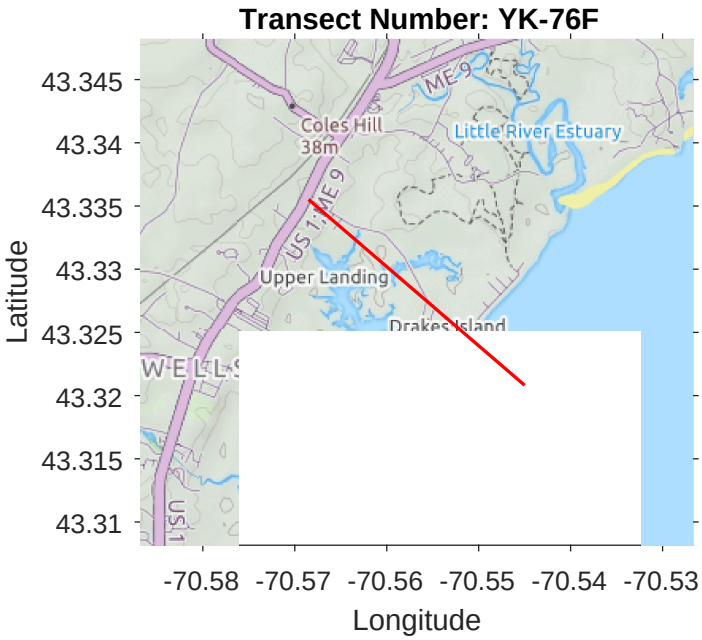
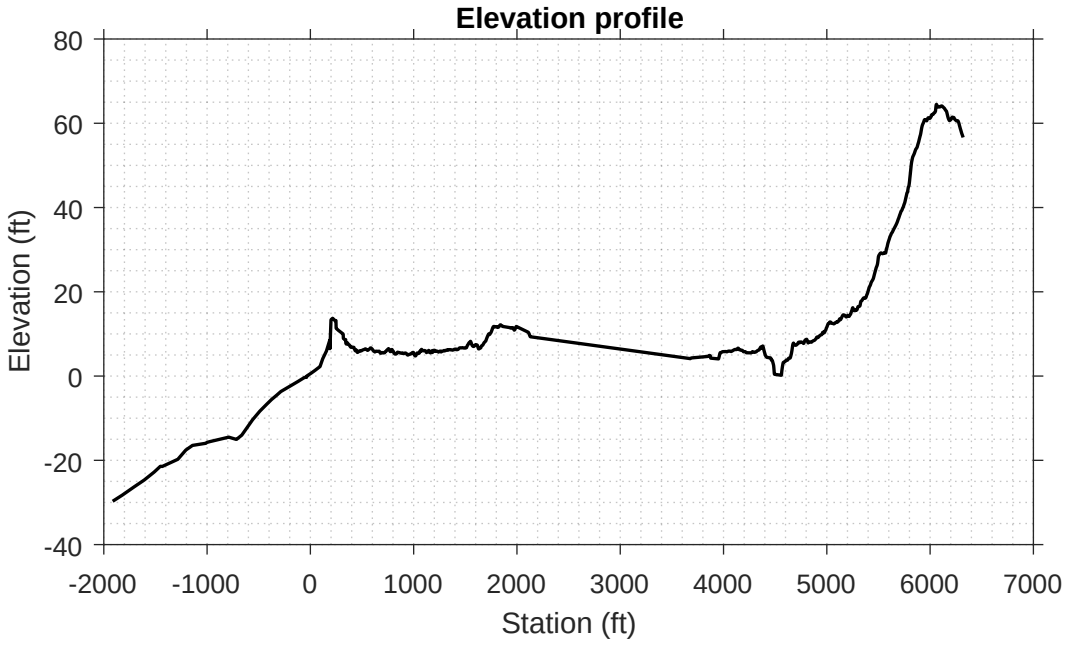

Transect Number: YK-76F
Latitude
43.345
43.34
43.335
43.33
43.325
43.32
43.315
43.31
Coles Hill
38m
ME 9
Little River Estuary
US 1
ME 9
Upper Landing
Drakes Island
-70.58
-70.57
-70.56
-70.55
-70.54
-70.53
Longitude


Elevation profile
Elevation (ft)
80
60
40
20
0
-20
-40
-2000
-1000
0
1000
2000
3000
4000
5000
6000
7000
Station (ft)

DATA LOG FOR TRANSECT ID: YK-76F

PART 1: USER INPUT

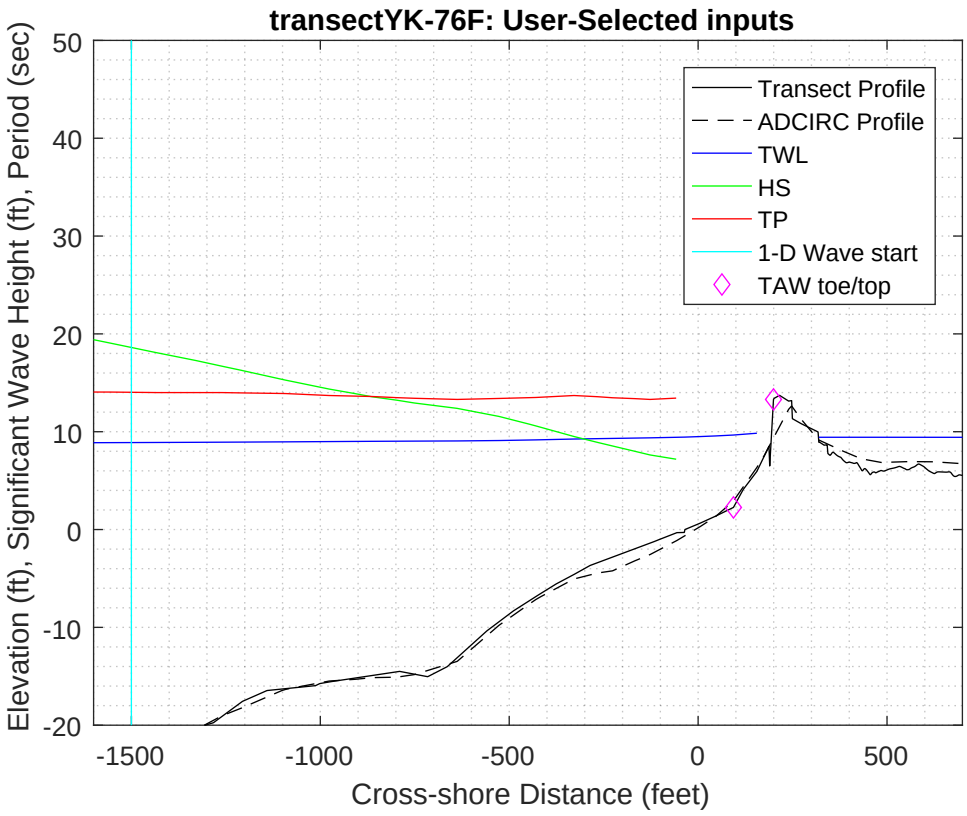
SWAN 1-D / WHAFIS input

station: -1500.1 ft
LON: -70.5462 deg E
LAT: 43.3216 deg N
Bottom ELEV: -22.5044 ft-NAVD88
TWL: 8.8908 ft-NAVD88
HS: 18.6105 ft
TP: 14.0299 sec
Wave Direction bin: 135 deg CCW from East (90 deg sector)
Transect Direction: 147.9791 deg CCW from East

TAW/RUNUP input

toe sta: 93.51 ft
toe elev: 2.261 ft-NAVD88
top sta: 199.5 ft
top elev: 13.3 ft-NAVD88
Wave and water level conditions at toe to be calculated in SWAN 1-D

PART 1 COMPLETE


transectYK-76F: User-Selected inputs
Elevation (ft), Significant Wave Height (ft), Period (sec)
Cross-shore Distance (feet)
50
40
30
20
10
0
-10
-20
-1500
-1000
-500
0
500
Transect Profile
ADCIRC Profile
TWL
HS
TP
1-D Wave start
TAW toe/top

PART 2: SWAN 1-D

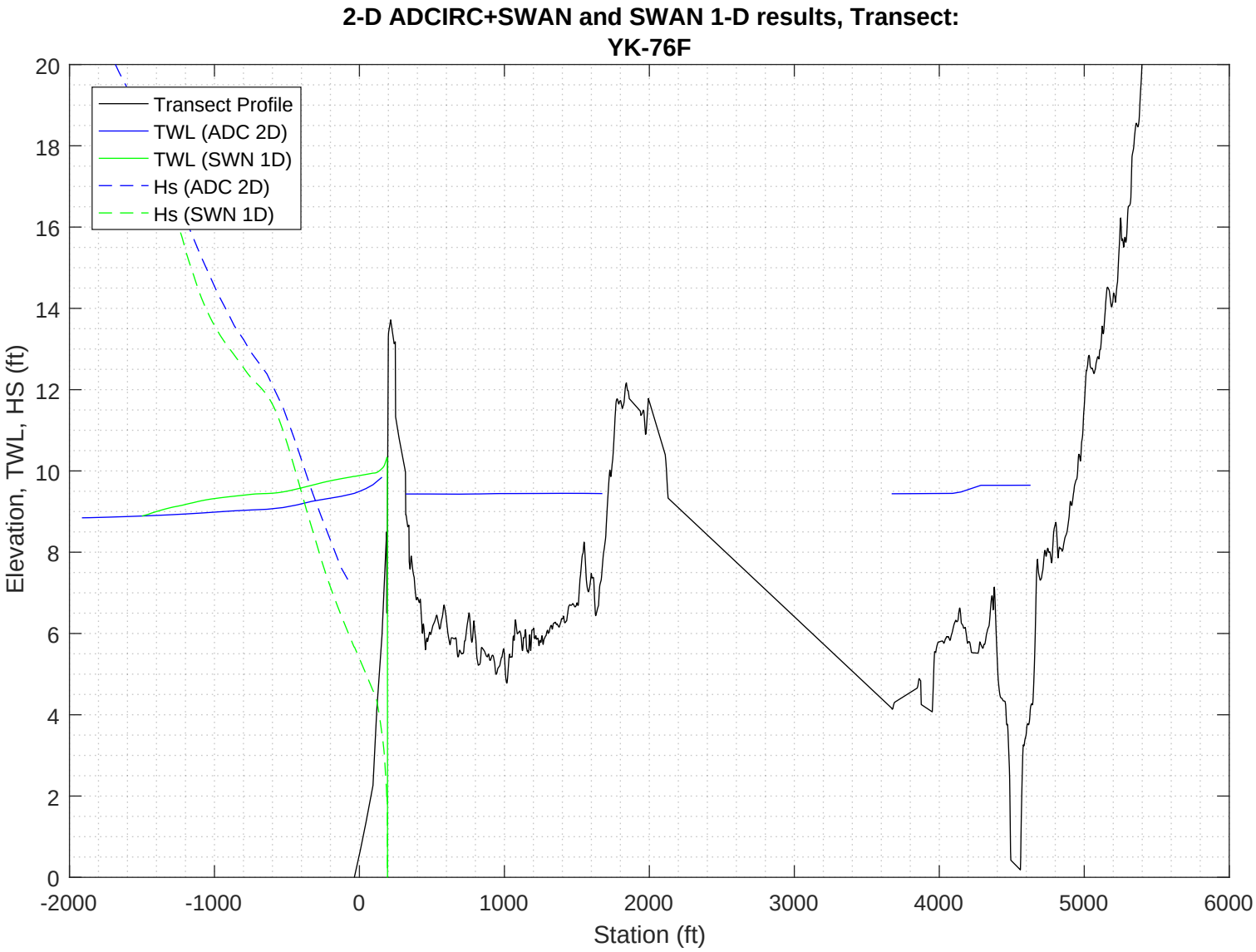
swan input grid name: 2_swan/gridfiles/YK-76Fzmeters_xmeters.grd
swan file name: 2_swan/swanfiles/YK-76F.swn
swan output name: 2_swan/swanfiles/YK-76F.dat

