0.021121
98.	0.	2.76359	9.9029	10.0005	8.1265	0.000	19.4078	6.4488	-0.021249
99.	0.	2.76582	9.9033	10.0005	8.1054	0.000	19.3828	6.4287	-0.021313
100.	0.	2.76794	9.9036	10.0005	8.0849	0.000	19.3591	6.4086	-0.021375
101.	0.	2.76991	9.9039	10.0005	8.0650	0.000	19.3320	6.3886	-0.021434
102.	0.	2.77224	9.9043	10.0005	8.0462	0.000	19.3034	6.3584	-0.021552
103.	0.	2.77399	9.9046	10.0005	8.0272	0.000	19.2787	6.3384	-0.021605
104.	0.	2.77560	9.9049	10.0005	8.0088	0.000	19.2513	6.3183	-0.021654
105.	0.	2.77757	9.9052	10.0005	7.9915	0.000	19.2227	6.2882	-0.021763
106.	0.	2.77861	9.9055	10.0005	7.9739	0.000	19.1596	6.2682	-0.021808
107.	0.	2.78393	9.9060	10.0005	7.9633	0.000	19.0341	6.1475	-0.022509
108.	0.	2.78992	9.9066	10.0005	7.9532	0.000	18.8741	6.0066	-0.023366
109.	0.	2.79624	9.9072	10.0005	7.9424	0.000	18.6988	5.8557	-0.024317
110.	0.	2.80180	9.9078	10.0005	7.9294	0.000	18.5198	5.7148	-0.025208
111.	0.	2.80696	9.9085	10.0005	7.9151	0.000	18.3318	5.5739	-0.026102
112.	0.	2.81222	9.9092	10.0005	7.9002	0.000	18.1367	5.4229	-0.027080
113.	0.	2.81618	9.9100	10.0005	7.8832	0.000	17.9382	5.2820	-0.027952
114.	0.	2.81995	9.9108	10.0005	7.8656	0.000	17.7349	5.1311	-0.028888
115.	0.	2.82200	9.9116	10.0005	7.8462	0.000	17.5308	4.9903	-0.029673
116.	0.	2.82276	9.9125	10.0005	7.8259	0.000	17.3187	4.8496	-0.030388
117.	0.	2.82274	9.9134	10.0005	7.8055	0.000	17.1007	4.6989	-0.031123
118.	0.	2.82001	9.9143	10.0005	7.7837	0.000	16.8581	4.5584	-0.031614
119.	0.	2.82042	9.9154	10.0005	7.7558	0.000	16.5606	4.3674	-0.032616
120.	0.	2.82169	9.9165	10.0005	7.7241	0.000	16.2219	4.1360	-0.033970
121.	0.	2.81912	9.9176	10.0005	7.6856	0.000	15.8543	3.9050	-0.034973
122.	0.	2.81074	9.9186	10.0005	7.6475	359.996	15.4762	3.6645	-0.035526
123.	0.	2.79290	9.9194	10.0005	7.6091	359.975	15.0912	3.4350	-0.034975
124.	0.	2.76793	9.9199	10.0005	7.5673	359.945	14.6951	3.1965	-0.033547
125.	0.	2.73412	9.9199	10.0005	7.5128	359.927	14.2893	2.9694	-0.030557
126.	0.	2.69137	9.9192	10.0005	7.4471	359.923	13.8571	2.7441	-0.025927

127.	0.	2.64072	9.9177	10.0005	7.3742	359.927	13.4078	2.5102	-0.019785
128.	0.	2.56326	9.9166	10.0005	7.3174	359.933	12.9804	2.2917	-0.008340
129.	0.	2.48257	9.9173	10.0005	7.2314	359.935	12.5808	2.0649	0.004932
130.	0.	2.39206	9.9205	10.0005	7.1326	359.887	12.2333	1.8513	0.021313
131.	0.	2.28972	9.9254	10.0005	6.9986	359.992	11.9787	1.7025	0.042500
132.	0.	2.16488	9.9320	10.0005	6.9079	0.034	11.7888	1.5790	0.068987
133.	0.	2.04010	9.9400	10.0005	6.8259	0.020	11.6175	1.4458	0.095810
134.	0.	1.91811	9.9488	10.0005	6.7269	0.025	11.4485	1.3231	0.123124
135.	0.	1.75548	9.9562	10.0005	6.7518	359.929	11.3710	1.1997	0.159654
136.	0.	1.58060	9.9627	10.0005	6.7828	359.725	11.3174	1.0798	0.199780
137.	0.	1.41663	9.9665	10.0005	6.8197	359.502	11.1457	0.9679	0.237869
138.	0.	1.24240	9.9694	10.0005	6.9424	359.155	10.9781	0.8487	0.278652
139.	0.	1.08035	9.9704	10.0005	7.0710	358.894	10.6710	0.7373	0.317308
140.	0.	0.85666	9.9723	10.0005	7.5145	358.928	11.1812	0.5822	0.372218
141.	0.	0.62583	12.5824	12.4477	8.1658	359.627	12.5288	0.4210	0.430988
142.	0.	0.40492	13.0189	12.4477	8.6048	0.317	14.2171	0.2691	0.489070
143.	0.	0.18003	13.9707	13.8874	9.5245	359.621	15.9380	0.1099	0.549868
144.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
145.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
146.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
147.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
148.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000

PART 3: WHAFIS

WHAFIS input: CM-139-1.dat
WHAFIS output: CM-139-1.out

PART 3 COMPLETE


WHAFIS Elevation, and Total stillWater Level, transect: CM-139-1
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

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)
Executed on: Thu Feb 20 14:57:37 2020
Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-139-1.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-139-1.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	-56.769	1.000	1.000	8.797	13.288	9.904	56.140	0.081	0.000
OF	1.000	-56.688	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	2.000	-56.607	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	3.000	-56.526	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	4.000	-56.445	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	5.000	-56.365	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	6.000	-56.284	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	7.000	-56.203	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	8.000	-56.122	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	9.000	-56.041	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	10.000	-55.961	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	11.000	-55.880	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	12.000	-55.799	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	13.000	-55.718	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	14.000	-55.637	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	15.000	-55.557	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	16.000	-55.476	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	17.000	-55.395	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	18.000	-55.314	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	19.000	-55.233	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	20.000	-55.153	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	21.000	-55.072	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	22.000	-54.991	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	23.000	-54.910	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	24.000	-54.830	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	25.000	-54.749	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	26.000	-54.668	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	27.000	-54.587	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	28.000	-54.507	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	29.000	-54.426	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	30.000	-54.345	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	31.000	-54.264	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	32.000	-54.183	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	33.000	-54.103	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	34.000	-54.022	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	35.000	-53.941	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	36.000	-53.860	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	37.000	-53.779	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	38.000	-53.699	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	39.000	-53.618	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	40.000	-53.537	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	41.000	-53.456	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	42.000	-53.375	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	43.000	-53.295	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	44.000	-53.214	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	45.000	-53.133	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	46.000	-53.052	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	47.000	-52.971	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	48.000	-52.891	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	49.000	-52.810	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	50.000	-52.729	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
OF	51.000	-52.648	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
OF	52.000	-52.568	0.000	8.797	0.000	0.000	0.000	0.000	0.060	0.000
OF	53.000	-52.529	0.000	8.797	0.000	0.000	0.000	0.000	0.025	0.000
OF	54.000	-52.517	0.000	8.797	0.000	0.000	0.000	0.000	0.012	0.000
OF	55.000	-52.505	0.000	8.797	0.000	0.000	0.000	0.000	0.043	0.000
OF	56.000	-52.430	0.000	8.797	0.000	0.000	0.000	0.000	0.143	0.000
OF	57.000	-52.219	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	58.000	-52.009	0.000	8.797	0.000	0.000	0.000	0.000	0.209	0.000
OF	59.000	-51.800	0.000	8.797	0.000	0.000	0.000	0.000	0.209	0.000
OF	60.000	-51.590	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	61.000	-51.379	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	62.000	-51.169	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	63.000	-50.959	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	64.000	-50.748	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	65.000	-50.538	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	66.000	-50.328	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	67.000	-50.118	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	68.000	-49.908	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	69.000	-49.698	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	70.000	-49.487	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	71.000	-49.277	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	72.000	-49.067	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	73.000	-48.857	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	74.000	-48.647	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	75.000	-48.437	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	76.000	-48.226	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	77.000	-48.016	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	78.000	-47.806	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	79.000	-47.596	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	80.000	-47.386	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	81.000	-47.176	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	82.000	-46.965	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	83.000	-46.755	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	84.000	-46.545	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	85.000	-46.334	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	86.000	-46.124	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	87.000	-45.914	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	88.000	-45.704	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	89.000	-45.494	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	90.000	-45.284	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	91.000	-45.073	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	92.000	-44.863	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000

OF	93.000	-44.653	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	94.000	-44.443	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	95.000	-44.233	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	96.000	-44.023	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	97.000	-43.813	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	98.000	-43.603	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	99.000	-43.393	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	100.000	-43.183	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	101.000	-42.972	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	102.000	-42.762	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	103.000	-42.552	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	104.000	-42.342	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	105.000	-42.132	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	106.000	-41.922	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	107.000	-41.711	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	108.000	-41.501	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	109.000	-41.291	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	110.000	-41.080	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	111.000	-40.870	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	112.000	-40.660	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	113.000	-40.450	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	114.000	-40.240	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	115.000	-40.030	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	116.000	-39.819	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	117.000	-39.609	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	118.000	-39.399	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	119.000	-39.189	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	120.000	-38.979	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	121.000	-38.769	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	122.000	-38.558	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	123.000	-38.348	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	124.000	-38.138	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	125.000	-37.928	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	126.000	-37.718	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	127.000	-37.508	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	128.000	-37.297	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	129.000	-37.087	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	130.000	-36.877	0.000	8.797	0.000	0.000	0.000	0.000	0.209	0.000
OF	131.000	-36.668	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	132.000	-36.457	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	133.000	-36.247	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	134.000	-36.037	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	135.000	-35.826	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	136.000	-35.616	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	137.000	-35.406	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	138.000	-35.196	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	139.000	-34.986	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	140.000	-34.776	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	141.000	-34.565	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	142.000	-34.355	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	143.000	-34.145	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	144.000	-33.935	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	145.000	-33.725	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	146.000	-33.515	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	147.000	-33.304	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	148.000	-33.094	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	149.000	-32.884	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	150.000	-32.674	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	151.000	-32.464	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	152.000	-32.254	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	153.000	-32.043	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	154.000	-31.833	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	155.000	-31.623	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	156.000	-31.413	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	157.000	-31.203	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	158.000	-30.992	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	159.000	-30.782	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	160.000	-30.572	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	161.000	-30.362	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	162.000	-30.151	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
OF	163.000	-29.941	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	164.000	-29.731	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	165.000	-29.521	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	166.000	-29.311	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	167.000	-29.101	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	168.000	-28.891	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	169.000	-28.681	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
OF	170.000	-28.471	0.000	8.797	0.000	0.000	0.000	0.000	0.208	0.000
OF	171.000	-28.264	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	172.000	-28.059	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	173.000	-27.853	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	174.000	-27.647	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	175.000	-27.442	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	176.000	-27.236	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	177.000	-27.030	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	178.000	-26.825	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	179.000	-26.619	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	180.000	-26.414	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	181.000	-26.208	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	182.000	-26.002	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	183.000	-25.796	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	184.000	-25.590	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	185.000	-25.385	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	186.000	-25.179	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	187.000	-24.974	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	188.000	-24.768	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	189.000	-24.562	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	190.000	-24.357	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	191.000	-24.151	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	192.000	-23.945	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	193.000	-23.740	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	194.000	-23.534	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000

