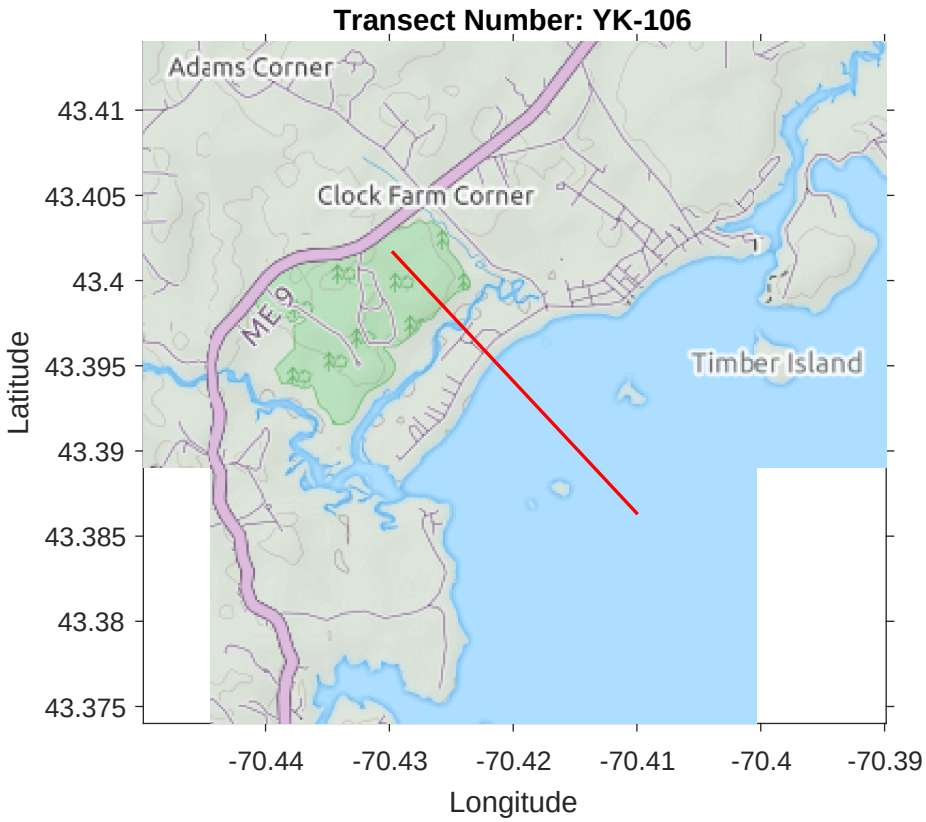
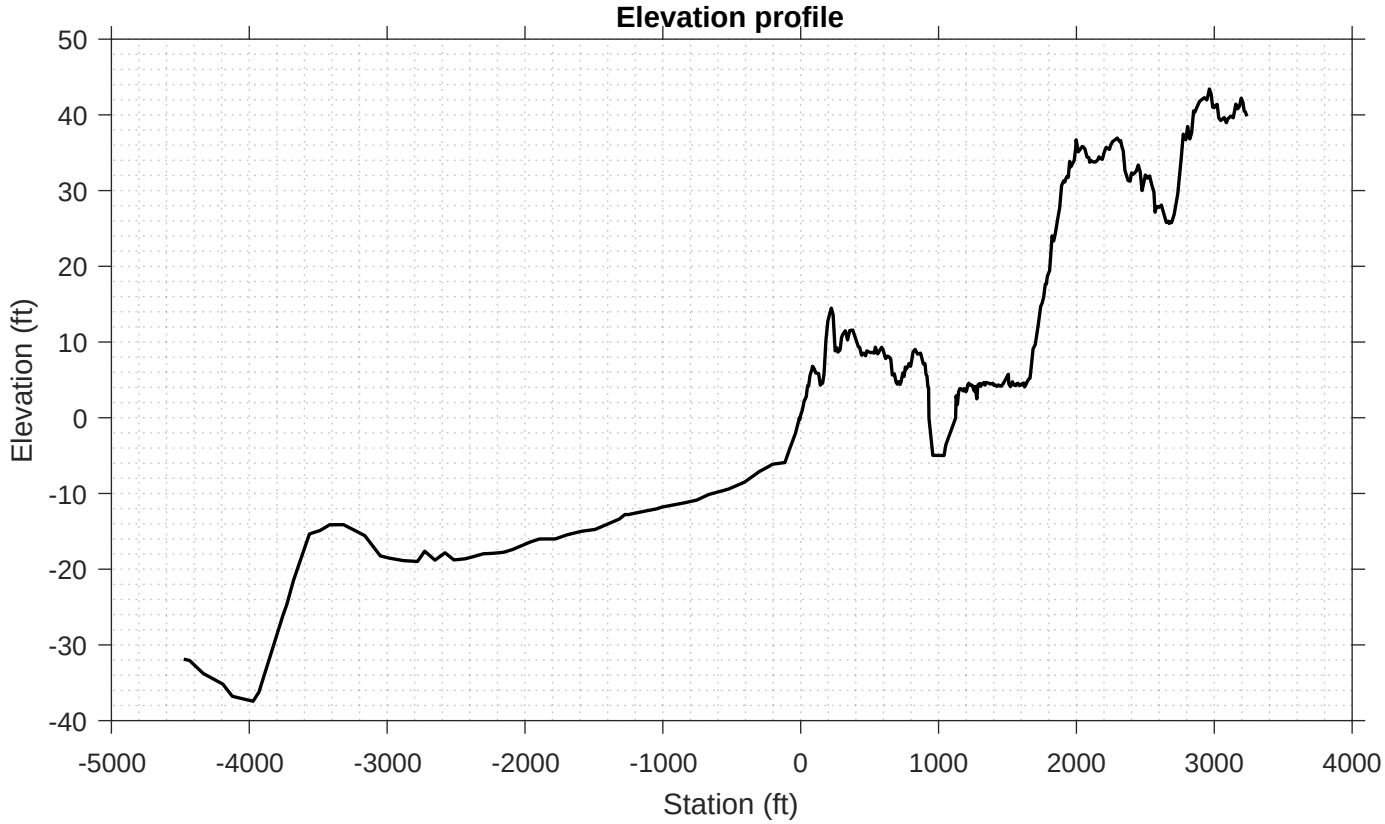

Transect Number: YK-106
Adams Corner
Clock Farm Corner
ME 9
Timber Island
Latitude
43.41
43.405
43.4
43.395
43.39
43.385
43.38
43.375
-70.44
-70.43
-70.42
-70.41
-70.4
-70.39
Longitude


Elevation profile
Elevation (ft)
50
40
30
20
10
0
-10
-20
-30
-40
-5000
-4000
-3000
-2000
-1000
0
1000
2000
3000
4000
Station (ft)

DATA LOG FOR TRANSECT ID: YK-106

PART 1: USER INPUT

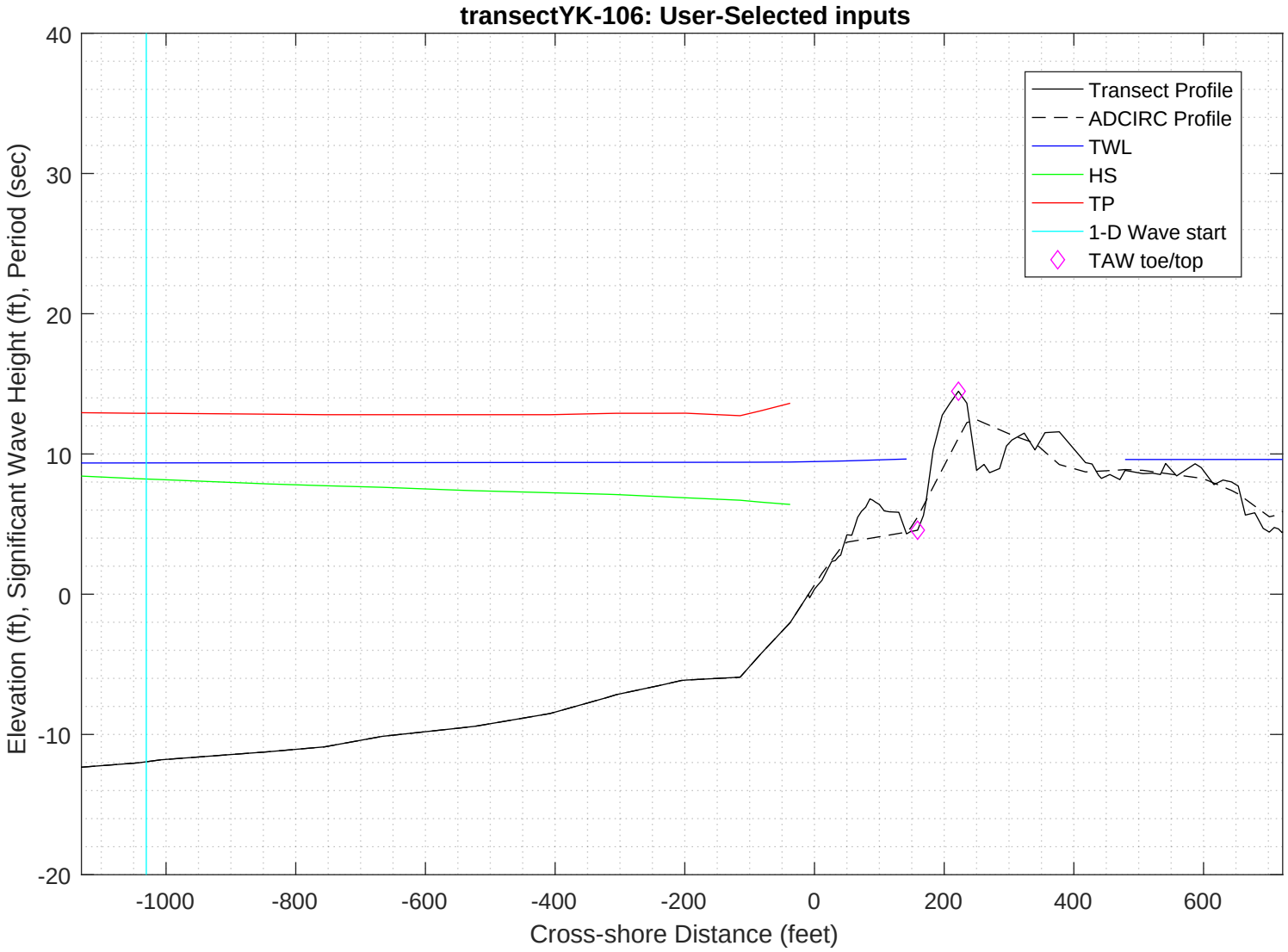
SWAN 1-D / WHAFIS input

station: -1030.5 ft
LON: -70.4188 deg E
LAT: 43.3932 deg N
Bottom ELEV: -11.9477 ft-NAVD88
TWL: 9.3612 ft-NAVD88
HS: 8.2135 ft
TP: 12.9 sec
Wave Direction bin: 135 deg CCW from East (90 deg sector)
Transect Direction: 142.1434 deg CCW from East

TAW/RUNUP input

toe sta: 159 ft
toe elev: 4.5636 ft-NAVD88
top sta: 222 ft
top elev: 14.4718 ft-NAVD88
Wave and water level conditions at toe to be calculated in SWAN 1-D

PART 1 COMPLETE


transectYK-106: User-Selected inputs
Transect Profile
ADCIRC Profile
TWL
HS
TP
1-D Wave start
TAW toe/top
Elevation (ft), Significant Wave Height (ft), Period (sec)
Cross-shore Distance (feet)
40
30
20
10
0
-10
-20
-1000
-800
-600
-400
-200
0
200
400
600

PART 2: SWAN 1-D

swan input grid name: 2_swan/gridfiles/YK-106zmeters_xmeters.grd
swan file name: 2_swan/swanfiles/YK-106.swn
swan output name: 2_swan/swanfiles/YK-106.dat

Boundary Conditions:
    TWL- 2.8533 meters
    HS- 2.5035 meters
    PER- 12.9 seconds

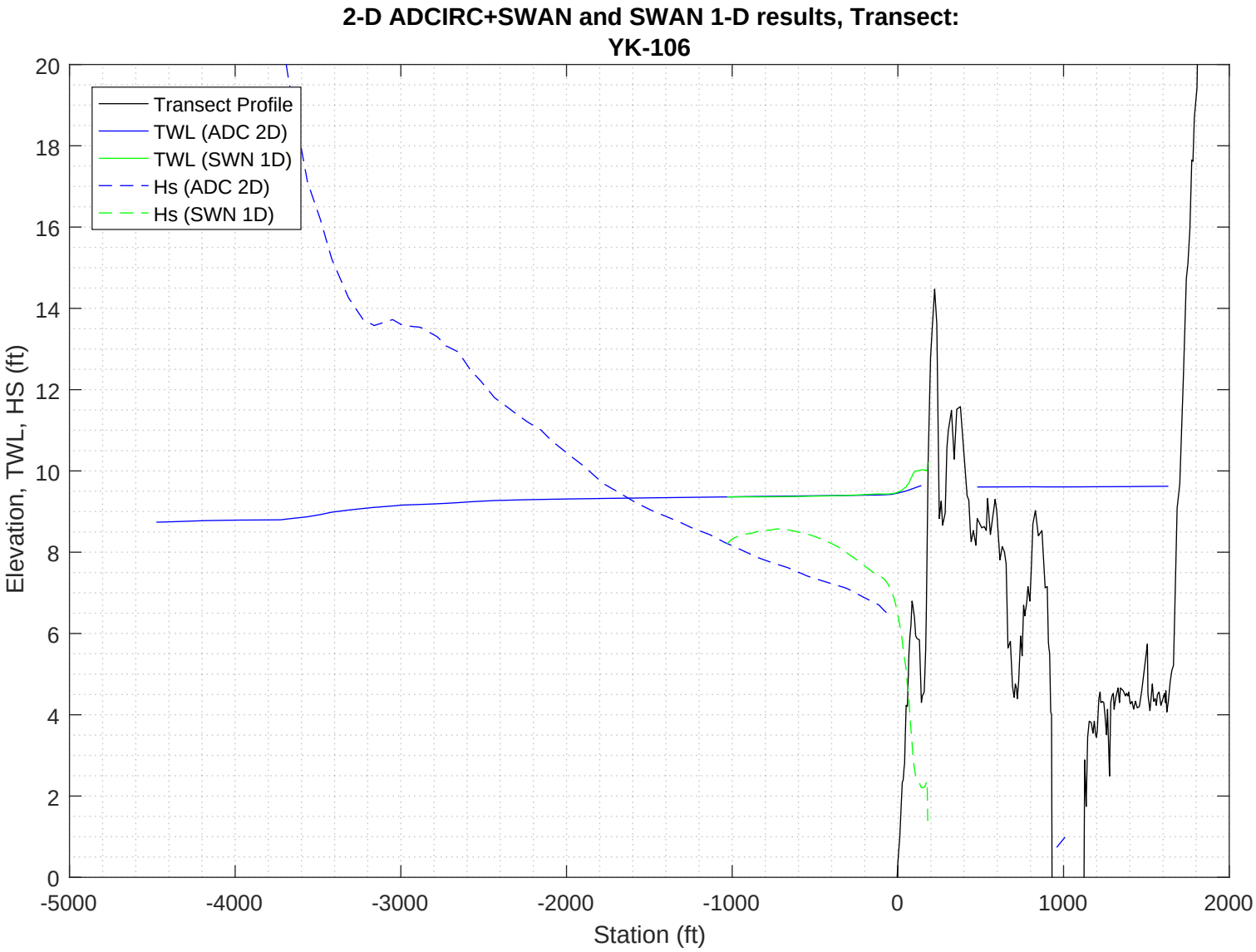
Batch File: 2_swan/swanfiles/runswan.dat

SWAN maximum additional wave setup: 0.86394 feet
SWAN output at toe:
    SETUP- 0.66269 feet
    HS-   2.2239 feet
    PER-   12.5841 seconds

PART 2 COMPLETE

SWAN maximum additional wave setup: 0.86394 feet
SWAN output at toe:
    SETUP- 0.66269 feet
    HS-   2.2239 feet
    PER-   12.5841 seconds

PART 2 COMPLETE


2-D ADCIRC+SWAN and SWAN 1-D results, Transect:
YK-106
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
-5000
-4000
-3000
-2000
-1000
0
1000
2000