Boundary Conditions:
    TWL- 2.7099 meters
    HS- 5.6725 meters
    PER- 14.0299 seconds

Batch File: 2_swan/swanfiles/runswan.dat

SWAN maximum additional wave setup: 1.4462 feet
SWAN output at toe:
    SETUP- 1.055 feet
    HS-   4.5874 feet
    PER-   13.8735 seconds

PART 2 COMPLETE


2-D ADCIRC+SWAN and SWAN 1-D results, Transect:
YK-76F
Transect Profile
TWL (ADC 2D)
TWL (SWN 1D)
Hs (ADC 2D)
Hs (SWN 1D)
Elevation, TWL, HS (ft)
Station (ft)
20
18
16
14
12
10
8
6
4
2
0
-2000
-1000
0
1000
2000
3000
4000
5000
6000

1

```
                    Execution started at 20200305.104141


                    ---------------------------------------
                                    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      518       0.   518     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      518   0      1       1
 !READinp BOTtom [fac]  'fname1'  [idla]  [nhedf]  [FREe|FORmat[form]|UNFormatted]
  READ    BOTTOM   -1. '../gridfiles/YK-76Fzmeters_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   5.6725     14.0299     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      518  518    0
!TABLe 'sname' < HEADer|NOHEADer|INDexed > 'fname' <output parameters> (output time)
 Table 'curve'   HEADER 'YK-76F.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             519 MYC              1
                     : MCGRD           520
                     : 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  14.32 % 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   0.20 % 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  19.15 % 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  74.67 % of wet grid points ( 99.50 % required)

iteration    6; sweep 1
iteration    6; sweep 2
iteration    6; sweep 3
iteration    6; sweep 4
accuracy OK in  97.30 % 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  98.65 % 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  98.84 % of wet grid points ( 99.50 % required)

iteration    9; sweep 1
iteration    9; sweep 2
iteration    9; sweep 3
iteration    9; sweep 4
accuracy OK in  98.84 % of wet grid points ( 99.50 % required)

iteration   10; sweep 1
iteration   10; sweep 2
iteration   10; sweep 3
iteration   10; sweep 4
accuracy OK in  99.04 % of wet grid points ( 99.50 % required)

iteration   11; sweep 1
iteration   11; sweep 2
iteration   11; sweep 3
iteration   11; sweep 4
accuracy OK in  99.04 % of wet grid points ( 99.50 % required)

iteration   12; sweep 1
iteration   12; sweep 2
iteration   12; sweep 3
iteration   12; sweep 4
accuracy OK in  99.42 % of wet grid points ( 99.50 % required)

iteration   13; sweep 1
iteration   13; sweep 2
iteration   13; sweep 3
iteration   13; sweep 4
accuracy OK in  99.23 % of wet grid points ( 99.50 % required)

iteration   14; sweep 1
iteration   14; sweep 2
iteration   14; sweep 3
iteration   14; sweep 4
accuracy OK in 100.00 % of wet grid points ( 99.50 % required)


STOP
```

% Run:1 Table:curve SWAN version:41.20A

Xp [m]	Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0.	0.	5.68863	13.8188	13.8874	12.6710	0.000	31.5057	9.5700	0.000000
1.	0.	5.69898	13.8216	13.8874	12.4751	0.000	31.4436	9.5508	0.000832
2.	0.	5.70778	13.8243	13.8874	12.2978	0.000	31.3732	9.5216	0.001574
3.	0.	5.71295	13.8267	13.8874	12.1408	0.000	31.3051	9.5025	0.002465
4.	0.	5.71551	13.8290	13.8874	12.0025	0.000	31.2341	9.4834	0.003387
5.	0.	5.71542	13.8310	13.8874	11.8804	0.000	31.1506	9.4643	0.004341
6.	0.	5.71413	13.8328	13.8874	11.7721	0.000	31.0691	9.4352	0.005218
7.	0.	5.71073	13.8344	13.8874	11.6736	0.000	30.9958	9.4162	0.006240
8.	0.	5.70569	13.8360	13.8874	11.5845	0.000	30.9150	9.3973	0.007286
9.	0.	5.70015	13.8373	13.8874	11.5042	0.000	30.8322	9.3682	0.008239
10.	0.	5.69279	13.8386	13.8874	11.4307	0.000	30.7575	9.3493	0.009328
11.	0.	5.68448	13.8397	13.8874	11.3637	0.000	30.6842	9.3304	0.010430
12.	0.	5.67503	13.8408	13.8874	11.3024	0.000	30.6038	9.3115	0.011547
13.	0.	5.66554	13.8418	13.8874	11.2466	0.000	30.5202	9.2826	0.012559
14.	0.	5.65496	13.8427	13.8874	11.1946	0.000	30.4503	9.2637	0.013696
15.	0.	5.64362	13.8435	13.8874	11.1462	0.000	30.3993	9.2549	0.014945
16.	0.	5.63152	13.8442	13.8874	11.1009	0.000	30.3636	9.2563	0.016300
17.	0.	5.61924	13.8449	13.8874	11.0592	0.000	30.3330	9.2576	0.017639
18.	0.	5.60713	13.8455	13.8874	11.0206	0.000	30.3170	9.2590	0.018960
19.	0.	5.59415	13.8461	13.8874	10.9843	0.000	30.3057	9.2704	0.020375
20.	0.	5.58120	13.8466	13.8874	10.9511	0.000	30.2732	9.2717	0.021661
21.	0.	5.56839	13.8471	13.8874	10.9207	0.000	30.2245	9.2628	0.022823
22.	0.	5.55529	13.8476	13.8874	10.8923	0.000	30.1719	9.2540	0.023977
23.	0.	5.54201	13.8480	13.8874	10.8657	0.000	30.1181	9.2451	0.025122
24.	0.	5.52836	13.8484	13.8874	10.8406	0.000	30.0564	9.2363	0.026259
25.	0.	5.51529	13.8487	13.8874	10.8176	0.000	29.9958	9.2173	0.027283
26.	0.	5.50295	13.8491	13.8874	10.7901	0.000	29.9462	9.2084	0.028415
27.	0.	5.49101	13.8494	13.8874	10.7622	0.000	29.9000	9.1995	0.029540
28.	0.	5.47910	13.8496	13.8874	10.7350	0.000	29.8548	9.1907	0.030659
29.	0.	5.46709	13.8499	13.8874	10.7088	0.000	29.8100	9.1818	0.031772
30.	0.	5.45498	13.8501	13.8874	10.6838	0.000	29.7655	9.1729	0.032879
31.	0.	5.44277	13.8503	13.8874	10.6598	0.000	29.7212	9.1640	0.033980
32.	0.	5.43024	13.8504	13.8874	10.6368	0.000	29.6703	9.1551	0.035075
33.	0.	5.41826	13.8506	13.8874	10.6155	0.000	29.6171	9.1361	0.036058
34.	0.	5.40564	13.8507	13.8874	10.5943	0.000	29.5703	9.1271	0.037146
35.	0.	5.39302	13.8508	13.8874	10.5739	0.000	29.5257	9.1182	0.038226
36.	0.	5.38037	13.8509	13.8874	10.5543	0.000	29.4822	9.1093	0.039298
37.	0.	5.36765	13.8509	13.8874	10.5357	360.000	29.4394	9.1004	0.040363
38.	0.	5.35456	13.8510	13.8874	10.5186	359.998	29.3987	9.0914	0.041434
39.	0.	5.34125	13.8510	13.8874	10.5027	359.995	29.3588	9.0825	0.042503
40.	0.	5.32773	13.8510	13.8874	10.4874	359.990	29.3128	9.0736	0.043564
41.	0.	5.31469	13.8510	13.8874	10.4738	359.984	29.2642	9.0545	0.044518
42.	0.	5.30113	13.8510	13.8874	10.4600	359.978	29.2219	9.0456	0.045570
43.	0.	5.28766	13.8510	13.8874	10.4466	359.971	29.1818	9.0366	0.046612
44.	0.	5.27425	13.8510	13.8874	10.4337	359.965	29.1426	9.0276	0.047643
45.	0.	5.26140	13.8509	13.8874	10.4200	359.963	29.1025	9.0186	0.048647
46.	0.	5.24875	13.8509	13.8874	10.4064	359.961	29.0624	9.0096	0.049635
47.	0.	5.23601	13.8508	13.8874	10.3929	359.961	29.0162	9.0006	0.050614
48.	0.	5.22392	13.8508	13.8874	10.3806	359.960	28.9678	8.9815	0.051482
49.	0.	5.21131	13.8507	13.8874	10.3678	359.960	28.9257	8.9724	0.052449
50.	0.	5.19880	13.8506	13.8874	10.3554	359.959	28.8858	8.9634	0.053408
51.	0.	5.18635	13.8505	13.8874	10.3434	359.959	28.8469	8.9544	0.054357
52.	0.	5.17396	13.8504	13.8874	10.3317	359.958	28.8086	8.9453	0.055298
53.	0.	5.16161	13.8503	13.8874	10.3204	359.958	28.7707	8.9362	0.056231
54.	0.	5.14933	13.8502	13.8874	10.3093	359.957	28.7332	8.9272	0.057155
55.	0.	5.13692	13.8501	13.8874	10.2986	359.957	28.6897	8.9181	0.058070
56.	0.	5.12516	13.8500	13.8874	10.2888	359.956	28.6443	8.8989	0.058880
57.	0.	5.11290	13.8499	13.8874	10.2785	359.956	28.6049	8.8898	0.059785
58.	0.	5.10075	13.8498	13.8874	10.2685	359.956	28.5677	8.8807	0.060683
59.	0.	5.08867	13.8497	13.8874	10.2588	359.955	28.5315	8.8716	0.061572