OF	195.000	-23.328	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	196.000	-23.123	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	197.000	-22.917	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	198.000	-22.711	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	199.000	-22.506	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	200.000	-22.300	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	201.000	-22.095	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	202.000	-21.889	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	203.000	-21.683	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	204.000	-21.478	0.000	8.797	0.000	0.000	0.000	0.000	0.205	0.000
OF	205.000	-21.273	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	206.000	-21.066	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	207.000	-20.861	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	208.000	-20.655	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	209.000	-20.450	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	210.000	-20.244	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	211.000	-20.038	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	212.000	-19.833	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	213.000	-19.627	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	214.000	-19.421	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	215.000	-19.216	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	216.000	-19.010	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	217.000	-18.804	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	218.000	-18.599	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	219.000	-18.393	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	220.000	-18.188	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	221.000	-17.982	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	222.000	-17.776	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	223.000	-17.571	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	224.000	-17.365	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	225.000	-17.159	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	226.000	-16.954	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
OF	227.000	-16.748	0.000	8.797	0.000	0.000	0.000	0.000	0.200	0.000
OF	228.000	-16.553	0.000	8.797	0.000	0.000	0.000	0.000	0.132	0.000
OF	229.000	-16.484	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	230.000	-16.415	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	231.000	-16.346	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	232.000	-16.277	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	233.000	-16.208	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	234.000	-16.139	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	235.000	-16.070	0.000	8.797	0.000	0.000	0.000	0.000	0.068	0.000
OF	236.000	-16.002	0.000	8.797	0.000	0.000	0.000	0.000	0.068	0.000
OF	237.000	-15.933	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	238.000	-15.864	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	239.000	-15.795	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	240.000	-15.726	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	241.000	-15.657	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	242.000	-15.588	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	243.000	-15.519	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	244.000	-15.450	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	245.000	-15.381	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	246.000	-15.312	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	247.000	-15.243	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	248.000	-15.174	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	249.000	-15.105	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	250.000	-15.036	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	251.000	-14.967	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	252.000	-14.898	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	253.000	-14.829	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	254.000	-14.760	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	255.000	-14.691	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	256.000	-14.622	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	257.000	-14.553	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	258.000	-14.484	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	259.000	-14.415	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	260.000	-14.346	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	261.000	-14.277	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	262.000	-14.208	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	263.000	-14.139	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	264.000	-14.070	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	265.000	-14.001	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	266.000	-13.932	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	267.000	-13.863	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	268.000	-13.794	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	269.000	-13.725	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
OF	270.000	-13.656	0.000	8.797	0.000	0.000	0.000	0.000	0.063	0.000
OF	271.000	-13.599	0.000	8.797	0.000	0.000	0.000	0.000	0.040	0.000
OF	272.000	-13.577	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
OF	273.000	-13.554	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
OF	274.000	-13.531	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
OF	275.000	-13.508	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
OF	276.000	-13.485	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
OF	277.000	-13.462	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	278.000	-13.439	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	279.000	-13.417	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	280.000	-13.394	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	281.000	-13.371	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	282.000	-13.348	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	283.000	-13.325	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	284.000	-13.303	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	285.000	-13.280	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	286.000	-13.257	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	287.000	-13.234	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	288.000	-13.211	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	289.000	-13.188	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	290.000	-13.166	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	291.000	-13.143	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	292.000	-13.120	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	293.000	-13.097	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	294.000	-13.074	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	295.000	-13.051	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	296.000	-13.028	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000

OF	297.000	-13.006	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	298.000	-12.983	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	299.000	-12.960	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	300.000	-12.937	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	301.000	-12.914	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	302.000	-12.891	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	303.000	-12.868	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	304.000	-12.846	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
OF	305.000	-12.823	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	306.000	-12.800	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	307.000	-12.777	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	308.000	-12.754	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	309.000	-12.731	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	310.000	-12.708	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	311.000	-12.686	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	312.000	-12.663	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	313.000	-12.640	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	314.000	-12.617	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	315.000	-12.594	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	316.000	-12.571	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	317.000	-12.548	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	318.000	-12.525	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	319.000	-12.502	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	320.000	-12.480	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	321.000	-12.457	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	322.000	-12.434	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	323.000	-12.411	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	324.000	-12.388	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	325.000	-12.365	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	326.000	-12.342	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	327.000	-12.319	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	328.000	-12.296	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	329.000	-12.273	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	330.000	-12.251	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	331.000	-12.228	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	332.000	-12.205	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	333.000	-12.182	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	334.000	-12.159	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	335.000	-12.136	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	336.000	-12.113	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	337.000	-12.090	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	338.000	-12.067	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	339.000	-12.044	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	340.000	-12.022	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	341.000	-11.999	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	342.000	-11.976	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	343.000	-11.953	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	344.000	-11.930	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	345.000	-11.907	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	346.000	-11.884	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	347.000	-11.861	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
OF	348.000	-11.838	0.000	8.799	0.000	0.000	0.000	0.000	0.056	0.000
OF	349.000	-11.749	0.000	8.799	0.000	0.000	0.000	0.000	0.116	0.000
OF	350.000	-11.605	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
OF	351.000	-11.461	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
OF	352.000	-11.317	0.000	8.799	0.000	0.000	0.000	0.000	0.145	0.000
OF	353.000	-11.172	0.000	8.799	0.000	0.000	0.000	0.000	0.145	0.000
OF	354.000	-11.028	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
OF	355.000	-10.884	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
OF	356.000	-10.740	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
OF	357.000	-10.596	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	358.000	-10.452	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	359.000	-10.308	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	360.000	-10.164	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	361.000	-10.020	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	362.000	-9.876	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	363.000	-9.732	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	364.000	-9.587	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	365.000	-9.443	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	366.000	-9.299	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	367.000	-9.155	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	368.000	-9.010	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	369.000	-8.866	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	370.000	-8.722	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	371.000	-8.578	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	372.000	-8.434	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	373.000	-8.290	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	374.000	-8.145	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	375.000	-8.001	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	376.000	-7.857	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	377.000	-7.713	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	378.000	-7.569	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	379.000	-7.424	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	380.000	-7.280	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	381.000	-7.136	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	382.000	-6.992	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	383.000	-6.848	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	384.000	-6.704	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	385.000	-6.560	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	386.000	-6.415	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	387.000	-6.271	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	388.000	-6.127	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
OF	389.000	-5.983	0.000	8.800	0.000	0.000	0.000	0.000	0.188	0.000
OF	390.000	-5.751	0.000	8.800	0.000	0.000	0.000	0.000	0.233	0.000
OF	391.000	-5.516	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	392.000	-5.282	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	393.000	-5.048	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	394.000	-4.814	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	395.000	-4.580	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	396.000	-4.346	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	397.000	-4.112	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	398.000	-3.878	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000