1

```
                    Execution started at 20200401.174322


                    ---------------------------------------
                                    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      369       0.   369     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      369   0      1       1
 !READinp BOTtom [fac]  'fname1'  [idla]  [nhedf]  [FREe|FORmat[form]|UNFormatted]
  READ    BOTTOM   -1. '../gridfiles/YK-106zmeters_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   2.5035     12.9     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      369  369    0
!TABLe 'sname' < HEADer|NOHEADer|INDexed > 'fname' <output parameters> (output time)
 Table 'curve'   HEADER 'YK-106.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             370 MYC              1
                     : MCGRD           371
                     : 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  11.09 % 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   0.28 % 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   7.57 % 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  60.82 % of wet grid points ( 99.50 % required)

iteration    6; sweep 1
iteration    6; sweep 2
iteration    6; sweep 3
iteration    6; sweep 4
accuracy OK in  99.46 % 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  99.46 % 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  99.73 % 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.	2.50081	12.5697	12.4477	11.6385	0.000	31.5062	6.4900	0.000000
1.	0.	2.50524	12.5719	12.4477	11.5365	0.000	31.5036	6.4900	0.000016
2.	0.	2.51014	12.5741	12.4477	11.4403	0.000	31.4985	6.4800	-0.000020
3.	0.	2.51414	12.5761	12.4477	11.3491	0.000	31.4911	6.4800	-0.000004
4.	0.	2.51836	12.5781	12.4477	11.2643	0.000	31.4649	6.4700	-0.000038
5.	0.	2.52246	12.5799	12.4477	11.1853	0.000	31.4474	6.4599	-0.000073
6.	0.	2.52565	12.5815	12.4477	11.1111	0.000	31.4317	6.4599	-0.000056
7.	0.	2.52931	12.5831	12.4477	11.0422	0.000	31.4155	6.4499	-0.000091
8.	0.	2.53206	12.5845	12.4477	10.9773	0.000	31.3986	6.4499	-0.000074
9.	0.	2.53530	12.5859	12.4477	10.9168	0.000	31.3806	6.4399	-0.000109
10.	0.	2.53790	12.5872	12.4477	10.8593	0.000	31.3776	6.4399	-0.000092
11.	0.	2.54019	12.5884	12.4477	10.8052	0.000	31.3634	6.4399	-0.000075
12.	0.	2.54294	12.5895	12.4477	10.7547	0.000	31.3448	6.4299	-0.000109
13.	0.	2.54508	12.5905	12.4477	10.7063	0.000	31.3402	6.4299	-0.000091
14.	0.	2.54693	12.5915	12.4477	10.6605	0.000	31.3244	6.4299	-0.000072
15.	0.	2.54927	12.5924	12.4477	10.6177	0.000	31.3043	6.4199	-0.000106
16.	0.	2.55116	12.5932	12.4477	10.5753	0.000	31.2988	6.4199	-0.000087
17.	0.	2.55283	12.5940	12.4477	10.5347	0.000	31.2829	6.4199	-0.000067
18.	0.	2.55502	12.5948	12.4477	10.4964	0.000	31.2632	6.4099	-0.000098
19.	0.	2.55666	12.5954	12.4477	10.4592	0.000	31.2575	6.4099	-0.000078
20.	0.	2.55806	12.5960	12.4477	10.4237	0.000	31.2423	6.4099	-0.000056
21.	0.	2.55998	12.5966	12.4477	10.3903	0.000	31.2239	6.3999	-0.000085
22.	0.	2.56137	12.5972	12.4477	10.3576	0.000	31.2178	6.3999	-0.000064
23.	0.	2.56254	12.5976	12.4477	10.3263	0.000	31.2025	6.4000	-0.000040
24.	0.	2.56422	12.5981	12.4477	10.2969	0.000	31.1839	6.3899	-0.000069
25.	0.	2.56540	12.5985	12.4477	10.2680	0.000	31.1771	6.3900	-0.000046
26.	0.	2.56637	12.5989	12.4477	10.2402	0.000	31.1614	6.3900	-0.000022
27.	0.	2.56786	12.5992	12.4477	10.2142	0.000	31.1422	6.3800	-0.000049
28.	0.	2.56885	12.5995	12.4477	10.1884	0.000	31.1350	6.3800	-0.000026
29.	0.	2.56964	12.5998	12.4477	10.1635	0.000	31.1187	6.3800	0.000000
30.	0.	2.57096	12.6001	12.4477	10.1403	0.000	31.0994	6.3700	-0.000027
31.	0.	2.57179	12.6003	12.4477	10.1171	0.000	31.0919	6.3700	-0.000002
32.	0.	2.57244	12.6005	12.4477	10.0948	0.000	31.0757	6.3700	0.000025
33.	0.	2.57361	12.6007	12.4477	10.0739	0.000	31.0568	6.3600	-0.000001
34.	0.	2.57410	12.6008	12.4477	10.0529	0.000	31.0377	6.3600	0.000028
35.	0.	2.57517	12.6009	12.4477	10.0333	0.000	31.0181	6.3500	0.000004
36.	0.	2.57580	12.6010	12.4477	10.0135	0.000	31.0098	6.3500	0.000031
37.	0.	2.57626	12.6011	12.4477	9.9942	0.001	30.9937	6.3501	0.000059
38.	0.	2.57727	12.6012	12.4477	9.9762	0.001	30.9748	6.3400	0.000035
39.	0.	2.57781	12.6013	12.4477	9.9579	0.001	30.9665	6.3401	0.000063
40.	0.	2.57819	12.6013	12.4477	9.9402	0.001	30.9503	6.3401	0.000093
41.	0.	2.57911	12.6013	12.4477	9.9236	0.001	30.9312	6.3301	0.000069
42.	0.	2.57957	12.6013	12.4477	9.9067	0.001	30.9227	6.3301	0.000098
43.	0.	2.57987	12.6013	12.4477	9.8903	0.001	30.9063	6.3301	0.000128
44.	0.	2.58070	12.6013	12.4477	9.8751	0.001	30.8870	6.3201	0.000106
45.	0.	2.58109	12.6012	12.4477	9.8594	0.002	30.8782	6.3201	0.000135
46.	0.	2.58133	12.6012	12.4477	9.8441	0.002	30.8617	6.3202	0.000167
47.	0.	2.58273	12.6011	12.4477	9.8253	0.003	30.8461	6.3101	0.000145
48.	0.	2.58388	12.6011	12.4477	9.8045	0.003	30.8421	6.3102	0.000177
49.	0.	2.58491	12.6010	12.4477	9.7837	0.003	30.8307	6.3102	0.000210
50.	0.	2.58648	12.6009	12.4477	9.7641	0.003	30.8165	6.3002	0.000191
51.	0.	2.58758	12.6007	12.4477	9.7441	0.003	30.8127	6.3002	0.000224
52.	0.	2.58851	12.6006	12.4477	9.7244	0.004	30.8010	6.3003	0.000259
53.	0.	2.58996	12.6005	12.4477	9.7060	0.004	30.7865	6.2902	0.000241
54.	0.	2.59095	12.6003	12.4477	9.6871	0.004	30.7823	6.2903	0.000275
55.	0.	2.59178	12.6001	12.4477	9.6686	0.004	30.7703	6.2903	0.000311
56.	0.	2.59312	12.6000	12.4477	9.6512	0.005	30.7554	6.2803	0.000294
57.	0.	2.59382	12.5998	12.4477	9.6333	0.005	30.7400	6.2803	0.000332
58.	0.	2.59506	12.5996	12.4477	9.6166	0.005	30.7237	6.2703	0.000316
59.	0.	2.59588	12.5994	12.4477	9.5993	0.006	30.7184	6.2704	0.000352

60.	0.	2.59654	12.5991	12.4477	9.5824	0.006	30.7057	6.2704	0.000391
61.	0.	2.59771	12.5989	12.4477	9.5666	0.006	30.6902	6.2604	0.000376
62.	0.	2.59826	12.5987	12.4477	9.5501	0.006	30.6744	6.2604	0.000416
63.	0.	2.59935	12.5985	12.4477	9.5348	0.007	30.6577	6.2504	0.000402
64.	0.	2.59984	12.5982	12.4477	9.5197	0.006	30.6539	6.2504	0.000447
65.	0.	2.60005	12.5980	12.4477	9.5055	0.003	30.6436	6.2505	0.000497
66.	0.	2.60073	12.5977	12.4477	9.4926	359.998	30.6308	6.2405	0.000494
67.	0.	2.60071	12.5974	12.4477	9.4794	359.992	30.6173	6.2405	0.000548
68.	0.	2.60123	12.5972	12.4477	9.4673	359.985	30.6032	6.2305	0.000549
69.	0.	2.60135	12.5969	12.4477	9.4543	359.978	30.5999	6.2306	0.000602
70.	0.	2.60129	12.5966	12.4477	9.4418	359.969	30.5886	6.2307	0.000658
71.	0.	2.60171	12.5963	12.4477	9.4305	359.960	30.5745	6.2207	0.000660
72.	0.	2.60170	12.5961	12.4477	9.4176	359.954	30.5596	6.2207	0.000714
73.	0.	2.60230	12.5958	12.4477	9.4055	359.949	30.5439	6.2107	0.000711
74.	0.	2.60252	12.5955	12.4477	9.3924	359.945	30.5390	6.2108	0.000762
75.	0.	2.60263	12.5952	12.4477	9.3793	359.941	30.5271	6.2108	0.000813
76.	0.	2.60326	12.5949	12.4477	9.3673	359.938	30.5126	6.2008	0.000810
77.	0.	2.60332	12.5946	12.4477	9.3544	359.934	30.4979	6.2009	0.000863
78.	0.	2.60390	12.5943	12.4477	9.3426	359.931	30.4827	6.1909	0.000860
79.	0.	2.60428	12.5940	12.4477	9.3286	359.923	30.4798	6.1909	0.000912
80.	0.	2.60479	12.5937	12.4477	9.3131	359.918	30.4714	6.1910	0.000965
81.	0.	2.60586	12.5934	12.4477	9.2983	359.916	30.4610	6.1810	0.000963
82.	0.	2.60638	12.5931	12.4477	9.2823	359.914	30.4504	6.1810	0.001018
83.	0.	2.60742	12.5928	12.4477	9.2676	359.912	30.4389	6.1710	0.001017
84.	0.	2.60787	12.5925	12.4477	9.2520	359.910	30.4278	6.1711	0.001073
85.	0.	2.60866	12.5922	12.4477	9.2377	359.908	30.4059	6.1611	0.001075
86.	0.	2.60935	12.5919	12.4477	9.2236	359.906	30.3804	6.1511	0.001079
87.	0.	2.61015	12.5917	12.4477	9.2097	359.903	30.3635	6.1411	0.001082
88.	0.	2.61043	12.5914	12.4477	9.1949	359.901	30.3499	6.1411	0.001141
89.	0.	2.61106	12.5911	12.4477	9.1814	359.899	30.3265	6.1311	0.001146
90.	0.	2.61161	12.5909	12.4477	9.1680	359.897	30.2999	6.1212	0.001152
91.	0.	2.61211	12.5906	12.4477	9.1548	359.895	30.2720	6.1112	0.001160
92.	0.	2.61256	12.5904	12.4477	9.1417	359.892	30.2435	6.1012	0.001168
93.	0.	2.61296	12.5901	12.4477	9.1289	359.890	30.2148	6.0912	0.001178
94.	0.	2.61332	12.5899	12.4477	9.1170	359.886	30.1972	6.0812	0.001193
95.	0.	2.61294	12.5896	12.4477	9.1052	359.881	30.1848	6.0813	0.001270
96.	0.	2.61281	12.5894	12.4477	9.0952	359.877	30.1634	6.0713	0.001295
97.	0.	2.61251	12.5892	12.4477	9.0857	359.872	30.1389	6.0613	0.001323
98.	0.	2.61212	12.5889	12.4477	9.0766	359.868	30.1130	6.0514	0.001353
99.	0.	2.61164	12.5887	12.4477	9.0678	359.865	30.0862	6.0414	0.001386
100.	0.	2.61124	12.5885	12.4477	9.0594	359.860	30.0682	6.0314	0.001419
101.	0.	2.61034	12.5883	12.4477	9.0499	359.855	30.0538	6.0315	0.001509
102.	0.	2.60976	12.5880	12.4477	9.0419	359.852	30.0295	6.0215	0.001544
103.	0.	2.60910	12.5878	12.4477	9.0341	359.850	30.0019	6.0116	0.001580
104.	0.	2.60839	12.5876	12.4477	9.0263	359.848	29.9732	6.0016	0.001618
105.	0.	2.60817	12.5874	12.4477	9.0162	359.845	29.9424	5.9916	0.001644
106.	0.	2.60825	12.5872	12.4477	9.0055	359.843	29.9205	5.9817	0.001665
107.	0.	2.60785	12.5870	12.4477	8.9935	359.841	29.9023	5.9817	0.001744
108.	0.	2.60763	12.5868	12.4477	8.9837	359.836	29.8763	5.9718	0.001772
109.	0.	2.60722	12.5866	12.4477	8.9745	359.828	29.8471	5.9618	0.001803
110.	0.	2.60673	12.5864	12.4477	8.9656	359.819	29.8164	5.9518	0.001837
111.	0.	2.60634	12.5862	12.4477	8.9568	359.810	29.7948	5.9419	0.001871
112.	0.	2.60545	12.5860	12.4477	8.9470	359.801	29.7770	5.9420	0.001963
113.	0.	2.60508	12.5858	12.4477	8.9385	359.792	29.7593	5.9320	0.001998
114.	0.	2.60415	12.5856	12.4477	8.9289	359.783	29.7426	5.9321	0.002092
115.	0.	2.60371	12.5854	12.4477	8.9207	359.773	29.7247	5.9221	0.002128
116.	0.	2.60272	12.5852	12.4477	8.9115	359.763	29.7076	5.9222	0.002223
117.	0.	2.60224	12.5850	12.4477	8.9036	359.753	29.6897	5.9123	0.002260
118.	0.	2.60121	12.5848	12.4477	8.8945	359.743	29.6727	5.9124	0.002357
119.	0.	2.60068	12.5846	12.4477	8.8868	359.734	29.6549	5.9024	0.002395
120.	0.	2.59960	12.5844	12.4477	8.8780	359.724	29.6380	5.9025	0.002493
121.	0.	2.59902	12.5843	12.4477	8.8706	359.714	29.6203	5.8925	0.002532
122.	0.	2.59790	12.5841	12.4477	8.8619	359.705	29.6035	5.8926	0.002631
123.	0.	2.59728	12.5839	12.4477	8.8547	359.695	29.5860	5.8827	0.002672
124.	0.	2.59611	12.5837	12.4477	8.8463	359.686	29.5693	5.8828	0.002772
125.	0.	2.59545	12.5836	12.4477	8.8393	359.677	29.5519	5.8728	0.002814
126.	0.	2.59424	12.5834	12.4477	8.8310	359.668	29.5354	5.8729	0.002916

127.	0.	2.59354	12.5832	12.4477	8.8242	359.659	29.5181	5.8630	0.002959
128.	0.	2.59230	12.5831	12.4477	8.8162	359.650	29.5016	5.8631	0.003061
129.	0.	2.59156	12.5829	12.4477	8.8095	359.641	29.4845	5.8531	0.003105
130.	0.	2.59028	12.5828	12.4477	8.8016	359.632	29.4682	5.8532	0.003209
131.	0.	2.58950	12.5826	12.4477	8.7951	359.623	29.4512	5.8433	0.003254
132.	0.	2.58838	12.5824	12.4477	8.7866	359.619	29.4351	5.8434	0.003354
133.	0.	2.58786	12.5823	12.4477	8.7789	359.616	29.4183	5.8334	0.003394
134.	0.	2.58677	12.5821	12.4477	8.7701	359.614	29.4023	5.8335	0.003494
135.	0.	2.58615	12.5820	12.4477	8.7628	359.614	29.3857	5.8235	0.003537
136.	0.	2.58502	12.5818	12.4477	8.7541	359.615	29.3698	5.8236	0.003639
137.	0.	2.58441	12.5817	12.4477	8.7468	359.617	29.3532	5.8137	0.003683
138.	0.	2.58326	12.5815	12.4477	8.7381	359.618	29.3375	5.8138	0.003786
139.	0.	2.58262	12.5814	12.4477	8.7309	359.621	29.3209	5.8038	0.003831
140.	0.	2.58142	12.5813	12.4477	8.7224	359.623	29.3054	5.8039	0.003936
141.	0.	2.58071	12.5811	12.4477	8.7155	359.625	29.2893	5.7940	0.003982
142.	0.	2.57945	12.5810	12.4477	8.7073	359.627	29.2742	5.7941	0.004089
143.	0.	2.57868	12.5809	12.4477	8.7006	359.630	29.2585	5.7841	0.004137
144.	0.	2.57739	12.5807	12.4477	8.6926	359.633	29.2437	5.7842	0.004245
145.	0.	2.57659	12.5806	12.4477	8.6860	359.636	29.2279	5.7743	0.004294
146.	0.	2.57525	12.5805	12.4477	8.6782	359.640	29.2128	5.7744	0.004403
147.	0.	2.57442	12.5804	12.4477	8.6718	359.644	29.1970	5.7645	0.004453
148.	0.	2.57306	12.5802	12.4477	8.6640	359.647	29.1820	5.7646	0.004563
149.	0.	2.57220	12.5801	12.4477	8.6576	359.651	29.1663	5.7546	0.004614
150.	0.	2.57079	12.5800	12.4477	8.6501	359.655	29.1516	5.7547	0.004725
151.	0.	2.56987	12.5799	12.4477	8.6440	359.659	29.1361	5.7448	0.004778
152.	0.	2.56836	12.5798	12.4477	8.6369	359.661	29.1211	5.7449	0.004892
153.	0.	2.56733	12.5797	12.4477	8.6313	359.664	29.1048	5.7349	0.004946
154.	0.	2.56576	12.5796	12.4477	8.6244	359.668	29.0893	5.7351	0.005062
155.	0.	2.56457	12.5795	12.4477	8.6190	359.671	29.0638	5.7251	0.005118
156.	0.	2.56330	12.5794	12.4477	8.6136	359.675	29.0352	5.7152	0.005175
157.	0.	2.56210	12.5793	12.4477	8.6083	359.679	29.0145	5.7052	0.005234
158.	0.	2.56041	12.5792	12.4477	8.6017	359.683	28.9972	5.7054	0.005353
159.	0.	2.55910	12.5791	12.4477	8.5966	359.687	28.9710	5.6954	0.005413
160.	0.	2.55772	12.5790	12.4477	8.5915	359.691	28.9419	5.6855	0.005474
161.	0.	2.55641	12.5789	12.4477	8.5866	359.696	28.9208	5.6755	0.005537
162.	0.	2.55460	12.5788	12.4477	8.5803	359.701	28.9031	5.6757	0.005661
163.	0.	2.55316	12.5787	12.4477	8.5756	359.706	28.8764	5.6657	0.005725
164.	0.	2.55165	12.5786	12.4477	8.5709	359.712	28.8475	5.6558	0.005792
165.	0.	2.55010	12.5786	12.4477	8.5663	359.718	28.8178	5.6459	0.005859
166.	0.	2.54862	12.5785	12.4477	8.5618	359.724	28.7966	5.6359	0.005929
167.	0.	2.54675	12.5784	12.4477	8.5556	359.727	28.7789	5.6361	0.006057
168.	0.	2.54530	12.5783	12.4477	8.5506	359.730	28.7528	5.6261	0.006125
169.	0.	2.54378	12.5782	12.4477	8.5457	359.733	28.7244	5.6162	0.006194
170.	0.	2.54224	12.5782	12.4477	8.5408	359.736	28.6952	5.6063	0.006264
171.	0.	2.54077	12.5781	12.4477	8.5360	359.739	28.6739	5.5963	0.006336
172.	0.	2.53882	12.5780	12.4477	8.5297	359.742	28.6562	5.5965	0.006469
173.	0.	2.53727	12.5779	12.4477	8.5249	359.745	28.6304	5.5865	0.006542
174.	0.	2.53568	12.5779	12.4477	8.5201	359.747	28.6020	5.5766	0.006615
175.	0.	2.53417	12.5778	12.4477	8.5153	359.750	28.5808	5.5667	0.006689
176.	0.	2.53218	12.5777	12.4477	8.5090	359.752	28.5630	5.5668	0.006826
177.	0.	2.53062	12.5777	12.4477	8.5040	359.754	28.5366	5.5569	0.006900
178.	0.	2.52901	12.5776	12.4477	8.4991	359.756	28.5077	5.5470	0.006975
179.	0.	2.52735	12.5775	12.4477	8.4942	359.758	28.4779	5.5371	0.007052
180.	0.	2.52578	12.5775	12.4477	8.4893	359.760	28.4560	5.5271	0.007130
181.	0.	2.52371	12.5774	12.4477	8.4831	359.762	28.4378	5.5273	0.007270
182.	0.	2.52208	12.5774	12.4477	8.4782	359.763	28.4114	5.5173	0.007349
183.	0.	2.52039	12.5773	12.4477	8.4733	359.764	28.3828	5.5074	0.007428
184.	0.	2.51865	12.5773	12.4477	8.4684	359.764	28.3532	5.4975	0.007509
185.	0.	2.51700	12.5772	12.4477	8.4637	359.765	28.3312	5.4876	0.007592
186.	0.	2.51485	12.5771	12.4477	8.4575	359.765	28.3127	5.4877	0.007737
187.	0.	2.51310	12.5771	12.4477	8.4528	359.766	28.2861	5.4778	0.007820
188.	0.	2.51129	12.5771	12.4477	8.4482	359.766	28.2572	5.4679	0.007905
189.	0.	2.50943	12.5770	12.4477	8.4436	359.766	28.2276	5.4580	0.007992
190.	0.	2.50753	12.5770	12.4477	8.4391	359.765	28.1976	5.4481	0.008080
191.	0.	2.50561	12.5769	12.4477	8.4346	359.765	28.1674	5.4382	0.008170
192.	0.	2.50354	12.5769	12.4477	8.4301	359.764	28.1293	5.4283	0.008262
193.	0.	2.50191	12.5769	12.4477	8.4271	359.764	28.0872	5.4083	0.008292

194.	0.	2.49983	12.5768	12.4477	8.4226	359.762	28.0529	5.3984	0.008389
195.	0.	2.49775	12.5768	12.4477	8.4181	359.761	28.0208	5.3885	0.008487
196.	0.	2.49553	12.5768	12.4477	8.4136	359.759	27.9816	5.3786	0.008587
197.	0.	2.49381	12.5768	12.4477	8.4105	359.759	27.9388	5.3586	0.008624
198.	0.	2.49162	12.5767	12.4477	8.4058	359.758	27.9038	5.3487	0.008728
199.	0.	2.48933	12.5767	12.4477	8.4011	359.758	27.8633	5.3388	0.008833
200.	0.	2.48750	12.5767	12.4477	8.3980	359.758	27.8198	5.3189	0.008877
201.	0.	2.48518	12.5767	12.4477	8.3933	359.758	27.7843	5.3090	0.008989
202.	0.	2.48276	12.5767	12.4477	8.3887	359.758	27.7434	5.2991	0.009102
203.	0.	2.48078	12.5767	12.4477	8.3856	359.759	27.6994	5.2792	0.009153
204.	0.	2.47831	12.5767	12.4477	8.3812	359.760	27.6634	5.2693	0.009273
205.	0.	2.47584	12.5766	12.4477	8.3767	359.761	27.6297	5.2594	0.009394
206.	0.	2.47324	12.5766	12.4477	8.3723	359.763	27.5892	5.2495	0.009518
207.	0.	2.47109	12.5766	12.4477	8.3695	359.765	27.5450	5.2296	0.009577
208.	0.	2.46845	12.5766	12.4477	8.3652	359.767	27.5087	5.2197	0.009707
209.	0.	2.46570	12.5766	12.4477	8.3609	359.769	27.4669	5.2098	0.009839
210.	0.	2.46341	12.5766	12.4477	8.3582	359.772	27.4219	5.1899	0.009906
211.	0.	2.46062	12.5766	12.4477	8.3540	359.775	27.3851	5.1800	0.010044
212.	0.	2.45774	12.5766	12.4477	8.3498	359.778	27.3429	5.1702	0.010183
213.	0.	2.45531	12.5766	12.4477	8.3472	359.781	27.2977	5.1503	0.010258
214.	0.	2.45239	12.5766	12.4477	8.3431	359.785	27.2607	5.1404	0.010404
215.	0.	2.44946	12.5766	12.4477	8.3390	359.788	27.2262	5.1306	0.010552
216.	0.	2.44644	12.5766	12.4477	8.3349	359.792	27.1846	5.1207	0.010701
217.	0.	2.44388	12.5767	12.4477	8.3323	359.796	27.1393	5.1008	0.010784
218.	0.	2.44073	12.5767	12.4477	8.3281	359.801	27.0943	5.0909	0.010938
219.	0.	2.43806	12.5767	12.4477	8.3256	359.805	27.0477	5.0710	0.011027
220.	0.	2.43489	12.5767	12.4477	8.3215	359.810	27.0101	5.0612	0.011189
221.	0.	2.43173	12.5767	12.4477	8.3174	359.815	26.9752	5.0514	0.011352
222.	0.	2.42856	12.5767	12.4477	8.3133	359.820	26.9415	5.0415	0.011517
223.	0.	2.42541	12.5768	12.4477	8.3091	359.825	26.9080	5.0317	0.011682
224.	0.	2.42229	12.5768	12.4477	8.3047	359.832	26.8743	5.0218	0.011846
225.	0.	2.41922	12.5768	12.4477	8.3000	359.839	26.8404	5.0120	0.012010
226.	0.	2.41624	12.5768	12.4477	8.2948	359.849	26.8064	5.0022	0.012171
227.	0.	2.41341	12.5769	12.4477	8.2890	359.863	26.7721	4.9923	0.012327
228.	0.	2.41064	12.5769	12.4477	8.2828	359.879	26.7385	4.9825	0.012483
229.	0.	2.40783	12.5769	12.4477	8.2767	359.895	26.7051	4.9726	0.012641
230.	0.	2.40500	12.5769	12.4477	8.2705	359.912	26.6719	4.9628	0.012801
231.	0.	2.40217	12.5770	12.4477	8.2643	359.930	26.6393	4.9530	0.012961
232.	0.	2.39938	12.5770	12.4477	8.2578	359.950	26.6079	4.9431	0.013121
233.	0.	2.39657	12.5770	12.4477	8.2513	359.971	26.5767	4.9333	0.013283
234.	0.	2.39375	12.5771	12.4477	8.2448	359.993	26.5457	4.9234	0.013446
235.	0.	2.39091	12.5771	12.4477	8.2383	0.015	26.5148	4.9136	0.013610
236.	0.	2.38805	12.5772	12.4477	8.2318	0.037	26.4842	4.9038	0.013775
237.	0.	2.38518	12.5772	12.4477	8.2253	0.059	26.4537	4.8939	0.013941
238.	0.	2.38229	12.5773	12.4477	8.2187	0.083	26.4234	4.8841	0.014108
239.	0.	2.37938	12.5773	12.4477	8.2122	0.106	26.3932	4.8743	0.014277
240.	0.	2.37646	12.5774	12.4477	8.2056	0.130	26.3631	4.8644	0.014447
241.	0.	2.37351	12.5774	12.4477	8.1991	0.153	26.3329	4.8546	0.014618
242.	0.	2.37055	12.5775	12.4477	8.1926	0.177	26.3028	4.8448	0.014790
243.	0.	2.36757	12.5775	12.4477	8.1861	0.202	26.2726	4.8350	0.014963
244.	0.	2.36456	12.5776	12.4477	8.1796	0.226	26.2423	4.8251	0.015137
245.	0.	2.36154	12.5776	12.4477	8.1731	0.250	26.2121	4.8153	0.015313
246.	0.	2.35852	12.5777	12.4477	8.1666	0.276	26.1823	4.8055	0.015489
247.	0.	2.35547	12.5778	12.4477	8.1600	0.301	26.1524	4.7957	0.015667
248.	0.	2.35240	12.5778	12.4477	8.1535	0.326	26.1223	4.7858	0.015846
249.	0.	2.34923	12.5779	12.4477	8.1470	0.351	26.0842	4.7760	0.016025
250.	0.	2.34653	12.5780	12.4477	8.1422	0.377	26.0421	4.7561	0.016134
251.	0.	2.34338	12.5780	12.4477	8.1358	0.402	26.0158	4.7463	0.016321
252.	0.	2.33974	12.5781	12.4477	8.1277	0.428	25.9959	4.7466	0.016581
253.	0.	2.33668	12.5782	12.4477	8.1214	0.454	25.9767	4.7368	0.016767
254.	0.	2.33318	12.5782	12.4477	8.1134	0.479	25.9675	4.7370	0.017026
255.	0.	2.32968	12.5783	12.4477	8.1054	0.505	25.9534	4.7373	0.017280
256.	0.	2.32673	12.5784	12.4477	8.0993	0.530	25.9367	4.7275	0.017459
257.	0.	2.32332	12.5784	12.4477	8.0914	0.556	25.9288	4.7277	0.017710
258.	0.	2.32000	12.5785	12.4477	8.0836	0.582	25.9237	4.7280	0.017958
259.	0.	2.31665	12.5785	12.4477	8.0758	0.608	25.9116	4.7282	0.018202
260.	0.	2.31383	12.5786	12.4477	8.0697	0.633	25.8962	4.7184	0.018370

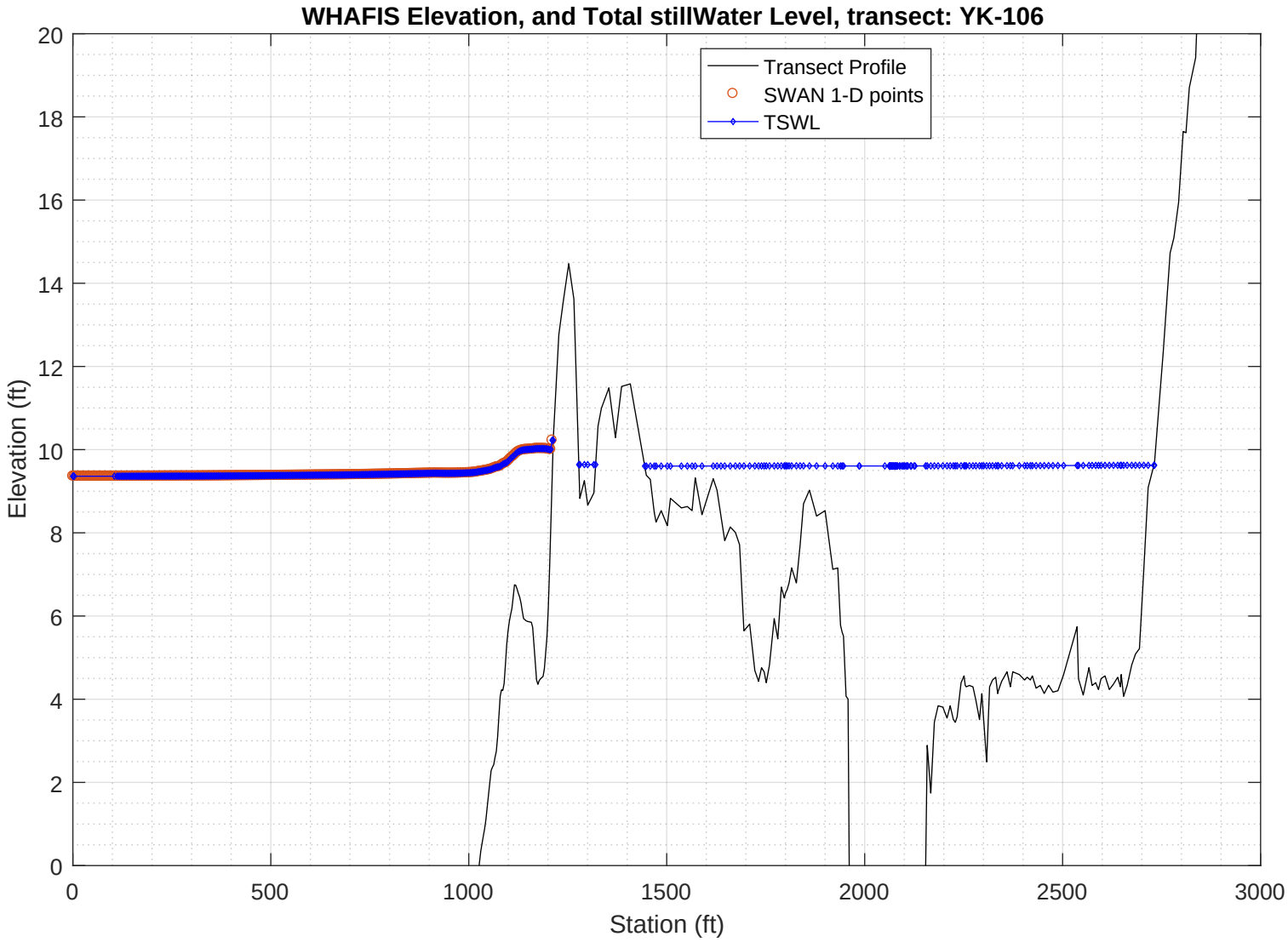
261.	0.	2.31057	12.5787	12.4477	8.0620	0.659	25.8893	4.7186	0.018611
262.	0.	2.30738	12.5787	12.4477	8.0544	0.685	25.8851	4.7188	0.018849
263.	0.	2.30416	12.5788	12.4477	8.0467	0.711	25.8739	4.7191	0.019082
264.	0.	2.30147	12.5789	12.4477	8.0408	0.736	25.8592	4.7092	0.019241
265.	0.	2.29834	12.5789	12.4477	8.0332	0.762	25.8529	4.7095	0.019472
266.	0.	2.29531	12.5790	12.4477	8.0256	0.787	25.8493	4.7097	0.019699
267.	0.	2.29226	12.5790	12.4477	8.0178	0.812	25.8387	4.7099	0.019922
268.	0.	2.28973	12.5791	12.4477	8.0119	0.837	25.8246	4.7001	0.020071
269.	0.	2.28676	12.5792	12.4477	8.0042	0.861	25.8190	4.7003	0.020292
270.	0.	2.28386	12.5792	12.4477	7.9965	0.886	25.8160	4.7005	0.020510
271.	0.	2.28093	12.5793	12.4477	7.9889	0.911	25.8060	4.7007	0.020724
272.	0.	2.27851	12.5794	12.4477	7.9831	0.935	25.7924	4.6909	0.020865
273.	0.	2.27565	12.5794	12.4477	7.9755	0.959	25.7872	4.6911	0.021077
274.	0.	2.27285	12.5795	12.4477	7.9680	0.983	25.7846	4.6913	0.021287
275.	0.	2.27006	12.5795	12.4477	7.9603	1.008	25.7750	4.6915	0.021492
276.	0.	2.26778	12.5796	12.4477	7.9544	1.032	25.7620	4.6816	0.021625
277.	0.	2.26506	12.5797	12.4477	7.9468	1.057	25.7573	4.6818	0.021828
278.	0.	2.26241	12.5797	12.4477	7.9392	1.082	25.7550	4.6820	0.022029
279.	0.	2.25942	12.5798	12.4477	7.9313	1.107	25.7142	4.6822	0.022224
280.	0.	2.25840	12.5799	12.4477	7.9323	1.127	25.6146	4.6321	0.022067
281.	0.	2.25697	12.5801	12.4477	7.9332	1.147	25.4949	4.5819	0.021919
282.	0.	2.25520	12.5803	12.4477	7.9341	1.167	25.3665	4.5318	0.021784
283.	0.	2.25326	12.5804	12.4477	7.9347	1.188	25.2246	4.4816	0.021648
284.	0.	2.25168	12.5806	12.4477	7.9370	1.210	25.0767	4.4214	0.021441
285.	0.	2.24918	12.5808	12.4477	7.9374	1.232	24.9369	4.3713	0.021339
286.	0.	2.24636	12.5810	12.4477	7.9378	1.256	24.7970	4.3213	0.021258
287.	0.	2.24318	12.5812	12.4477	7.9381	1.280	24.6552	4.2712	0.021200
288.	0.	2.23956	12.5814	12.4477	7.9382	1.304	24.5045	4.2212	0.021165
289.	0.	2.23615	12.5817	12.4477	7.9403	1.328	24.3476	4.1611	0.021066
290.	0.	2.23176	12.5819	12.4477	7.9402	1.355	24.1962	4.1111	0.021086
291.	0.	2.22712	12.5821	12.4477	7.9399	1.384	24.0526	4.0611	0.021132
292.	0.	2.22142	12.5823	12.4477	7.9375	1.414	23.9122	4.0213	0.021307
293.	0.	2.21611	12.5825	12.4477	7.9366	1.446	23.7599	3.9714	0.021399
294.	0.	2.21047	12.5827	12.4477	7.9353	1.480	23.6021	3.9215	0.021516
295.	0.	2.20435	12.5829	12.4477	7.9337	1.514	23.4412	3.8717	0.021670
296.	0.	2.19774	12.5831	12.4477	7.9319	1.549	23.2777	3.8219	0.021864
297.	0.	2.19061	12.5833	12.4477	7.9300	1.585	23.1119	3.7721	0.022101
298.	0.	2.18295	12.5835	12.4477	7.9279	1.622	22.9441	3.7224	0.022385
299.	0.	2.17475	12.5837	12.4477	7.9257	1.659	22.7744	3.6727	0.022714
300.	0.	2.16598	12.5839	12.4477	7.9233	1.698	22.6030	3.6231	0.023095
301.	0.	2.15667	12.5840	12.4477	7.9207	1.737	22.4295	3.5735	0.023528
302.	0.	2.14682	12.5842	12.4477	7.9176	1.777	22.2543	3.5240	0.024012
303.	0.	2.13623	12.5843	12.4477	7.9143	1.815	22.0516	3.4745	0.024547
304.	0.	2.12725	12.5845	12.4477	7.9168	1.856	21.8123	3.3948	0.024750
305.	0.	2.11641	12.5846	12.4477	7.9163	1.897	21.5694	3.3252	0.025187
306.	0.	2.10449	12.5847	12.4477	7.9155	1.938	21.3220	3.2557	0.025730
307.	0.	2.09148	12.5848	12.4477	7.9142	1.978	21.0710	3.1864	0.026387
308.	0.	2.07732	12.5848	12.4477	7.9126	2.017	20.8202	3.1172	0.027169
309.	0.	2.06200	12.5848	12.4477	7.9106	2.056	20.5711	3.0481	0.028084
310.	0.	2.04546	12.5848	12.4477	7.9079	2.096	20.3108	2.9791	0.029133
311.	0.	2.02924	12.5848	12.4477	7.9072	2.147	20.1482	2.9002	0.030190
312.	0.	2.00070	12.5845	12.4477	7.8767	2.201	20.0453	2.9534	0.033399
313.	0.	1.98512	12.5845	12.4477	7.8802	2.231	19.8128	2.8643	0.034259
314.	0.	1.96776	12.5844	12.4477	7.8800	2.269	19.5667	2.7854	0.035381
315.	0.	1.94713	12.5842	12.4477	7.8751	2.308	19.3452	2.7270	0.037032
316.	0.	1.92466	12.5840	12.4477	7.8677	2.348	19.1324	2.6790	0.038977
317.	0.	1.90265	12.5838	12.4477	7.8623	2.389	18.9089	2.6208	0.040819
318.	0.	1.87964	12.5836	12.4477	7.8566	2.425	18.6424	2.5628	0.042768
319.	0.	1.85963	12.5834	12.4477	7.8591	2.462	18.3181	2.4641	0.044098
320.	0.	1.83613	12.5831	12.4477	7.8587	2.499	17.9918	2.3760	0.045958
321.	0.	1.80929	12.5828	12.4477	7.8553	2.536	17.6620	2.2984	0.048354
322.	0.	1.78201	12.5825	12.4477	7.8529	2.584	17.3755	2.2108	0.050838
323.	0.	1.74626	12.5821	12.4477	7.8371	2.638	17.1918	2.1850	0.054961
324.	0.	1.71030	12.5818	12.4477	7.8208	2.689	17.0247	2.1692	0.059154
325.	0.	1.67897	12.5815	12.4477	7.8135	2.736	16.8375	2.1225	0.062519
326.	0.	1.64633	12.5813	12.4477	7.8052	2.770	16.5834	2.0861	0.066085
327.	0.	1.62127	12.5811	12.4477	7.8136	2.788	16.1663	1.9781	0.068142

328.	0.	1.59774	12.5810	12.4477	7.8268	2.808	15.6494	1.8298	0.069770
329.	0.	1.56865	12.5808	12.4477	7.8342	2.868	15.2144	1.6824	0.072439
330.	0.	1.51912	12.5806	12.4477	7.8134	2.952	14.9922	1.6494	0.079404
331.	0.	1.46614	12.5803	12.4477	7.7880	3.030	14.8355	1.6571	0.087058
332.	0.	1.42306	12.5803	12.4477	7.7812	3.063	14.5379	1.6126	0.092645
333.	0.	1.39118	12.5804	12.4477	7.7966	3.066	14.0653	1.4760	0.095982
334.	0.	1.35040	12.5807	12.4477	7.8251	3.037	13.5738	1.3410	0.100995
335.	0.	1.29502	12.5812	12.4477	7.8440	2.980	13.1522	1.2492	0.109238
336.	0.	1.23265	12.5817	12.4477	7.8527	2.929	12.8057	1.1892	0.119237
337.	0.	1.17227	12.5822	12.4477	7.8551	2.924	12.5293	1.1391	0.129084
338.	0.	1.11844	12.5826	12.4477	7.8041	3.000	12.2194	1.1080	0.138008
339.	0.	1.06867	12.5831	12.4477	7.8042	2.997	11.8611	1.0359	0.145852
340.	0.	1.02040	12.5837	12.4477	7.8179	2.952	11.6057	0.9537	0.153693
341.	0.	0.95884	12.5840	12.4477	7.8010	3.005	11.6003	0.9645	0.164531
342.	0.	0.90819	12.5843	12.4477	7.7310	3.146	11.7134	1.0030	0.173024
343.	0.	0.86566	12.5844	12.4477	7.7011	3.274	11.9187	1.0395	0.179510
344.	0.	0.83139	12.5845	12.4477	7.6869	3.397	12.1772	1.0743	0.184345
345.	0.	0.80315	12.5845	12.4477	7.6748	3.533	12.5216	1.1181	0.188112
346.	0.	0.77914	12.5845	12.4477	7.6573	3.675	12.9163	1.1812	0.191166
347.	0.	0.76155	12.5845	12.4477	7.6429	3.784	13.2036	1.2332	0.193244
348.	0.	0.75113	12.5845	12.4477	7.6412	3.851	13.3556	1.2443	0.194347
349.	0.	0.74200	12.5845	12.4477	7.6391	3.898	13.4383	1.2553	0.195284
350.	0.	0.73477	12.5845	12.4477	7.6399	3.937	13.4973	1.2560	0.195989
351.	0.	0.72714	12.5845	12.4477	7.6371	3.973	13.5498	1.2667	0.196748