60.	0.	5.07666	13.8496	13.8874	10.2492	359.955	28.4959	8.8625	0.062454
61.	0.	5.06472	13.8494	13.8874	10.2400	359.955	28.4606	8.8533	0.063327
62.	0.	5.05284	13.8493	13.8874	10.2309	359.954	28.4257	8.8442	0.064192
63.	0.	5.04087	13.8492	13.8874	10.2220	359.954	28.3849	8.8350	0.065049
64.	0.	5.02954	13.8490	13.8874	10.2141	359.954	28.3421	8.8158	0.065802
65.	0.	5.01772	13.8489	13.8874	10.2055	359.954	28.3053	8.8067	0.066650
66.	0.	5.00587	13.8488	13.8874	10.1972	359.953	28.2645	8.7975	0.067491
67.	0.	4.99435	13.8486	13.8874	10.1897	359.953	28.2101	8.7782	0.068228
68.	0.	4.98321	13.8485	13.8874	10.1831	359.953	28.1449	8.7489	0.068866
69.	0.	4.97192	13.8484	13.8874	10.1765	359.953	28.0764	8.7195	0.069511
70.	0.	4.96054	13.8482	13.8874	10.1700	359.953	28.0068	8.6902	0.070160
71.	0.	4.94909	13.8481	13.8874	10.1636	359.953	27.9369	8.6608	0.070815
72.	0.	4.93771	13.8480	13.8874	10.1573	359.953	27.8730	8.6315	0.071477
73.	0.	4.92569	13.8478	13.8874	10.1502	359.954	27.8117	8.6122	0.072242
74.	0.	4.91417	13.8477	13.8874	10.1441	359.954	27.7449	8.5829	0.072908
75.	0.	4.90305	13.8475	13.8874	10.1361	359.949	27.6772	8.5536	0.073579
76.	0.	4.89234	13.8474	13.8874	10.1260	359.949	27.6109	8.5243	0.074262
77.	0.	4.88074	13.8473	13.8874	10.1179	359.956	27.5479	8.4950	0.074986
78.	0.	4.86980	13.8471	13.8874	10.1082	359.960	27.4912	8.4657	0.075704
79.	0.	4.85836	13.8470	13.8874	10.0971	359.961	27.4366	8.4465	0.076521
80.	0.	4.84767	13.8469	13.8874	10.0861	359.964	27.3762	8.4172	0.077233
81.	0.	4.83692	13.8468	13.8874	10.0750	359.966	27.3145	8.3880	0.077950
82.	0.	4.82605	13.8467	13.8874	10.0640	359.968	27.2529	8.3587	0.078677
83.	0.	4.81504	13.8466	13.8874	10.0530	359.970	27.1911	8.3294	0.079413
84.	0.	4.80369	13.8465	13.8874	10.0427	359.972	27.1304	8.3002	0.080165
85.	0.	4.79179	13.8464	13.8874	10.0342	359.977	27.0776	8.2709	0.080947
86.	0.	4.77861	13.8463	13.8874	10.0265	359.980	27.0289	8.2519	0.081855
87.	0.	4.76577	13.8462	13.8874	10.0203	359.984	26.9747	8.2227	0.082668
88.	0.	4.75267	13.8461	13.8874	10.0146	359.986	26.9178	8.1935	0.083489
89.	0.	4.73964	13.8461	13.8874	10.0089	359.989	26.8654	8.1643	0.084315
90.	0.	4.72608	13.8460	13.8874	10.0025	359.992	26.8201	8.1452	0.085246
91.	0.	4.71258	13.8459	13.8874	9.9962	359.994	26.7769	8.1262	0.086174
92.	0.	4.69937	13.8458	13.8874	9.9898	359.997	26.7389	8.1071	0.087090
93.	0.	4.68609	13.8457	13.8874	9.9817	0.004	26.7000	8.0981	0.088071
94.	0.	4.67379	13.8456	13.8874	9.9738	0.013	26.6540	8.0789	0.088922
95.	0.	4.66271	13.8455	13.8874	9.9626	0.022	26.6049	8.0597	0.089729
96.	0.	4.65161	13.8454	13.8874	9.9518	0.027	26.5617	8.0405	0.090541
97.	0.	4.63988	13.8453	13.8874	9.9403	0.031	26.5207	8.0315	0.091452
98.	0.	4.62883	13.8452	13.8874	9.9297	0.035	26.4749	8.0123	0.092252
99.	0.	4.61793	13.8451	13.8874	9.9191	0.041	26.4328	7.9930	0.093045
100.	0.	4.60671	13.8450	13.8874	9.9072	0.049	26.3931	7.9839	0.093921
101.	0.	4.59623	13.8449	13.8874	9.8962	0.059	26.3476	7.9647	0.094677
102.	0.	4.58577	13.8447	13.8874	9.8855	0.069	26.3060	7.9454	0.095435
103.	0.	4.57470	13.8446	13.8874	9.8733	0.083	26.2679	7.9363	0.096309
104.	0.	4.56432	13.8445	13.8874	9.8619	0.099	26.2250	7.9171	0.097073
105.	0.	4.55385	13.8444	13.8874	9.8507	0.118	26.1809	7.8978	0.097839
106.	0.	4.54354	13.8443	13.8874	9.8395	0.138	26.1412	7.8786	0.098598
107.	0.	4.53250	13.8442	13.8874	9.8277	0.157	26.1043	7.8695	0.099466
108.	0.	4.52215	13.8441	13.8874	9.8168	0.177	26.0623	7.8502	0.100219
109.	0.	4.51185	13.8440	13.8874	9.8061	0.198	26.0241	7.8310	0.100973
110.	0.	4.50100	13.8439	13.8874	9.7948	0.218	25.9985	7.8218	0.101836
111.	0.	4.48966	13.8438	13.8874	9.7829	0.237	25.9836	7.8228	0.102800
112.	0.	4.47839	13.8437	13.8874	9.7713	0.257	25.9666	7.8237	0.103747
113.	0.	4.46796	13.8436	13.8874	9.7608	0.277	25.9486	7.8146	0.104574
114.	0.	4.45688	13.8435	13.8874	9.7495	0.297	25.9318	7.8155	0.105496
115.	0.	4.44666	13.8434	13.8874	9.7393	0.318	25.9146	7.8063	0.106299
116.	0.	4.43590	13.8433	13.8874	9.7284	0.338	25.9040	7.8072	0.107198
117.	0.	4.42521	13.8432	13.8874	9.7177	0.358	25.8902	7.8081	0.108082
118.	0.	4.41533	13.8432	13.8874	9.7081	0.378	25.8749	7.7988	0.108848
119.	0.	4.40481	13.8431	13.8874	9.6976	0.397	25.8604	7.7997	0.109709
120.	0.	4.39511	13.8430	13.8874	9.6883	0.417	25.8452	7.7905	0.110454
121.	0.	4.38487	13.8429	13.8874	9.6783	0.436	25.8364	7.7913	0.111294
122.	0.	4.37467	13.8429	13.8874	9.6685	0.455	25.8240	7.7921	0.112120
123.	0.	4.36522	13.8428	13.8874	9.6599	0.472	25.8091	7.7828	0.112833
124.	0.	4.35553	13.8428	13.8874	9.6497	0.490	25.7983	7.7836	0.113629
125.	0.	4.34616	13.8427	13.8874	9.6389	0.509	25.7826	7.7844	0.114400
126.	0.	4.33757	13.8426	13.8874	9.6291	0.528	25.7648	7.7751	0.115061