OF	399.000	-3.644	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	400.000	-3.410	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	401.000	-3.176	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	402.000	-2.941	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	403.000	-2.707	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	404.000	-2.473	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	405.000	-2.239	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	406.000	-2.005	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	407.000	-1.771	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	408.000	-1.536	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	409.000	-1.302	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	410.000	-1.068	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	411.000	-0.834	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	412.000	-0.600	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	413.000	-0.365	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
OF	414.000	-0.131	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	415.000	0.103	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	416.000	0.337	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	417.000	0.571	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	418.000	0.806	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	419.000	1.040	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	420.000	1.274	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	421.000	1.508	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
IF	422.000	1.742	0.000	8.800	0.000	0.000	0.000	0.000	0.237	0.000
IF	423.200	2.030	0.000	8.814	0.000	0.000	0.000	0.000	0.235	0.000
IF	426.500	2.798	0.000	8.867	0.000	0.000	0.000	0.000	0.199	0.000
IF	429.800	3.346	0.000	8.937	0.000	0.000	0.000	0.000	0.160	0.000
IF	433.100	3.856	0.000	9.024	0.000	0.000	0.000	0.000	0.154	0.000
IF	436.400	4.366	0.000	9.112	0.000	0.000	0.000	0.000	0.157	0.000
IF	439.600	4.876	0.000	9.201	0.000	0.000	0.000	0.000	0.157	0.000
IF	442.900	5.385	0.000	9.321	0.000	0.000	0.000	0.000	0.154	0.000
IF	446.200	5.895	0.000	9.453	0.000	0.000	0.000	0.000	0.154	0.000
IF	449.500	6.405	0.000	9.578	0.000	0.000	0.000	0.000	0.154	0.000
IF	452.800	6.915	0.000	9.712	0.000	0.000	0.000	0.000	0.157	0.000
IF	456.000	7.425	0.000	9.838	0.000	0.000	0.000	0.000	0.184	0.000
IF	459.300	8.108	0.000	10.019	0.000	0.000	0.000	0.000	0.211	0.000
IF	462.600	8.819	0.000	10.211	0.000	0.000	0.000	0.000	0.216	0.000
IF	465.900	9.531	0.000	10.402	0.000	0.000	0.000	0.000	0.216	0.000
IF	469.200	10.242	0.000	10.601	0.000	0.000	0.000	0.000	0.219	0.000
IF	470.800	10.601	0.000	10.601	0.000	0.000	0.000	0.000	0.225	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	-56.769	1.000	1.000	8.797	13.288	9.904	56.140	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1.000	-56.688	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2.000	-56.607	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	3.000	-56.526	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	4.000	-56.445	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	5.000	-56.365	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	6.000	-56.284	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	7.000	-56.203	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	8.000	-56.122	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	9.000	-56.041	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	10.000	-55.961	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	11.000	-55.880	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	12.000	-55.799	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	13.000	-55.718	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	14.000	-55.637	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	15.000	-55.557	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	16.000	-55.476	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	17.000	-55.395	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	18.000	-55.314	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	19.000	-55.233	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	20.000	-55.153	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	21.000	-55.072	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	22.000	-54.991	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	23.000	-54.910	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	24.000	-54.830	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	25.000	-54.749	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	26.000	-54.668	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	27.000	-54.587	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	28.000	-54.507	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	29.000	-54.426	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	30.000	-54.345	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	31.000	-54.264	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	32.000	-54.183	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	33.000	-54.103	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	34.000	-54.022	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	35.000	-53.941	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	36.000	-53.860	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	37.000	-53.779	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	38.000	-53.699	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	39.000	-53.618	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	40.000	-53.537	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	41.000	-53.456	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	42.000	-53.375	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	43.000	-53.295	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	44.000	-53.214	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	45.000	-53.133	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	46.000	-53.052	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	47.000	-52.971	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	48.000	-52.891	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	49.000	-52.810	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	50.000	-52.729	0.000	8.797	0.000	0.000	0.000	0.000	0.081	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	51.000	-52.648	0.000	8.797	0.000	0.000	0.000	0.000	0.080	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	52.000	-52.568	0.000	8.797	0.000	0.000	0.000	0.000	0.060	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	53.000	-52.529	0.000	8.797	0.000	0.000	0.000	0.000	0.025	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	54.000	-52.517	0.000	8.797	0.000	0.000	0.000	0.000	0.012	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	55.000	-52.505	0.000	8.797	0.000	0.000	0.000	0.000	0.043	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	56.000	-52.430	0.000	8.797	0.000	0.000	0.000	0.000	0.143	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	57.000	-52.219	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	58.000	-52.009	0.000	8.797	0.000	0.000	0.000	0.000	0.209	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	59.000	-51.800	0.000	8.797	0.000	0.000	0.000	0.000	0.209	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	60.000	-51.590	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	61.000	-51.379	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	62.000	-51.169	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	63.000	-50.959	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	64.000	-50.748	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	65.000	-50.538	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	66.000	-50.328	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	67.000	-50.118	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	68.000	-49.908	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	69.000	-49.698	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	70.000	-49.487	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	71.000	-49.277	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	72.000	-49.067	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	73.000	-48.857	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	74.000	-48.647	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	75.000	-48.437	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	76.000	-48.226	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	77.000	-48.016	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	78.000	-47.806	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	79.000	-47.596	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	80.000	-47.386	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	81.000	-47.176	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	82.000	-46.965	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	83.000	-46.755	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	84.000	-46.545	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	85.000	-46.334	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	86.000	-46.124	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	87.000	-45.914	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	88.000	-45.704	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	89.000	-45.494	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	90.000	-45.284	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	91.000	-45.073	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	92.000	-44.863	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	93.000	-44.653	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	94.000	-44.443	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	95.000	-44.233	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	96.000	-44.023	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	97.000	-43.813	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	98.000	-43.603	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	99.000	-43.393	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	100.000	-43.183	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	101.000	-42.972	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	102.000	-42.762	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	103.000	-42.552	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	104.000	-42.342	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	105.000	-42.132	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	106.000	-41.922	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	107.000	-41.711	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	108.000	-41.501	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	109.000	-41.291	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	110.000	-41.080	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	111.000	-40.870	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	112.000	-40.660	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	113.000	-40.450	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	114.000	-40.240	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	115.000	-40.030	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	116.000	-39.819	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	117.000	-39.609	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	118.000	-39.399	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	119.000	-39.189	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	120.000	-38.979	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	121.000	-38.769	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	122.000	-38.558	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	123.000	-38.348	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	124.000	-38.138	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	125.000	-37.928	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	126.000	-37.718	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	127.000	-37.508	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	128.000	-37.297	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	129.000	-37.087	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	130.000	-36.877	0.000	8.797	0.000	0.000	0.000	0.000	0.209	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	131.000	-36.668	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	132.000	-36.457	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	133.000	-36.247	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	134.000	-36.037	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	135.000	-35.826	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	136.000	-35.616	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	137.000	-35.406	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	138.000	-35.196	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	139.000	-34.986	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	140.000	-34.776	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	141.000	-34.565	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	142.000	-34.355	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	143.000	-34.145	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	144.000	-33.935	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	145.000	-33.725	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	146.000	-33.515	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	147.000	-33.304	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	148.000	-33.094	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	149.000	-32.884	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	150.000	-32.674	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	151.000	-32.464	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	152.000	-32.254	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	153.000	-32.043	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	154.000	-31.833	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	155.000	-31.623	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	156.000	-31.413	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	157.000	-31.203	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	158.000	-30.992	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	159.000	-30.782	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	160.000	-30.572	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	161.000	-30.362	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	162.000	-30.151	0.000	8.797	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	163.000	-29.941	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	164.000	-29.731	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	165.000	-29.521	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	166.000	-29.311	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	167.000	-29.101	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	168.000	-28.891	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	169.000	-28.681	0.000	8.797	0.000	0.000	0.000	0.000	0.210	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	170.000	-28.471	0.000	8.797	0.000	0.000	0.000	0.000	0.208	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	171.000	-28.264	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	172.000	-28.059	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	173.000	-27.853	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	174.000	-27.647	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	175.000	-27.442	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	176.000	-27.236	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	177.000	-27.030	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	178.000	-26.825	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	179.000	-26.619	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	180.000	-26.414	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	181.000	-26.208	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	182.000	-26.002	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	183.000	-25.796	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	184.000	-25.590	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	185.000	-25.385	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	186.000	-25.179	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	187.000	-24.974	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	188.000	-24.768	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	189.000	-24.562	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	190.000	-24.357	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	191.000	-24.151	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	192.000	-23.945	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	193.000	-23.740	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	194.000	-23.534	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	195.000	-23.328	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	196.000	-23.123	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	197.000	-22.917	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	198.000	-22.711	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	199.000	-22.506	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	200.000	-22.300	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	201.000	-22.095	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	202.000	-21.889	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	203.000	-21.683	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	204.000	-21.478	0.000	8.797	0.000	0.000	0.000	0.000	0.205	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	205.000	-21.273	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	206.000	-21.066	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	207.000	-20.861	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	208.000	-20.655	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	209.000	-20.450	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	210.000	-20.244	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	211.000	-20.038	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	212.000	-19.833	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	213.000	-19.627	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	214.000	-19.421	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	215.000	-19.216	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	216.000	-19.010	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	217.000	-18.804	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	218.000	-18.599	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	219.000	-18.393	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	220.000	-18.188	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	221.000	-17.982	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	222.000	-17.776	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	223.000	-17.571	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	224.000	-17.365	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	225.000	-17.159	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	226.000	-16.954	0.000	8.797	0.000	0.000	0.000	0.000	0.206	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	227.000	-16.748	0.000	8.797	0.000	0.000	0.000	0.000	0.200	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	228.000	-16.553	0.000	8.797	0.000	0.000	0.000	0.000	0.132	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	229.000	-16.484	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	230.000	-16.415	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	231.000	-16.346	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	232.000	-16.277	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	233.000	-16.208	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	234.000	-16.139	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	235.000	-16.070	0.000	8.797	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	236.000	-16.002	0.000	8.797	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	237.000	-15.933	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	238.000	-15.864	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	239.000	-15.795	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	240.000	-15.726	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	241.000	-15.657	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	242.000	-15.588	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	243.000	-15.519	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	244.000	-15.450	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	245.000	-15.381	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	246.000	-15.312	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	247.000	-15.243	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	248.000	-15.174	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	249.000	-15.105	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	250.000	-15.036	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	251.000	-14.967	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	252.000	-14.898	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	253.000	-14.829	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	254.000	-14.760	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	255.000	-14.691	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	256.000	-14.622	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	257.000	-14.553	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	258.000	-14.484	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	259.000	-14.415	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	260.000	-14.346	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	261.000	-14.277	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	262.000	-14.208	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	263.000	-14.139	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	264.000	-14.070	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	265.000	-14.001	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	266.000	-13.932	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	267.000	-13.863	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	268.000	-13.794	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	269.000	-13.725	0.000	8.797	0.000	0.000	0.000	0.000	0.069	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	270.000	-13.656	0.000	8.797	0.000	0.000	0.000	0.000	0.063	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	271.000	-13.599	0.000	8.797	0.000	0.000	0.000	0.000	0.040	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	272.000	-13.577	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	273.000	-13.554	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	274.000	-13.531	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	275.000	-13.508	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	276.000	-13.485	0.000	8.797	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	277.000	-13.462	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	278.000	-13.439	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	279.000	-13.417	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	280.000	-13.394	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	281.000	-13.371	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	282.000	-13.348	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	283.000	-13.325	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	284.000	-13.303	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	285.000	-13.280	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	286.000	-13.257	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	287.000	-13.234	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	288.000	-13.211	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	289.000	-13.188	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	290.000	-13.166	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	291.000	-13.143	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	292.000	-13.120	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	293.000	-13.097	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	294.000	-13.074	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	295.000	-13.051	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	296.000	-13.028	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	297.000	-13.006	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	298.000	-12.983	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	299.000	-12.960	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	300.000	-12.937	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	301.000	-12.914	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	302.000	-12.891	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	303.000	-12.868	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	304.000	-12.846	0.000	8.798	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	305.000	-12.823	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	306.000	-12.800	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	307.000	-12.777	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	308.000	-12.754	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	309.000	-12.731	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	310.000	-12.708	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	311.000	-12.686	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	312.000	-12.663	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	313.000	-12.640	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	314.000	-12.617	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	315.000	-12.594	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	316.000	-12.571	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	317.000	-12.548	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	318.000	-12.525	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	319.000	-12.502	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	320.000	-12.480	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	321.000	-12.457	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	322.000	-12.434	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	323.000	-12.411	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	324.000	-12.388	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	325.000	-12.365	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	326.000	-12.342	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	327.000	-12.319	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	328.000	-12.296	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	329.000	-12.273	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	330.000	-12.251	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	331.000	-12.228	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	332.000	-12.205	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	333.000	-12.182	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	334.000	-12.159	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	335.000	-12.136	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	336.000	-12.113	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	337.000	-12.090	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	338.000	-12.067	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	339.000	-12.044	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	340.000	-12.022	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	341.000	-11.999	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	342.000	-11.976	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	343.000	-11.953	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	344.000	-11.930	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	345.000	-11.907	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	346.000	-11.884	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	347.000	-11.861	0.000	8.799	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	348.000	-11.838	0.000	8.799	0.000	0.000	0.000	0.000	0.056	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	349.000	-11.749	0.000	8.799	0.000	0.000	0.000	0.000	0.116	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	350.000	-11.605	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	351.000	-11.461	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	352.000	-11.317	0.000	8.799	0.000	0.000	0.000	0.000	0.145	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	353.000	-11.172	0.000	8.799	0.000	0.000	0.000	0.000	0.145	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	354.000	-11.028	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	355.000	-10.884	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	356.000	-10.740	0.000	8.799	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	357.000	-10.596	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	358.000	-10.452	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	359.000	-10.308	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000