352.	0.	0.72109	12.5845	12.4477	7.6373	4.000	13.5776	1.2673	0.197317
353.	0.	0.71554	12.5845	12.4477	7.6374	4.050	13.6910	1.2678	0.197849
354.	0.	0.70731	12.5845	12.4477	7.6243	4.190	14.1465	1.3088	0.198777
355.	0.	0.69343	12.5844	12.4477	7.5807	4.417	14.9263	1.4404	0.200367
356.	0.	0.68279	12.5842	12.4477	7.5360	4.651	15.7123	1.5715	0.201544
357.	0.	0.67455	12.5841	12.4477	7.4939	4.820	16.2183	1.6924	0.202395
358.	0.	0.67188	12.5840	12.4477	7.4772	4.871	16.3106	1.7327	0.202655
359.	0.	0.67367	12.5841	12.4477	7.4830	4.867	16.2787	1.7025	0.202495
360.	0.	0.67410	12.5841	12.4477	7.4823	4.856	16.2224	1.6924	0.202448
361.	0.	0.67451	12.5840	12.4477	7.4816	4.841	16.1553	1.6824	0.202402
362.	0.	0.67469	12.5840	12.4477	7.4808	4.797	15.9754	1.6724	0.202356
363.	0.	0.67786	12.5841	12.4477	7.4963	4.677	15.5496	1.6120	0.201988
364.	0.	0.68534	12.5842	12.4477	7.5320	4.510	15.0026	1.4911	0.201147
365.	0.	0.69180	12.5843	12.4477	7.5651	4.280	14.2528	1.3803	0.200287
366.	0.	0.70595	12.5845	12.4477	7.6376	3.925	13.1219	1.1683	0.198254
367.	0.	0.72357	12.5851	12.4477	7.7524	3.470	11.5721	0.8748	0.194816
368.	0.	0.70241	12.5912	12.4477	8.2611	2.910	11.5156	0.5466	0.196577
369.	0.	0.42286	13.0565	12.4477	10.4525	1.821	15.1016	0.2733	0.263328

PART 3: WHAFIS

WHAFIS input: YK-106.dat
WHAFIS output: YK-106.out

PART 3 COMPLETE


WHAFIS Elevation, and Total stillWater Level, transect: YK-106
Transect Profile
SWAN 1-D points
TSWL
Elevation (ft)
Station (ft)
0
2
4
6
8
10
12
14
16
18
20
0
500
1000
1500
2000
2500
3000

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)
Executed on: Thu Apr 2 11:05:19 2020
Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Kennebunkport\3_whafis\whafis4\YK-106.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Kennebunkport\3_whafis\whafis4\YK-106.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	-11.947	1.000	1.000	9.361	13.142	12.900	56.140	0.006	0.000
OF	1.000	-11.941	0.000	9.361	0.000	0.000	0.000	0.000	0.006	0.000
OF	2.000	-11.935	0.000	9.361	0.000	0.000	0.000	0.000	0.006	0.000
OF	3.300	-11.927	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	105.000	-11.521	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	111.500	-11.498	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	114.800	-11.487	0.000	9.361	0.000	0.000	0.000	0.000	0.003	0.000
OF	118.100	-11.476	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	121.400	-11.464	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	124.700	-11.453	0.000	9.361	0.000	0.000	0.000	0.000	0.003	0.000
OF	128.000	-11.442	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	131.200	-11.430	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	134.500	-11.419	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	137.800	-11.407	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
OF	141.100	-11.396	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
OF	144.400	-11.385	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	147.600	-11.373	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	150.900	-11.362	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
OF	154.200	-11.351	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	157.500	-11.339	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	160.800	-11.328	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	164.000	-11.316	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	167.300	-11.305	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
OF	170.600	-11.294	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	173.900	-11.282	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	177.200	-11.271	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
OF	180.400	-11.260	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	183.700	-11.248	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	187.000	-11.237	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	190.300	-11.224	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	193.600	-11.211	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
OF	196.800	-11.197	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	200.100	-11.184	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	203.400	-11.171	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	206.700	-11.158	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	210.000	-11.145	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	213.300	-11.131	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	216.500	-11.118	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	219.800	-11.105	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	223.100	-11.092	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	226.400	-11.079	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	229.700	-11.065	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	232.900	-11.052	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
OF	236.200	-11.039	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	239.500	-11.026	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	242.800	-11.013	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	246.100	-10.999	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	249.300	-10.986	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	252.600	-10.973	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	255.900	-10.960	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	259.200	-10.947	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	262.500	-10.933	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	265.700	-10.920	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
OF	269.000	-10.907	0.000	9.365	0.000	0.000	0.000	0.000	0.004	0.000
OF	272.300	-10.894	0.000	9.365	0.000	0.000	0.000	0.000	0.004	0.000
OF	275.600	-10.878	0.000	9.365	0.000	0.000	0.000	0.000	0.007	0.000
OF	278.900	-10.850	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	282.200	-10.823	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
OF	285.400	-10.795	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
OF	288.700	-10.767	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	292.000	-10.740	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	295.300	-10.712	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	298.600	-10.685	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
OF	301.800	-10.657	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
OF	305.100	-10.629	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	308.400	-10.602	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	311.700	-10.574	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
OF	315.000	-10.547	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
OF	318.200	-10.519	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
OF	321.500	-10.491	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
OF	324.800	-10.464	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
OF	328.100	-10.436	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
OF	331.400	-10.409	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
OF	334.600	-10.381	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
OF	337.900	-10.353	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
OF	341.200	-10.326	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
OF	344.500	-10.298	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
OF	347.800	-10.271	0.000	9.367	0.000	0.000	0.000	0.000	0.009	0.000
OF	351.000	-10.243	0.000	9.367	0.000	0.000	0.000	0.000	0.009	0.000
OF	354.300	-10.215	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
OF	357.600	-10.188	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
OF	360.900	-10.160	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
OF	364.200	-10.133	0.000	9.367	0.000	0.000	0.000	0.000	0.007	0.000
OF	367.500	-10.117	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
OF	370.700	-10.100	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
OF	374.000	-10.084	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
OF	377.300	-10.068	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
OF	380.600	-10.052	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
OF	383.900	-10.035	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
OF	387.100	-10.019	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
OF	390.400	-10.003	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
OF	393.700	-9.987	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
OF	397.000	-9.970	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000

OF	400.300	-9.954	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
OF	403.500	-9.938	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
OF	406.800	-9.922	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
OF	410.100	-9.905	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
OF	413.400	-9.889	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
OF	416.700	-9.873	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
OF	419.900	-9.857	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
OF	423.200	-9.840	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
OF	426.500	-9.824	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
OF	429.800	-9.808	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
OF	433.100	-9.791	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
OF	436.400	-9.775	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
OF	439.600	-9.759	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
OF	442.900	-9.743	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
OF	446.200	-9.726	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
OF	449.500	-9.710	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
OF	452.800	-9.694	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
OF	456.000	-9.677	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
OF	459.300	-9.661	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
OF	462.600	-9.645	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
OF	465.900	-9.629	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
OF	469.200	-9.612	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
OF	472.400	-9.596	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
OF	475.700	-9.580	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
OF	479.000	-9.564	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
OF	482.300	-9.547	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
OF	485.600	-9.531	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
OF	488.800	-9.513	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
OF	492.100	-9.495	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
OF	495.400	-9.478	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
OF	498.700	-9.460	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
OF	502.000	-9.443	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
OF	505.200	-9.425	0.000	9.378	0.000	0.000	0.000	0.000	0.006	0.000
OF	508.500	-9.405	0.000	9.378	0.000	0.000	0.000	0.000	0.007	0.000
OF	511.800	-9.380	0.000	9.378	0.000	0.000	0.000	0.000	0.008	0.000
OF	515.100	-9.354	0.000	9.378	0.000	0.000	0.000	0.000	0.008	0.000
OF	518.400	-9.329	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
OF	521.700	-9.303	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
OF	524.900	-9.278	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
OF	528.200	-9.252	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
OF	531.500	-9.226	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
OF	534.800	-9.200	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
OF	538.100	-9.174	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
OF	541.300	-9.148	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
OF	544.600	-9.123	0.000	9.381	0.000	0.000	0.000	0.000	0.008	0.000
OF	547.900	-9.097	0.000	9.381	0.000	0.000	0.000	0.000	0.008	0.000
OF	551.200	-9.071	0.000	9.381	0.000	0.000	0.000	0.000	0.008	0.000
OF	554.500	-9.045	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
OF	557.700	-9.019	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
OF	561.000	-8.993	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
OF	564.300	-8.968	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
OF	567.600	-8.942	0.000	9.383	0.000	0.000	0.000	0.000	0.008	0.000
OF	570.900	-8.916	0.000	9.383	0.000	0.000	0.000	0.000	0.008	0.000
OF	574.100	-8.890	0.000	9.383	0.000	0.000	0.000	0.000	0.008	0.000
OF	577.400	-8.864	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
OF	580.700	-8.838	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
OF	584.000	-8.813	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
OF	587.300	-8.787	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
OF	590.500	-8.761	0.000	9.385	0.000	0.000	0.000	0.000	0.008	0.000
OF	593.800	-8.735	0.000	9.385	0.000	0.000	0.000	0.000	0.008	0.000
OF	597.100	-8.709	0.000	9.385	0.000	0.000	0.000	0.000	0.008	0.000
OF	600.400	-8.683	0.000	9.386	0.000	0.000	0.000	0.000	0.008	0.000
OF	603.700	-8.658	0.000	9.386	0.000	0.000	0.000	0.000	0.008	0.000
OF	607.000	-8.632	0.000	9.386	0.000	0.000	0.000	0.000	0.008	0.000
OF	610.200	-8.606	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
OF	613.500	-8.580	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
OF	616.800	-8.554	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
OF	620.100	-8.528	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
OF	623.400	-8.499	0.000	9.388	0.000	0.000	0.000	0.000	0.011	0.000
OF	626.600	-8.456	0.000	9.388	0.000	0.000	0.000	0.000	0.013	0.000
OF	629.900	-8.414	0.000	9.388	0.000	0.000	0.000	0.000	0.013	0.000
OF	633.200	-8.371	0.000	9.388	0.000	0.000	0.000	0.000	0.013	0.000
OF	636.500	-8.328	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
OF	639.800	-8.286	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
OF	643.000	-8.243	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
OF	646.300	-8.201	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
OF	649.600	-8.158	0.000	9.390	0.000	0.000	0.000	0.000	0.013	0.000
OF	652.900	-8.115	0.000	9.390	0.000	0.000	0.000	0.000	0.013	0.000
OF	656.200	-8.073	0.000	9.390	0.000	0.000	0.000	0.000	0.013	0.000
OF	659.400	-8.030	0.000	9.391	0.000	0.000	0.000	0.000	0.013	0.000
OF	662.700	-7.987	0.000	9.391	0.000	0.000	0.000	0.000	0.013	0.000
OF	666.000	-7.945	0.000	9.391	0.000	0.000	0.000	0.000	0.013	0.000
OF	669.300	-7.902	0.000	9.392	0.000	0.000	0.000	0.000	0.013	0.000
OF	672.600	-7.859	0.000	9.392	0.000	0.000	0.000	0.000	0.013	0.000
OF	675.900	-7.817	0.000	9.392	0.000	0.000	0.000	0.000	0.013	0.000
OF	679.100	-7.774	0.000	9.393	0.000	0.000	0.000	0.000	0.013	0.000
OF	682.400	-7.732	0.000	9.393	0.000	0.000	0.000	0.000	0.013	0.000
OF	685.700	-7.689	0.000	9.394	0.000	0.000	0.000	0.000	0.013	0.000
OF	689.000	-7.646	0.000	9.394	0.000	0.000	0.000	0.000	0.013	0.000
OF	692.300	-7.604	0.000	9.394	0.000	0.000	0.000	0.000	0.013	0.000
OF	695.500	-7.561	0.000	9.395	0.000	0.000	0.000	0.000	0.013	0.000
OF	698.800	-7.518	0.000	9.395	0.000	0.000	0.000	0.000	0.013	0.000
OF	702.100	-7.476	0.000	9.395	0.000	0.000	0.000	0.000	0.013	0.000
OF	705.400	-7.433	0.000	9.396	0.000	0.000	0.000	0.000	0.013	0.000
OF	708.700	-7.391	0.000	9.396	0.000	0.000	0.000	0.000	0.013	0.000
OF	711.900	-7.346	0.000	9.397	0.000	0.000	0.000	0.000	0.014	0.000
OF	715.200	-7.300	0.000	9.397	0.000	0.000	0.000	0.000	0.014	0.000
OF	718.500	-7.253	0.000	9.397	0.000	0.000	0.000	0.000	0.014	0.000
OF	721.800	-7.206	0.000	9.398	0.000	0.000	0.000	0.000	0.014	0.000
OF	725.100	-7.160	0.000	9.399	0.000	0.000	0.000	0.000	0.012	0.000
OF	728.300	-7.127	0.000	9.399	0.000	0.000	0.000	0.000	0.010	0.000
OF	731.600	-7.095	0.000	9.400	0.000	0.000	0.000	0.000	0.010	0.000

OF	734.900	-7.063	0.000	9.400	0.000	0.000	0.000	0.000	0.010	0.000
OF	738.200	-7.030	0.000	9.401	0.000	0.000	0.000	0.000	0.010	0.000
OF	741.500	-6.998	0.000	9.401	0.000	0.000	0.000	0.000	0.010	0.000
OF	744.700	-6.966	0.000	9.402	0.000	0.000	0.000	0.000	0.010	0.000
OF	748.000	-6.934	0.000	9.402	0.000	0.000	0.000	0.000	0.010	0.000
OF	751.300	-6.902	0.000	9.403	0.000	0.000	0.000	0.000	0.010	0.000
OF	754.600	-6.870	0.000	9.403	0.000	0.000	0.000	0.000	0.010	0.000
OF	757.900	-6.837	0.000	9.404	0.000	0.000	0.000	0.000	0.010	0.000
OF	761.200	-6.805	0.000	9.404	0.000	0.000	0.000	0.000	0.010	0.000
OF	764.400	-6.773	0.000	9.405	0.000	0.000	0.000	0.000	0.010	0.000
OF	767.700	-6.741	0.000	9.405	0.000	0.000	0.000	0.000	0.010	0.000
OF	771.000	-6.709	0.000	9.406	0.000	0.000	0.000	0.000	0.010	0.000
OF	774.300	-6.677	0.000	9.406	0.000	0.000	0.000	0.000	0.010	0.000
OF	777.600	-6.644	0.000	9.407	0.000	0.000	0.000	0.000	0.010	0.000
OF	780.800	-6.612	0.000	9.408	0.000	0.000	0.000	0.000	0.010	0.000
OF	784.100	-6.580	0.000	9.408	0.000	0.000	0.000	0.000	0.010	0.000
OF	787.400	-6.548	0.000	9.409	0.000	0.000	0.000	0.000	0.010	0.000
OF	790.700	-6.516	0.000	9.409	0.000	0.000	0.000	0.000	0.010	0.000
OF	794.000	-6.484	0.000	9.410	0.000	0.000	0.000	0.000	0.010	0.000
OF	797.200	-6.449	0.000	9.410	0.000	0.000	0.000	0.000	0.011	0.000
OF	800.500	-6.414	0.000	9.411	0.000	0.000	0.000	0.000	0.011	0.000
OF	803.800	-6.379	0.000	9.411	0.000	0.000	0.000	0.000	0.011	0.000
OF	807.100	-6.344	0.000	9.412	0.000	0.000	0.000	0.000	0.011	0.000
OF	810.400	-6.310	0.000	9.413	0.000	0.000	0.000	0.000	0.011	0.000
OF	813.600	-6.274	0.000	9.413	0.000	0.000	0.000	0.000	0.011	0.000
OF	816.900	-6.240	0.000	9.414	0.000	0.000	0.000	0.000	0.011	0.000
OF	820.200	-6.205	0.000	9.414	0.000	0.000	0.000	0.000	0.011	0.000
OF	823.500	-6.170	0.000	9.415	0.000	0.000	0.000	0.000	0.009	0.000
OF	826.800	-6.145	0.000	9.416	0.000	0.000	0.000	0.000	0.006	0.000
OF	830.100	-6.131	0.000	9.416	0.000	0.000	0.000	0.000	0.004	0.000
OF	833.300	-6.120	0.000	9.417	0.000	0.000	0.000	0.000	0.003	0.000
OF	836.600	-6.111	0.000	9.418	0.000	0.000	0.000	0.000	0.002	0.000
OF	839.900	-6.103	0.000	9.418	0.000	0.000	0.000	0.000	0.002	0.000
OF	843.200	-6.095	0.000	9.419	0.000	0.000	0.000	0.000	0.002	0.000
OF	846.500	-6.087	0.000	9.420	0.000	0.000	0.000	0.000	0.002	0.000
OF	849.700	-6.079	0.000	9.421	0.000	0.000	0.000	0.000	0.002	0.000
OF	853.000	-6.071	0.000	9.422	0.000	0.000	0.000	0.000	0.002	0.000
OF	856.300	-6.063	0.000	9.422	0.000	0.000	0.000	0.000	0.002	0.000
OF	859.600	-6.055	0.000	9.423	0.000	0.000	0.000	0.000	0.002	0.000
OF	862.900	-6.047	0.000	9.424	0.000	0.000	0.000	0.000	0.002	0.000
OF	866.100	-6.039	0.000	9.424	0.000	0.000	0.000	0.000	0.002	0.000
OF	869.400	-6.031	0.000	9.425	0.000	0.000	0.000	0.000	0.002	0.000
OF	872.700	-6.023	0.000	9.426	0.000	0.000	0.000	0.000	0.002	0.000
OF	876.000	-6.015	0.000	9.427	0.000	0.000	0.000	0.000	0.002	0.000
OF	879.300	-6.007	0.000	9.427	0.000	0.000	0.000	0.000	0.002	0.000
OF	882.500	-5.999	0.000	9.428	0.000	0.000	0.000	0.000	0.002	0.000
OF	885.800	-5.991	0.000	9.429	0.000	0.000	0.000	0.000	0.002	0.000
OF	889.100	-5.983	0.000	9.429	0.000	0.000	0.000	0.000	0.002	0.000
OF	892.400	-5.975	0.000	9.430	0.000	0.000	0.000	0.000	0.002	0.000
OF	895.700	-5.966	0.000	9.430	0.000	0.000	0.000	0.000	0.002	0.000
OF	898.900	-5.958	0.000	9.431	0.000	0.000	0.000	0.000	0.002	0.000
OF	902.200	-5.950	0.000	9.432	0.000	0.000	0.000	0.000	0.002	0.000
OF	905.500	-5.942	0.000	9.432	0.000	0.000	0.000	0.000	0.002	0.000
OF	908.800	-5.934	0.000	9.433	0.000	0.000	0.000	0.000	0.002	0.000
OF	912.100	-5.926	0.000	9.434	0.000	0.000	0.000	0.000	0.003	0.000
OF	915.400	-5.915	0.000	9.434	0.000	0.000	0.000	0.000	0.024	0.000
OF	918.600	-5.770	0.000	9.434	0.000	0.000	0.000	0.000	0.049	0.000
OF	921.900	-5.599	0.000	9.433	0.000	0.000	0.000	0.000	0.052	0.000
OF	925.200	-5.428	0.000	9.433	0.000	0.000	0.000	0.000	0.052	0.000
OF	928.500	-5.257	0.000	9.432	0.000	0.000	0.000	0.000	0.052	0.000
OF	931.800	-5.086	0.000	9.432	0.000	0.000	0.000	0.000	0.053	0.000
OF	935.000	-4.916	0.000	9.431	0.000	0.000	0.000	0.000	0.053	0.000
OF	938.300	-4.745	0.000	9.431	0.000	0.000	0.000	0.000	0.052	0.000
OF	941.600	-4.574	0.000	9.431	0.000	0.000	0.000	0.000	0.052	0.000
OF	944.900	-4.403	0.000	9.431	0.000	0.000	0.000	0.000	0.052	0.000
OF	948.200	-4.233	0.000	9.430	0.000	0.000	0.000	0.000	0.051	0.000
OF	951.400	-4.071	0.000	9.430	0.000	0.000	0.000	0.000	0.050	0.000
OF	954.700	-3.909	0.000	9.431	0.000	0.000	0.000	0.000	0.049	0.000
OF	958.000	-3.747	0.000	9.431	0.000	0.000	0.000	0.000	0.049	0.000
OF	961.300	-3.586	0.000	9.431	0.000	0.000	0.000	0.000	0.049	0.000
OF	964.600	-3.424	0.000	9.432	0.000	0.000	0.000	0.000	0.050	0.000
OF	967.800	-3.262	0.000	9.432	0.000	0.000	0.000	0.000	0.050	0.000
OF	971.100	-3.101	0.000	9.433	0.000	0.000	0.000	0.000	0.049	0.000
OF	974.400	-2.939	0.000	9.434	0.000	0.000	0.000	0.000	0.049	0.000
OF	977.700	-2.777	0.000	9.435	0.000	0.000	0.000	0.000	0.049	0.000
OF	981.000	-2.615	0.000	9.436	0.000	0.000	0.000	0.000	0.050	0.000
OF	984.200	-2.454	0.000	9.437	0.000	0.000	0.000	0.000	0.050	0.000
OF	987.500	-2.292	0.000	9.438	0.000	0.000	0.000	0.000	0.049	0.000
OF	990.800	-2.130	0.000	9.440	0.000	0.000	0.000	0.000	0.052	0.000
OF	994.100	-1.946	0.000	9.442	0.000	0.000	0.000	0.000	0.063	0.000
OF	997.400	-1.712	0.000	9.442	0.000	0.000	0.000	0.000	0.071	0.000
OF	1000.700	-1.477	0.000	9.444	0.000	0.000	0.000	0.000	0.072	0.000
OF	1003.900	-1.242	0.000	9.446	0.000	0.000	0.000	0.000	0.072	0.000
OF	1007.200	-1.007	0.000	9.448	0.000	0.000	0.000	0.000	0.071	0.000
OF	1010.500	-0.772	0.000	9.450	0.000	0.000	0.000	0.000	0.071	0.000
OF	1013.800	-0.537	0.000	9.453	0.000	0.000	0.000	0.000	0.071	0.000
OF	1017.100	-0.302	0.000	9.457	0.000	0.000	0.000	0.000	0.072	0.000
OF	1020.300	-0.067	0.000	9.460	0.000	0.000	0.000	0.000	0.014	0.000
OF	1023.600	-0.208	0.000	9.471	0.000	0.000	0.000	0.000	0.020	0.000
IF	1026.900	0.065	0.000	9.474	0.000	0.000	0.000	0.000	0.083	0.000
IF	1030.200	0.338	0.000	9.477	0.000	0.000	0.000	0.000	0.070	0.000
IF	1033.500	0.529	0.000	9.483	0.000	0.000	0.000	0.000	0.057	0.000
IF	1036.700	0.711	0.000	9.489	0.000	0.000	0.000	0.000	0.055	0.000
IF	1040.000	0.884	0.000	9.495	0.000	0.000	0.000	0.000	0.060	0.000
IF	1043.300	1.107	0.000	9.502	0.000	0.000	0.000	0.000	0.079	0.000
IF	1046.600	1.406	0.000	9.506	0.000	0.000	0.000	0.000	0.091	0.000
IF	1049.900	1.704	0.000	9.512	0.000	0.000	0.000	0.000	0.091	0.000
IF	1053.100	1.996	0.000	9.520	0.000	0.000	0.000	0.000	0.089	0.000
IF	1056.400	2.283	0.000	9.528	0.000	0.000	0.000	0.000	0.056	0.000
IF	1059.700	2.365	0.000	9.542	0.000	0.000	0.000	0.000	0.022	0.000
IF	1063.000	2.425	0.000	9.555	0.000	0.000	0.000	0.000	0.036	0.000
IF	1066.300	2.601	0.000	9.566	0.000	0.000	0.000	0.000	0.049	0.000

IF	1069.600	2.744	0.000	9.578	0.000	0.000	0.000	0.000	0.076	0.000
IF	1072.800	3.093	0.000	9.585	0.000	0.000	0.000	0.000	0.131	0.000
IF	1076.100	3.593	0.000	9.590	0.000	0.000	0.000	0.000	0.149	0.000
IF	1079.400	4.074	0.000	9.599	0.000	0.000	0.000	0.000	0.096	0.000
IF	1082.700	4.226	0.000	9.622	0.000	0.000	0.000	0.000	0.021	0.000
IF	1086.000	4.212	0.000	9.647	0.000	0.000	0.000	0.000	0.023	0.000
IF	1089.200	4.373	0.000	9.665	0.000	0.000	0.000	0.000	0.094	0.000
IF	1092.500	4.825	0.000	9.676	0.000	0.000	0.000	0.000	0.141	0.000
IF	1095.800	5.305	0.000	9.693	0.000	0.000	0.000	0.000	0.122	0.000
IF	1099.100	5.631	0.000	9.720	0.000	0.000	0.000	0.000	0.085	0.000
IF	1102.400	5.866	0.000	9.752	0.000	0.000	0.000	0.000	0.062	0.000
IF	1105.600	6.032	0.000	9.785	0.000	0.000	0.000	0.000	0.048	0.000
IF	1108.900	6.181	0.000	9.814	0.000	0.000	0.000	0.000	0.064	0.000
IF	1112.200	6.453	0.000	9.840	0.000	0.000	0.000	0.000	0.086	0.000
IF	1115.500	6.751	0.000	9.866	0.000	0.000	0.000	0.000	0.043	0.000
IF	1118.800	6.737	0.000	9.901	0.000	0.000	0.000	0.000	-0.016	0.000
IF	1122.000	6.648	0.000	9.929	0.000	0.000	0.000	0.000	-0.030	0.000
IF	1125.300	6.542	0.000	9.950	0.000	0.000	0.000	0.000	-0.030	0.000
IF	1128.600	6.453	0.000	9.966	0.000	0.000	0.000	0.000	-0.034	0.000
IF	1131.900	6.316	0.000	9.978	0.000	0.000	0.000	0.000	-0.051	0.000
IF	1135.200	6.115	0.000	9.988	0.000	0.000	0.000	0.000	-0.058	0.000
IF	1138.400	5.938	0.000	9.995	0.000	0.000	0.000	0.000	-0.031	0.000
IF	1141.700	5.911	0.000	9.999	0.000	0.000	0.000	0.000	-0.008	0.000
IF	1145.000	5.884	0.000	10.002	0.000	0.000	0.000	0.000	-0.006	0.000
IF	1148.300	5.871	0.000	10.004	0.000	0.000	0.000	0.000	-0.003	0.000
IF	1151.600	5.863	0.000	10.007	0.000	0.000	0.000	0.000	-0.002	0.000
IF	1154.900	5.856	0.000	10.009	0.000	0.000	0.000	0.000	-0.002	0.000
IF	1158.100	5.848	0.000	10.010	0.000	0.000	0.000	0.000	-0.020	0.000
IF	1161.400	5.726	0.000	10.013	0.000	0.000	0.000	0.000	-0.083	0.000
IF	1164.700	5.304	0.000	10.019	0.000	0.000	0.000	0.000	-0.128	0.000
IF	1168.000	4.882	0.000	10.023	0.000	0.000	0.000	0.000	-0.128	0.000
IF	1171.300	4.461	0.000	10.025	0.000	0.000	0.000	0.000	-0.081	0.000
IF	1174.500	4.357	0.000	10.026	0.000	0.000	0.000	0.000	-0.002	0.000
IF	1177.800	4.447	0.000	10.026	0.000	0.000	0.000	0.000	0.020	0.000
IF	1181.100	4.489	0.000	10.025	0.000	0.000	0.000	0.000	0.011	0.000
IF	1184.400	4.518	0.000	10.025	0.000	0.000	0.000	0.000	0.009	0.000
IF	1187.700	4.547	0.000	10.025	0.000	0.000	0.000	0.000	0.033	0.000
IF	1190.900	4.732	0.000	10.024	0.000	0.000	0.000	0.000	0.087	0.000
IF	1194.200	5.115	0.000	10.021	0.000	0.000	0.000	0.000	0.116	0.000
IF	1197.500	5.497	0.000	10.018	0.000	0.000	0.000	0.000	0.161	0.000
IF	1200.800	6.176	0.000	10.012	0.000	0.000	0.000	0.000	0.246	0.000
IF	1204.100	7.121	0.000	10.000	0.000	0.000	0.000	0.000	0.314	0.000
IF	1207.300	8.217	0.000	10.006	0.000	0.000	0.000	0.000	0.337	0.000
IF	1210.600	9.313	0.000	10.225	0.000	0.000	0.000	0.000	0.329	0.000
IF	1213.400	10.225	0.000	10.225	0.000	0.000	0.000	0.000	0.326	0.000
AS	1278.000	9.639	0.000	9.639	0.000	0.000	0.000	0.000	-0.324	0.000
IF	1280.500	8.829	0.000	9.639	0.000	0.000	0.000	0.000	-0.027	0.000
IF	1292.000	9.255	0.000	9.639	0.000	0.000	0.000	0.000	-0.008	0.000
IF	1300.500	8.665	0.000	9.639	0.000	0.000	0.000	0.000	-0.012	0.000
IF	1316.000	8.960	0.000	9.639	0.000	0.000	0.000	0.000	0.049	0.000
IF	1320.400	9.639	0.000	9.639	0.000	0.000	0.000	0.000	0.154	0.000
AS	1444.400	9.605	0.000	9.605	0.000	0.000	0.000	0.000	-0.054	0.000
IF	1448.500	9.383	0.000	9.605	0.000	0.000	0.000	0.000	-0.023	0.000
IF	1458.500	9.285	0.000	9.605	0.000	0.000	0.000	0.000	-0.045	0.000
IF	1468.500	8.488	0.000	9.605	0.000	0.000	0.000	0.000	-0.071	0.000
IF	1473.000	8.258	0.000	9.605	0.000	0.000	0.000	0.000	0.003	0.000
IF	1486.000	8.533	0.000	9.605	0.000	0.000	0.000	0.000	-0.003	0.000