127.	0.	4.32857	13.8426	13.8874	9.6179	0.550	25.7475	7.7758	0.115807
128.	0.	4.32045	13.8425	13.8874	9.6073	0.573	25.7297	7.7664	0.116444
129.	0.	4.31179	13.8425	13.8874	9.5960	0.597	25.7180	7.7672	0.117175
130.	0.	4.30312	13.8424	13.8874	9.5848	0.620	25.7031	7.7679	0.117896
131.	0.	4.29519	13.8424	13.8874	9.5749	0.643	25.6864	7.7585	0.118509
132.	0.	4.28664	13.8423	13.8874	9.5640	0.666	25.6708	7.7592	0.119214
133.	0.	4.27892	13.8423	13.8874	9.5541	0.692	25.6556	7.7498	0.119811
134.	0.	4.27067	13.8423	13.8874	9.5434	0.717	25.6462	7.7505	0.120500
135.	0.	4.26247	13.8422	13.8874	9.5327	0.743	25.6336	7.7512	0.121178
136.	0.	4.25502	13.8422	13.8874	9.5231	0.768	25.6193	7.7417	0.121749
137.	0.	4.24695	13.8422	13.8874	9.5126	0.794	25.6058	7.7424	0.122410
138.	0.	4.23962	13.8421	13.8874	9.5032	0.819	25.5911	7.7330	0.122967
139.	0.	4.23177	13.8421	13.8874	9.4930	0.843	25.5825	7.7336	0.123616
140.	0.	4.22398	13.8421	13.8874	9.4828	0.867	25.5707	7.7343	0.124253
141.	0.	4.21694	13.8421	13.8874	9.4736	0.892	25.5571	7.7248	0.124785
142.	0.	4.20930	13.8420	13.8874	9.4634	0.916	25.5443	7.7254	0.125407
143.	0.	4.20239	13.8420	13.8874	9.4544	0.940	25.5308	7.7159	0.125926
144.	0.	4.19496	13.8420	13.8874	9.4445	0.964	25.5237	7.7165	0.126536
145.	0.	4.18759	13.8420	13.8874	9.4346	0.988	25.5134	7.7171	0.127136
146.	0.	4.18094	13.8420	13.8874	9.4257	1.012	25.5013	7.7076	0.127633
147.	0.	4.17380	13.8419	13.8874	9.4159	1.036	25.4952	7.7082	0.128220
148.	0.	4.16670	13.8419	13.8874	9.4060	1.059	25.4858	7.7088	0.128797
149.	0.	4.16017	13.8419	13.8874	9.3971	1.083	25.4649	7.6993	0.129270
150.	0.	4.15425	13.8419	13.8874	9.3889	1.106	25.4344	7.6796	0.129644
151.	0.	4.14829	13.8419	13.8874	9.3805	1.129	25.4009	7.6600	0.130018
152.	0.	4.14238	13.8419	13.8874	9.3720	1.151	25.3713	7.6404	0.130396
153.	0.	4.13598	13.8419	13.8874	9.3627	1.174	25.3538	7.6309	0.130872
154.	0.	4.12905	13.8419	13.8874	9.3523	1.197	25.3411	7.6314	0.131438
155.	0.	4.12278	13.8419	13.8874	9.3430	1.220	25.3243	7.6219	0.131904
156.	0.	4.11663	13.8419	13.8874	9.3337	1.243	25.3113	7.6124	0.132367
157.	0.	4.10991	13.8419	13.8874	9.3234	1.266	25.3010	7.6129	0.132919
158.	0.	4.10384	13.8419	13.8874	9.3140	1.289	25.2857	7.6034	0.133371
159.	0.	4.09789	13.8419	13.8874	9.3047	1.313	25.2741	7.5938	0.133820
160.	0.	4.09137	13.8419	13.8874	9.2943	1.336	25.2650	7.5944	0.134358
161.	0.	4.08552	13.8419	13.8874	9.2848	1.360	25.2510	7.5848	0.134795
162.	0.	4.07977	13.8419	13.8874	9.2754	1.383	25.2407	7.5752	0.135231
163.	0.	4.07347	13.8419	13.8874	9.2649	1.407	25.2331	7.5758	0.135754
164.	0.	4.06788	13.8419	13.8874	9.2554	1.431	25.2250	7.5662	0.136180
165.	0.	4.06171	13.8419	13.8874	9.2450	1.456	25.2184	7.5667	0.136694
166.	0.	4.05639	13.8419	13.8874	9.2349	1.483	25.2069	7.5571	0.137103
167.	0.	4.05124	13.8419	13.8874	9.2245	1.511	25.1992	7.5475	0.137510
168.	0.	4.04558	13.8419	13.8874	9.2129	1.541	25.1941	7.5480	0.138002
169.	0.	4.04058	13.8419	13.8874	9.2024	1.572	25.1891	7.5384	0.138402
170.	0.	4.03491	13.8419	13.8874	9.1911	1.605	25.1857	7.5389	0.138893
171.	0.	4.02981	13.8420	13.8874	9.1811	1.640	25.1823	7.5293	0.139295
172.	0.	4.02416	13.8420	13.8874	9.1700	1.675	25.1806	7.5298	0.139783
173.	0.	4.01915	13.8420	13.8874	9.1598	1.710	25.1736	7.5202	0.140175
174.	0.	4.01428	13.8420	13.8874	9.1495	1.746	25.1702	7.5106	0.140564
175.	0.	4.00890	13.8420	13.8874	9.1379	1.782	25.1693	7.5110	0.141038
176.	0.	4.00415	13.8420	13.8874	9.1275	1.819	25.1685	7.5014	0.141421
177.	0.	3.99890	13.8420	13.8874	9.1159	1.856	25.1693	7.5019	0.141887
178.	0.	3.99426	13.8420	13.8874	9.1056	1.894	25.1700	7.4923	0.142263
179.	0.	3.98910	13.8420	13.8874	9.0940	1.932	25.1722	7.4927	0.142722
180.	0.	3.98447	13.8421	13.8874	9.0837	1.970	25.1696	7.4831	0.143091
181.	0.	3.97985	13.8421	13.8874	9.0735	2.010	25.1711	7.4735	0.143462
182.	0.	3.97474	13.8421	13.8874	9.0621	2.051	25.1753	7.4739	0.143918
183.	0.	3.97018	13.8421	13.8874	9.0521	2.091	25.1797	7.4643	0.144286
184.	0.	3.96508	13.8421	13.8874	9.0410	2.133	25.1862	7.4647	0.144738
185.	0.	3.96053	13.8421	13.8874	9.0313	2.174	25.1928	7.4551	0.145102
186.	0.	3.95547	13.8421	13.8874	9.0204	2.218	25.2007	7.4555	0.145549
187.	0.	3.95081	13.8422	13.8874	9.0110	2.261	25.2037	7.4459	0.145911
188.	0.	3.94623	13.8422	13.8874	9.0016	2.306	25.2103	7.4363	0.146271
189.	0.	3.94117	13.8422	13.8874	8.9909	2.351	25.2194	7.4367	0.146714
190.	0.	3.93667	13.8422	13.8874	8.9816	2.396	25.2284	7.4271	0.147071
191.	0.	3.93168	13.8422	13.8874	8.9711	2.442	25.2388	7.4275	0.147509
192.	0.	3.92708	13.8423	13.8874	8.9621	2.487	25.2441	7.4179	0.147862
193.	0.	3.92251	13.8423	13.8874	8.9531	2.533	25.2525	7.4082	0.148216

194.	0.	3.91728	13.8423	13.8874	8.9434	2.575	25.2614	7.4087	0.148658
195.	0.	3.91259	13.8423	13.8874	8.9350	2.617	25.2701	7.3990	0.149015
196.	0.	3.90743	13.8423	13.8874	8.9253	2.660	25.2803	7.3995	0.149451
197.	0.	3.90282	13.8424	13.8874	8.9170	2.703	25.2898	7.3898	0.149802
198.	0.	3.89775	13.8424	13.8874	8.9073	2.746	25.3008	7.3902	0.150232
199.	0.	3.89314	13.8424	13.8874	8.8990	2.789	25.3063	7.3806	0.150576
200.	0.	3.88860	13.8424	13.8874	8.8906	2.833	25.3151	7.3709	0.150919
201.	0.	3.88361	13.8424	13.8874	8.8811	2.877	25.3263	7.3713	0.151342
202.	0.	3.87912	13.8425	13.8874	8.8728	2.921	25.3370	7.3617	0.151683
203.	0.	3.87417	13.8425	13.8874	8.8634	2.965	25.3489	7.3621	0.152102
204.	0.	3.86971	13.8425	13.8874	8.8553	3.009	25.3595	7.3524	0.152438
205.	0.	3.86476	13.8425	13.8874	8.8461	3.052	25.3709	7.3529	0.152853
206.	0.	3.86014	13.8426	13.8874	8.8384	3.092	25.3759	7.3432	0.153186
207.	0.	3.85542	13.8426	13.8874	8.8312	3.130	25.3834	7.3335	0.153525
208.	0.	3.85000	13.8426	13.8874	8.8232	3.163	25.3891	7.3340	0.153950
209.	0.	3.84504	13.8426	13.8874	8.8168	3.194	25.3939	7.3243	0.154293
210.	0.	3.83967	13.8426	13.8874	8.8090	3.227	25.4001	7.3247	0.154713
211.	0.	3.83469	13.8427	13.8874	8.8026	3.257	25.4003	7.3151	0.155050
212.	0.	3.82979	13.8427	13.8874	8.7962	3.288	25.4036	7.3054	0.155386
213.	0.	3.82448	13.8427	13.8874	8.7885	3.320	25.4094	7.3058	0.155799
214.	0.	3.81963	13.8427	13.8874	8.7822	3.351	25.4142	7.2961	0.156131
215.	0.	3.81438	13.8428	13.8874	8.7746	3.383	25.4205	7.2965	0.156540
216.	0.	3.80958	13.8428	13.8874	8.7685	3.413	25.4255	7.2869	0.156867
217.	0.	3.80457	13.8428	13.8874	8.7610	3.447	25.4431	7.2873	0.157271
218.	0.	3.79939	13.8428	13.8874	8.7522	3.484	25.4722	7.2977	0.157746
219.	0.	3.79437	13.8428	13.8874	8.7435	3.522	25.5048	7.3082	0.158211
220.	0.	3.78938	13.8428	13.8874	8.7349	3.558	25.5319	7.3187	0.158666
221.	0.	3.78476	13.8429	13.8874	8.7280	3.591	25.5547	7.3190	0.159041
222.	0.	3.77994	13.8429	13.8874	8.7198	3.626	25.5845	7.3295	0.159483
223.	0.	3.77514	13.8429	13.8874	8.7116	3.659	25.6095	7.3399	0.159915
224.	0.	3.77077	13.8429	13.8874	8.7050	3.691	25.6319	7.3403	0.160268
225.	0.	3.76623	13.8429	13.8874	8.6969	3.725	25.6617	7.3507	0.160687
226.	0.	3.76182	13.8429	13.8874	8.6890	3.759	25.6935	7.3611	0.161096
227.	0.	3.75740	13.8429	13.8874	8.6811	3.792	25.7192	7.3715	0.161498
228.	0.	3.75339	13.8429	13.8874	8.6747	3.823	25.7417	7.3718	0.161821
229.	0.	3.74920	13.8429	13.8874	8.6669	3.857	25.7717	7.3822	0.162210
230.	0.	3.74515	13.8429	13.8874	8.6592	3.890	25.8034	7.3926	0.162591
231.	0.	3.74105	13.8429	13.8874	8.6517	3.922	25.8288	7.4030	0.162964
232.	0.	3.73728	13.8429	13.8874	8.6458	3.951	25.8509	7.4033	0.163265
233.	0.	3.73334	13.8429	13.8874	8.6385	3.982	25.8804	7.4136	0.163629
234.	0.	3.72952	13.8429	13.8874	8.6312	4.014	25.9115	7.4240	0.163986
235.	0.	3.72567	13.8429	13.8874	8.6240	4.044	25.9363	7.4343	0.164335
236.	0.	3.72220	13.8430	13.8874	8.6184	4.072	25.9580	7.4346	0.164612
237.	0.	3.71856	13.8430	13.8874	8.6113	4.102	25.9871	7.4450	0.164951
238.	0.	3.71490	13.8430	13.8874	8.6043	4.132	26.0109	7.4553	0.165284
239.	0.	3.71139	13.8430	13.8874	8.5988	4.156	26.0196	7.4555	0.165545
240.	0.	3.70795	13.8430	13.8874	8.5949	4.176	26.0121	7.4457	0.165738
241.	0.	3.70471	13.8430	13.8874	8.5922	4.192	25.9921	7.4259	0.165862
242.	0.	3.70139	13.8430	13.8874	8.5894	4.207	25.9681	7.4060	0.165988
243.	0.	3.69798	13.8431	13.8874	8.5866	4.222	25.9424	7.3861	0.166118
244.	0.	3.69450	13.8431	13.8874	8.5838	4.237	25.9158	7.3663	0.166251
245.	0.	3.69091	13.8431	13.8874	8.5811	4.252	25.8883	7.3464	0.166390
246.	0.	3.68725	13.8431	13.8874	8.5784	4.267	25.8604	7.3265	0.166532
247.	0.	3.68351	13.8432	13.8874	8.5758	4.281	25.8315	7.3067	0.166679
248.	0.	3.67975	13.8432	13.8874	8.5731	4.293	25.8009	7.2868	0.166825
249.	0.	3.67591	13.8432	13.8874	8.5705	4.306	25.7700	7.2670	0.166975
250.	0.	3.67200	13.8433	13.8874	8.5679	4.319	25.7389	7.2471	0.167130
251.	0.	3.66800	13.8433	13.8874	8.5653	4.332	25.7076	7.2273	0.167291
252.	0.	3.66394	13.8433	13.8874	8.5628	4.345	25.6762	7.2075	0.167455
253.	0.	3.65982	13.8434	13.8874	8.5602	4.358	25.6445	7.1876	0.167624
254.	0.	3.65564	13.8434	13.8874	8.5576	4.371	25.6126	7.1678	0.167796
255.	0.	3.65124	13.8434	13.8874	8.5549	4.382	25.5701	7.1480	0.167971
256.	0.	3.64742	13.8435	13.8874	8.5553	4.387	25.5143	7.1080	0.167998
257.	0.	3.64308	13.8435	13.8874	8.5541	4.394	25.4581	7.0781	0.168107
258.	0.	3.63906	13.8436	13.8874	8.5543	4.400	25.3985	7.0381	0.168143
259.	0.	3.63446	13.8436	13.8874	8.5529	4.407	25.3406	7.0083	0.168267
260.	0.	3.63013	13.8437	13.8874	8.5531	4.412	25.2797	6.9683	0.168322