	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	360.000	-10.164	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	361.000	-10.020	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	362.000	-9.876	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	363.000	-9.732	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	364.000	-9.587	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	365.000	-9.443	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	366.000	-9.299	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	367.000	-9.155	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	368.000	-9.010	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	369.000	-8.866	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	370.000	-8.722	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	371.000	-8.578	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	372.000	-8.434	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	373.000	-8.290	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	374.000	-8.145	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	375.000	-8.001	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	376.000	-7.857	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	377.000	-7.713	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	378.000	-7.569	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	379.000	-7.424	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	380.000	-7.280	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	381.000	-7.136	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	382.000	-6.992	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	383.000	-6.848	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	384.000	-6.704	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	385.000	-6.560	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	386.000	-6.415	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	387.000	-6.271	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	388.000	-6.127	0.000	8.800	0.000	0.000	0.000	0.000	0.144	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	389.000	-5.983	0.000	8.800	0.000	0.000	0.000	0.000	0.188	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	390.000	-5.751	0.000	8.800	0.000	0.000	0.000	0.000	0.233	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	391.000	-5.516	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	392.000	-5.282	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	393.000	-5.048	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	394.000	-4.814	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	395.000	-4.580	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	396.000	-4.346	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	397.000	-4.112	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	398.000	-3.878	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	399.000	-3.644	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	400.000	-3.410	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	401.000	-3.176	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	402.000	-2.941	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	403.000	-2.707	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	404.000	-2.473	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	405.000	-2.239	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	406.000	-2.005	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	407.000	-1.771	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	408.000	-1.536	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	409.000	-1.302	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	410.000	-1.068	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	411.000	-0.834	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	412.000	-0.600	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	413.000	-0.365	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	414.000	-0.131	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	415.000	0.103	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	416.000	0.337	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	417.000	0.571	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	418.000	0.806	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	419.000	1.040	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	420.000	1.274	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	421.000	1.508	0.000	8.800	0.000	0.000	0.000	0.000	0.234	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	422.000	1.742	0.000	8.800	0.000	0.000	0.000	0.000	0.237	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	423.200	2.030	0.000	8.814	0.000	0.000	0.000	0.000	0.235	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	426.500	2.798	0.000	8.867	0.000	0.000	0.000	0.000	0.199	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	429.800	3.346	0.000	8.937	0.000	0.000	0.000	0.000	0.160	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	433.100	3.856	0.000	9.024	0.000	0.000	0.000	0.000	0.154	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	436.400	4.366	0.000	9.112	0.000	0.000	0.000	0.000	0.157	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	439.600	4.876	0.000	9.201	0.000	0.000	0.000	0.000	0.157	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	442.900	5.385	0.000	9.321	0.000	0.000	0.000	0.000	0.154	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	446.200	5.895	0.000	9.453	0.000	0.000	0.000	0.000	0.154	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	449.500	6.405	0.000	9.578	0.000	0.000	0.000	0.000	0.154	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	452.800	6.915	0.000	9.712	0.000	0.000	0.000	0.000	0.157	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	456.000	7.425	0.000	9.838	0.000	0.000	0.000	0.000	0.184	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	459.300	8.108	0.000	10.019	0.000	0.000	0.000	0.000	0.211	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	462.600	8.819	0.000	10.211	0.000	0.000	0.000	0.000	0.216	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	465.900	9.531	0.000	10.402	0.000	0.000	0.000	0.000	0.216	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	469.200	10.242	0.000	10.601	0.000	0.000	0.000	0.000	0.219	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	470.800	10.601	0.000	10.601	0.000	0.000	0.000	0.000	0.225	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	13.29	9.90	18.10
OF	1.00	13.29	9.90	18.10
OF	2.00	13.29	9.90	18.10
OF	3.00	13.29	9.90	18.10
OF	4.00	13.29	9.90	18.10
OF	5.00	13.29	9.90	18.10
OF	6.00	13.30	9.90	18.10
OF	7.00	13.30	9.90	18.11
OF	8.00	13.30	9.90	18.11
OF	9.00	13.30	9.90	18.11
OF	10.00	13.30	9.90	18.11
OF	11.00	13.30	9.90	18.11
OF	12.00	13.30	9.90	18.11
OF	13.00	13.31	9.90	18.11
OF	14.00	13.31	9.90	18.11
OF	15.00	13.31	9.90	18.11
OF	16.00	13.31	9.90	18.11
OF	17.00	13.31	9.90	18.12
OF	18.00	13.31	9.90	18.12
OF	19.00	13.31	9.90	18.12
OF	20.00	13.32	9.90	18.12
OF	21.00	13.32	9.90	18.12
OF	22.00	13.32	9.90	18.12
OF	23.00	13.32	9.90	18.12
OF	24.00	13.32	9.90	18.12
OF	25.00	13.32	9.90	18.12
OF	26.00	13.33	9.90	18.12
OF	27.00	13.33	9.90	18.13
OF	28.00	13.33	9.90	18.13
OF	29.00	13.33	9.90	18.13
OF	30.00	13.33	9.90	18.13
OF	31.00	13.33	9.90	18.13
OF	32.00	13.33	9.90	18.13
OF	33.00	13.34	9.90	18.13
OF	34.00	13.34	9.90	18.13
OF	35.00	13.34	9.90	18.13
OF	36.00	13.34	9.90	18.14
OF	37.00	13.34	9.90	18.14
OF	38.00	13.34	9.90	18.14
OF	39.00	13.35	9.90	18.14
OF	40.00	13.35	9.90	18.14
OF	41.00	13.35	9.90	18.14
OF	42.00	13.35	9.90	18.14
OF	43.00	13.35	9.90	18.14
OF	44.00	13.35	9.90	18.14
OF	45.00	13.36	9.90	18.15
OF	46.00	13.36	9.90	18.15
OF	47.00	13.36	9.90	18.15
OF	48.00	13.36	9.90	18.15
OF	49.00	13.36	9.90	18.15
OF	50.00	13.36	9.90	18.15
OF	51.00	13.37	9.90	18.15
OF	52.00	13.37	9.90	18.15
OF	53.00	13.37	9.90	18.16
OF	54.00	13.37	9.90	18.16
OF	55.00	13.37	9.90	18.16
OF	56.00	13.37	9.90	18.16
OF	57.00	13.38	9.90	18.16
OF	58.00	13.38	9.90	18.16
OF	59.00	13.38	9.90	18.17
OF	60.00	13.39	9.90	18.17