IF	1501.500	8.173	0.000	9.605	0.000	0.000	0.000	0.000	0.013	0.000
IF	1509.500	8.829	0.000	9.605	0.000	0.000	0.000	0.000	0.012	0.000
IF	1537.000	8.599	0.000	9.605	0.000	0.000	0.000	0.000	-0.005	0.000
IF	1552.000	8.632	0.000	9.605	0.000	0.000	0.000	0.000	-0.002	0.000
IF	1564.000	8.533	0.000	9.605	0.000	0.000	0.000	0.000	0.034	0.000
IF	1572.000	9.321	0.000	9.606	0.000	0.000	0.000	0.000	-0.004	0.000
IF	1589.000	8.435	0.000	9.606	0.000	0.000	0.000	0.000	0.000	0.000
IF	1617.500	9.301	0.000	9.606	0.000	0.000	0.000	0.000	0.015	0.000
IF	1627.000	9.026	0.000	9.606	0.000	0.000	0.000	0.000	-0.046	0.000
IF	1637.000	8.402	0.000	9.607	0.000	0.000	0.000	0.000	-0.062	0.000
IF	1646.500	7.812	0.000	9.607	0.000	0.000	0.000	0.000	-0.011	0.000
IF	1660.500	8.140	0.000	9.607	0.000	0.000	0.000	0.000	0.007	0.000
IF	1673.500	8.009	0.000	9.607	0.000	0.000	0.000	0.000	-0.018	0.000
IF	1684.000	7.713	0.000	9.607	0.000	0.000	0.000	0.000	-0.110	0.000
IF	1695.000	5.643	0.000	9.608	0.000	0.000	0.000	0.000	-0.075	0.000
IF	1709.500	5.807	0.000	9.608	0.000	0.000	0.000	0.000	-0.035	0.000
IF	1722.500	4.692	0.000	9.608	0.000	0.000	0.000	0.000	-0.061	0.000
IF	1732.000	4.429	0.000	9.608	0.000	0.000	0.000	0.000	0.004	0.000
IF	1739.500	4.757	0.000	9.608	0.000	0.000	0.000	0.000	0.016	0.000
IF	1746.000	4.659	0.000	9.609	0.000	0.000	0.000	0.000	-0.030	0.000
IF	1751.500	4.396	0.000	9.609	0.000	0.000	0.000	0.000	0.012	0.000
IF	1759.500	4.823	0.000	9.609	0.000	0.000	0.000	0.000	0.077	0.000
IF	1771.500	5.938	0.000	9.609	0.000	0.000	0.000	0.000	0.030	0.000
IF	1780.500	5.450	0.000	9.609	0.000	0.000	0.000	0.000	0.042	0.000
IF	1789.500	6.696	0.000	9.609	0.000	0.000	0.000	0.000	0.060	0.000
IF	1797.000	6.434	0.000	9.609	0.000	0.000	0.000	0.000	-0.012	0.000
IF	1800.500	6.565	0.000	9.610	0.000	0.000	0.000	0.000	0.028	0.000
IF	1804.000	6.631	0.000	9.610	0.000	0.000	0.000	0.000	0.027	0.000
IF	1809.000	6.795	0.000	9.610	0.000	0.000	0.000	0.000	0.046	0.000
IF	1815.500	7.155	0.000	9.610	0.000	0.000	0.000	0.000	0.000	0.000
IF	1827.500	6.795	0.000	9.610	0.000	0.000	0.000	0.000	0.026	0.000
IF	1837.000	7.713	0.000	9.610	0.000	0.000	0.000	0.000	0.106	0.000
IF	1845.500	8.698	0.000	9.610	0.000	0.000	0.000	0.000	0.056	0.000
IF	1860.500	9.026	0.000	9.609	0.000	0.000	0.000	0.000	-0.009	0.000
IF	1878.500	8.402	0.000	9.609	0.000	0.000	0.000	0.000	-0.013	0.000
IF	1900.000	8.533	0.000	9.608	0.000	0.000	0.000	0.000	-0.031	0.000
IF	1919.500	7.123	0.000	9.607	0.000	0.000	0.000	0.000	-0.043	0.000
IF	1932.000	7.155	0.000	9.607	0.000	0.000	0.000	0.000	-0.069	0.000
IF	1939.000	5.778	0.000	9.607	0.000	0.000	0.000	0.000	-0.140	0.000
IF	1943.000	5.614	0.000	9.607	0.000	0.000	0.000	0.000	-0.035	0.000
IF	1946.500	5.515	0.000	9.607	0.000	0.000	0.000	0.000	-0.235	0.000
OF	1986.000	-4.471	0.000	9.607	0.000	0.000	0.000	0.000	-0.251	0.000
OF	1987.000	-4.647	0.000	9.607	0.000	0.000	0.000	0.000	-0.008	0.000
OF	2051.000	-4.983	0.000	9.607	0.000	0.000	0.000	0.000	-0.004	0.000
OF	2062.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000

OF	2063.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
OF	2064.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
OF	2065.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
OF	2066.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
OF	2067.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
OF	2068.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
OF	2070.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.024	0.000
OF	2071.000	-4.911	0.000	9.607	0.000	0.000	0.000	0.000	0.097	0.000
OF	2073.000	-4.693	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2074.000	-4.583	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2076.000	-4.365	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2077.000	-4.255	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2079.000	-4.036	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2080.000	-3.927	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2082.000	-3.708	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
OF	2083.000	-3.599	0.000	9.607	0.000	0.000	0.000	0.000	0.061	0.000
OF	2088.000	-3.342	0.000	9.608	0.000	0.000	0.000	0.000	0.051	0.000
OF	2089.000	-3.292	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2094.000	-3.043	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2095.000	-2.994	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2098.000	-2.844	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2100.000	-2.745	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2104.000	-2.545	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2107.000	-2.396	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2109.000	-2.297	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2116.000	-1.948	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2118.000	-1.849	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2125.000	-1.500	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2127.000	-1.401	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
OF	2154.000	-0.042	0.000	9.609	0.000	0.000	0.000	0.000	0.138	0.000
IF	2158.000	2.890	0.000	9.609	0.000	0.000	0.000	0.000	0.137	0.000
IF	2167.000	1.742	0.000	9.609	0.000	0.000	0.000	0.000	0.031	0.000
IF	2176.000	3.448	0.000	9.609	0.000	0.000	0.000	0.000	0.113	0.000
IF	2185.500	3.842	0.000	9.610	0.000	0.000	0.000	0.000	0.017	0.000
IF	2197.500	3.809	0.000	9.610	0.000	0.000	0.000	0.000	-0.013	0.000
IF	2208.000	3.547	0.000	9.610	0.000	0.000	0.000	0.000	0.002	0.000
IF	2216.000	3.842	0.000	9.611	0.000	0.000	0.000	0.000	-0.002	0.000
IF	2224.000	3.510	0.000	9.611	0.000	0.000	0.000	0.000	-0.031	0.000
IF	2229.000	3.445	0.000	9.611	0.000	0.000	0.000	0.000	0.007	0.000
IF	2233.500	3.576	0.000	9.611	0.000	0.000	0.000	0.000	0.066	0.000
IF	2243.500	4.396	0.000	9.611	0.000	0.000	0.000	0.000	0.056	0.000
IF	2251.000	4.560	0.000	9.611	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2254.000	4.331	0.000	9.611	0.000	0.000	0.000	0.000	-0.048	0.000
IF	2256.500	4.298	0.000	9.611	0.000	0.000	0.000	0.000	0.000	0.000
IF	2264.500	4.331	0.000	9.611	0.000	0.000	0.000	0.000	0.000	0.000
IF	2273.500	4.298	0.000	9.611	0.000	0.000	0.000	0.000	-0.022	0.000
IF	2281.000	3.970	0.000	9.612	0.000	0.000	0.000	0.000	-0.048	0.000
IF	2290.000	3.510	0.000	9.612	0.000	0.000	0.000	0.000	0.011	0.000
IF	2296.000	4.134	0.000	9.612	0.000	0.000	0.000	0.000	0.000	0.000
IF	2300.500	3.510	0.000	9.612	0.000	0.000	0.000	0.000	-0.137	0.000
IF	2308.000	2.493	0.000	9.612	0.000	0.000	0.000	0.000	0.052	0.000
IF	2315.500	4.298	0.000	9.612	0.000	0.000	0.000	0.000	0.131	0.000
IF	2323.000	4.462	0.000	9.612	0.000	0.000	0.000	0.000	0.015	0.000
IF	2331.000	4.528	0.000	9.612	0.000	0.000	0.000	0.000	-0.025	0.000
IF	2336.000	4.134	0.000	9.613	0.000	0.000	0.000	0.000	-0.051	0.000
IF	2337.500	4.200	0.000	9.613	0.000	0.000	0.000	0.000	0.030	0.000
IF	2346.000	4.429	0.000	9.613	0.000	0.000	0.000	0.000	0.021	0.000
IF	2359.500	4.659	0.000	9.613	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2368.000	4.298	0.000	9.613	0.000	0.000	0.000	0.000	0.000	0.000
IF	2374.000	4.659	0.000	9.613	0.000	0.000	0.000	0.000	0.013	0.000
IF	2390.500	4.593	0.000	9.614	0.000	0.000	0.000	0.000	-0.007	0.000
IF	2404.000	4.462	0.000	9.614	0.000	0.000	0.000	0.000	-0.003	0.000
IF	2410.500	4.528	0.000	9.614	0.000	0.000	0.000	0.000	0.000	0.000
IF	2418.500	4.462	0.000	9.614	0.000	0.000	0.000	0.000	0.002	0.000
IF	2423.500	4.560	0.000	9.614	0.000	0.000	0.000	0.000	-0.014	0.000
IF	2433.000	4.265	0.000	9.615	0.000	0.000	0.000	0.000	-0.012	0.000
IF	2443.500	4.331	0.000	9.615	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2453.500	4.137	0.000	9.616	0.000	0.000	0.000	0.000	0.000	0.000
IF	2464.500	4.334	0.000	9.616	0.000	0.000	0.000	0.000	0.002	0.000
IF	2475.500	4.170	0.000	9.617	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2488.000	4.203	0.000	9.617	0.000	0.000	0.000	0.000	0.016	0.000
IF	2502.500	4.593	0.000	9.618	0.000	0.000	0.000	0.000	0.032	0.000
IF	2536.500	5.741	0.000	9.619	0.000	0.000	0.000	0.000	-0.003	0.000
IF	2540.000	4.495	0.000	9.619	0.000	0.000	0.000	0.000	-0.106	0.000
IF	2552.000	4.101	0.000	9.619	0.000	0.000	0.000	0.000	0.010	0.000
IF	2566.500	4.757	0.000	9.620	0.000	0.000	0.000	0.000	0.010	0.000
IF	2574.500	4.331	0.000	9.620	0.000	0.000	0.000	0.000	-0.021	0.000
IF	2583.500	4.396	0.000	9.620	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2590.500	4.232	0.000	9.621	0.000	0.000	0.000	0.000	0.007	0.000
IF	2597.000	4.495	0.000	9.621	0.000	0.000	0.000	0.000	0.020	0.000
IF	2607.000	4.560	0.000	9.621	0.000	0.000	0.000	0.000	-0.013	0.000
IF	2618.000	4.232	0.000	9.622	0.000	0.000	0.000	0.000	-0.009	0.000
IF	2628.500	4.364	0.000	9.622	0.000	0.000	0.000	0.000	0.014	0.000
IF	2639.000	4.528	0.000	9.622	0.000	0.000	0.000	0.000	-0.004	0.000
IF	2646.000	4.298	0.000	9.623	0.000	0.000	0.000	0.000	0.007	0.000
IF	2648.000	4.593	0.000	9.623	0.000	0.000	0.000	0.000	-0.029	0.000
IF	2654.000	4.068	0.000	9.623	0.000	0.000	0.000	0.000	-0.018	0.000
IF	2663.000	4.331	0.000	9.623	0.000	0.000	0.000	0.000	0.037	0.000
IF	2674.500	4.823	0.000	9.623	0.000	0.000	0.000	0.000	0.036	0.000
IF	2684.000	5.085	0.000	9.623	0.000	0.000	0.000	0.000	0.020	0.000
IF	2694.000	5.216	0.000	9.623	0.000	0.000	0.000	0.000	0.097	0.000
IF	2705.000	7.116	0.000	9.623	0.000	0.000	0.000	0.000	0.176	0.000
IF	2716.000	9.088	0.000	9.623	0.000	0.000	0.000	0.000	0.098	0.000
IF	2730.500	9.623	0.000	9.623	0.000	0.000	0.000	0.000	0.037	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	END 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	-11.947	1.000	1.000	9.361	13.142	12.900	56.140	0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1.000	-11.941	0.000	9.361	0.000	0.000	0.000	0.000	0.006	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2.000	-11.935	0.000	9.361	0.000	0.000	0.000	0.000	0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	3.300	-11.927	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	105.000	-11.521	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	111.500	-11.498	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	114.800	-11.487	0.000	9.361	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	118.100	-11.476	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	121.400	-11.464	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	124.700	-11.453	0.000	9.361	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	128.000	-11.442	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	131.200	-11.430	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	134.500	-11.419	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	137.800	-11.407	0.000	9.361	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	141.100	-11.396	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	144.400	-11.385	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	147.600	-11.373	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	150.900	-11.362	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	154.200	-11.351	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	157.500	-11.339	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	160.800	-11.328	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	164.000	-11.316	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	167.300	-11.305	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	170.600	-11.294	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	173.900	-11.282	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	177.200	-11.271	0.000	9.362	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	180.400	-11.260	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	183.700	-11.248	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	187.000	-11.237	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	190.300	-11.224	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	193.600	-11.211	0.000	9.362	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	196.800	-11.197	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	200.100	-11.184	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	203.400	-11.171	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	206.700	-11.158	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	210.000	-11.145	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	213.300	-11.131	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	216.500	-11.118	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	219.800	-11.105	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	223.100	-11.092	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	226.400	-11.079	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	229.700	-11.065	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	232.900	-11.052	0.000	9.363	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	236.200	-11.039	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	239.500	-11.026	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	242.800	-11.013	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	246.100	-10.999	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	249.300	-10.986	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	252.600	-10.973	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	255.900	-10.960	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	259.200	-10.947	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	262.500	-10.933	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	265.700	-10.920	0.000	9.364	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	269.000	-10.907	0.000	9.365	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	272.300	-10.894	0.000	9.365	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	275.600	-10.878	0.000	9.365	0.000	0.000	0.000	0.000	0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	278.900	-10.850	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	282.200	-10.823	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	285.400	-10.795	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	288.700	-10.767	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	292.000	-10.740	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	295.300	-10.712	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	298.600	-10.685	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	301.800	-10.657	0.000	9.365	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	305.100	-10.629	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	308.400	-10.602	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	311.700	-10.574	0.000	9.365	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	315.000	-10.547	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	318.200	-10.519	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	321.500	-10.491	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	324.800	-10.464	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	328.100	-10.436	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	331.400	-10.409	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	334.600	-10.381	0.000	9.366	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	337.900	-10.353	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	341.200	-10.326	0.000	9.366	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	344.500	-10.298	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	347.800	-10.271	0.000	9.367	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	351.000	-10.243	0.000	9.367	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	354.300	-10.215	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	357.600	-10.188	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	360.900	-10.160	0.000	9.367	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	364.200	-10.133	0.000	9.367	0.000	0.000	0.000	0.000	0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	367.500	-10.117	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	370.700	-10.100	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	374.000	-10.084	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	377.300	-10.068	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	380.600	-10.052	0.000	9.368	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	383.900	-10.035	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	387.100	-10.019	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	390.400	-10.003	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	393.700	-9.987	0.000	9.369	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	397.000	-9.970	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	400.300	-9.954	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	403.500	-9.938	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	406.800	-9.922	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	410.100	-9.905	0.000	9.370	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	413.400	-9.889	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	416.700	-9.873	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	419.900	-9.857	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	423.200	-9.840	0.000	9.371	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	426.500	-9.824	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	429.800	-9.808	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	433.100	-9.791	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	436.400	-9.775	0.000	9.372	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	439.600	-9.759	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	442.900	-9.743	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	446.200	-9.726	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	449.500	-9.710	0.000	9.373	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	452.800	-9.694	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	456.000	-9.677	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	459.300	-9.661	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	462.600	-9.645	0.000	9.374	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	465.900	-9.629	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	469.200	-9.612	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	472.400	-9.596	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	475.700	-9.580	0.000	9.375	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	479.000	-9.564	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	482.300	-9.547	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	485.600	-9.531	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	488.800	-9.513	0.000	9.376	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	492.100	-9.495	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	495.400	-9.478	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	498.700	-9.460	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	502.000	-9.443	0.000	9.377	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	505.200	-9.425	0.000	9.378	0.000	0.000	0.000	0.000	0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	508.500	-9.405	0.000	9.378	0.000	0.000	0.000	0.000	0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	511.800	-9.380	0.000	9.378	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	515.100	-9.354	0.000	9.378	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	518.400	-9.329	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	521.700	-9.303	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	524.900	-9.278	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	528.200	-9.252	0.000	9.379	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	531.500	-9.226	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	534.800	-9.200	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	538.100	-9.174	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	541.300	-9.148	0.000	9.380	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	544.600	-9.123	0.000	9.381	0.000	0.000	0.000	0.000	0.008	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	547.900	-9.097	0.000	9.381	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	551.200	-9.071	0.000	9.381	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	554.500	-9.045	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	557.700	-9.019	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	561.000	-8.993	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	564.300	-8.968	0.000	9.382	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	567.600	-8.942	0.000	9.383	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	570.900	-8.916	0.000	9.383	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	574.100	-8.890	0.000	9.383	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	577.400	-8.864	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	580.700	-8.838	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	584.000	-8.813	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	587.300	-8.787	0.000	9.384	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	590.500	-8.761	0.000	9.385	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	593.800	-8.735	0.000	9.385	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	597.100	-8.709	0.000	9.385	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	600.400	-8.683	0.000	9.386	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	603.700	-8.658	0.000	9.386	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	607.000	-8.632	0.000	9.386	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	610.200	-8.606	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	613.500	-8.580	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	616.800	-8.554	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	620.100	-8.528	0.000	9.387	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	623.400	-8.499	0.000	9.388	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	626.600	-8.456	0.000	9.388	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	629.900	-8.414	0.000	9.388	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	633.200	-8.371	0.000	9.388	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	636.500	-8.328	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	639.800	-8.286	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	643.000	-8.243	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	646.300	-8.201	0.000	9.389	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	649.600	-8.158	0.000	9.390	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	652.900	-8.115	0.000	9.390	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	656.200	-8.073	0.000	9.390	0.000	0.000	0.000	0.000	0.013	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	659.400	-8.030	0.000	9.391	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	662.700	-7.987	0.000	9.391	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	666.000	-7.945	0.000	9.391	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	669.300	-7.902	0.000	9.392	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	672.600	-7.859	0.000	9.392	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	675.900	-7.817	0.000	9.392	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	679.100	-7.774	0.000	9.393	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	682.400	-7.732	0.000	9.393	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	685.700	-7.689	0.000	9.394	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	689.000	-7.646	0.000	9.394	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	692.300	-7.604	0.000	9.394	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	695.500	-7.561	0.000	9.395	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	698.800	-7.518	0.000	9.395	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	702.100	-7.476	0.000	9.395	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	705.400	-7.433	0.000	9.396	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	708.700	-7.391	0.000	9.396	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	711.900	-7.346	0.000	9.397	0.000	0.000	0.000	0.000	0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	715.200	-7.300	0.000	9.397	0.000	0.000	0.000	0.000	0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	718.500	-7.253	0.000	9.397	0.000	0.000	0.000	0.000	0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	721.800	-7.206	0.000	9.398	0.000	0.000	0.000	0.000	0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	725.100	-7.160	0.000	9.399	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	728.300	-7.127	0.000	9.399	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	731.600	-7.095	0.000	9.400	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	734.900	-7.063	0.000	9.400	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	738.200	-7.030	0.000	9.401	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	741.500	-6.998	0.000	9.401	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	744.700	-6.966	0.000	9.402	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	748.000	-6.934	0.000	9.402	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	751.300	-6.902	0.000	9.403	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	754.600	-6.870	0.000	9.403	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	757.900	-6.837	0.000	9.404	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	761.200	-6.805	0.000	9.404	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	764.400	-6.773	0.000	9.405	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	767.700	-6.741	0.000	9.405	0.000	0.000	0.000	0.000	0.010	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	771.000	-6.709	0.000	9.406	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	774.300	-6.677	0.000	9.406	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	777.600	-6.644	0.000	9.407	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	780.800	-6.612	0.000	9.408	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	784.100	-6.580	0.000	9.408	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	787.400	-6.548	0.000	9.409	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	790.700	-6.516	0.000	9.409	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	794.000	-6.484	0.000	9.410	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	797.200	-6.449	0.000	9.410	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	800.500	-6.414	0.000	9.411	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	803.800	