261.	0.	3.62521	13.8437	13.8874	8.5517	4.419	25.2206	6.9385	0.168467
262.	0.	3.62057	13.8438	13.8874	8.5519	4.424	25.1586	6.8985	0.168541
263.	0.	3.61533	13.8439	13.8874	8.5505	4.430	25.0985	6.8687	0.168708
264.	0.	3.61040	13.8439	13.8874	8.5506	4.435	25.0359	6.8288	0.168802
265.	0.	3.60490	13.8440	13.8874	8.5490	4.441	24.9749	6.7990	0.168987
266.	0.	3.59967	13.8440	13.8874	8.5491	4.447	24.9111	6.7591	0.169101
267.	0.	3.59379	13.8441	13.8874	8.5476	4.453	24.8494	6.7293	0.169313
268.	0.	3.58822	13.8442	13.8874	8.5476	4.457	24.7853	6.6895	0.169451
269.	0.	3.58201	13.8442	13.8874	8.5461	4.463	24.7234	6.6597	0.169687
270.	0.	3.57611	13.8443	13.8874	8.5461	4.467	24.6586	6.6198	0.169848
271.	0.	3.56958	13.8444	13.8874	8.5444	4.472	24.5960	6.5901	0.170110
272.	0.	3.56337	13.8444	13.8874	8.5443	4.475	24.5306	6.5503	0.170295
273.	0.	3.55651	13.8445	13.8874	8.5425	4.480	24.4673	6.5206	0.170582
274.	0.	3.54997	13.8446	13.8874	8.5423	4.483	24.4011	6.4808	0.170791
275.	0.	3.54277	13.8447	13.8874	8.5403	4.486	24.3370	6.4511	0.171105
276.	0.	3.53591	13.8447	13.8874	8.5400	4.489	24.2697	6.4113	0.171340
277.	0.	3.52837	13.8448	13.8874	8.5380	4.492	24.2046	6.3817	0.171681
278.	0.	3.52119	13.8449	13.8874	8.5377	4.495	24.1365	6.3419	0.171938
279.	0.	3.51330	13.8450	13.8874	8.5357	4.498	24.0707	6.3123	0.172306
280.	0.	3.50576	13.8451	13.8874	8.5353	4.500	24.0018	6.2726	0.172591
281.	0.	3.49748	13.8452	13.8874	8.5333	4.502	23.9354	6.2430	0.172990
282.	0.	3.48954	13.8453	13.8874	8.5331	4.503	23.8661	6.2033	0.173305
283.	0.	3.48093	13.8453	13.8874	8.5311	4.505	23.8044	6.1737	0.173737
284.	0.	3.47212	13.8454	13.8874	8.5291	4.506	23.7391	6.1442	0.174179
285.	0.	3.46368	13.8455	13.8874	8.5288	4.506	23.6696	6.1045	0.174534
286.	0.	3.45450	13.8456	13.8874	8.5268	4.506	23.6021	6.0750	0.175007
287.	0.	3.44569	13.8457	13.8874	8.5265	4.505	23.5312	6.0354	0.175392
288.	0.	3.43621	13.8458	13.8874	8.5244	4.505	23.4680	6.0059	0.175897
289.	0.	3.42661	13.8459	13.8874	8.5223	4.505	23.4065	5.9764	0.176415
290.	0.	3.41697	13.8460	13.8874	8.5201	4.507	23.3506	5.9469	0.176945
291.	0.	3.40672	13.8461	13.8874	8.5162	4.510	23.2994	5.9276	0.177587
292.	0.	3.39689	13.8462	13.8874	8.5140	4.510	23.2410	5.8981	0.178131
293.	0.	3.38693	13.8464	13.8874	8.5118	4.510	23.1810	5.8687	0.178685
294.	0.	3.37684	13.8465	13.8874	8.5096	4.509	23.1203	5.8392	0.179250
295.	0.	3.36662	13.8466	13.8874	8.5074	4.509	23.0594	5.8098	0.179825
296.	0.	3.35628	13.8467	13.8874	8.5052	4.508	22.9984	5.7804	0.180412
297.	0.	3.34582	13.8468	13.8874	8.5029	4.506	22.9373	5.7510	0.181010
298.	0.	3.33524	13.8469	13.8874	8.5007	4.505	22.8760	5.7216	0.181620
299.	0.	3.32454	13.8470	13.8874	8.4985	4.504	22.8146	5.6922	0.182240
300.	0.	3.31371	13.8472	13.8874	8.4963	4.502	22.7529	5.6629	0.182872
301.	0.	3.30282	13.8473	13.8874	8.4941	4.501	22.6961	5.6335	0.183517
302.	0.	3.29133	13.8474	13.8874	8.4900	4.502	22.6440	5.6143	0.184276
303.	0.	3.28025	13.8475	13.8874	8.4879	4.500	22.5843	5.5849	0.184934
304.	0.	3.26908	13.8476	13.8874	8.4857	4.497	22.5225	5.5556	0.185599
305.	0.	3.25787	13.8478	13.8874	8.4833	4.494	22.4590	5.5263	0.186272
306.	0.	3.24654	13.8479	13.8874	8.4808	4.490	22.3953	5.4970	0.186956
307.	0.	3.23509	13.8480	13.8874	8.4784	4.486	22.3313	5.4677	0.187651
308.	0.	3.22359	13.8482	13.8874	8.4760	4.484	22.2725	5.4384	0.188358
309.	0.	3.21150	13.8483	13.8874	8.4716	4.483	22.2185	5.4192	0.189182
310.	0.	3.19993	13.8484	13.8874	8.4692	4.480	22.1624	5.3899	0.189900
311.	0.	3.18778	13.8486	13.8874	8.4648	4.480	22.1097	5.3707	0.190733
312.	0.	3.17613	13.8487	13.8874	8.4625	4.478	22.0541	5.3415	0.191461
313.	0.	3.16389	13.8488	13.8874	8.4581	4.477	22.0016	5.3223	0.192303
314.	0.	3.15216	13.8490	13.8874	8.4558	4.474	21.9461	5.2930	0.193039
315.	0.	3.13984	13.8491	13.8874	8.4515	4.473	21.8938	5.2739	0.193891
316.	0.	3.12802	13.8493	13.8874	8.4493	4.469	21.8383	5.2446	0.194636
317.	0.	3.11562	13.8494	13.8874	8.4451	4.468	21.7861	5.2255	0.195496
318.	0.	3.10373	13.8496	13.8874	8.4430	4.464	21.7307	5.1963	0.196250
319.	0.	3.09125	13.8497	13.8874	8.4388	4.462	21.6788	5.1771	0.197119
320.	0.	3.07929	13.8498	13.8874	8.4368	4.459	21.6242	5.1479	0.197882
321.	0.	3.06680	13.8500	13.8874	8.4327	4.458	21.5781	5.1288	0.198761
322.	0.	3.05430	13.8501	13.8874	8.4286	4.456	21.5290	5.1096	0.199637
323.	0.	3.04231	13.8503	13.8874	8.4267	4.452	21.4757	5.0804	0.200406
324.	0.	3.02974	13.8504	13.8874	8.4227	4.450	21.4255	5.0613	0.201290
325.	0.	3.01772	13.8506	13.8874	8.4206	4.446	21.3720	5.0321	0.202065
326.	0.	3.00517	13.8507	13.8874	8.4164	4.444	21.3217	5.0130	0.202954
327.	0.	2.99312	13.8509	13.8874	8.4143	4.440	21.2687	4.9837	0.203736