OF	61.00	13.39	9.90	18.17
OF	62.00	13.40	9.90	18.18
OF	63.00	13.40	9.90	18.18
OF	64.00	13.41	9.90	18.18
OF	65.00	13.41	9.90	18.19
OF	66.00	13.42	9.90	18.19
OF	67.00	13.42	9.90	18.19
OF	68.00	13.43	9.90	18.20
OF	69.00	13.43	9.90	18.20
OF	70.00	13.44	9.90	18.20
OF	71.00	13.44	9.90	18.21
OF	72.00	13.45	9.90	18.21
OF	73.00	13.46	9.90	18.22
OF	74.00	13.46	9.90	18.22
OF	75.00	13.47	9.90	18.22
OF	76.00	13.47	9.90	18.23
OF	77.00	13.48	9.90	18.23
OF	78.00	13.48	9.90	18.24
OF	79.00	13.49	9.90	18.24
OF	80.00	13.50	9.90	18.24
OF	81.00	13.50	9.90	18.25
OF	82.00	13.51	9.90	18.25
OF	83.00	13.51	9.90	18.26
OF	84.00	13.52	9.90	18.26
OF	85.00	13.53	9.90	18.27
OF	86.00	13.53	9.90	18.27
OF	87.00	13.54	9.90	18.28
OF	88.00	13.55	9.90	18.28
OF	89.00	13.55	9.90	18.28
OF	90.00	13.56	9.90	18.29
OF	91.00	13.57	9.90	18.29
OF	92.00	13.57	9.90	18.30
OF	93.00	13.58	9.90	18.30
OF	94.00	13.59	9.90	18.31
OF	95.00	13.60	9.90	18.31
OF	96.00	13.60	9.90	18.32
OF	97.00	13.61	9.90	18.32
OF	98.00	13.62	9.90	18.33
OF	99.00	13.62	9.90	18.33
OF	100.00	13.63	9.91	18.34
OF	101.00	13.64	9.91	18.35
OF	102.00	13.65	9.91	18.35
OF	103.00	13.66	9.91	18.36
OF	104.00	13.66	9.91	18.36
OF	105.00	13.67	9.91	18.37
OF	106.00	13.68	9.91	18.37
OF	107.00	13.69	9.91	18.38
OF	108.00	13.70	9.91	18.38
OF	109.00	13.70	9.91	18.39
OF	110.00	13.71	9.91	18.40
OF	111.00	13.72	9.91	18.40
OF	112.00	13.73	9.91	18.41
OF	113.00	13.74	9.91	18.41
OF	114.00	13.75	9.91	18.42
OF	115.00	13.76	9.91	18.43
OF	116.00	13.77	9.91	18.43
OF	117.00	13.78	9.91	18.44
OF	118.00	13.79	9.91	18.45
OF	119.00	13.79	9.91	18.45
OF	120.00	13.80	9.91	18.46
OF	121.00	13.81	9.91	18.47
OF	122.00	13.82	9.91	18.47
OF	123.00	13.83	9.91	18.48
OF	124.00	13.84	9.91	18.49
OF	125.00	13.85	9.91	18.49
OF	126.00	13.86	9.91	18.50
OF	127.00	13.87	9.91	18.51
OF	128.00	13.88	9.91	18.52
OF	129.00	13.89	9.91	18.52
OF	130.00	13.91	9.91	18.53
OF	131.00	13.92	9.91	18.54
OF	132.00	13.93	9.91	18.55
OF	133.00	13.94	9.91	18.55
OF	134.00	13.95	9.91	18.56
OF	135.00	13.96	9.91	18.57
OF	136.00	13.97	9.91	18.58
OF	137.00	13.98	9.91	18.59
OF	138.00	14.00	9.91	18.59
OF	139.00	14.01	9.91	18.60
OF	140.00	14.02	9.91	18.61
OF	141.00	14.03	9.91	18.62
OF	142.00	14.04	9.91	18.63
OF	143.00	14.06	9.91	18.64
OF	144.00	14.07	9.91	18.64
OF	145.00	14.08	9.91	18.65
OF	146.00	14.09	9.91	18.66
OF	147.00	14.11	9.91	18.67
OF	148.00	14.12	9.91	18.68
OF	149.00	14.13	9.91	18.69
OF	150.00	14.15	9.91	18.70
OF	151.00	14.16	9.91	18.71
OF	152.00	14.17	9.91	18.72
OF	153.00	14.19	9.91	18.73
OF	154.00	14.20	9.91	18.74
OF	155.00	14.21	9.91	18.75
OF	156.00	14.23	9.91	18.76
OF	157.00	14.24	9.91	18.77
OF	158.00	14.26	9.91	18.78
OF	159.00	14.27	9.91	18.79
OF	160.00	14.29	9.91	18.80
OF	161.00	14.30	9.91	18.81
OF	162.00	14.32	9.91	18.82

OF	163.00	14.33	9.91	18.83
OF	164.00	14.35	9.91	18.84
OF	165.00	14.37	9.91	18.85
OF	166.00	14.38	9.91	18.86
OF	167.00	14.40	9.91	18.88
OF	168.00	14.41	9.91	18.89
OF	169.00	14.43	9.91	18.90
OF	170.00	14.45	9.91	18.91
OF	171.00	14.46	9.91	18.92
OF	172.00	14.48	9.91	18.93
OF	173.00	14.50	9.91	18.95
OF	174.00	14.51	9.91	18.96
OF	175.00	14.53	9.91	18.97
OF	176.00	14.55	9.91	18.98
OF	177.00	14.57	9.91	18.99
OF	178.00	14.59	9.91	19.01
OF	179.00	14.60	9.91	19.02
OF	180.00	14.62	9.91	19.03
OF	181.00	14.64	9.91	19.05
OF	182.00	14.66	9.91	19.06
OF	183.00	14.68	9.91	19.07
OF	184.00	14.70	9.91	19.09
OF	185.00	14.72	9.91	19.10
OF	186.00	14.74	9.91	19.11
OF	187.00	14.76	9.91	19.13
OF	188.00	14.78	9.91	19.14
OF	189.00	14.80	9.91	19.16
OF	190.00	14.82	9.91	19.17
OF	191.00	14.84	9.91	19.18
OF	192.00	14.86	9.91	19.20
OF	193.00	14.88	9.91	19.21
OF	194.00	14.90	9.91	19.23
OF	195.00	14.93	9.91	19.24
OF	196.00	14.95	9.91	19.26
OF	197.00	14.97	9.91	19.28
OF	198.00	14.99	9.91	19.29
OF	199.00	15.02	9.91	19.31
OF	200.00	15.04	9.91	19.32
OF	201.00	15.06	9.91	19.34
OF	202.00	15.09	9.91	19.36
OF	203.00	15.11	9.91	19.38
OF	204.00	15.14	9.91	19.39
OF	205.00	15.16	9.91	19.41
OF	206.00	15.19	9.91	19.43
OF	207.00	15.21	9.91	19.45
OF	208.00	15.24	9.91	19.46
OF	209.00	15.26	9.91	19.48
OF	210.00	15.29	9.91	19.50
OF	211.00	15.32	9.91	19.52
OF	212.00	15.35	9.91	19.54
OF	213.00	15.37	9.91	19.56
OF	214.00	15.40	9.91	19.58
OF	215.00	15.43	9.91	19.60
OF	216.00	15.46	9.91	19.62
OF	217.00	15.49	9.91	19.64
OF	218.00	15.52	9.91	19.66
OF	219.00	15.55	9.91	19.68
OF	220.00	15.58	9.91	19.70
OF	221.00	15.61	9.91	19.72
OF	222.00	15.64	9.91	19.74
OF	223.00	15.67	9.91	19.77
OF	224.00	15.70	9.91	19.79
OF	225.00	15.70	9.91	19.78
OF	226.00	15.67	9.91	19.77
OF	227.00	15.64	9.91	19.75
OF	228.00	15.61	9.91	19.73
OF	229.00	15.61	9.91	19.72
OF	230.00	15.60	9.91	19.72
OF	231.00	15.59	9.91	19.71
OF	232.00	15.58	9.91	19.71
OF	233.00	15.58	9.91	19.70
OF	234.00	15.57	9.91	19.70
OF	235.00	15.56	9.91	19.69
OF	236.00	15.55	9.91	19.69
OF	237.00	15.55	9.91	19.68
OF	238.00	15.54	9.91	19.67
OF	239.00	15.53	9.91	19.67
OF	240.00	15.52	9.91	19.66
OF	241.00	15.52	9.91	19.66
OF	242.00	15.51	9.91	19.65
OF	243.00	15.50	9.91	19.65
OF	244.00	15.49	9.91	19.64
OF	245.00	15.48	9.91	19.64
OF	246.00	15.47	9.91	19.63
OF	247.00	15.47	9.91	19.62
OF	248.00	15.46	9.91	19.62
OF	249.00	15.45	9.91	19.61
OF	250.00	15.44	9.91	19.61
OF	251.00	15.43	9.91	19.60
OF	252.00	15.42	9.91	19.59
OF	253.00	15.42	9.91	19.59
OF	254.00	15.41	9.91	19.58
OF	255.00	15.40	9.91	19.58
OF	256.00	15.39	9.91	19.57
OF	257.00	15.38	9.91	19.56
OF	258.00	15.37	9.91	19.56
OF	259.00	15.36	9.91	19.55
OF	260.00	15.35	9.91	19.55
OF	261.00	15.35	9.91	19.54
OF	262.00	15.34	9.91	19.53
OF	263.00	15.33	9.91	19.53
OF	264.00	15.32	9.91	19.52

OF	265.00	15.31	9.91	19.51
OF	266.00	15.30	9.91	19.51
OF	267.00	15.29	9.91	19.50
OF	268.00	15.28	9.91	19.49
OF	269.00	15.27	9.91	19.49
OF	270.00	15.26	9.91	19.48
OF	271.00	15.25	9.91	19.48
OF	272.00	15.25	9.91	19.47
OF	273.00	15.25	9.91	19.47
OF	274.00	15.25	9.91	19.47
OF	275.00	15.25	9.91	19.47
OF	276.00	15.25	9.91	19.47
OF	277.00	15.25	9.91	19.47
OF	278.00	15.25	9.91	19.47
OF	279.00	15.25	9.91	19.47
OF	280.00	15.25	9.91	19.47
OF	281.00	15.24	9.91	19.47
OF	282.00	15.24	9.91	19.47
OF	283.00	15.24	9.91	19.47
OF	284.00	15.24	9.91	19.47
OF	285.00	15.24	9.91	19.47
OF	286.00	15.24	9.91	19.47
OF	287.00	15.24	9.91	19.46
OF	288.00	15.24	9.91	19.46
OF	289.00	15.24	9.91	19.46
OF	290.00	15.24	9.91	19.46
OF	291.00	15.23	9.91	19.46
OF	292.00	15.23	9.91	19.46
OF	293.00	15.23	9.91	19.46
OF	294.00	15.23	9.91	19.46
OF	295.00	15.23	9.91	19.46
OF	296.00	15.23	9.91	19.46
OF	297.00	15.23	9.91	19.46
OF	298.00	15.23	9.91	19.46
OF	299.00	15.23	9.91	19.46
OF	300.00	15.22	9.91	19.45
OF	301.00	15.22	9.91	19.45
OF	302.00	15.22	9.91	19.45
OF	303.00	15.22	9.91	19.45
OF	304.00	15.22	9.91	19.45
OF	305.00	15.23	9.91	19.46
OF	306.00	15.23	9.91	19.46
OF	307.00	15.23	9.91	19.46
OF	308.00	15.24	9.91	19.46
OF	309.00	15.24	9.91	19.47
OF	310.00	15.24	9.91	19.47
OF	311.00	15.24	9.91	19.47
OF	312.00	15.25	9.91	19.47
OF	313.00	15.25	9.91	19.47
OF	314.00	15.25	9.91	19.48
OF	315.00	15.26	9.91	19.48
OF	316.00	15.26	9.91	19.48
OF	317.00	15.26	9.91	19.48
OF	318.00	15.27	9.91	19.49
OF	319.00	15.27	9.91	19.49
OF	320.00	15.27	9.91	19.49
OF	321.00	15.28	9.91	19.49
OF	322.00	15.28	9.91	19.49
OF	323.00	15.28	9.91	19.50
OF	324.00	15.29	9.91	19.50
OF	325.00	15.29	9.91	19.50
OF	326.00	15.29	9.91	19.50
OF	327.00	15.30	9.91	19.51
OF	328.00	15.30	9.91	19.51
OF	329.00	15.30	9.91	19.51
OF	330.00	15.30	9.91	19.51
OF	331.00	15.31	9.91	19.51
OF	332.00	15.31	9.91	19.52
OF	333.00	15.31	9.91	19.52
OF	334.00	15.32	9.91	19.52
OF	335.00	15.31	9.91	19.52
OF	336.00	15.30	9.91	19.51
OF	337.00	15.28	9.91	19.50
OF	338.00	15.26	9.91	19.48
OF	339.00	15.25	9.91	19.47
OF	340.00	15.23	9.91	19.46
OF	341.00	15.22	9.91	19.45
OF	342.00	15.20	9.91	19.44
OF	343.00	15.19	9.91	19.43
OF	344.00	15.17	9.91	19.42
OF	345.00	15.16	9.91	19.41
OF	346.00	15.14	9.91	19.40
OF	347.00	15.12	9.91	19.39
OF	348.00	15.11	9.91	19.37
OF	349.00	15.05	9.91	19.33
OF	350.00	14.95	9.91	19.26
OF	351.00	14.85	9.91	19.19
OF	352.00	14.75	9.91	19.12
OF	353.00	14.65	9.91	19.05
OF	354.00	14.55	9.91	18.98
OF	355.00	14.45	9.91	18.92
OF	356.00	14.35	9.91	18.85
OF	357.00	14.25	9.91	18.78
OF	358.00	14.15	9.91	18.71
OF	359.00	14.05	9.91	18.64
OF	360.00	13.95	9.91	18.57
OF	361.00	13.85	9.91	18.50
OF	362.00	13.75	9.91	18.43
OF	363.00	13.65	9.91	18.36
OF	364.00	13.55	9.91	18.29
OF	365.00	13.45	9.91	18.22
OF	366.00	13.35	9.91	18.15