-6.379	0.000	9.411	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	807.100	-6.344	0.000	9.412	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	810.400	-6.310	0.000	9.413	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	813.600	-6.274	0.000	9.413	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	816.900	-6.240	0.000	9.414	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	820.200	-6.205	0.000	9.414	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	823.500	-6.170	0.000	9.415	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	826.800	-6.145	0.000	9.416	0.000	0.000	0.000	0.000	0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	830.100	-6.131	0.000	9.416	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	833.300	-6.120	0.000	9.417	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	836.600	-6.111	0.000	9.418	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	839.900	-6.103	0.000	9.418	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	843.200	-6.095	0.000	9.419	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	846.500	-6.087	0.000	9.420	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	849.700	-6.079	0.000	9.421	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	853.000	-6.071	0.000	9.422	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	856.300	-6.063	0.000	9.422	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	859.600	-6.055	0.000	9.423	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	862.900	-6.047	0.000	9.424	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	866.100	-6.039	0.000	9.424	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	869.400	-6.031	0.000	9.425	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	872.700	-6.023	0.000	9.426	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	876.000	-6.015	0.000	9.427	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	879.300	-6.007	0.000	9.427	0.000	0.000	0.000	0.000	0.002	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	882.500	-5.999	0.000	9.428	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	885.800	-5.991	0.000	9.429	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	889.100	-5.983	0.000	9.429	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	892.400	-5.975	0.000	9.430	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	895.700	-5.966	0.000	9.430	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	898.900	-5.958	0.000	9.431	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	902.200	-5.950	0.000	9.432	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	905.500	-5.942	0.000	9.432	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	908.800	-5.934	0.000	9.433	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	912.100	-5.926	0.000	9.434	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	915.400	-5.915	0.000	9.434	0.000	0.000	0.000	0.000	0.024	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	918.600	-5.770	0.000	9.434	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	921.900	-5.599	0.000	9.433	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	925.200	-5.428	0.000	9.433	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	928.500	-5.257	0.000	9.432	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	931.800	-5.086	0.000	9.432	0.000	0.000	0.000	0.000	0.053	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	935.000	-4.916	0.000	9.431	0.000	0.000	0.000	0.000	0.053	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	938.300	-4.745	0.000	9.431	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	941.600	-4.574	0.000	9.431	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	944.900	-4.403	0.000	9.431	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	948.200	-4.233	0.000	9.430	0.000	0.000	0.000	0.000	0.051	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	951.400	-4.071	0.000	9.430	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	954.700	-3.909	0.000	9.431	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	958.000	-3.747	0.000	9.431	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	961.300	-3.586	0.000	9.431	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	964.600	-3.424	0.000	9.432	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	967.800	-3.262	0.000	9.432	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	971.100	-3.101	0.000	9.433	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	974.400	-2.939	0.000	9.434	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	977.700	-2.777	0.000	9.435	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	981.000	-2.615	0.000	9.436	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	984.200	-2.454	0.000	9.437	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	987.500	-2.292	0.000	9.438	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	990.800	-2.130	0.000	9.440	0.000	0.000	0.000	0.000	0.052	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	994.100	-1.946	0.000	9.442	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	997.400	-1.712	0.000	9.442	0.000	0.000	0.000	0.000	0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1000.700	-1.477	0.000	9.444	0.000	0.000	0.000	0.000	0.072	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1003.900	-1.242	0.000	9.446	0.000	0.000	0.000	0.000	0.072	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1007.200	-1.007	0.000	9.448	0.000	0.000	0.000	0.000	0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1010.500	-0.772	0.000	9.450	0.000	0.000	0.000	0.000	0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1013.800	-0.537	0.000	9.453	0.000	0.000	0.000	0.000	0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1017.100	-0.302	0.000	9.457	0.000	0.000	0.000	0.000	0.072	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1020.300	-0.067	0.000	9.460	0.000	0.000	0.000	0.000	0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1023.600	-0.208	0.000	9.471	0.000	0.000	0.000	0.000	0.020	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1026.900	0.065	0.000	9.474	0.000	0.000	0.000	0.000	0.083	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1030.200	0.338	0.000	9.477	0.000	0.000	0.000	0.000	0.070	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1033.500	0.529	0.000	9.483	0.000	0.000	0.000	0.000	0.057	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1036.700	0.711	0.000	9.489	0.000	0.000	0.000	0.000	0.055	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1040.000	0.884	0.000	9.495	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
IF	1043.300	1.107	0.000	9.502	0.000	0.000	0.000	0.000	0.079	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1046.600	1.406	0.000	9.506	0.000	0.000	0.000	0.000	0.091	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1049.900	1.704	0.000	9.512	0.000	0.000	0.000	0.000	0.091	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1053.100	1.996	0.000	9.520	0.000	0.000	0.000	0.000	0.089	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1056.400	2.283	0.000	9.528	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
IF	1059.700	2.365	0.000	9.542	0.000	0.000	0.000	0.000	0.022	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1063.000	2.425	0.000	9.555	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1066.300	2.601	0.000	9.566	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1069.600	2.744	0.000	9.578	0.000	0.000	0.000	0.000	0.076	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1072.800	3.093	0.000	9.585	0.000	0.000	0.000	0.000	0.131	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1076.100	3.593	0.000	9.590	0.000	0.000	0.000	0.000	0.149	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1079.400	4.074	0.000	9.599	0.000	0.000	0.000	0.000	0.096	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1082.700	4.226	0.000	9.622	0.000	0.000	0.000	0.000	0.021	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1086.000	4.212	0.000	9.647	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
IF	1089.200	4.373	0.000	9.665	0.000	0.000	0.000	0.000	0.094	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1092.500	4.825	0.000	9.676	0.000	0.000	0.000	0.000	0.141	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1095.800	5.305	0.000	9.693	0.000	0.000	0.000	0.000	0.122	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1099.100	5.631	0.000	9.720	0.000	0.000	0.000	0.000	0.085	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1102.400	5.866	0.000	9.752	0.000	0.000	0.000	0.000	0.062	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1105.600	6.032	0.000	9.785	0.000	0.000	0.000	0.000	0.048	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1108.900	6.181	0.000	9.814	0.000	0.000	0.000	0.000	0.064	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1112.200	6.453	0.000	9.840	0.000	0.000	0.000	0.000	0.086	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1115.500	6.751	0.000	9.866	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
IF	1118.800	6.737	0.000	9.901	0.000	0.000	0.000	0.000	-0.016	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1122.000	6.648	0.000	9.929	0.000	0.000	0.000	0.000	-0.030	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1125.300	6.542	0.000	9.950	0.000	0.000	0.000	0.000	-0.030	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1128.600	6.453	0.000	9.966	0.000	0.000	0.000	0.000	-0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1131.900	6.316	0.000	9.978	0.000	0.000	0.000	0.000	-0.051	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1135.200	6.115	0.000	9.988	0.000	0.000	0.000	0.000	-0.058	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1138.400	5.938	0.000	9.995	0.000	0.000	0.000	0.000	-0.031	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1141.700	5.911	0.000	9.999	0.000	0.000	0.000	0.000	-0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1145.000	5.884	0.000	10.002	0.000	0.000	0.000	0.000	-0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1148.300	5.871	0.000	10.004	0.000	0.000	0.000	0.000	-0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1151.600	5.863	0.000	10.007	0.000	0.000	0.000	0.000	-0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1154.900	5.856	0.000	10.009	0.000	0.000	0.000	0.000	-0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1158.100	5.848	0.000	10.010	0.000	0.000	0.000	0.000	-0.020	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1161.400	5.726	0.000	10.013	0.000	0.000	0.000	0.000	-0.083	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1164.700	5.304	0.000	10.019	0.000	0.000	0.000	0.000	-0.128	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1168.000	4.882	0.000	10.023	0.000	0.000	0.000	0.000	-0.128	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1171.300	4.461	0.000	10.025	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
IF	1174.500	4.357	0.000	10.026	0.000	0.000	0.000	0.000	-0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1177.800	4.447	0.000	10.026	0.000	0.000	0.000	0.000	0.020	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1181.100	4.489	0.000	10.025	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1184.400	4.518	0.000	10.025	0.000	0.000	0.000	0.000	0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1187.700	4.547	0.000	10.025	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1190.900	4.732	0.000	10.024	0.000	0.000	0.000	0.000	0.087	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1194.200	5.115	0.000	10.021	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
IF	1197.500	5.497	0.000	10.018	0.000	0.000	0.000	0.000	0.161	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1200.800	6.176	0.000	10.012	0.000	0.000	0.000	0.000	0.246	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1204.100	7.121	0.000	10.000	0.000	0.000	0.000	0.000	0.314	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1207.300	8.217	0.000	10.006	0.000	0.000	0.000	0.000	0.337	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1210.600	9.313	0.000	10.225	0.000	0.000	0.000	0.000	0.329	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1213.400	10.225	0.000	10.225	0.000	0.000	0.000	0.000	0.326	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
AS	1278.000	9.639	0.000	9.639	0.000	0.000	0.000	0.000	-0.324	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1280.500	8.829	0.000	9.639	0.000	0.000	0.000	0.000	-0.027	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1292.000	9.255	0.000	9.639	0.000	0.000	0.000	0.000	-0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1300.500	8.665	0.000	9.639	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
IF	1316.000	8.960	0.000	9.639	0.000	0.000	0.000	0.000	0.049	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1320.400	9.639	0.000	9.639	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
AS	1444.400	9.605	0.000	9.605	0.000	0.000	0.000	0.000	-0.054	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1448.500	9.383	0.000	9.605	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
IF	1458.500	9.285	0.000	9.605	0.000	0.000	0.000	0.000	-0.045	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1468.500	8.488	0.000	9.605	0.000	0.000	0.000	0.000	-0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1473.000	8.258	0.000	9.605	0.000	0.000	0.000	0.000	0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1486.000	8.533	0.000	9.605	0.000	0.000	0.000	0.000	-0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1501.500	8.173	0.000	9.605	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1509.500	8.829	0.000	9.605	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
IF	1537.000	8.599	0.000	9.605	0.000	0.000	0.000	0.000	-0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1552.000	8.632	0.000	9.605	0.000	0.000	0.000	0.000	-0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1564.000	8.533	0.000	9.605	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1572.000	9.321	0.000	9.606	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1589.000	8.435	0.000	9.606	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1617.500	9.301	0.000	9.606	0.000	0.000	0.000	0.000	0.015	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1627.000	9.026	0.000	9.606	0.000	0.000	0.000	0.000	-0.046	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1637.000	8.402	0.000	9.607	0.000	0.000	0.000	0.000	-0.062	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1646.500	7.812	0.000	9.607	0.000	0.000	0.000	0.000	-0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1660.500	8.140	0.000	9.607	0.000	0.000	0.000	0.000	0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1673.500	8.009	0.000	9.607	0.000	0.000	0.000	0.000	-0.018	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1684.000	7.713	0.000	9.607	0.000	0.000	0.000	0.000	-0.110	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1695.000	5.643	0.000	9.608	0.000	0.000	0.000	0.000	-0.075	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1709.500	5.807	0.000	9.608	0.000	0.000	0.000	0.000	-0.035	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1722.500	4.692	0.000	9.608	0.000	0.000	0.000	0.000	-0.061	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1732.000	4.429	0.000	9.608	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1739.500	4.757	0.000	9.608	0.000	0.000	0.000	0.000	0.016	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1746.000	4.659	0.000	9.609	0.000	0.000	0.000	0.000	-0.030	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1751.500	4.396	0.000	9.609	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
IF	1759.500	4.823	0.000	9.609	0.000	0.000	0.000	0.000	0.077	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1771.500	5.938	0.000	9.609	0.000	0.000	0.000	0.000	0.030	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1780.500	5.450	0.000	9.609	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1789.500	6.696	0.000	9.609	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
IF	1797.000	6.434	0.000	9.609	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
IF	1800.500	6.565	0.000	9.610	0.000	0.000	0.000	0.000	0.028	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1804.000	6.631	0.000	9.610	0.000	0.000	0.000	0.000	0.027	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1809.000	6.795	0.000	9.610	0.000	0.000	0.000	0.000	0.046	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1815.500	7.155	0.000	9.610	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1827.500	6.795	0.000	9.610	0.000	0.000	0.000	0.000	0.026	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1837.000	7.713	0.000	9.610	0.000	0.000	0.000	0.000	0.106	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1845.500	8.698	0.000	9.610	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
IF	1860.500	9.026	0.000	9.609	0.000	0.000	0.000	0.000	-0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1878.500	8.402	0.000	9.609	0.000	0.000	0.000	0.000	-0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1900.000	8.533	0.000	9.608	0.000	0.000	0.000	0.000	-0.031	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1919.500	7.123	0.000	9.607	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
IF	1932.000	7.155	0.000	9.607	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
IF	1939.000	5.778	0.000	9.607	0.000	0.000	0.000	0.000	-0.140	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1943.000	5.614	0.000	9.607	0.000	0.000	0.000	0.000	-0.035	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	1946.500	5.515	0.000	9.607	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
OF	1986.000	-4.471	0.000	9.607	0.000	0.000	0.000	0.000	-0.251	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	1987.000	-4.647	0.000	9.607	0.000	0.000	0.000	0.000	-0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2051.000	-4.983	0.000	9.607	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2062.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2063.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2064.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2065.000	-4.984	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2066.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2067.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2068.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2070.000	-4.985	0.000	9.607	0.000	0.000	0.000	0.000	0.024	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2071.000	-4.911	0.000	9.607	0.000	0.000	0.000	0.000	0.097	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2073.000	-4.693	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2074.000	-4.583	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2076.000	-4.365	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2077.000	-4.255	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2079.000	-4.036	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2080.000	-3.927	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2082.000	-3.708	0.000	9.607	0.000	0.000	0.000	0.000	0.109	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2083.000	-3.599	0.000	9.607	0.000	0.000	0.000	0.000	0.061	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2088.000	-3.342	0.000	9.608	0.000	0.000	0.000	0.000	0.051	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2089.000	-3.292	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2094.000	-3.043	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2095.000	-2.994	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2098.000	-2.844	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2100.000	-2.745	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2104.000	-2.545	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2107.000	-2.396	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2109.000	-2.297	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2116.000	-1.948	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2118.000	-1.849	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2125.000	-1.500	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2127.000	-1.401	0.000	9.608	0.000	0.000	0.000	0.000	0.050	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	2154.000	-0.042	0.000	9.609	0.000	0.000	0.000	0.000	0.138	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2158.000	2.890	0.000	9.609	0.000	0.000	0.000	0.000	0.137	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2167.000	1.742	0.000	9.609	0.000	0.000	0.000	0.000	0.031	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2176.000	3.448	0.000	9.609	0.000	0.000	0.000	0.000	0.113	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2185.500	3.842	0.000	9.610	0.000	0.000	0.000	0.000	0.017	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2197.500	3.809	0.000	9.610	0.000	0.000	0.000	0.000	-0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2208.000	3.547	0.000	9.610	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2216.000	3.842	0.000	9.611	0.000	0.000	0.000	0.000	-0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2224.000	3.510	0.000	9.611	0.000	0.000	0.000	0.000	-0.031	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2229.000	3.445	0.000	9.611	0.000	0.000	0.000	0.000	0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2233.500	3.576	0.000	9.611	0.000	0.000	0.000	0.000	0.066	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2243.500	4.396	0.000	9.611	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
IF	2251.000	4.560	0.000	9.611	0.000	0.000	0.000	0.000	-0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2254.000	4.331	0.000	9.611	0.000	0.000	0.000	0.000	-0.048	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2256.500	4.298	0.000	9.611	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2264.500	4.331	0.000	9.611	0.000	0.000	0.000	0.000	0.000	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2273.500	4.298	0.000	9.611	0.000	0.000	0.000	0.000	-0.022	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2281.000	3.970	0.000	9.612	0.000	0.000	0.000	0.000	-0.048	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2290.000	3.510	0.000	9.612	0.000	0.000	0.000	0.000	0.011	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2296.000	4.134	0.000	9.612	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2300.500	3.510	0.000	9.612	0.000	0.000	0.000	0.000	-0.137	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2308.000	2.493	0.000	9.612	0.000	0.000	0.000	0.000	0.052	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2315.500	4.298	0.000	9.612	0.000	0.000	0.000	0.000	0.131	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2323.000	4.462	0.000	9.612	0.000	0.000	0.000	0.000	0.015	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2331.000	4.528	0.000	9.612	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
IF	2336.000	4.134	0.000	9.613	0.000	0.000	0.000	0.000	-0.051	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2337.500	4.200	0.000	9.613	0.000	0.000	0.000	0.000	0.030	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2346.000	4.429	0.000	9.613	0.000	0.000	0.000	0.000	0.021	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2359.500	4.659	0.000	9.613	0.000	0.000	0.000	0.000	-0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2368.000	4.298	0.000	9.613	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2374.000	4.659	0.000	9.613	0.000	0.000	0.000	0.000	0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2390.500	4.593	0.000	9.614	0.000	0.000	0.000	0.000	-0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2404.000	4.462	0.000	9.614	0.000	0.000	0.000	0.000	-0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2410.500	4.528	0.000	9.614	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2418.500	4.462	0.000	9.614	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2423.500	4.560	0.000	9.614	0.000	0.000	0.000	0.000	-0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2433.000	4.265	0.000	9.615	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
IF	2443.500	4.331	0.000	9.615	0.000	0.000	0.000	0.000	-0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2453.500	4.137	0.000	9.616	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2464.500	4.334	0.000	9.616	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2475.500	4.170	0.000	9.617	0.000	0.000	0.000	0.000	-0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2488.000	4.203	0.000	9.617	0.000	0.000	0.000	0.000	0.016	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2502.500	4.593	0.000	9.618	0.000	0.000	0.000	0.000	0.032	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2536.500	5.741	0.000	9.619	0.000	0.000	0.000	0.000	-0.003	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2540.000	4.495	0.000	9.619	0.000	0.000	0.000	0.000	-0.106	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2552.000	4.101	0.000	9.619	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2566.500	4.757	0.000	9.620	0.000	0.000	0.000	0.000	0.010	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2574.500	4.331	0.000	9.620	0.000	0.000	0.000	0.000	-0.021	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2583.500	4.396	0.000	9.620	0.000	0.000	0.000	0.000	-0.006	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2590.500	4.232	0.000	9.621	0.000	0.000	0.000	0.000	0.007	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2597.000	4.495	0.000	9.621	0.000	0.000	0.000	0.000	0.020	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2607.000	4.560	0.000	9.621	0.000	0.000	0.000	0.000	-0.013	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2618.000	4.232	0.000	9.622	0.000	0.000	0.000	0.000	-0.009	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2628.500	4.364	0.000	9.622	0.000	0.000	0.000	0.000	0.014	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2639.000	4.528	0.000	9.622	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2646.000	4.298	0.000	9.623	0.000	0.000	0.000	0.000	0.007	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2648.000	4.593	0.000	9.623	0.000	0.000	0.000	0.000	-0.029	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2654.000	4.068	0.000	9.623	0.000	0.000	0.000	0.000	-0.018	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2663.000	4.331	0.000	9.623	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2674.500	4.823	0.000	9.623	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2684.000	5.085	0.000	9.623	0.000	0.000	0.000	0.000	0.020	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2694.000	5.216	0.000	9.623	0.000	0.000	0.000	0.000	0.097	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2705.000	7.116	0.000	9.623	0.000	0.000	0.000	0.000	0.176	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2716.000	9.088	0.000	9.623	0.000	0.000	0.000	0.000	0.098	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	2730.500	9.623	0.000	9.623	0.000	0.000	0.000	0.000	0.037	0.000