328.	0.	2.98049	13.8510	13.8874	8.4101	4.438	21.2189	4.9646	0.204634
329.	0.	2.96837	13.8512	13.8874	8.4081	4.434	21.1660	4.9354	0.205425
330.	0.	2.95573	13.8513	13.8874	8.4040	4.433	21.1215	4.9163	0.206332
331.	0.	2.94306	13.8514	13.8874	8.3999	4.431	21.0739	4.8972	0.207238
332.	0.	2.93091	13.8516	13.8874	8.3981	4.427	21.0221	4.8680	0.208035
333.	0.	2.91817	13.8517	13.8874	8.3942	4.424	20.9727	4.8489	0.208947
334.	0.	2.90595	13.8519	13.8874	8.3925	4.418	20.9204	4.8198	0.209751
335.	0.	2.89323	13.8520	13.8874	8.3885	4.417	20.8762	4.8007	0.210670
336.	0.	2.88050	13.8522	13.8874	8.3847	4.414	20.8284	4.7816	0.211587
337.	0.	2.86828	13.8523	13.8874	8.3831	4.409	20.7766	4.7524	0.212395
338.	0.	2.85548	13.8525	13.8874	8.3794	4.406	20.7267	4.7333	0.213318
339.	0.	2.84319	13.8526	13.8874	8.3779	4.400	20.6740	4.7041	0.214133
340.	0.	2.83039	13.8528	13.8874	8.3742	4.398	20.6292	4.6851	0.215064
341.	0.	2.81758	13.8529	13.8874	8.3706	4.395	20.5809	4.6660	0.215993
342.	0.	2.80526	13.8530	13.8874	8.3694	4.390	20.5287	4.6368	0.216814
343.	0.	2.79244	13.8532	13.8874	8.3659	4.387	20.4839	4.6177	0.217749
344.	0.	2.77968	13.8533	13.8874	8.3625	4.386	20.4410	4.5987	0.218681
345.	0.	2.76698	13.8535	13.8874	8.3591	4.384	20.3987	4.5796	0.219610
346.	0.	2.75458	13.8536	13.8874	8.3547	4.385	20.3563	4.5605	0.220525
347.	0.	2.74243	13.8537	13.8874	8.3495	4.386	20.3132	4.5414	0.221428
348.	0.	2.73033	13.8539	13.8874	8.3443	4.387	20.2705	4.5223	0.222329
349.	0.	2.71824	13.8540	13.8874	8.3390	4.387	20.2223	4.5032	0.223225
350.	0.	2.70665	13.8541	13.8874	8.3361	4.384	20.1695	4.4740	0.224015
351.	0.	2.69454	13.8543	13.8874	8.3306	4.385	20.1243	4.4549	0.224921
352.	0.	2.68250	13.8544	13.8874	8.3250	4.385	20.0819	4.4358	0.225826
353.	0.	2.67051	13.8545	13.8874	8.3194	4.386	20.0405	4.4167	0.226729
354.	0.	2.65851	13.8547	13.8874	8.3139	4.388	19.9992	4.3976	0.227632
355.	0.	2.64653	13.8548	13.8874	8.3086	4.390	19.9575	4.3785	0.228533
356.	0.	2.63465	13.8549	13.8874	8.3028	4.395	19.9185	4.3594	0.229433
357.	0.	2.62275	13.8550	13.8874	8.2973	4.399	19.8791	4.3403	0.230332
358.	0.	2.61086	13.8552	13.8874	8.2919	4.400	19.8392	4.3212	0.231231
359.	0.	2.59896	13.8553	13.8874	8.2866	4.399	19.7985	4.3021	0.232127
360.	0.	2.58704	13.8554	13.8874	8.2817	4.397	19.7575	4.2830	0.233023
361.	0.	2.57503	13.8555	13.8874	8.2772	4.395	19.7104	4.2639	0.233919
362.	0.	2.56348	13.8557	13.8874	8.2753	4.389	19.6576	4.2347	0.234709
363.	0.	2.55147	13.8558	13.8874	8.2705	4.391	19.6150	4.2156	0.235614
364.	0.	2.53947	13.8559	13.8874	8.2659	4.392	19.5745	4.1965	0.236520
365.	0.	2.52742	13.8560	13.8874	8.2618	4.393	19.5335	4.1774	0.237426
366.	0.	2.51541	13.8562	13.8874	8.2577	4.391	19.4929	4.1583	0.238329
367.	0.	2.50336	13.8563	13.8874	8.2538	4.387	19.4465	4.1392	0.239229
368.	0.	2.49179	13.8564	13.8874	8.2526	4.380	19.3941	4.1100	0.240023
369.	0.	2.47961	13.8566	13.8874	8.2491	4.376	19.3495	4.0909	0.240937
370.	0.	2.46750	13.8567	13.8874	8.2457	4.375	19.3121	4.0719	0.241851
371.	0.	2.45486	13.8568	13.8874	8.2402	4.376	19.2800	4.0629	0.242872
372.	0.	2.44298	13.8569	13.8874	8.2373	4.375	19.2462	4.0438	0.243765
373.	0.	2.43056	13.8570	13.8874	8.2321	4.376	19.2157	4.0348	0.244764
374.	0.	2.41897	13.8572	13.8874	8.2291	4.378	19.1843	4.0156	0.245633
375.	0.	2.40687	13.8573	13.8874	8.2238	4.382	19.1563	4.0066	0.246608
376.	0.	2.39547	13.8574	13.8874	8.2211	4.383	19.1255	3.9875	0.247458
377.	0.	2.38359	13.8575	13.8874	8.2161	4.386	19.1036	3.9784	0.248415
378.	0.	2.37185	13.8576	13.8874	8.2113	4.387	19.0779	3.9694	0.249353
379.	0.	2.36085	13.8577	13.8874	8.2090	4.386	19.0484	3.9502	0.250166
380.	0.	2.34926	13.8579	13.8874	8.2046	4.385	19.0207	3.9411	0.251086
381.	0.	2.33841	13.8580	13.8874	8.2027	4.385	18.9901	3.9219	0.251883
382.	0.	2.32697	13.8581	13.8874	8.1987	4.384	18.9617	3.9128	0.252787
383.	0.	2.31628	13.8582	13.8874	8.1971	4.383	18.9308	3.8936	0.253567
384.	0.	2.30499	13.8583	13.8874	8.1933	4.383	18.9019	3.8845	0.254456
385.	0.	2.29446	13.8584	13.8874	8.1919	4.381	18.8706	3.8652	0.255221
386.	0.	2.28337	13.8585	13.8874	8.1884	4.382	18.8473	3.8561	0.256095
387.	0.	2.27241	13.8587	13.8874	8.1849	4.381	18.8201	3.8470	0.256954
388.	0.	2.26219	13.8588	13.8874	8.1840	4.380	18.7891	3.8277	0.257691
389.	0.	2.25134	13.8589	13.8874	8.1809	4.379	18.7595	3.8185	0.258536
390.	0.	2.24126	13.8590	13.8874	8.1802	4.377	18.7276	3.7993	0.259260
391.	0.	2.23059	13.8591	13.8874	8.1770	4.377	18.6987	3.7901	0.260092
392.	0.	2.22069	13.8592	13.8874	8.1762	4.377	18.6681	3.7708	0.260803
393.	0.	2.21013	13.8594	13.8874	8.1733	4.377	18.6392	3.7616	0.261624
394.	0.	2.20031	13.8595	13.8874	8.1729	4.375	18.6078	3.7423	0.262325