OF	367.00	13.25	9.91	18.08
OF	368.00	13.15	9.91	18.01
OF	369.00	13.05	9.91	17.94
OF	370.00	12.95	9.91	17.87
OF	371.00	12.85	9.91	17.79
OF	372.00	12.75	9.91	17.72
OF	373.00	12.65	9.91	17.65
OF	374.00	12.55	9.91	17.58
OF	375.00	12.44	9.91	17.51
OF	376.00	12.34	9.91	17.44
OF	377.00	12.24	9.91	17.37
OF	378.00	12.14	9.91	17.30
OF	379.00	12.04	9.91	17.23
OF	380.00	11.94	9.91	17.16
OF	381.00	11.84	9.91	17.08
OF	382.00	11.73	9.91	17.01
OF	383.00	11.63	9.91	16.94
OF	384.00	11.53	9.91	16.87
OF	385.00	11.43	9.91	16.80
OF	386.00	11.32	9.91	16.73
OF	387.00	11.22	9.91	16.66
OF	388.00	11.12	9.91	16.58
OF	389.00	11.02	9.91	16.51
OF	390.00	10.85	9.91	16.40
OF	391.00	10.68	9.91	16.28
OF	392.00	10.52	9.91	16.16
OF	393.00	10.35	9.91	16.05
OF	394.00	10.18	9.91	15.93
OF	395.00	10.01	9.91	15.81
OF	396.00	9.85	9.91	15.69
OF	397.00	9.68	9.91	15.57
OF	398.00	9.51	9.91	15.46
OF	399.00	9.34	9.91	15.34
OF	400.00	9.17	9.91	15.22
OF	401.00	9.00	9.91	15.10
OF	402.00	8.83	9.91	14.98
OF	403.00	8.66	9.91	14.86
OF	404.00	8.49	9.91	14.74
OF	405.00	8.32	9.91	14.63
OF	406.00	8.15	9.91	14.51
OF	407.00	7.98	9.91	14.39
OF	408.00	7.81	9.91	14.27
OF	409.00	7.64	9.91	14.15
OF	410.00	7.47	9.91	14.03
OF	411.00	7.29	9.91	13.91
OF	412.00	7.12	9.91	13.79
OF	413.00	6.95	9.91	13.66
OF	414.00	6.78	9.91	13.54
IF	415.00	6.60	9.91	13.42
IF	416.00	6.43	9.91	13.30
IF	417.00	6.26	9.91	13.18
IF	418.00	6.08	9.91	13.06
IF	419.00	5.91	9.91	12.94
IF	420.00	5.73	9.91	12.81
IF	421.00	5.56	9.91	12.69
IF	422.00	5.39	9.91	12.57
IF	423.20	5.18	9.91	12.44
IF	426.50	4.65	9.91	12.12
IF	429.80	4.29	9.91	11.94
IF	433.10	3.97	9.91	11.80
IF	436.40	3.65	9.91	11.67
IF	439.60	3.33	9.91	11.53
IF	442.90	3.03	9.91	11.44
IF	446.20	2.74	9.91	11.37
IF	449.50	2.45	9.91	11.29
IF	452.80	2.16	9.91	11.23
IF	456.00	1.87	9.91	11.15
IF	459.30	1.48	9.91	11.06
IF	462.60	1.08	9.91	10.97
IF	465.90	0.68	9.91	10.88
IF	469.20	0.28	9.91	10.80
IF	470.80	0.01	9.91	10.61

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
277.00	1.00	8.80
305.00	1.00	8.80
357.00	1.00	8.80
423.20	1.00	8.81
426.50	1.00	8.87
429.80	1.00	8.94
433.10	1.00	9.02
436.40	1.00	9.11
439.60	1.00	9.20
442.90	1.00	9.32
446.20	1.00	9.45
449.50	1.00	9.58
452.80	1.00	9.71
456.00	1.00	9.84
459.30	1.00	10.02
462.60	1.00	10.21
465.90	1.00	10.40
469.20	1.00	10.60

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
443.27	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

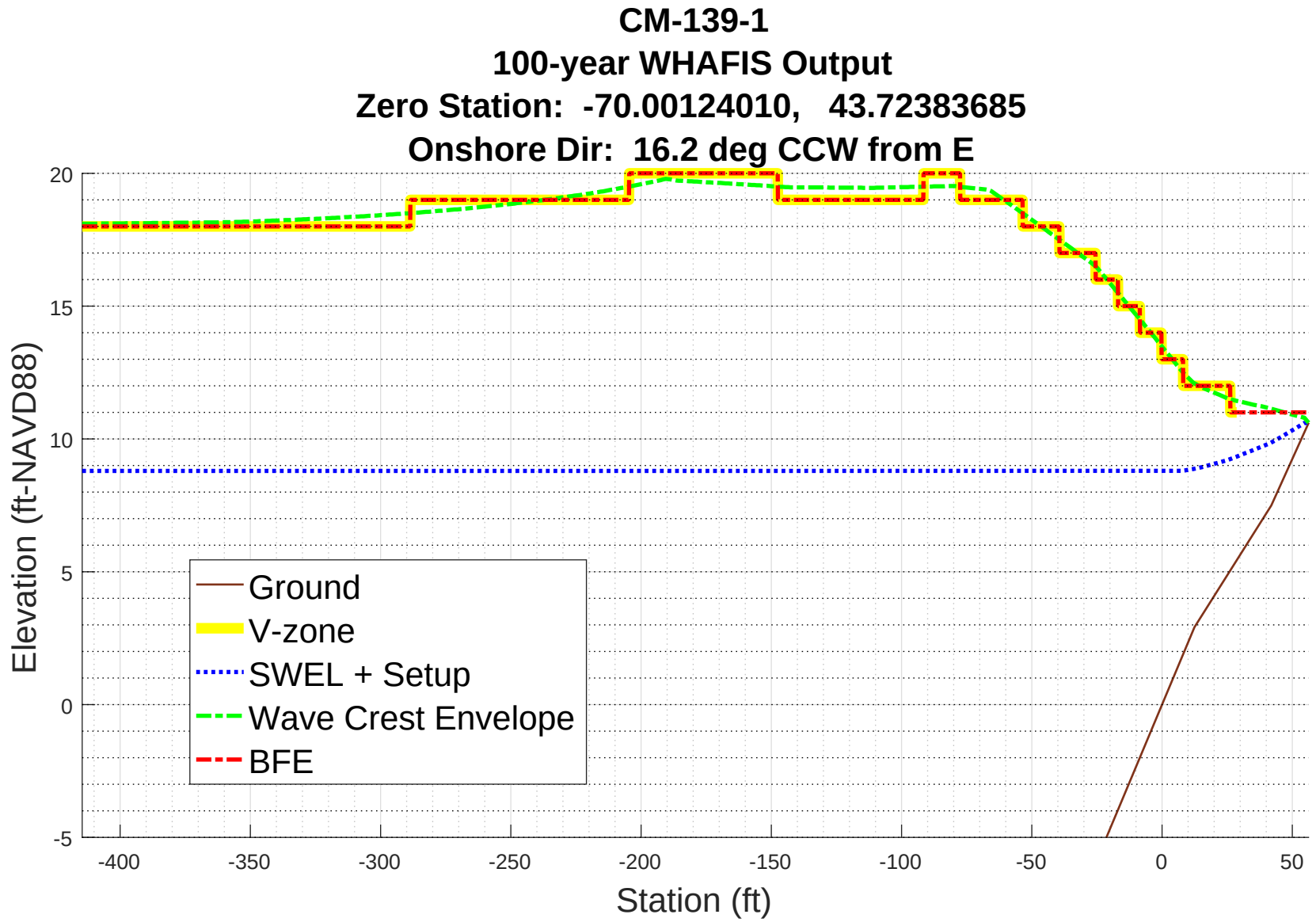
STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
0.00	18.10		
		V22 EL=18	120
125.79	18.50		