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

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

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

	LOCATION	CONTROLLING WAVE HEIGHT	SPECTRAL PEAK WAVE PERIOD	WAVE CREST ELEVATION
IE	0.00	13.14	12.90	18.56
OF	1.00	13.14	12.90	18.56
OF	2.00	13.15	12.90	18.56
OF	3.30	13.15	12.90	18.56
OF	105.00	13.09	12.90	18.53
OF	111.50	13.09	12.90	18.53
OF	114.80	13.09	12.90	18.53
OF	118.10	13.09	12.90	18.53
OF	121.40	13.09	12.90	18.53
OF	124.70	13.10	12.90	18.53
OF	128.00	13.10	12.90	18.53
OF	131.20	13.10	12.90	18.53
OF	134.50	13.10	12.90	18.53
OF	137.80	13.10	12.90	18.53
OF	141.10	13.10	12.90	18.53
OF	144.40	13.10	12.90	18.53
OF	147.60	13.10	12.90	18.53
OF	150.90	13.10	12.90	18.53
OF	154.20	13.10	12.90	18.53
OF	157.50	13.10	12.90	18.54
OF	160.80	13.11	12.90	18.54
OF	164.00	13.11	12.90	18.54
OF	167.30	13.11	12.90	18.54
OF	170.60	13.11	12.90	18.54
OF	173.90	13.11	12.90	18.54
OF	177.20	13.11	12.90	18.54
OF	180.40	13.11	12.90	18.54
OF	183.70	13.11	12.90	18.54
OF	187.00	13.11	12.90	18.54
OF	190.30	13.11	12.90	18.54
OF	193.60	13.11	12.90	18.54
OF	196.80	13.11	12.90	18.54
OF	200.10	13.12	12.90	18.54
OF	203.40	13.12	12.90	18.54
OF	206.70	13.12	12.90	18.54
OF	210.00	13.12	12.90	18.55
OF	213.30	13.12	12.90	18.55
OF	216.50	13.12	12.90	18.55
OF	219.80	13.12	12.90	18.55
OF	223.10	13.12	12.90	18.55
OF	226.40	13.12	12.90	18.55
OF	229.70	13.12	12.90	18.55
OF	232.90	13.12	12.90	18.55
OF	236.20	13.12	12.90	18.55
OF	239.50	13.12	12.90	18.55
OF	242.80	13.12	12.90	18.55
OF	246.10	13.12	12.90	18.55
OF	249.30	13.12	12.90	18.55
OF	252.60	13.13	12.90	18.55

OF	255.90	13.13	12.90	18.55
OF	259.20	13.13	12.90	18.55
OF	262.50	13.13	12.90	18.55
OF	265.70	13.13	12.90	18.55
OF	269.00	13.13	12.90	18.55
OF	272.30	13.13	12.90	18.56
OF	275.60	13.13	12.90	18.56
OF	278.90	13.13	12.90	18.55
OF	282.20	13.13	12.90	18.55
OF	285.40	13.12	12.90	18.55
OF	288.70	13.12	12.90	18.55
OF	292.00	13.12	12.90	18.55
OF	295.30	13.12	12.90	18.55
OF	298.60	13.12	12.90	18.55
OF	301.80	13.12	12.90	18.55
OF	305.10	13.11	12.90	18.54
OF	308.40	13.11	12.90	18.54
OF	311.70	13.11	12.90	18.54
OF	315.00	13.11	12.90	18.54
OF	318.20	13.11	12.90	18.54
OF	321.50	13.11	12.90	18.54
OF	324.80	13.10	12.90	18.54
OF	328.10	13.10	12.90	18.54
OF	331.40	13.10	12.90	18.54
OF	334.60	13.10	12.90	18.53
OF	337.90	13.10	12.90	18.53
OF	341.20	13.09	12.90	18.53
OF	344.50	13.09	12.90	18.53
OF	347.80	13.09	12.90	18.53
OF	351.00	13.09	12.90	18.53
OF	354.30	13.09	12.90	18.53
OF	357.60	13.09	12.90	18.53
OF	360.90	13.08	12.90	18.53
OF	364.20	13.08	12.90	18.52
OF	367.50	13.08	12.90	18.53
OF	370.70	13.08	12.90	18.53
OF	374.00	13.08	12.90	18.53
OF	377.30	13.08	12.90	18.53
OF	380.60	13.08	12.90	18.53
OF	383.90	13.08	12.90	18.53
OF	387.10	13.08	12.90	18.53
OF	390.40	13.08	12.90	18.53
OF	393.70	13.08	12.90	18.53
OF	397.00	13.08	12.90	18.53
OF	400.30	13.08	12.90	18.53
OF	403.50	13.08	12.90	18.53
OF	406.80	13.08	12.90	18.53
OF	410.10	13.08	12.90	18.53
OF	413.40	13.08	12.90	18.53
OF	416.70	13.08	12.90	18.53
OF	419.90	13.08	12.90	18.53
OF	423.20	13.08	12.90	18.53
OF	426.50	13.08	12.90	18.53
OF	429.80	13.08	12.90	18.53
OF	433.10	13.08	12.90	18.53
OF	436.40	13.08	12.90	18.53
OF	439.60	13.08	12.90	18.53
OF	442.90	13.08	12.90	18.53
OF	446.20	13.08	12.90	18.53
OF	449.50	13.08	12.90	18.53
OF	452.80	13.08	12.90	18.53
OF	456.00	13.08	12.90	18.53
OF	459.30	13.08	12.90	18.53
OF	462.60	13.08	12.90	18.53
OF	465.90	13.08	12.90	18.53
OF	469.20	13.08	12.90	18.53
OF	472.40	13.08	12.90	18.53
OF	475.70	13.08	12.90	18.53
OF	479.00	13.08	12.90	18.53
OF	482.30	13.08	12.90	18.53
OF	485.60	13.08	12.90	18.53
OF	488.80	13.08	12.90	18.53
OF	492.10	13.08	12.90	18.53
OF	495.40	13.08	12.90	18.53
OF	498.70	13.08	12.90	18.53
OF	502.00	13.08	12.90	18.53
OF	505.20	13.08	12.90	18.53
OF	508.50	13.07	12.90	18.53
OF	511.80	13.07	12.90	18.53
OF	515.10	13.07	12.90	18.53
OF	518.40	13.07	12.90	18.53
OF	521.70	13.07	12.90	18.53
OF	524.90	13.07	12.90	18.52
OF	528.20	13.06	12.90	18.52
OF	531.50	13.06	12.90	18.52
OF	534.80	13.06	12.90	18.52
OF	538.10	13.06	12.90	18.52
OF	541.30	13.06	12.90	18.52
OF	544.60	13.05	12.90	18.52
OF	547.90	13.05	12.90	18.52
OF	551.20	13.05	12.90	18.52
OF	554.50	13.05	12.90	18.52
OF	557.70	13.05	12.90	18.51
OF	561.00	13.04	12.90	18.51
OF	564.30	13.04	12.90	18.51
OF	567.60	13.04	12.90	18.51
OF	570.90	13.04	12.90	18.51
OF	574.10	13.03	12.90	18.51
OF	577.40	13.03	12.90	18.51
OF	580.70	13.03	12.90	18.51
OF	584.00	13.03	12.90	18.50
OF	587.30	13.03	12.90	18.50

OF	590.50	13.02	12.90	18.50
OF	593.80	13.02	12.90	18.50
OF	597.10	13.02	12.90	18.50
OF	600.40	13.02	12.90	18.50
OF	603.70	13.02	12.90	18.50
OF	607.00	13.01	12.90	18.50
OF	610.20	13.01	12.90	18.49
OF	613.50	13.01	12.90	18.49
OF	616.80	13.01	12.90	18.49
OF	620.10	13.00	12.90	18.49
OF	623.40	13.00	12.90	18.49
OF	626.60	13.00	12.90	18.48
OF	629.90	12.99	12.90	18.48
OF	633.20	12.98	12.90	18.48
OF	636.50	12.98	12.90	18.47
OF	639.80	12.97	12.90	18.47
OF	643.00	12.97	12.90	18.47
OF	646.30	12.96	12.90	18.46
OF	649.60	12.96	12.90	18.46
OF	652.90	12.95	12.90	18.45
OF	656.20	12.94	12.90	18.45
OF	659.40	12.94	12.90	18.45
OF	662.70	12.93	12.90	18.44
OF	666.00	12.93	12.90	18.44
OF	669.30	12.92	12.90	18.44
OF	672.60	12.91	12.90	18.43
OF	675.90	12.91	12.90	18.43
OF	679.10	12.90	12.90	18.42
OF	682.40	12.90	12.90	18.42
OF	685.70	12.90	12.90	18.42
OF	689.00	12.88	12.90	18.41
OF	692.30	12.85	12.90	18.39
OF	695.50	12.82	12.90	18.37
OF	698.80	12.79	12.90	18.35
OF	702.10	12.76	12.90	18.33
OF	705.40	12.73	12.90	18.31
OF	708.70	12.70	12.90	18.29
OF	711.90	12.67	12.90	18.26
OF	715.20	12.63	12.90	18.24
OF	718.50	12.60	12.90	18.22
OF	721.80	12.56	12.90	18.19
OF	725.10	12.53	12.90	18.17
OF	728.30	12.51	12.90	18.15
OF	731.60	12.48	12.90	18.14
OF	734.90	12.46	12.90	18.12
OF	738.20	12.44	12.90	18.11
OF	741.50	12.41	12.90	18.09
OF	744.70	12.39	12.90	18.08
OF	748.00	12.37	12.90	18.06
OF	751.30	12.35	12.90	18.04
OF	754.60	12.32	12.90	18.03
OF	757.90	12.30	12.90	18.01
OF	761.20	12.27	12.90	18.00
OF	764.40	12.25	12.90	17.98
OF	767.70	12.23	12.90	17.96
OF	771.00	12.21	12.90	17.95
OF	774.30	12.18	12.90	17.93
OF	777.60	12.16	12.90	17.92
OF	780.80	12.14	12.90	17.90
OF	784.10	12.11	12.90	17.89
OF	787.40	12.09	12.90	17.87
OF	790.70	12.07	12.90	17.85
OF	794.00	12.04	12.90	17.84
OF	797.20	12.02	12.90	17.82
OF	800.50	11.99	12.90	17.81
OF	803.80	11.97	12.90	17.79
OF	807.10	11.94	12.90	17.77
OF	810.40	11.92	12.90	17.75
OF	813.60	11.89	12.90	17.74
OF	816.90	11.87	12.90	17.72
OF	820.20	11.84	12.90	17.70
OF	823.50	11.82	12.90	17.69
OF	826.80	11.80	12.90	17.67
OF	830.10	11.79	12.90	17.67
OF	833.30	11.78	12.90	17.66
OF	836.60	11.77	12.90	17.66
OF	839.90	11.77	12.90	17.66
OF	843.20	11.76	12.90	17.65
OF	846.50	11.76	12.90	17.65
OF	849.70	11.75	12.90	17.65
OF	853.00	11.75	12.90	17.65
OF	856.30	11.74	12.90	17.64
OF	859.60	11.74	12.90	17.64
OF	862.90	11.73	12.90	17.64
OF	866.10	11.73	12.90	17.63
OF	869.40	11.72	12.90	17.63
OF	872.70	11.72	12.90	17.63
OF	876.00	11.71	12.90	17.62
OF	879.30	11.70	12.90	17.62
OF	882.50	11.70	12.90	17.62
OF	885.80	11.69	12.90	17.61
OF	889.10	11.69	12.90	17.61
OF	892.40	11.68	12.90	17.61
OF	895.70	11.68	12.90	17.60
OF	898.90	11.67	12.90	17.60
OF	902.20	11.67	12.90	17.60
OF	905.50	11.66	12.90	17.59
OF	908.80	11.65	12.90	17.59
OF	912.10	11.65	12.90	17.59
OF	915.40	11.64	12.90	17.58
OF	918.60	11.53	12.90	17.51
OF	921.90	11.41	12.90	17.42

OF	925.20	11.28	12.90	17.33
OF	928.50	11.15	12.90	17.24
OF	931.80	11.03	12.90	17.15
OF	935.00	10.90	12.90	17.06
OF	938.30	10.77	12.90	16.97
OF	941.60	10.65	12.90	16.88
OF	944.90	10.52	12.90	16.80
OF	948.20	10.39	12.90	16.71
OF	951.40	10.27	12.90	16.62
OF	954.70	10.15	12.90	16.54
OF	958.00	10.03	12.90	16.45
OF	961.30	9.91	12.90	16.37
OF	964.60	9.79	12.90	16.29
OF	967.80	9.67	12.90	16.20
OF	971.10	9.55	12.90	16.12
OF	974.40	9.43	12.90	16.04
OF	977.70	9.31	12.90	15.96
OF	981.00	9.19	12.90	15.87
OF	984.20	9.08	12.90	15.79
OF	987.50	8.95	12.90	15.71
OF	990.80	8.84	12.90	15.62
OF	994.10	8.70	12.90	15.53
OF	997.40	8.52	12.90	15.41
OF	1000.70	8.35	12.90	15.29
OF	1003.90	8.17	12.90	15.17
OF	1007.20	8.00	12.90	15.05
OF	1010.50	7.83	12.90	14.93
OF	1013.80	7.65	12.90	14.81
OF	1017.10	7.48	12.90	14.69
OF	1020.30	7.30	12.90	14.57
OF	1023.60	7.33	12.90	14.60
IF	1026.90	7.21	12.90	14.52
IF	1030.20	7.01	12.90	14.38
IF	1033.50	6.87	12.90	14.29
IF	1036.70	6.74	12.90	14.21
IF	1040.00	6.61	12.90	14.12
IF	1043.30	6.45	12.90	14.02
IF	1046.60	6.22	12.90	13.86
IF	1049.90	6.00	12.90	13.71
IF	1053.10	5.79	12.90	13.57
IF	1056.40	5.58	12.90	13.43
IF	1059.70	5.52	12.90	13.41
IF	1063.00	5.49	12.90	13.40
IF	1066.30	5.36	12.90	13.32
IF	1069.60	5.26	12.90	13.26
IF	1072.80	5.00	12.90	13.09
IF	1076.10	4.63	12.90	12.83
IF	1079.40	4.27	12.90	12.59
IF	1082.70	4.17	12.90	12.54
IF	1086.00	4.18	12.90	12.57
IF	1089.20	4.09	12.90	12.53
IF	1092.50	3.75	12.90	12.30
IF	1095.80	3.40	12.90	12.07
IF	1099.10	3.17	12.90	11.94
IF	1102.40	3.01	12.90	11.86
IF	1105.60	2.91	12.90	11.82
IF	1108.90	2.81	12.90	11.78
IF	1112.20	2.63	12.90	11.68
IF	1115.50	2.42	12.90	11.56
IF	1118.80	2.43	12.90	11.60
IF	1122.00	2.45	12.90	11.65
IF	1125.30	2.48	12.90	11.68
IF	1128.60	2.50	12.90	11.72
IF	1131.90	2.53	12.90	11.75
IF	1135.20	2.56	12.90	11.78
IF	1138.40	2.59	12.90	11.81
IF	1141.70	2.60	12.90	11.82
IF	1145.00	2.60	12.90	11.82
IF	1148.30	2.61	12.90	11.83
IF	1151.60	2.61	12.90	11.83
IF	1154.90	2.61	12.90	11.84
IF	1158.10	2.62	12.90	11.84
IF	1161.40	2.63	12.90	11.86
IF	1164.70	2.69	12.90	11.90
IF	1168.00	2.73	12.90	11.93
IF	1171.30	2.77	12.90	11.96
IF	1174.50	2.77	12.90	11.96
IF	1177.80	2.78	12.90	11.97
IF	1181.10	2.78	12.90	11.97
IF	1184.40	2.78	12.90	11.97
IF	1187.70	2.78	12.90	11.97
IF	1190.90	2.76	12.90	11.96
IF	1194.20	2.73	12.90	11.93
IF	1197.50	2.69	12.90	11.90
IF	1200.80	2.60	12.90	11.83
IF	1204.10	2.23	12.90	11.56
IF	1207.30	1.39	12.90	10.98
IF	1210.60	0.71	12.90	10.72
IF	1213.40	0.01	12.90	10.23
AS	1278.00	0.00	0.00	9.64
IF	1280.50	0.03	0.20	9.66
IF	1292.00	0.08	0.34	9.70
IF	1300.50	0.12	0.40	9.72
IF	1316.00	0.16	0.47	9.75
IF	1320.40	0.01	0.49	9.64
AS	1444.40	0.00	0.00	9.60
IF	1448.50	0.04	0.23	9.63
IF	1458.50	0.08	0.34	9.66
IF	1468.50	0.12	0.41	9.69
IF	1473.00	0.14	0.43	9.70
IF	1486.00	0.17	0.49	9.73
IF	1501.50	0.21	0.54	9.75

IF	1509.50	0.23	0.56	9.77
IF	1537.00	0.29	0.63	9.81
IF	1552.00	0.32	0.67	9.83
IF	1564.00	0.34	0.69	9.84
IF	1572.00	0.19	0.71	9.74
IF	1589.00	0.31	0.74	9.83
IF	1617.50	0.20	0.78	9.75
IF	1627.00	0.26	0.79	9.79
IF	1637.00	0.33	0.81	9.84
IF	1646.50	0.38	0.82	9.88
IF	1660.50	0.43	0.84	9.91
IF	1673.50	0.47	0.86	9.94
IF	1684.00	0.51	0.87	9.96
IF	1695.00	0.54	0.88	9.99
IF	1709.50	0.58	0.90	10.02
IF	1722.50	0.61	0.91	10.04
IF	1732.00	0.63	0.92	10.05
IF	1739.50	0.64	0.93	10.05
IF	1746.00	0.65	0.94	10.06
IF	1751.50	0.65	0.94	10.07
IF	1759.50	0.66	0.95	10.07
IF	1771.50	0.68	0.96	10.09
IF	1780.50	0.69	0.97	10.09
IF	1789.50	0.70	0.98	10.10
IF	1797.00	0.71	0.99	10.11
IF	1800.50	0.72	0.99	10.11
IF	1804.00	0.72	1.00	10.12
IF	1809.00	0.73	1.00	10.12
IF	1815.50	0.73	1.01	10.12
IF	1827.50	0.75	1.02	10.14
IF	1837.00	0.73	1.02	10.12
IF	1845.50	0.53	1.03	9.98
IF	1860.50	0.38	1.04	9.88
IF	1878.50	0.46	1.06	9.93
IF	1900.00	0.51	1.08	9.97
IF	1919.50	0.61	1.09	10.03
IF	1932.00	0.64	1.10	10.05
IF	1939.00	0.67	1.11	10.07
IF	1943.00	0.68	1.11	10.08
IF	1946.50	0.68	1.11	10.09
OF	1986.00	0.76	1.14	10.14
OF	1987.00	0.76	1.14	10.14
OF	2051.00	0.88	1.18	10.23
OF	2062.00	0.90	1.19	10.24
OF	2063.00	0.90	1.19	10.24
OF	2064.00	0.91	1.19	10.24
OF	2065.00	0.91	1.19	10.24
OF	2066.00	0.91	1.19	10.24
OF	2067.00	0.91	1.19	10.24
OF	2068.00	0.91	1.20	10.25
OF	2070.00	0.92	1.20	10.25
OF	2071.00	0.92	1.20	10.25
OF	2073.00	0.92	1.20	10.25
OF	2074.00	0.92	1.20	10.25
OF	2076.00	0.93	1.20	10.25
OF	2077.00	0.93	1.20	10.26
OF	2079.00	0.93	1.20	10.26
OF	2080.00	0.93	1.20	10.26
OF	2082.00	0.94	1.20	10.26
OF	2083.00	0.94	1.20	10.26
OF	2088.00	0.95	1.21	10.27
OF	2089.00	0.95	1.21	10.27
OF	2094.00	0.95	1.21	10.28
OF	2095.00	0.96	1.21	10.28
OF	2098.00	0.96	1.21	10.28
OF	2100.00	0.96	1.22	10.28
OF	2104.00	0.97	1.22	10.29
OF	2107.00	0.98	1.22	10.29
OF	2109.00	0.98	1.22	10.29
OF	2116.00	0.99	1.23	10.30
OF	2118.00	0.99	1.23	10.30
OF	2125.00	1.00	1.23	10.31
OF	2127.00	1.01	1.23	10.31
OF	2154.00	1.05	1.25	10.34
IF	2158.00	1.06	1.25	10.35
IF	2167.00	1.07	1.26	10.36
IF	2176.00	1.08	1.26	10.37
IF	2185.50	1.09	1.27	10.38
IF	2197.50	1.11	1.27	10.39
IF	2208.00	1.12	1.28	10.40
IF	2216.00	1.13	1.28	10.40
IF	2224.00	1.14	1.29	10.41
IF	2229.00	1.15	1.29	10.42
IF	2233.50	1.16	1.29	10.42
IF	2243.50	1.17	1.30	10.43
IF	2251.00	1.18	1.30	10.43
IF	2254.00	1.18	1.30	10.44
IF	2256.50	1.18	1.31	10.44
IF	2264.50	1.19	1.31	10.45
IF	2273.50	1.20	1.31	10.45
IF	2281.00	1.21	1.32	10.46
IF	2290.00	1.22	1.32	10.47
IF	2296.00	1.23	1.33	10.47
IF	2300.50	1.24	1.33	10.48
IF	2308.00	1.25	1.33	10.48
IF	2315.50	1.25	1.34	10.49
IF	2323.00	1.26	1.34	10.49
IF	2331.00	1.27	1.34	10.50
IF	2336.00	1.28	1.35	10.51
IF	2337.50	1.28	1.35	10.51
IF	2346.00	1.29	1.35	10.51
IF	2359.50	1.30	1.36	10.52

IF	2368.00	1.31	1.36	10.53
IF	2374.00	1.31	1.36	10.53
IF	2390.50	1.33	1.37	10.55
IF	2404.00	1.35	1.38	10.56
IF	2410.50	1.35	1.38	10.56
IF	2418.50	1.36	1.39	10.57
IF	2423.50	1.37	1.39	10.57
IF	2433.00	1.38	1.39	10.58
IF	2443.50	1.39	1.40	10.59
IF	2453.50	1.40	1.40	10.60
IF	2464.50	1.41	1.41	10.60
IF	2475.50	1.42	1.41	10.61
IF	2488.00	1.43	1.42	10.62
IF	2502.50	1.44	1.42	10.63
IF	2536.50	1.45	1.44	10.63
IF	2540.00	1.48	1.44	10.65
IF	2552.00	1.50	1.45	10.67
IF	2566.50	1.50	1.45	10.67
IF	2574.50	1.51	1.46	10.68
IF	2583.50	1.52	1.46	10.68
IF	2590.50	1.53	1.46	10.69
IF	2597.00	1.53	1.46	10.69
IF	2607.00	1.54	1.47	10.70
IF	2618.00	1.55	1.47	10.71
IF	2628.50	1.56	1.48	10.71
IF	2639.00	1.57	1.48	10.72
IF	2646.00	1.58	1.48	10.73
IF	2648.00	1.57	1.49	10.72
IF	2654.00	1.59	1.49	10.73
IF	2663.00	1.59	1.49	10.74
IF	2674.50	1.59	1.50	10.74
IF	2684.00	1.59	1.50	10.74
IF	2694.00	1.59	1.50	10.74
IF	2705.00	1.32	1.51	10.55
IF	2716.00	0.39	1.51	9.90
IF	2730.50	0.01	1.52	9.63

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 1213.40 AND 1278.00

BETWEEN 1320.40 AND 1444.40

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
141.10	1.00	9.36
196.80	1.00	9.36
236.20	1.00	9.36
269.00	1.00	9.36
315.00	1.00	9.37
344.50	1.00	9.37
367.50	1.00	9.37
383.90	1.00	9.37
397.00	1.00	9.37
413.40	1.00	9.37
426.50	1.00	9.37
439.60	1.00	9.37
452.80	1.00	9.37
465.90	1.00	9.38
479.00	1.00	9.38
492.10	1.00	9.38
505.20	1.00	9.38
518.40	1.00	9.38
531.50	1.00	9.38
544.60	1.00	9.38
554.50	1.00	9.38
567.60	1.00	9.38
577.40	1.00	9.38
590.50	1.00	9.39
600.40	1.00	9.39
610.20	1.00	9.39
623.40	1.00	9.39
636.50	1.00	9.39
649.60	1.00	9.39
659.40	1.00	9.39
669.30	1.00	9.39
679.10	1.00	9.39
685.70	1.00	9.39
695.50	1.00	9.40
705.40	1.00	9.40
711.90	1.00	9.40
721.80	1.00	9.40
725.10	1.00	9.40
731.60	1.00	9.40
738.20	1.00	9.40
744.70	1.00	9.40
751.30	1.00	9.40
757.90	1.00	9.40
764.40	1.00	9.40
771.00	1.00	9.41
777.60	1.00	9.41
780.80	1.00	9.41
787.40	1.00	9.41
794.00	1.00	9.41
800.50	1.00	9.41
807.10	1.00	9.41
810.40	1.00	9.41
816.90	1.00	9.41
823.50	1.00	9.41
826.80	1.00	9.42
833.30	1.00	9.42
836.60	1.00	9.42
843.20	1.00	9.42
846.50	1.00	9.42
849.70	1.00	9.42
853.00	1.00	9.42

859.60	1.00	9.42
862.90	1.00	9.42
869.40	1.00	9.43
872.70	1.00	9.43
876.00	1.00	9.43
882.50	1.00	9.43
885.80	1.00	9.43
892.40	1.00	9.43
898.90	1.00	9.43
902.20	1.00	9.43
908.80	1.00	9.43
912.10	1.00	9.43
921.90	1.00	9.43
928.50	1.00	9.43
935.00	1.00	9.43
948.20	1.00	9.43
954.70	1.00	9.43
964.60	1.00	9.43
971.10	1.00	9.43
974.40	1.00	9.43
977.70	1.00	9.44
981.00	1.00	9.44
984.20	1.00	9.44
987.50	1.00	9.44
990.80	1.00	9.44
994.10	1.00	9.44
1000.70	1.00	9.44
1003.90	1.00	9.45
1007.20	1.00	9.45
1010.50	1.00	9.45
1013.80	1.00	9.45
1017.10	1.00	9.46
1020.30	1.00	9.46
1023.60	1.00	9.47
1026.90	1.00	9.47
1030.20	1.00	9.48
1033.50	1.00	9.48
1036.70	1.00	9.49
1040.00	1.00	9.49
1043.30	1.00	9.50
1046.60	1.00	9.51
1049.90	1.00	9.51
1053.10	1.00	9.52
1056.40	1.00	9.53
1059.70	1.00	9.54
1063.00	1.00	9.56
1066.30	1.00	9.57
1069.60	1.00	9.58
1072.80	1.00	9.59
1076.10	1.00	9.59
1079.40	1.00	9.60
1082.70	1.00	9.62
1086.00	1.00	9.65
1089.20	1.00	9.66
1092.50	1.00	9.68
1095.80	1.00	9.69
1099.10	1.00	9.72
1102.40	1.00	9.75
1105.60	1.00	9.78
1108.90	1.00	9.81
1112.20	1.00	9.84
1115.50	1.00	9.87
1118.80	1.00	9.90
1122.00	1.00	9.93
1125.30	1.00	9.95
1128.60	1.00	9.97
1131.90	1.00	9.98
1135.20	1.00	9.99
1138.40	1.00	9.99
1141.70	1.00	10.00
1145.00	1.00	10.00
1148.30	1.00	10.00
1151.60	1.00	10.01
1154.90	1.00	10.01
1158.10	1.00	10.01
1161.40	1.00	10.01
1164.70	1.00	10.02
1168.00	1.00	10.02
1171.30	1.00	10.02
1174.50	1.00	10.03
1181.10	1.00	10.02
1190.90	1.00	10.02
1194.20	1.00	10.02
1197.50	1.00	10.02
1200.80	1.00	10.01
1204.10	1.00	10.00
1207.30	1.00	10.01
1210.60	1.00	10.23
1278.00	1.00	9.64
1444.40	1.00	9.60
1572.00	1.00	9.61
1637.00	1.00	9.61
1695.00	1.00	9.61
1746.00	1.00	9.61
1800.50	1.00	9.61
1860.50	1.00	9.61
1900.00	1.00	9.61
1919.50	1.00	9.61
2088.00	1.00	9.61
2154.00	1.00	9.61
2185.50	1.00	9.61
2216.00	1.00	9.61

2281.00	1.00	9.61
2336.00	1.00	9.61
2390.50	1.00	9.61
2433.00	1.00	9.61
2453.50	1.00	9.62
2475.50	1.00	9.62
2502.50	1.00	9.62
2536.50	1.00	9.62
2566.50	1.00	9.62
2590.50	1.00	9.62
2618.00	1.00	9.62
2646.00	1.00	9.62

PART5 LOCATION OF V ZONES

STATION OF GUTTER	LOCATION OF ZONE
1102.69	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION		FHF
0.00	18.56	V23	EL=19	130
137.80	18.53	V23	EL=19	130
141.10	18.53	V23	EL=19	130
193.60	18.54	V23	EL=19	130
196.80	18.54	V23	EL=19	130
232.90	18.55	V23	EL=19	130
236.20	18.55	V23	EL=19	130
265.70	18.55	V23	EL=19	130
269.00	18.55	V23	EL=19	130
311.70	18.54	V23	EL=19	130
315.00	18.54	V23	EL=19	130
341.20	18.53	V23	EL=19	130
344.50	18.53	V23	EL=19	130
364.20	18.52	V23	EL=19	130
367.50	18.53	V23	EL=19	130
380.60	18.53	V23	EL=19	130
383.90	18.53	V23	EL=19	130
393.70	18.53	V23	EL=19	130
397.00	18.53	V23	EL=19	130
410.10	18.53	V23	EL=19	130
413.40	18.53	V23	EL=19	130
423.20	18.53	V23	EL=19	130
426.50	18.53	V23	EL=19	130
436.40	18.53	V23	EL=19	130
439.60	18.53	V23	EL=19	130
449.50	18.53	V23	EL=19	130
452.80	18.53	V23	EL=19	130
462.60	18.53	V23	EL=19	130
465.90	18.53	V23	EL=19	130
475.70	18.53	V23	EL=19	130
479.00	18.53	V23	EL=19	130
488.80	18.53	V23	EL=19	130
492.10	18.53	V23	EL=19	130
502.00	18.53	V23	EL=19	130
505.20	18.53	V23	EL=19	130
515.10	18.53	V23	EL=19	130
518.40	18.53	V23	EL=19	130
528.20	18.52	V23	EL=19	130
531.50	18.52	V23	EL=19	130
541.30	18.52	V23	EL=19	130
544.60	18.52	V23	EL=19	130
551.20	18.52	V23	EL=19	130
554.50	18.52			

564.30	18.51	V23	EL=19	130
567.60	18.51	V23	EL=19	130
574.10	18.51	V23	EL=19	130
577.40	18.51	V23	EL=19	130
587.30	18.50	V23	EL=19	130
590.50	18.50	V23	EL=19	130
594.22	18.50	V23	EL=19	130
597.10	18.50	V23	EL=18	130
600.40	18.50	V23	EL=18	130
607.00	18.50	V23	EL=18	130
610.20	18.49	V23	EL=18	130
620.10	18.49	V23	EL=18	130
623.40	18.49	V23	EL=18	130
633.20	18.48	V23	EL=18	130
636.50	18.47	V23	EL=18	130
646.30	18.46	V23	EL=18	130
649.60	18.46	V23	EL=18	130
656.20	18.45	V23	EL=18	130
659.40	18.45	V23	EL=18	130
666.00	18.44	V23	EL=18	130
669.30	18.44	V23	EL=18	130
675.90	18.43	V23	EL=18	130
679.10	18.42	V23	EL=18	130
682.40	18.42	V23	EL=18	130
685.70	18.42	V23	EL=18	130
692.30	18.39	V23	EL=18	130
695.50	18.37	V23	EL=18	130
702.10	18.33	V23	EL=18	130
705.40	18.31	V23	EL=18	130
708.70	18.29	V23	EL=18	130
711.90	18.26	V23	EL=18	130
718.50	18.22	V23	EL=18	130
721.80	18.19	V23	EL=18	130
725.10	18.17	V23	EL=18	130
728.30	18.15	V23	EL=18	130
731.60	18.14	V23	EL=18	130
734.90	18.12	V23	EL=18	130
738.20	18.11	V23	EL=18	130
741.50	18.09	V23	EL=18	130
744.70	18.08	V23	EL=18	130
748.00	18.06	V23	EL=18	130
751.30	18.04	V23	EL=18	130
754.60	18.03	V23	EL=18	130
757.90	18.01	V23	EL=18	130
761.20	18.00	V23	EL=18	130
764.40	17.98	V23	EL=18	130
767.70	17.96	V23	EL=18	130
771.00	17.95	V23	EL=18	130
774.30	17.93	V23	EL=18	130
777.60	17.92	V23	EL=18	130
780.80	17.90			

784.10	17.89	V23	EL=18	130
787.40	17.87	V23	EL=18	130
790.70	17.85	V23	EL=18	130
794.00	17.84	V23	EL=18	130
797.20	17.82	V23	EL=18	130
800.50	17.81	V23	EL=18	130
803.80	17.79	V23	EL=18	130
807.10	17.77	V23	EL=18	130
810.40	17.75	V23	EL=18	130
813.60	17.74	V23	EL=18	130
816.90	17.72	V23	EL=18	130
820.20	17.70	V23	EL=18	130
823.50	17.69	V23	EL=18	130
826.80	17.67	V23	EL=18	130
830.10	17.67	V23	EL=18	130
833.30	17.66	V23	EL=18	130
836.60	17.66	V23	EL=18	130
839.90	17.66	V23	EL=18	130
843.20	17.65	V23	EL=18	130
846.50	17.65	V23	EL=18	130
849.70	17.65	V23	EL=18	130
853.00	17.65	V23	EL=18	130
856.30	17.64	V23	EL=18	130
859.60	17.64	V23	EL=18	130
862.90	17.64	V23	EL=18	130
866.10	17.63	V23	EL=18	130
869.40	17.63	V23	EL=18	130
872.70	17.63	V23	EL=18	130
876.00	17.62	V23	EL=18	130
879.30	17.62	V23	EL=18	130
882.50	17.62	V23	EL=18	130
885.80	17.61	V23	EL=18	130
889.10	17.61	V23	EL=18	130
892.40	17.61	V23	EL=18	130
895.70	17.60	V23	EL=18	130
898.90	17.60	V23	EL=18	130
902.20	17.60	V23	EL=18	130
905.50	17.59	V23	EL=18	130
908.80	17.59	V23	EL=18	130
912.10	17.59	V23	EL=18	130
918.60	17.51	V23	EL=18	130
918.90	17.50	V23	EL=18	130
921.90	17.42	V23	EL=17	130
925.20	17.33	V23	EL=17	130
928.50	17.24	V23	EL=17	130
931.80	17.15	V23	EL=17	130
935.00	17.06	V23	EL=17	130
944.90	16.80	V23	EL=17	130
948.20	16.71	V23	EL=17	130
951.40	16.62	V23	EL=17	130
954.70	16.54	V23	EL=17	130

956.23	16.50	V23	EL=17	130
961.30	16.37	V23	EL=16	130
964.60	16.29	V23	EL=16	130
967.80	16.20	V23	EL=16	130
971.10	16.12	V23	EL=16	130
974.40	16.04	V23	EL=16	130
977.70	15.96	V23	EL=16	130
981.00	15.87	V23	EL=16	130
984.20	15.79	V23	EL=16	130
987.50	15.71	V23	EL=16	130
990.80	15.62	V23	EL=16	130
994.10	15.53	V23	EL=16	130
994.95	15.50	V23	EL=15	130
997.40	15.41	V23	EL=15	130
1000.70	15.29	V23	EL=15	130
1003.90	15.17	V23	EL=15	130
1007.20	15.05	V23	EL=15	130
1010.50	14.93	V23	EL=15	130
1013.80	14.81	V23	EL=15	130
1017.10	14.69	V23	EL=15	130
1020.30	14.57	V23	EL=15	130
1023.60	14.60	V23	EL=15	130
1026.90	14.52	V23	EL=15	130
1027.45	14.50	V23	EL=14	130
1030.20	14.38	V23	EL=14	130
1033.50	14.29	V23	EL=14	130
1036.70	14.21	V23	EL=14	130
1040.00	14.12	V23	EL=14	130
1043.30	14.02	V23	EL=14	130
1046.60	13.86	V23	EL=14	130
1049.90	13.71	V23	EL=14	130
1053.10	13.57	V23	EL=14	130
1054.79	13.50	V23	EL=13	130
1056.40	13.43	V23	EL=13	130
1059.70	13.41	V23	EL=13	130
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1069.60	13.26	V23	EL=13	130
1072.80	13.09	V23	EL=13	130
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1079.40	12.59	V23	EL=13	130
1082.70	12.54	V23	EL=13	130
1086.00	12.57	V23	EL=13	130
1089.20	12.53	V23	EL=13	130
1089.59	12.50	V23	EL=12	130
1092.50	12.30	V23	EL=12	130
1095.80	12.07	V24	EL=12	140
1099.10	11.94	V24	EL=12	140
1102.40	11.86	V24	EL=12	140
1102.69	11.87	A19	EL=12	95
1105.60	11.82			

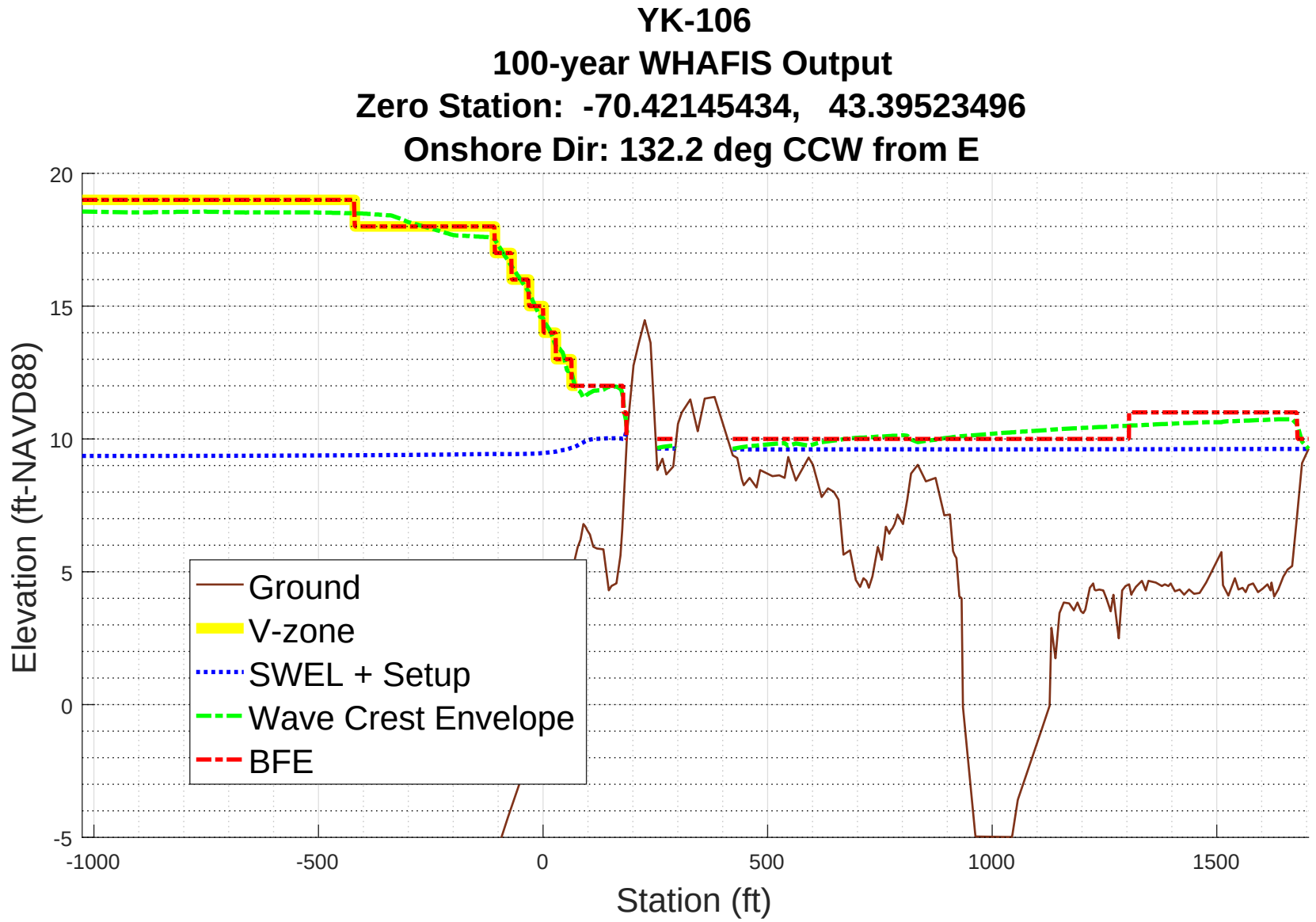
1108.90	11.78	A19	EL=12	95
1112.20	11.68	A19	EL=12	95
1115.50	11.56	A19	EL=12	95
1118.80	11.60	A19	EL=12	95
1122.00	11.65	A19	EL=12	95
1125.30	11.68	A19	EL=12	95
1128.60	11.72	A19	EL=12	95
1131.90	11.75	A19	EL=12	95
1135.20	11.78	A19	EL=12	95
1138.40	11.81	A19	EL=12	95
1141.70	11.82	A19	EL=12	95
1145.00	11.82	A19	EL=12	95
1148.30	11.83	A19	EL=12	95
1151.60	11.83	A19	EL=12	95
1154.90	11.84	A19	EL=12	95
1158.10	11.84	A19	EL=12	95
1161.40	11.86	A19	EL=12	95
1164.70	11.90	A19	EL=12	95
1168.00	11.93	A19	EL=12	95
1171.30	11.96	A19	EL=12	95
1174.50	11.96	A19	EL=12	95
1177.80	11.97	A19	EL=12	95
1181.10	11.97	A19	EL=12	95
1187.70	11.97	A19	EL=12	95
1190.90	11.96	A19	EL=12	95
1194.20	11.93	A19	EL=12	95
1197.50	11.90	A19	EL=12	95
1200.80	11.83	A19	EL=12	95
1204.10	11.56	A19	EL=12	95
1204.45	11.50	A19	EL=11	95
1207.30	10.98	A19	EL=11	95
1210.60	10.72	A19	EL=11	95
1211.86	10.50	A19	EL=10	95
1213.40	10.23			
1278.00	9.64	A19	EL=10	95
1320.40	9.64			
1444.40	9.60	A19	EL=10	95
1564.00	9.84	A19	EL=10	95
1572.00	9.74	A19	EL=10	95
1627.00	9.79	A19	EL=10	95
1637.00	9.84	A19	EL=10	95
1684.00	9.96	A19	EL=10	95
1695.00	9.99	A19	EL=10	95
1739.50	10.05	A19	EL=10	95
1746.00	10.06	A19	EL=10	95
1797.00	10.11	A19	EL=10	95
1800.50	10.11	A19	EL=10	95
1845.50	9.98	A19	EL=10	95
1860.50	9.88	A19	EL=10	95
1878.50	9.93	A19	EL=10	95
1900.00	9.97	A19	EL=10	95
1919.50	10.03			

			A19 EL=10	95
2083.00	10.26			
			A19 EL=10	95
2088.00	10.27			
			A19 EL=10	95
2127.00	10.31			
			A19 EL=10	95
2154.00	10.34			
			A19 EL=10	95
2176.00	10.37			
			A19 EL=10	95
2185.50	10.38			
			A19 EL=10	95
2208.00	10.40			
			A19 EL=10	95
2216.00	10.40			
			A19 EL=10	95
2273.50	10.45			
			A19 EL=10	95
2281.00	10.46			
			A19 EL=10	95
2330.46	10.50			
			A19 EL=11	95
2331.00	10.50			
			A19 EL=11	95
2336.00	10.51			
			A19 EL=11	95
2374.00	10.53			
			A19 EL=11	95
2390.50	10.55			
			A19 EL=11	95
2423.50	10.57			
			A19 EL=11	95
2433.00	10.58			
			A19 EL=11	95
2443.50	10.59			
			A19 EL=11	95
2453.50	10.60			
			A19 EL=11	95
2464.50	10.60			
			A19 EL=11	95
2475.50	10.61			
			A19 EL=11	95
2488.00	10.62			
			A19 EL=11	95
2502.50	10.63			
			A19 EL=11	95
2536.50	10.63			
			A19 EL=11	95
2552.00	10.67			
			A19 EL=11	95
2566.50	10.67			
			A19 EL=11	95
2583.50	10.68			
			A19 EL=11	95
2590.50	10.69			
			A19 EL=11	95
2607.00	10.70			
			A19 EL=11	95
2618.00	10.71			
			A19 EL=11	95
2639.00	10.72			
			A19 EL=11	95
2646.00	10.73			
			A19 EL=11	95
2705.83	10.50			
			A19 EL=10	95
2730.50	9.63			

ZONE TERMINATED AT END OF TRANSECT
PART 7 POSTSCRIPT NOTES

PS# 1 START(385094.3735,4805455.9209)
PS# 2 END(384505.3791,4806105.5345)

-1.000000e+00


YK-106
100-year WHAFIS Output
Zero Station: -70.42145434, 43.39523496
Onshore Dir: 132.2 deg CCW from E
Elevation (ft-NAVD88)
Station (ft)
20
15
10
5
0
-5
-1000
-500
0
500
1000
1500
Ground
V-zone
SWEL + Setup
Wave Crest Envelope
BFE

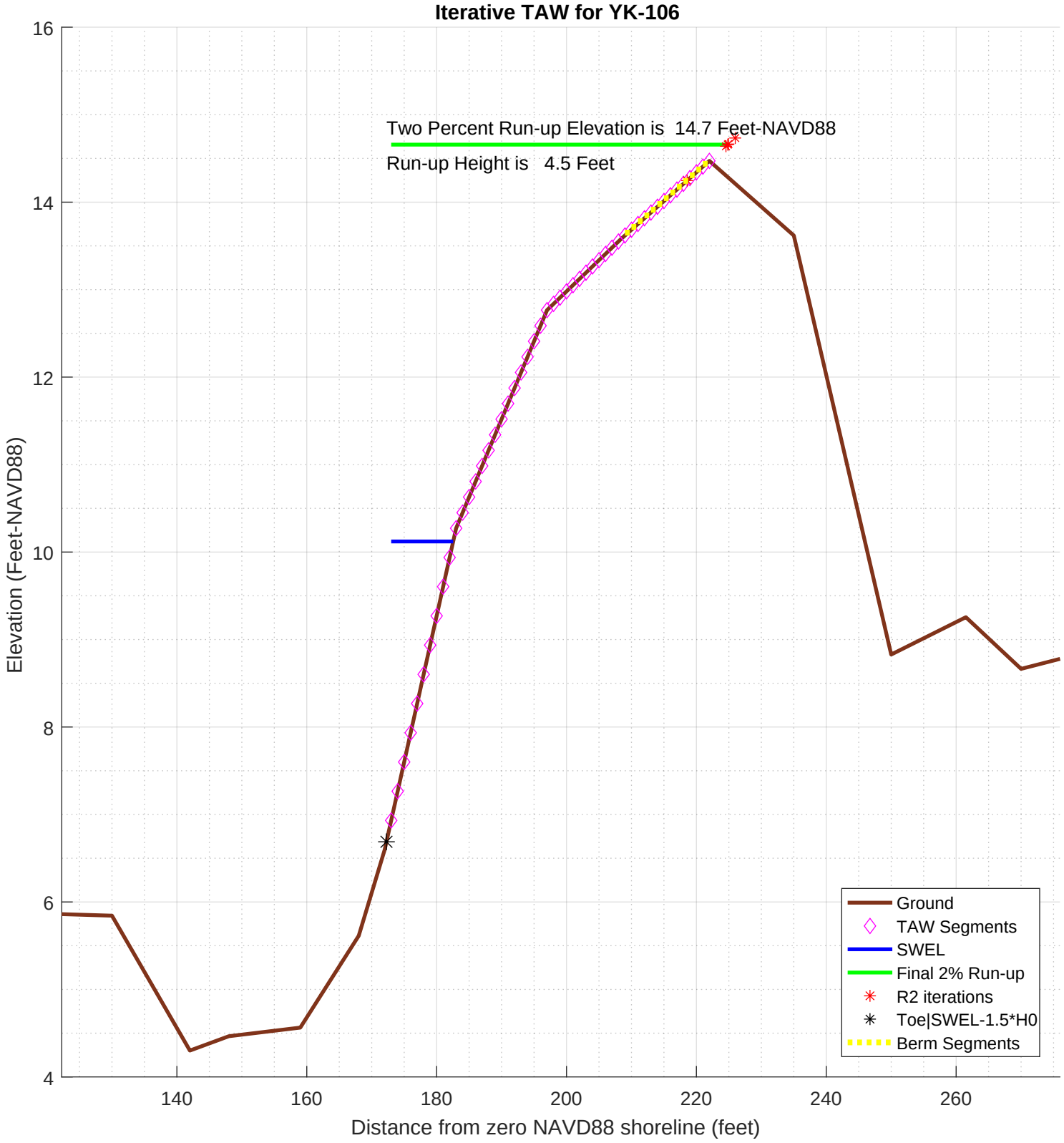
```
_____________________________________________________________
PART 4: TAW