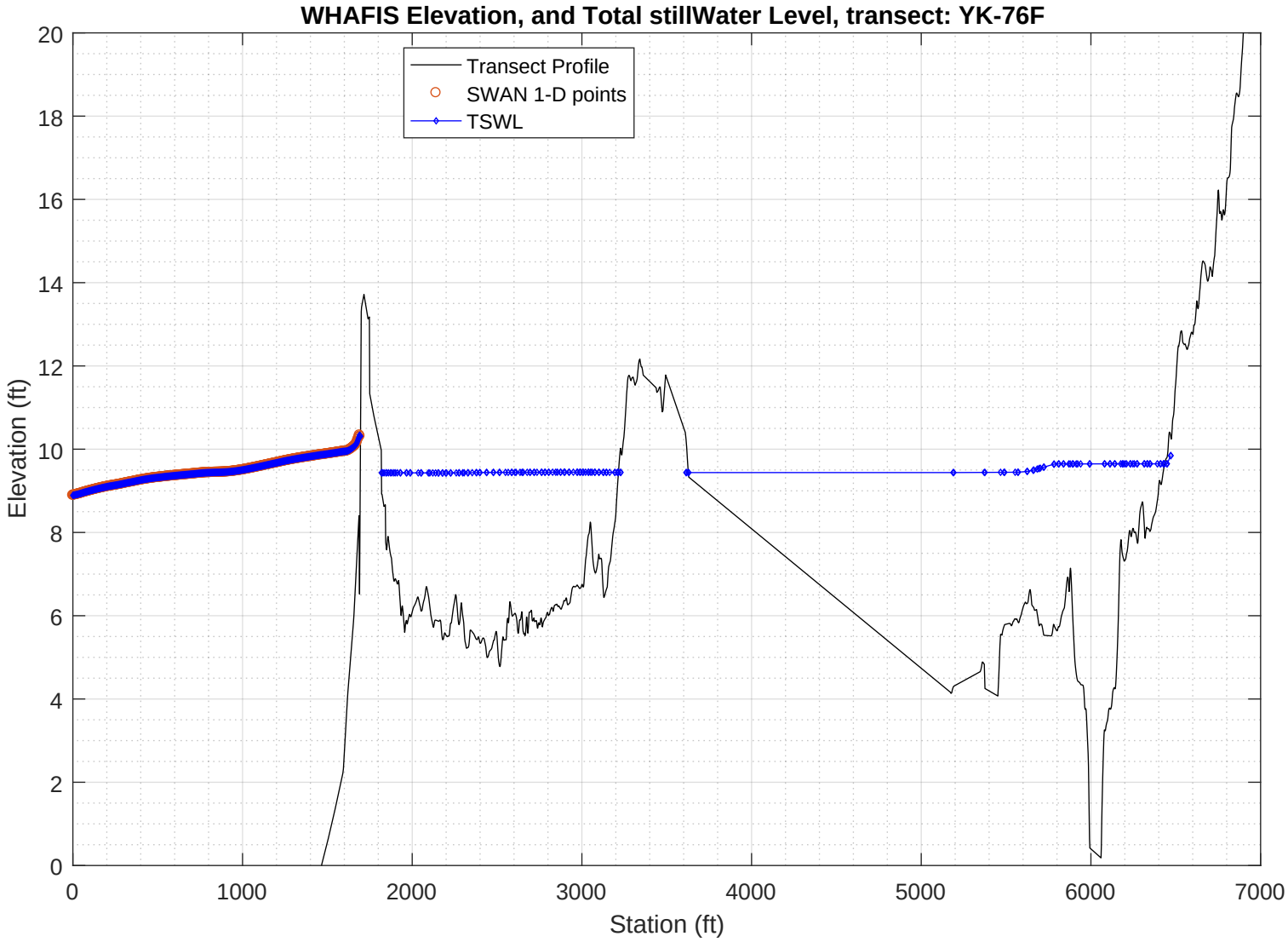
395.	0.	2.18991	13.8596	13.8874	8.1702	4.375	18.5844	3.7331	0.263137
396.	0.	2.17963	13.8597	13.8874	8.1675	4.374	18.5573	3.7239	0.263934
397.	0.	2.17009	13.8598	13.8874	8.1673	4.371	18.5265	3.7046	0.264612
398.	0.	2.15989	13.8599	13.8874	8.1649	4.368	18.4966	3.6954	0.265400
399.	0.	2.15042	13.8601	13.8874	8.1651	4.365	18.4641	3.6761	0.266069
400.	0.	2.14027	13.8602	13.8874	8.1631	4.361	18.4331	3.6668	0.266849
401.	0.	2.13089	13.8603	13.8874	8.1635	4.358	18.3998	3.6475	0.267510
402.	0.	2.12087	13.8604	13.8874	8.1618	4.356	18.3745	3.6383	0.268284
403.	0.	2.11094	13.8605	13.8874	8.1601	4.353	18.3449	3.6290	0.269045
404.	0.	2.10177	13.8607	13.8874	8.1609	4.349	18.3118	3.6097	0.269686
405.	0.	2.09191	13.8608	13.8874	8.1595	4.345	18.2798	3.6004	0.270440
406.	0.	2.08282	13.8609	13.8874	8.1606	4.341	18.2456	3.5811	0.271075
407.	0.	2.07303	13.8610	13.8874	8.1594	4.337	18.2130	3.5718	0.271822
408.	0.	2.06402	13.8611	13.8874	8.1606	4.332	18.1782	3.5525	0.272450
409.	0.	2.05430	13.8613	13.8874	8.1597	4.328	18.1450	3.5432	0.273191
410.	0.	2.04535	13.8614	13.8874	8.1612	4.323	18.1098	3.5238	0.273814
411.	0.	2.03573	13.8615	13.8874	8.1604	4.321	18.0825	3.5146	0.274551
412.	0.	2.02619	13.8616	13.8874	8.1598	4.318	18.0508	3.5053	0.275276
413.	0.	2.01743	13.8617	13.8874	8.1616	4.313	18.0160	3.4859	0.275883
414.	0.	2.00795	13.8619	13.8874	8.1612	4.309	17.9823	3.4766	0.276603
415.	0.	1.99924	13.8620	13.8874	8.1633	4.304	17.9463	3.4572	0.277205
416.	0.	1.98982	13.8621	13.8874	8.1631	4.300	17.9121	3.4479	0.277919
417.	0.	1.98117	13.8622	13.8874	8.1654	4.294	17.8754	3.4285	0.278517
418.	0.	1.97179	13.8624	13.8874	8.1654	4.290	17.8406	3.4192	0.279228
419.	0.	1.96319	13.8625	13.8874	8.1679	4.285	17.8033	3.3998	0.279822
420.	0.	1.95390	13.8626	13.8874	8.1681	4.283	17.7744	3.3905	0.280529
421.	0.	1.94468	13.8627	13.8874	8.1685	4.279	17.7415	3.3812	0.281227
422.	0.	1.93623	13.8629	13.8874	8.1714	4.274	17.7051	3.3618	0.281808
423.	0.	1.92706	13.8630	13.8874	8.1720	4.270	17.6699	3.3525	0.282502
424.	0.	1.91861	13.8631	13.8874	8.1751	4.263	17.6260	3.3331	0.283079
425.	0.	1.91014	13.8633	13.8874	8.1783	4.257	17.5855	3.3137	0.283663
426.	0.	1.90093	13.8634	13.8874	8.1792	4.252	17.5482	3.3044	0.284361
427.	0.	1.89249	13.8635	13.8874	8.1827	4.247	17.5094	3.2849	0.284942
428.	0.	1.88332	13.8637	13.8874	8.1838	4.242	17.4725	3.2756	0.285638
429.	0.	1.87493	13.8638	13.8874	8.1875	4.237	17.4333	3.2562	0.286217
430.	0.	1.86580	13.8639	13.8874	8.1888	4.232	17.3960	3.2469	0.286910
431.	0.	1.85745	13.8641	13.8874	8.1927	4.226	17.3566	3.2275	0.287486
432.	0.	1.84837	13.8642	13.8874	8.1942	4.221	17.3189	3.2182	0.288175
433.	0.	1.84006	13.8643	13.8874	8.1984	4.216	17.2792	3.1987	0.288749
434.	0.	1.83100	13.8645	13.8874	8.2001	4.212	17.2412	3.1894	0.289436
435.	0.	1.82273	13.8646	13.8874	8.2045	4.207	17.2009	3.1700	0.290008
436.	0.	1.81373	13.8648	13.8874	8.2064	4.202	17.1624	3.1607	0.290692
437.	0.	1.80551	13.8649	13.8874	8.2109	4.197	17.1215	3.1413	0.291259
438.	0.	1.79657	13.8650	13.8874	8.2129	4.192	17.0823	3.1319	0.291940
439.	0.	1.78841	13.8652	13.8874	8.2176	4.188	17.0409	3.1125	0.292504
440.	0.	1.77959	13.8653	13.8874	8.2197	4.188	17.0142	3.1032	0.293183
441.	0.	1.77022	13.8655	13.8874	8.2190	4.190	16.9945	3.1040	0.293958
442.	0.	1.76183	13.8656	13.8874	8.2209	4.192	16.9747	3.0946	0.294601
443.	0.	1.75293	13.8657	13.8874	8.2201	4.197	16.9652	3.0953	0.295338
444.	0.	1.74433	13.8659	13.8874	8.2192	4.203	16.9589	3.0960	0.296049
445.	0.	1.73602	13.8660	13.8874	8.2182	4.210	16.9542	3.0967	0.296734
446.	0.	1.72764	13.8661	13.8874	8.2173	4.194	16.8819	3.0974	0.297386
447.	0.	1.72621	13.8663	13.8874	8.2435	4.165	16.7609	2.9970	0.296968
448.	0.	1.71737	13.8665	13.8874	8.2461	4.154	16.6972	2.9876	0.297637
449.	0.	1.70932	13.8666	13.8874	8.2512	4.145	16.6384	2.9682	0.298194
450.	0.	1.70121	13.8668	13.8874	8.2564	4.139	16.5882	2.9488	0.298764
451.	0.	1.69233	13.8669	13.8874	8.2589	4.134	16.5430	2.9395	0.299450
452.	0.	1.68428	13.8671	13.8874	8.2641	4.130	16.4966	2.9200	0.300018
453.	0.	1.67547	13.8672	13.8874	8.2666	4.126	16.4527	2.9107	0.300703
454.	0.	1.66745	13.8674	13.8874	8.2719	4.120	16.4000	2.8913	0.301267
455.	0.	1.65940	13.8676	13.8874	8.2773	4.116	16.3513	2.8718	0.301839
456.	0.	1.65056	13.8677	13.8874	8.2800	4.112	16.3061	2.8625	0.302529
457.	0.	1.64256	13.8679	13.8874	8.2854	4.108	16.2593	2.8431	0.303099
458.	0.	1.63376	13.8681	13.8874	8.2883	4.104	16.2146	2.8338	0.303787
459.	0.	1.62576	13.8682	13.8874	8.2940	4.099	16.1607	2.8144	0.304355
460.	0.	1.61765	13.8684	13.8874	8.3001	4.091	16.1032	2.7949	0.304932
461.	0.	1.60950	13.8686	13.8874	8.3063	4.086	16.0506	2.7755	0.305517

462.	0.	1.60056	13.8688	13.8874	8.3097	4.081	16.0021	2.7662	0.306221
463.	0.	1.59246	13.8689	13.8874	8.3160	4.074	15.9452	2.7468	0.306802
464.	0.	1.58430	13.8691	13.8874	8.3222	4.067	15.8856	2.7274	0.307389
465.	0.	1.57612	13.8693	13.8874	8.3284	4.062	15.8317	2.7080	0.307985
466.	0.	1.56714	13.8695	13.8874	8.3317	4.058	15.7818	2.6987	0.308700
467.	0.	1.55903	13.8697	13.8874	8.3378	4.052	15.7236	2.6793	0.309290
468.	0.	1.55086	13.8699	13.8874	8.3439	4.045	15.6630	2.6599	0.309888
469.	0.	1.54267	13.8701	13.8874	8.3500	4.041	15.6082	2.6405	0.310493
470.	0.	1.53367	13.8702	13.8874	8.3531	4.037	15.5575	2.6312	0.311219
471.	0.	1.52554	13.8704	13.8874	8.3591	4.032	15.4985	2.6118	0.311819
472.	0.	1.51735	13.8706	13.8874	8.3651	4.026	15.4368	2.5924	0.312427
473.	0.	1.50906	13.8708	13.8874	8.3715	4.019	15.3730	2.5730	0.313043
474.	0.	1.50070	13.8710	13.8874	8.3779	4.012	15.3080	2.5537	0.313668
475.	0.	1.49229	13.8712	13.8874	8.3843	4.005	15.2424	2.5343	0.314301
476.	0.	1.48385	13.8714	13.8874	8.3906	4.001	15.1837	2.5149	0.314943
477.	0.	1.47458	13.8716	13.8874	8.3940	3.998	15.1295	2.5057	0.315708
478.	0.	1.46625	13.8718	13.8874	8.4001	3.993	15.0672	2.4863	0.316342
479.	0.	1.45787	13.8720	13.8874	8.4062	3.987	15.0023	2.4670	0.316983
480.	0.	1.44943	13.8723	13.8874	8.4122	3.982	14.9364	2.4476	0.317632
481.	0.	1.44091	13.8725	13.8874	8.4186	3.976	14.8688	2.4283	0.318289
482.	0.	1.43233	13.8727	13.8874	8.4248	3.970	14.8012	2.4090	0.318955
483.	0.	1.42370	13.8729	13.8874	8.4310	3.965	14.7343	2.3896	0.319629
484.	0.	1.41504	13.8731	13.8874	8.4371	3.961	14.6674	2.3703	0.320310
485.	0.	1.40630	13.8733	13.8874	8.4431	3.955	14.5931	2.3510	0.320999
486.	0.	1.39823	13.8735	13.8874	8.4519	3.936	14.4757	2.3216	0.321569
487.	0.	1.39324	13.8738	13.8874	8.4719	3.909	14.3045	2.2517	0.321654
488.	0.	1.38717	13.8741	13.8874	8.4913	3.875	14.1138	2.1818	0.321843
489.	0.	1.37982	13.8744	13.8874	8.5103	3.838	13.9119	2.1122	0.322169
490.	0.	1.37104	13.8747	13.8874	8.5287	3.801	13.7018	2.0427	0.322659
491.	0.	1.36078	13.8750	13.8874	8.5462	3.764	13.4838	1.9733	0.323330
492.	0.	1.34891	13.8754	13.8874	8.5628	3.727	13.2591	1.9042	0.324210
493.	0.	1.33526	13.8758	13.8874	8.5792	3.691	13.0302	1.8353	0.325332
494.	0.	1.31988	13.8762	13.8874	8.5945	3.659	12.8170	1.7667	0.326715
495.	0.	1.30061	13.8767	13.8874	8.6033	3.633	12.6321	1.7187	0.328742
496.	0.	1.28044	13.8771	13.8874	8.6114	3.610	12.4541	1.6709	0.330926
497.	0.	1.25948	13.8776	13.8874	8.6190	3.588	12.2769	1.6233	0.333254
498.	0.	1.23772	13.8781	13.8874	8.6264	3.566	12.0990	1.5757	0.335732
499.	0.	1.21517	13.8785	13.8874	8.6338	3.546	11.9231	1.5284	0.338362
500.	0.	1.19185	13.8790	13.8874	8.6411	3.523	11.7379	1.4811	0.341140
501.	0.	1.16901	13.8793	13.8874	8.6511	3.501	11.5493	1.4239	0.343865
502.	0.	1.14365	13.8797	13.8874	8.6577	3.484	11.3695	1.3771	0.347062
503.	0.	1.11760	13.8799	13.8874	8.6643	3.468	11.1913	1.3304	0.350414
504.	0.	1.09088	13.8800	13.8874	8.6721	3.450	11.0076	1.2839	0.353918
505.	0.	1.06472	13.8799	13.8874	8.6825	3.422	10.7922	1.2274	0.357358
506.	0.	1.03960	13.8798	13.8874	8.6962	3.383	10.5377	1.1507	0.360666
507.	0.	1.01138	13.8797	13.8874	8.7069	3.337	10.2625	1.0746	0.364634
508.	0.	0.97970	13.8797	13.8874	8.7159	3.285	9.9749	0.9994	0.369382
509.	0.	0.94477	13.8796	13.8874	8.7195	3.228	9.6807	0.9249	0.374947
510.	0.	0.89908	13.8795	13.8874	8.8053	3.071	9.4610	0.8526	0.382648
511.	0.	0.84206	13.8785	13.8874	8.9764	2.785	9.3252	0.7827	0.392716
512.	0.	0.78044	13.8768	13.8874	9.1760	2.431	9.2531	0.7140	0.403970
513.	0.	0.71935	13.8746	13.8874	9.3754	2.021	9.2071	0.6455	0.415456
514.	0.	0.66997	13.8707	13.8874	9.4724	1.994	10.9686	0.5756	0.425565
515.	0.	0.55691	13.8673	13.8874	9.2033	1.976	11.1771	1.1608	0.440814
516.	0.	0.60931	13.8595	13.8874	9.5614	1.847	11.4085	0.4729	0.432885
517.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
518.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000