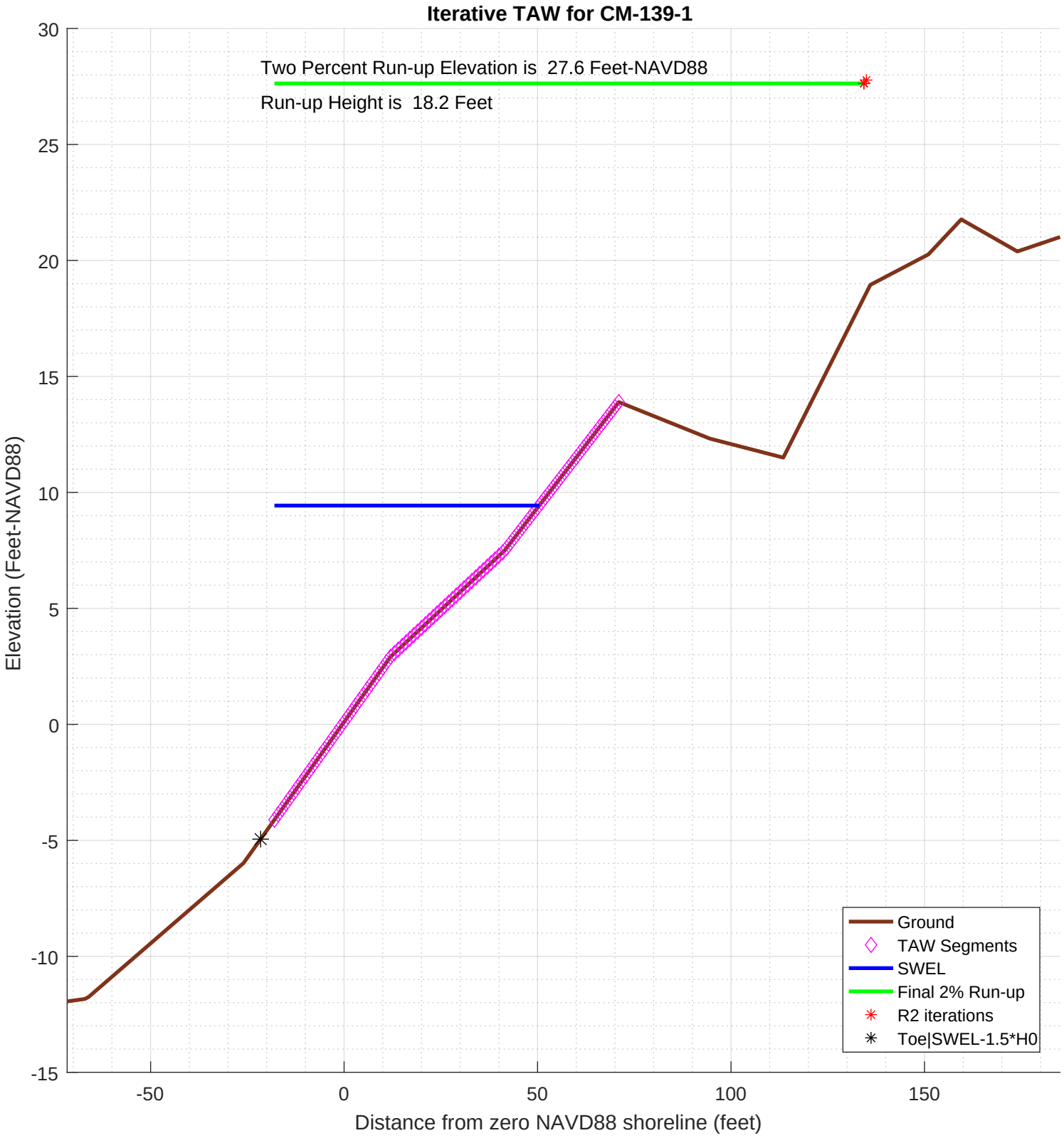
		V22	EL=19	120
209.97	19.50			
		V22	EL=20	120
267.02	19.50			
		V22	EL=19	120
276.00	19.47			
		V22	EL=19	120
277.00	19.47			
		V22	EL=19	120
304.00	19.45			
		V22	EL=19	120
305.00	19.46			
		V22	EL=19	120
324.41	19.50			
		V22	EL=20	120
336.57	19.50			
		V22	EL=19	120
356.00	18.85			
		V22	EL=19	120
357.00	18.78			
		V22	EL=19	120
360.97	18.50			
		V22	EL=18	120
375.16	17.50			
		V22	EL=17	120
389.11	16.50			
		V22	EL=16	120
397.63	15.50			
		V22	EL=15	120
406.05	14.50			
		V22	EL=14	120
414.36	13.50			
		V22	EL=13	120
422.00	12.57			
		V22	EL=13	120
422.65	12.50			
		V22	EL=12	120
423.20	12.44			
		V22	EL=12	120
426.50	12.12			
		V22	EL=12	120
429.80	11.94			
		V22	EL=12	120
433.10	11.80			
		V23	EL=12	130
436.40	11.67			
		V23	EL=12	130
439.60	11.53			
		V23	EL=12	130
440.77	11.50			
		V23	EL=11	130
442.90	11.44			
		V23	EL=11	130
443.27	11.49			
		A20	EL=11	100
446.20	11.37			
		A20	EL=11	100
449.50	11.29			
		A20	EL=11	100
452.80	11.23			
		A20	EL=11	100
456.00	11.15			
		A20	EL=11	100
459.30	11.06			
		A20	EL=11	100
462.60	10.97			
		A20	EL=11	100
465.90	10.88			
		A20	EL=11	100
469.20	10.80			
		A20	EL=11	100
470.80	10.61			

ZONE TERMINATED AT END OF TRANSECT
PART 7 POSTSCRIPT NOTES

PS# 1 START(419233.5619,4841652.4412)
PS# 2 END(419424.0627,4841707.9578)

-1.000000e+00


CM-139-1
100-year WHAFIS Output
Zero Station: -70.00124010, 43.72383685
Onshore Dir: 16.2 deg CCW from E
Elevation (ft-NAVD88)
Station (ft)
20
15
10
5
0
-5
-400
-350
-300
-250
-200
-150
-100
-50
0
50
Ground
V-zone
SWEL + Setup
Wave Crest Envelope
BFE


Iterative TAW for CM-139-1
Two Percent Run-up Elevation is 27.6 Feet-NAVD88
Run-up Height is 18.2 Feet
Elevation (Feet-NAVD88)
Distance from zero NAVD88 shoreline (feet)
30
25
20
15
10
5
0
-5
-10
-15
-50
0
50
100
150
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-139-1
% 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-139-1sta_ele_include.csv';   % file with station, elevation, include
                                        % third colunm is 0 for excluded points
imgname='logfiles/CM-139-1-runup';
SWEL=8.7974;  % 100-yr still water level including wave setup.
H0=9.1162;    % significant wave height at toe of structure
Tp=9.9055;    % peak period, 1/fma,
T0=Tp/1.1;

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

setupAtToe=-0.071548;
maxSetup=1.804;   % only used in case of berm/shallow foreshore weighted average

plotTitle='Iterative TAW for CM-139-1'

plotTitle =

Iterative TAW for CM-139-1



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

SWEL=SWEL+setupAtToe

SWEL =

                  8.725852

SWEL_fore=SWEL+maxSetup

SWEL_fore =

                 10.529852



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

L0 =

          414.923987801381


% 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 =

                -4.948448


% 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 =

                22.400152


% 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 =

         -21.5741922258949

% 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

top_sta =

          110.220889108171


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

top_sta =

          110.220889108171

toe_sta

toe_sta =

         -21.5741922258949




% 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 123.5 ft landward of toe of slope


ans =

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


ans =

-!!-       setup is adjusted to 0.63 feet


ans =

-!!-       SWEL is adjusted to 9.43 feet


k =

     1
     2
     3
     4
     5
     6
     7
     8
     9
    10
    11
    12
    13
    14
    15
    16
    17
    18
    19
    20
    21
    22
    23
    24
    25
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    43
    44
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    46
    47
    48
    49
    50



% 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 =
                -4.948448
toe_sta =
         -21.5741922258949
top_sta =
          110.220889108171
Z2 =
                22.400152
H0 =
                   9.1162
Tp =
                   9.9055
T0 =
                    9.005
R2 =
                  27.3486
Z2 =
          36.7795831525375
top_sta =
          176.525576050692
Lslope =
          198.099768276587
ans =
!------- End Berm Factor Calculation, Iter: 1 ---------!
berm_width =
     0
rB =
     0
rdh_mean =
     1
gamma_berm =
     1
slope =
        0.210641494008599
Irb =
          1.42108899326213
gamma_berm =
     1
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                       0.8
gamma =
                       0.8
ans =
!!! - - Iribaren number:   1.42 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.7 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          18.3441829762128
R2del =
          9.00441702378723
Z2 =
          27.7751661287503
ans =
!----------------- STARTING ITERATION 2 -----------------!
Ztoe =
                -4.948448
toe_sta =
         -21.5741922258949
top_sta =
          135.005501610421
Z2 =
          27.7751661287503
H0 =
                   9.1162
Tp =
                   9.9055
T0 =
                    9.005
R2 =
          18.3441829762128
Z2 =
          27.7751661287503
top_sta =
          135.005501610421
Lslope =
          156.579693836316
ans =
!------- End Berm Factor Calculation, Iter: 2 ---------!
berm_width =
     0
```

```
rB =
     0
rdh_mean =
     1
gamma_berm =
     1
slope =
         0.208990152726692
Irb =
          1.40994824945531
gamma_berm =
     1
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                       0.8
gamma =
                       0.8
ans =
!!! - - Iribaren number:   1.41 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.8 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          18.2003722480652
R2del =
         0.143810728147567
Z2 =
          27.6313554006027
ans =
!----------------- STARTING ITERATION 3 -----------------!
Ztoe =
                -4.948448
toe_sta =
         -21.5741922258949
top_sta =
          134.342379042661
Z2 =
          27.6313554006027
H0 =
                    9.1162
Tp =
                    9.9055
T0 =
                     9.005
R2 =
          18.2003722480652
Z2 =
          27.6313554006027
top_sta =
          134.342379042661
Lslope =
          155.916571268556
ans =
!------- End Berm Factor Calculation, Iter: 3 ---------!
berm_width =
     0
rB =
     0
rdh_mean =
     1
gamma_berm =
     1
slope =
         0.208956643514731
Irb =
          1.40972218016865
gamma_berm =
     1
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                       0.8
gamma =
                       0.8
ans =
!!! - - Iribaren number:   1.41 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.8 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          18.1974540238165
R2del =
       0.00291822424871313
Z2 =
           27.628437176354
% final 2% runup elevation
Z2=R2_new+SWEL
```