Input Paramters:
    TWL- 9.3612 feet
    HS-  2.2239 feet
    PER- 12.5841 seconds
    TOE- x: 159 , z: 4.5636 feet
    TOP- x: 222 , z: 14.4718 feet
    GBERM-   0.98726
    GGROUGH- 0.6
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/YK-106-DIARY.txt

CHECKING VALIDITY:
...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 14.6575 feet

PART 4 COMPLETE_____________________________________________
```


Iterative TAW for YK-106
Two Percent Run-up Elevation is 14.7 Feet-NAVD88
Run-up Height is 4.5 Feet
Elevation (Feet-NAVD88)
Distance from zero NAVD88 shoreline (feet)
16
14
12
10
8
6
4
140
160
180
200
220
240
260
Ground
TAW Segments
SWEL
Final 2% Run-up
R2 iterations
Toe|SWEL-1.5*H0
Berm Segments

```
diary on         % begin recording

% FEMA appeal for The Town of Kennebunkport, York county, Maine
% TRANSECT ID: YK-106
% calculation by SJH, Ransom Consulting, Inc. 02-Apr-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/YK-106sta_ele_include.csv';   % file with station, elevation, include
                                    % third colunm is 0 for excluded points
imgname='logfiles/YK-106-runup';
SWEL=9.3612;  % 100-yr still water level including wave setup.
H0=2.2239;    % significant wave height at toe of structure
Tp=12.5841;    % peak period, 1/fma,
T0=Tp/1.1;

gamma_berm=0.94278;   % this may get changed automatically below
gamma_rough=0.6;
gamma_beta=1;
gamma_perm=1;

setupAtToe=0.66269;
maxSetup=0.86394;   % only used in case of berm/shallow foreshore weighted average

plotTitle='Iterative TAW for YK-106'

plotTitle =

Iterative TAW for YK-106



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

SWEL=SWEL+setupAtToe

SWEL =

                  10.02389

SWEL_fore=SWEL+maxSetup

SWEL_fore =

                  10.88783



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

L0 =

          669.668791633084


% 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 =

                    6.68804


% 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 =

                   13.35974


% 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 =

          172.270232810157


top_sta =

          205.328239137445

% check to make sure we got them, if not extend the end slopes outward
S=diff(dep)./diff(sta);
if toe_sta==-999
   dy=dep(1)-Ztoe;
   toe_sta=sta(1)-dy/S(1)
end
if top_sta==-999
   dy=Z2-dep(end);
   top_sta=sta(end)+dy/S(end)
end

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

top_sta =

          205.328239137445

toe_sta

toe_sta =

          172.270232810157




% 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 27.5 ft landward of toe of slope


ans =

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


ans =

-!!-       setup is adjusted to 0.76 feet


ans =

-!!-       SWEL is adjusted to 10.12 feet


k =

     1
     2
     3
     4
     5
     6
     7
     8
     9
    10
    11
    12
    13
    14



% 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 =
                  6.68804
toe_sta =
         172.270232810157
top_sta =
         205.328239137445
Z2 =
                13.35974
H0 =
                  2.2239
Tp =
                  12.5841
T0 =
         11.4400909090909
R2 =
                   6.6717
Z2 =
          16.792859666885
top_sta =
         257.373068974275
Lslope =
         85.1028361641183
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 37
dh =
        -3.53041583311496
rdh_sum =
         0.545744151092099
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 38
```

```
dh =
         -3.59603233311496
rdh_sum =
          1.10684807754562
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 39
dh =
         -3.66164883311496
rdh_sum =
          1.68325345007157
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 40
dh =
         -3.72726583311496
rdh_sum =
          2.27488744847745
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 41
dh =
         -3.79288283311496
rdh_sum =
            2.881662598394
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 42
dh =
         -3.85849983311496
rdh_sum =
          3.50347697161712
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 43
dh =
         -3.92411633311496
rdh_sum =
          4.14021417017599
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 44
dh =
         -3.98973283311496
rdh_sum =
          4.79174366590274
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 45
dh =
         -4.05534983311496
rdh_sum =
          5.45792092105712
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 46
dh =
         -4.12096683311496
rdh_sum =
          6.13858730182598
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 47
dh =
         -4.18658383311496
rdh_sum =
          6.83357034298923
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 48
dh =
         -4.25220033311496
rdh_sum =
          7.54268380562533
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 49
dh =
         -4.31781683311496
rdh_sum =
          8.26572807179969
ans =
!------- End Berm Factor Calculation, Iter: 1 ---------!
berm_width =
    13
rB =
         0.152756366132497
rdh_mean =
         0.635825236292284
gamma_berm =
         0.944369986458848
slope =
         0.140144551926983
Irb =
          2.43191629101195
gamma_berm =
         0.944369986458848
gamma_perm =
     1
gamma_beta =
     1
```

```
gamma_rough =
                    0.6
gamma =
         0.566621991875309
ans =
!!! - - Iribaren number:   2.30 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:7.1 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          4.12560728910278
R2del =
          2.54609271089722
Z2 =
          14.2467669559878
top_sta =
          218.570720331436
ans =
!----------------- STARTING ITERATION 2 -----------------!
Ztoe =
                    6.68804
toe_sta =
          172.270232810157
top_sta =
          218.570720331436
Z2 =
          14.2467669559878
H0 =
                     2.2239
Tp =
                    12.5841
T0 =
          11.4400909090909
R2 =
          4.12560728910278
Z2 =
          14.2467669559878
top_sta =
          218.570720331436
Lslope =
          46.3004875212792
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 37
dh =
         -3.53041583311496
rdh_sum =
         0.949518231292898
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 38
dh =
         -3.59603233311496
rdh_sum =
          1.90941029675155
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 39
dh =
         -3.66164883311496
rdh_sum =
           2.8785282676531
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 40
dh =
         -3.72726583311496
rdh_sum =
          3.85570124351448
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 41
dh =
         -3.79288283311496
rdh_sum =
          4.83973814287964
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 42
dh =
         -3.85849983311496
rdh_sum =
          5.82943075110932
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 43
dh =
         -3.92411633311496
rdh_sum =
          6.82355670713583
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 44
dh =
         -3.98973283311496
rdh_sum =
          7.82088263160731
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 45
```

```
dh =
         -4.05534983311496
rdh_sum =
          8.82016716796591
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 46
dh =
         -4.12096683311496
rdh_sum =
          9.82016404162643
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 47
dh =
         -4.18658383311496
rdh_sum =
          10.8196251999236
ans =
!------- End Berm Factor Calculation, Iter: 2 ---------!
berm_width =
    11
rB =
         0.237578491909929
rdh_mean =
         0.983602290902147
gamma_berm =
         0.996104257001754
slope =
         0.214125285137533
Irb =
          3.71569755715408
gamma_berm =
         0.996104257001754
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                      0.6
gamma =
         0.597662554201053
ans =
!!! - - Iribaren number:   3.70 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 =
          4.61206673401333
R2del =
         0.486459444910555
Z2 =
          14.7332264008984
ans =
!----------------- STARTING ITERATION 3 -----------------!
Ztoe =
                    6.68804
toe_sta =
          172.270232810157
top_sta =
          225.984354677879
Z2 =
          14.7332264008984
H0 =
                     2.2239
Tp =
                    12.5841
T0 =
          11.4400909090909
R2 =
          4.61206673401333
Z2 =
          14.7332264008984
top_sta =
          225.984354677879
Lslope =
          53.7141218677221
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 37
dh =
         -3.53041583311496
rdh_sum =
         0.870315245154172
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 38
dh =
         -3.59603233311496
rdh_sum =
          1.75527150410681
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 39
dh =
         -3.66164883311496
```

```
rdh_sum =
          2.65409987120616
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 40
dh =
         -3.72726583311496
rdh_sum =
          3.56600382940036
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 41
dh =
         -3.79288283311496
rdh_sum =
          4.49016063558538
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 42
dh =
         -3.85849983311496
rdh_sum =
          5.42572307263599
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 43
dh =
         -3.92411633311496
rdh_sum =
          6.37182106473792
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 44
dh =
         -3.98973283311496
rdh_sum =
          7.32756358269138
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 45
dh =
         -4.05534983311496
rdh_sum =
           8.2920403965119
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 46
dh =
         -4.12096683311496
rdh_sum =
          9.26432375329019
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 47
dh =
         -4.18658383311496
rdh_sum =
          10.2434703072117
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 48
dh =
         -4.25220033311496
rdh_sum =
          11.2285229624827
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 49
dh =
         -4.31781683311496
rdh_sum =
          12.2185128824641
ans =
!------- End Berm Factor Calculation, Iter: 3 ---------!
berm_width =
    13
rB =
         0.242022014843958
rdh_mean =
          0.93988560634339
gamma_berm =
         0.985450993326104
slope =
         0.197601864705242
Irb =
          3.42896807120544
gamma_berm =
         0.985450993326104
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                       0.6
gamma =
         0.591270595995663
ans =
!!! - - Iribaren number:   3.38 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:5.1 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
```

```
R2_new =
          4.51802392308553
R2del =
         0.0940428109277986
Z2 =
          14.6391835899706
ans =
!----------------- STARTING ITERATION 4 -----------------!
Ztoe =
                    6.68804
toe_sta =
          172.270232810157
top_sta =
           224.55114665362
Z2 =
          14.6391835899706
H0 =
                     2.2239
Tp =
                    12.5841
T0 =
          11.4400909090909
R2 =
          4.51802392308553
Z2 =
          14.6391835899706
top_sta =
           224.55114665362
Lslope =
          52.2809138434632
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 37
dh =
         -3.53041583311496
rdh_sum =
         0.886661042345764
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 38
dh =
         -3.59603233311496
rdh_sum =
          1.78737847312912
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 39
dh =
         -3.66164883311496
rdh_sum =
          2.70131824448724
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 40
dh =
         -3.72726583311496
rdh_sum =
          3.62761887859615
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 41
dh =
         -3.79288283311496
rdh_sum =
          4.56539306553805
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 42
dh =
         -3.85849983311496
rdh_sum =
          5.51372961413297
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 43
dh =
         -3.92411633311496
rdh_sum =
          6.47169527874202
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 44
dh =
         -3.98973283311496
rdh_sum =
          7.43833685579963
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 45
dh =
         -4.05534983311496
rdh_sum =
          8.41268313878004
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 46
dh =
         -4.12096683311496
rdh_sum =
          9.39374681467531
```

```
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 47
dh =
         -4.18658383311496
rdh_sum =
          10.3805265887733
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 48
dh =
         -4.25220033311496
rdh_sum =
          11.3720092368213
ans =
Berm Factor Calculation: Iteration 4, Profile Segment: 49
dh =
         -4.31781683311496
rdh_sum =
          12.3671717934558
ans =
!------- End Berm Factor Calculation, Iter: 4 ---------!
berm_width =
    13
rB =
         0.248656709385837
rdh_mean =
         0.951320907188907
gamma_berm =
         0.987895616965706
slope =
         0.202417479940929
Irb =
          3.51253302597452
gamma_berm =
         0.987895616965706
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                       0.6
gamma =
         0.592737370179424
ans =
!!! - - Iribaren number:   3.47 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.9 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          4.54286185909809
R2del =
        0.0248379360125632
Z2 =
          14.6640215259831
ans =
!----------------- STARTING ITERATION 5 -----------------!
Ztoe =
                    6.68804
toe_sta =
          172.270232810157
top_sta =
          224.929675632582
Z2 =
          14.6640215259831
H0 =
                     2.2239
Tp =
                    12.5841
T0 =
          11.4400909090909
R2 =
          4.54286185909809
Z2 =
          14.6640215259831
top_sta =
          224.929675632582
Lslope =
          52.6594428224254
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 37
dh =
         -3.53041583311496
rdh_sum =
         0.882371522388302
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 38
dh =
         -3.59603233311496
rdh_sum =
          1.77896334649868
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 39
```

```
dh =
         -3.66164883311496
rdh_sum =
          2.68895901158635
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 40
dh =
         -3.72726583311496
rdh_sum =
          3.61151455493854
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 41
dh =
         -3.79288283311496
rdh_sum =
          4.54576005123253
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 42
dh =
         -3.85849983311496
rdh_sum =
          5.49080150875659
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 43
dh =
         -3.92411633311496
rdh_sum =
          6.44572263815255
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 44
dh =
         -3.98973283311496
rdh_sum =
          7.40958689655306
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 45
dh =
         -4.05534983311496
rdh_sum =
          8.38143938712393
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 46
dh =
         -4.12096683311496
rdh_sum =
          9.36030869572424
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 47
dh =
         -4.18658383311496
rdh_sum =
           10.34520896252
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 48
dh =
         -4.25220033311496
rdh_sum =
          11.3351418770797
ans =
Berm Factor Calculation: Iteration 5, Profile Segment: 49
dh =
         -4.31781683311496
rdh_sum =
          12.3290988180249
ans =
!------- End Berm Factor Calculation, Iter: 5 ---------!
berm_width =
    13
rB =
         0.246869304026587
rdh_mean =
         0.948392216771146
gamma_berm =
         0.987259622471938
slope =
         0.201111789736822
Irb =
          3.48987549676827
gamma_berm =
         0.987259622471938
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
                       0.6
gamma =
         0.592355773483163
ans =
!!! - - Iribaren number:   3.45 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
```

```
ans =
!!! - - slope: 1:5.0 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          4.53629239466394
R2del =
       0.00656946443415762
Z2 =
           14.657452061549
% final 2% runup elevation
Z2=R2_new+SWEL
Z2 =
           14.657452061549
diary off
-1.000000e+00
```

_____
PART 5: RUNUP2

for transect: YK-106

Station locations shifted by: -4.38 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input

_____RUNUP2 INPUT CONVERSIONS_____
for transect: YK-106

Incident significant wave height: 8.21 feet

Peak wave period: 12.90 seconds

Mean wave height: 5.14 feet

Local Depth below SWEL: 21.31 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 = 21.31
Period, T = 10.97
Waveheight, H = 5.14
Deep water wavelength, L0 (ft)
L0 = g*T*T/twopi
L0 = 32.17*10.97*10.97/6.28 = 615.66
Deep water wave celerity, C0 (ft/s)
C0 = L0/T
C0 = 615.66/10.97 = 56.15
Angular frequency, sigma (rad/s)
sigma = twopi/T
sigma = 6.28/10.97 = 0.57
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
y = sigma.*sigma.*D./g
y = 0.57*0.57*21.31/32.17 = 0.22
C1H = sqrt(g.*D./(y+1./(1 + 0.6522.*y + 0.4622.*y.^2 + 0.0864.*y.^4 +0.0675.*y.^5)))
C1H = 25.23
Shoaling Coefficient KsH
KsH = sqrt(C0/C1H)
KsH = sqrt(56.15/25.23) = 1.49
Deepwater Wave Height H0_H (ft)
H0_H = H/KsH
H0_H = 5.14/1.49 = 3.45

Deepwater mean wave height: 3.45 feet

_____END RUNUP2 CONVERSIONS_____

_____RUNUP2 RESULTS_____
for transect: YK-106

RUNUP2 SWEL:
9.40
9.40
9.40
9.40

9.40
9.40
9.40
9.40
9.40

RUNUP2 deepwater mean wave heights:
3.27
3.27
3.27
3.45
3.45
3.45
3.62
3.62
3.62

RUNUP2 mean wave periods:
10.42
10.97
11.51
10.42
10.97
11.51
10.42
10.97
11.51

RUNUP2 runup above SWEL:
1.32
1.39
1.47
1.36
1.44
1.49
1.40
1.47
1.54

RUNUP2 Mean runup height above SWEL: 1.43 feet

RUNUP2 2-percent runup height above SWEL: 3.15 feet

RUNUP2 2-percent runup elevation: 12.55 feet-NAVD88

RUNUP2 Messages:
No Messages

_____END RUNUP2 RESULTS_____

_____ACES BEACH RUNUP_____

Incident significant wave height: 8.21 feet

Significant wave height is mean wave height divided by 0.626
Reference: D.2.8.1.2.1 Atlanic and Gulf of Mexico G&S Feb. 2007

Deepwater significant wave height: 5.51 feet

Peak wave period: 12.90 seconds

Average beach Slope: 1:47.41 (H:V)

ACES IRREGULAR WAVE RUNUP ON BEACHES

Reference:
Leenknecht, David A., Andre Szuwaiski, and Ann Sherlock. 1992.
"Automated Coastal Engineering System Technical Reference",
Coastal Engineering Research Center, Department of the Army

```
# Waterways Experiments Station, Corps of Eniggneers, 3909 Halls
# Ferry Road, Vicksburg, Mississippi 39180-6199.

INPUTS:

Acceleration Due to Gravity,        g  =   32.174
Deepwater Significant Wave height,  Hs =     5.51
Wave Period,                        T  =    12.90
Beach Slope,                        S  =    0.021

EQUATIONS:

Runup,           R   = Hs * a * Irb^b
Iribarren,       Irb = S/sqrt(Hs/L0)
Wavelength,      L0  = g * T^2 / 2 / pi

COEFFICIENTS:
(Mase, H. 1989, "Random Wave Runup Height on Gentle Slopes,"
j. Waterway, Port, Coastal and Ocean Engineering Division,
ASCE, Vol 115, No. 5, pp 649-661.)

               [Rmax,  R2%, R-1/3, R-1/10, R-mean]
          a = [2.32, 1.86,  1.70,   1.38,   0.88]
          b = [0.77, 0.71,  0.71,   0.70,   0.69]

RESULTS:

       RUNUP = [ 4.6,  4.0,   3.6,    3.0,    1.9]

ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'

ACES Beach 2-percent runup height above SWEL: 3.96 feet

ACES Beach 2-percent runup elevation: 13.36 feet-NAVD88

ACES BEACH RUNUP is valid

_____________END ACES BEACH RESULTS_____________________

PART 5 COMPLETE_____________________________________________
```

```
  FEMA                                                  sjh            job 2
  RUNUP2 transect: YK-106                                                 1
15.0
  -11.95 -1026.1 0.6
  -11.81 -1003.1 0.6
  -10.88 -751.1 0.6
  -10.13 -662.1 0.6
  -9.41 -518.1 0.6
  -8.50 -403.1 0.6
  -7.16 -301.1 0.6
  -6.15 -201.1 0.6
  -5.91 -110.1 0.6
  -2.02 -33.1  0.6
  -0.02 -5.1   0.6
  0.99  15.9   0.6
  2.33  30.9   0.6
  2.79  44.9   0.6
  4.24  54.4   0.6
  6.80  89.9   0.6
  6.80  176.4  0.6
  10.27 187.4  0.6
  12.77 201.4  0.6
1 14.47 226.4  0.6
 9.4   3.27  10.42
 9.4   3.27  10.97
 9.4   3.27  11.51
 9.4   3.45  10.42
 9.4   3.45  10.97
 9.4   3.45  11.51
 9.4   3.62  10.42
 9.4   3.62  10.97
 9.4   3.62  11.51
```

****

CROSS SECTION PROFILE

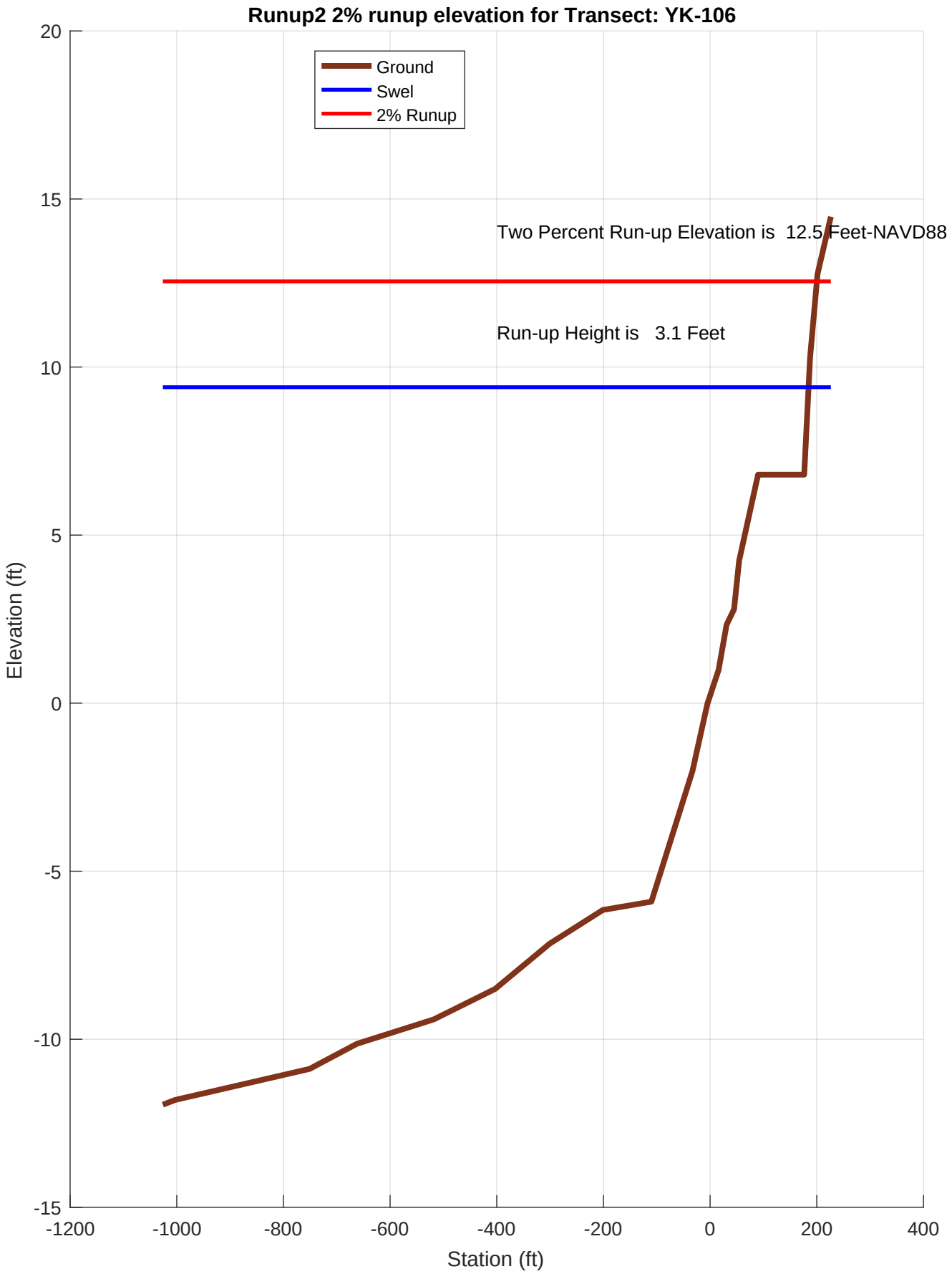
	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-102.6	-11.9		
			.00	10.60
2	-100.3	-11.8		
			-650.70	10.60
3	-751.0	-10.8		
			127.14	.60
4	-662.0	-10.1		
			208.55	.60
5	-518.1	-9.4		
			126.37	.60
6	-403.1	-8.5		
			76.12	.60
7	-301.1	-7.2		
			99.01	.60
8	-201.1	-6.1		
			379.17	.60
9	-110.1	-5.9		
			19.79	.60
10	-33.1	-2.0		
			14.00	.60
11	-5.1	.0		
			20.79	.60
12	15.9	1.0		
			11.19	.60
13	30.9	2.3		
			30.43	.60
14	44.9	2.8		
			6.55	.60
15	54.4	4.3		
			13.87	.60
16	89.9	6.8		
			FLAT	.60
17	176.4	6.8		
			3.17	.60
18	187.4	10.3		
			5.60	.60
19	201.4	12.8		
			14.71	.60
20	226.4	14.5		

LAST SLOPE 15.00 LAST ROUGHNESS .60

****

OUTPUT TABLE

INPUT PARAMETERS			RUNUP RESULTS			
WATER LEVEL ABOVE DATUM (FT.)	DEEP WATER WAVE HEIGHT (FT.)	WAVE PERIOD (SEC.)	BREAKING SLOPE NUMBER	RUNUP SLOPE NUMBER	RUNUP ABOVE WATER LEVEL (FT.)	BREAKER DEPTH (FT.)
9.40	3.27	10.42	11	18	1.32	5.76
9.40	3.27	10.97	11	18	1.39	5.89
9.40	3.27	11.51	11	18	1.47	6.02
9.40	3.45	10.42	11	18	1.36	6.01
9.40	3.45	10.97	11	18	1.44	6.14
9.40	3.45	11.51	11	18	1.49	6.27
9.40	3.62	10.42	11	18	1.40	6.24
9.40	3.62	10.97	11	18	1.47	6.38
9.40	3.62	11.51	11	18	1.54	6.51


Runup2 2% runup elevation for Transect: YK-106
Ground
Swel
2% Runup
Two Percent Run-up Elevation is 12.5 Feet-NAVD88
Run-up Height is 3.1 Feet
Elevation (ft)
Station (ft)
20
15
10
5
0
-5
-10
-15
-1200
-1000
-800
-600
-400
-200
0
200
400