```
Z2 =
          27.628437176354
diary off
-1.000000e+00
-1.000000e+00
```

_____
PART 5: RUNUP2

for transect: CM-139-1

Station locations shifted by: -0.44 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input

_____RUNUP2 INPUT CONVERSIONS_____
for transect: CM-139-1

Incident significant wave height: 8.30 feet

Peak wave period: 9.90 seconds

Mean wave height: 5.20 feet

Local Depth below SWEL: 65.57 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 = 65.57
Period, T = 8.42
Waveheight, H = 5.20
Deep water wavelength, L0 (ft)
L0 = g*T*T/twopi
L0 = 32.17*8.42*8.42/6.28 = 362.87
Deep water wave celerity, C0 (ft/s)
C0 = L0/T
C0 = 362.87/8.42 = 43.11
Angular frequency, sigma (rad/s)
sigma = twopi/T
sigma = 6.28/8.42 = 0.75
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
y = sigma.*sigma.*D./g
y = 0.75*0.75*65.57/32.17 = 1.14
C1H = sqrt(g.*D./(y+1./(1 + 0.6522.*y + 0.4622.*y.^2 + 0.0864.*y.^4 +0.0675.*y.^5)))
C1H = 37.27
Shoaling Coefficient KsH
KsH = sqrt(C0/C1H)
KsH = sqrt(43.11/37.27) = 1.08
Deepwater Wave Height H0_H (ft)
H0_H = H/KsH
H0_H = 5.20/1.08 = 4.83

Deepwater mean wave height: 4.83 feet

_____END RUNUP2 CONVERSIONS_____

_____RUNUP2 RESULTS_____
for transect: CM-139-1

RUNUP2 SWEL:
8.80
8.80
8.80
8.80

8.80
8.80
8.80
8.80
8.80

RUNUP2 deepwater mean wave heights:
4.59
4.59
4.59
4.83
4.83
4.83
5.08
5.08
5.08

RUNUP2 mean wave periods:
8.00
8.42
8.84
8.00
8.42
8.84
8.00
8.42
8.84

RUNUP2 runup above SWEL:
6.02
6.41
6.83
6.24
6.65
7.07
6.46
6.91
7.32

RUNUP2 Mean runup height above SWEL: 6.66 feet

RUNUP2 2-percent runup height above SWEL: 14.64 feet

RUNUP2 2-percent runup elevation: 23.44 feet-NAVD88

RUNUP2 Messages:
No Messages

_____END RUNUP2 RESULTS_____

_____ACES BEACH RUNUP_____

Incident significant wave height: 8.30 feet

Significant wave height deshoaled using Hunt equation

Deepwater significant wave height: 6.77 feet

Peak wave period: 9.90 seconds

Average beach Slope: 1:6.88 (H:V)

ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'

ACES Beach 2-percent runup height above SWEL: 14.77 feet

ACES Beach 2-percent runup elevation: 23.57 feet-NAVD88

ACES BEACH RUNUP is valid

_____________END ACES BEACH RESULTS____________________

PART 5 COMPLETE____

```
  FEMA                                                  sjh            job 2
  RUNUP2 transect: CM-139-1                                               1
5.00
  -56.77 -414.6 0.8
  -52.57 -362.6 0.8
  -52.53 -361.6 0.8
  -52.51 -359.6 0.8
  -52.43 -358.6 0.8
  -41.08 -304.6 0.8
  -28.47 -244.6 0.8
  -26.00 -232.6 0.8
  -16.75 -187.6 0.8
  -16.55 -186.6 0.8
  -13.66 -144.6 0.8
  -13.60 -143.6 0.8
  -12.78 -107.6 0.8
  -11.84 -66.6  0.8
  -11.75 -65.6  0.8
  -5.98 -25.6  0.8
  -4.11 -17.6  0.8
  2.91  12.4   0.8
  7.50  41.9   0.8
1 13.89 71.4   0.8
 8.8   4.59  8.00
 8.8   4.59  8.42
 8.8   4.59  8.84
 8.8   4.83  8.00
 8.8   4.83  8.42
 8.8   4.83  8.84
 8.8   5.08  8.00
 8.8   5.08  8.42
 8.8   5.08  8.84
```

****

CROSS SECTION PROFILE

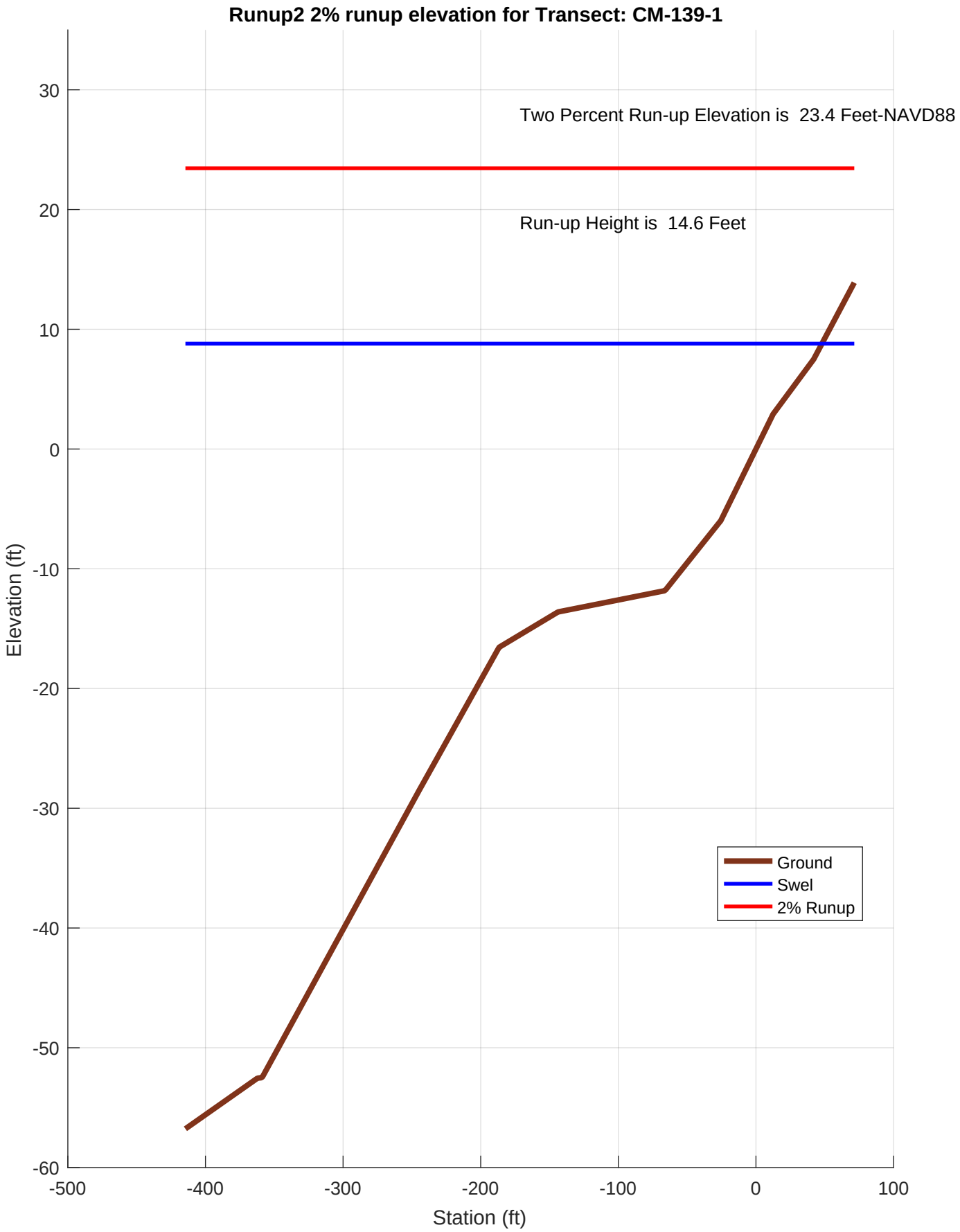
	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-414.0	-56.7		
			.00	.80
2	-362.0	-52.5		
			FLAT	.80
3	-361.0	-52.5		
			FLAT	.80
4	-359.0	-52.5		
			10.00	.80
5	-358.0	-52.4		
			4.74	.80
6	-304.0	-41.0		
			4.76	.80
7	-244.0	-28.4		
			5.00	.80
8	-232.0	-26.0		
			4.84	.80
9	-187.0	-16.7		
			5.00	.80
10	-186.0	-16.5		
			14.48	.80
11	-144.0	-13.6		
			FLAT	.80
12	-143.0	-13.6		
			40.00	.80
13	-107.0	-12.7		
			44.89	.80
14	-66.6	-11.8		
			10.00	.80
15	-65.6	-11.7		
			6.99	.80
16	-25.6	-6.0		
			4.28	.80
17	-17.6	-4.1		
			4.27	.80
18	12.4	2.9		
			6.43	.80
19	41.9	7.5		
			4.62	.80
20	71.4	13.9		

LAST SLOPE 5.00 LAST ROUGHNESS .80

****

OUTPUT TABLE

INPUT PARAMETERS			RUNUP RESULTS			
WATER LEVEL ABOVE DATUM (FT.)	DEEP WATER WAVE HEIGHT (FT.)	WAVE PERIOD (SEC.)	BREAKING SLOPE NUMBER	RUNUP SLOPE NUMBER	RUNUP ABOVE WATER LEVEL (FT.)	BREAKER DEPTH (FT.)
8.80	4.59	8.00	11	20	6.02	6.96
8.80	4.59	8.42	11	20	6.41	7.08
8.80	4.59	8.84	11	20	6.83	7.19
8.80	4.83	8.00	11	20	6.24	7.27
8.80	4.83	8.42	11	20	6.65	7.38
8.80	4.83	8.84	11	20	7.07	7.50
8.80	5.08	8.00	11	20	6.46	7.59
8.80	5.08	8.42	11	20	6.91	7.71
8.80	5.08	8.84	11	20	7.32	7.83


Runup2 2% runup elevation for Transect: CM-139-1
Two Percent Run-up Elevation is 23.4 Feet-NAVD88
Run-up Height is 14.6 Feet
Ground
Swel
2% Runup
Elevation (ft)
Station (ft)
30
20
10
0
-10
-20
-30
-40
-50
-60
-500
-400
-300
-200
-100
0
100