PART 3: WHAFIS

WHAFIS input: YK-76F.dat
WHAFIS output: YK-76F.out

PART 3 COMPLETE


WHAFIS Elevation, and Total stillWater Level, transect: YK-76F
Transect Profile
SWAN 1-D points
TSWL
Elevation (ft)
Station (ft)
0
2
4
6
8
10
12
14
16
18
20
0
1000
2000
3000
4000
5000
6000
7000

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)
Executed on: Thu Mar 5 16:11:16 2020
Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Wells\3_whafis\whafis4\YK-76F.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Wells\3_whafis\whafis4\YK-76F.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	-22.504	1.000	1.000	8.891	29.777	14.030	56.140	0.023	0.000
OF	3.300	-22.429	0.000	8.894	0.000	0.000	0.000	0.000	0.023	0.000
OF	6.600	-22.355	0.000	8.896	0.000	0.000	0.000	0.000	0.023	0.000
OF	9.800	-22.280	0.000	8.899	0.000	0.000	0.000	0.000	0.023	0.000
OF	13.100	-22.206	0.000	8.902	0.000	0.000	0.000	0.000	0.023	0.000
OF	16.400	-22.131	0.000	8.905	0.000	0.000	0.000	0.000	0.023	0.000
OF	19.700	-22.056	0.000	8.908	0.000	0.000	0.000	0.000	0.023	0.000
OF	23.000	-21.982	0.000	8.911	0.000	0.000	0.000	0.000	0.023	0.000
OF	26.200	-21.907	0.000	8.915	0.000	0.000	0.000	0.000	0.023	0.000
OF	29.500	-21.833	0.000	8.918	0.000	0.000	0.000	0.000	0.023	0.000
OF	32.800	-21.758	0.000	8.921	0.000	0.000	0.000	0.000	0.023	0.000
OF	36.100	-21.683	0.000	8.925	0.000	0.000	0.000	0.000	0.023	0.000
OF	39.400	-21.609	0.000	8.929	0.000	0.000	0.000	0.000	0.023	0.000
OF	42.700	-21.534	0.000	8.932	0.000	0.000	0.000	0.000	0.023	0.000
OF	45.900	-21.460	0.000	8.936	0.000	0.000	0.000	0.000	0.019	0.000
OF	49.200	-21.414	0.000	8.940	0.000	0.000	0.000	0.000	0.006	0.000
OF	52.500	-21.422	0.000	8.944	0.000	0.000	0.000	0.000	-0.002	0.000
OF	55.800	-21.430	0.000	8.949	0.000	0.000	0.000	0.000	-0.003	0.000
OF	59.100	-21.439	0.000	8.953	0.000	0.000	0.000	0.000	-0.003	0.000
OF	62.300	-21.447	0.000	8.958	0.000	0.000	0.000	0.000	-0.002	0.000
OF	65.600	-21.454	0.000	8.962	0.000	0.000	0.000	0.000	0.004	0.000
OF	68.900	-21.422	0.000	8.966	0.000	0.000	0.000	0.000	0.010	0.000
OF	72.200	-21.385	0.000	8.969	0.000	0.000	0.000	0.000	0.011	0.000
OF	75.500	-21.348	0.000	8.973	0.000	0.000	0.000	0.000	0.011	0.000
OF	78.700	-21.311	0.000	8.977	0.000	0.000	0.000	0.000	0.011	0.000
OF	82.000	-21.274	0.000	8.980	0.000	0.000	0.000	0.000	0.011	0.000
OF	85.300	-21.237	0.000	8.984	0.000	0.000	0.000	0.000	0.011	0.000
OF	88.600	-21.200	0.000	8.988	0.000	0.000	0.000	0.000	0.011	0.000
OF	91.900	-21.163	0.000	8.991	0.000	0.000	0.000	0.000	0.011	0.000
OF	95.100	-21.126	0.000	8.995	0.000	0.000	0.000	0.000	0.011	0.000
OF	98.400	-21.089	0.000	8.999	0.000	0.000	0.000	0.000	0.011	0.000
OF	101.700	-21.052	0.000	9.002	0.000	0.000	0.000	0.000	0.011	0.000
OF	105.000	-21.015	0.000	9.006	0.000	0.000	0.000	0.000	0.011	0.000
OF	108.300	-20.978	0.000	9.009	0.000	0.000	0.000	0.000	0.011	0.000
OF	111.500	-20.941	0.000	9.013	0.000	0.000	0.000	0.000	0.011	0.000
OF	114.800	-20.904	0.000	9.016	0.000	0.000	0.000	0.000	0.011	0.000
OF	118.100	-20.867	0.000	9.020	0.000	0.000	0.000	0.000	0.011	0.000
OF	121.400	-20.830	0.000	9.023	0.000	0.000	0.000	0.000	0.011	0.000
OF	124.700	-20.793	0.000	9.027	0.000	0.000	0.000	0.000	0.011	0.000
OF	128.000	-20.756	0.000	9.030	0.000	0.000	0.000	0.000	0.011	0.000
OF	131.200	-20.719	0.000	9.034	0.000	0.000	0.000	0.000	0.011	0.000
OF	134.500	-20.682	0.000	9.037	0.000	0.000	0.000	0.000	0.011	0.000
OF	137.800	-20.644	0.000	9.040	0.000	0.000	0.000	0.000	0.011	0.000
OF	141.100	-20.607	0.000	9.044	0.000	0.000	0.000	0.000	0.011	0.000
OF	144.400	-20.570	0.000	9.047	0.000	0.000	0.000	0.000	0.011	0.000
OF	147.600	-20.533	0.000	9.050	0.000	0.000	0.000	0.000	0.011	0.000
OF	150.900	-20.496	0.000	9.054	0.000	0.000	0.000	0.000	0.011	0.000
OF	154.200	-20.459	0.000	9.057	0.000	0.000	0.000	0.000	0.011	0.000
OF	157.500	-20.422	0.000	9.060	0.000	0.000	0.000	0.000	0.011	0.000
OF	160.800	-20.385	0.000	9.063	0.000	0.000	0.000	0.000	0.011	0.000
OF	164.000	-20.348	0.000	9.066	0.000	0.000	0.000	0.000	0.011	0.000
OF	167.300	-20.311	0.000	9.069	0.000	0.000	0.000	0.000	0.011	0.000
OF	170.600	-20.274	0.000	9.072	0.000	0.000	0.000	0.000	0.011	0.000
OF	173.900	-20.237	0.000	9.075	0.000	0.000	0.000	0.000	0.011	0.000
OF	177.200	-20.200	0.000	9.078	0.000	0.000	0.000	0.000	0.011	0.000
OF	180.400	-20.163	0.000	9.081	0.000	0.000	0.000	0.000	0.011	0.000
OF	183.700	-20.126	0.000	9.084	0.000	0.000	0.000	0.000	0.011	0.000
OF	187.000	-20.089	0.000	9.087	0.000	0.000	0.000	0.000	0.011	0.000
OF	190.300	-20.052	0.000	9.090	0.000	0.000	0.000	0.000	0.011	0.000
OF	193.600	-20.015	0.000	9.093	0.000	0.000	0.000	0.000	0.011	0.000
OF	196.800	-19.978	0.000	9.096	0.000	0.000	0.000	0.000	0.011	0.000
OF	200.100	-19.941	0.000	9.099	0.000	0.000	0.000	0.000	0.011	0.000
OF	203.400	-19.904	0.000	9.101	0.000	0.000	0.000	0.000	0.011	0.000
OF	206.700	-19.867	0.000	9.104	0.000	0.000	0.000	0.000	0.011	0.000
OF	210.000	-19.830	0.000	9.107	0.000	0.000	0.000	0.000	0.011	0.000
OF	213.300	-19.793	0.000	9.109	0.000	0.000	0.000	0.000	0.012	0.000
OF	216.500	-19.752	0.000	9.112	0.000	0.000	0.000	0.000	0.019	0.000
OF	219.800	-19.671	0.000	9.115	0.000	0.000	0.000	0.000	0.026	0.000
OF	223.100	-19.578	0.000	9.117	0.000	0.000	0.000	0.000	0.028	0.000
OF	226.400	-19.485	0.000	9.119	0.000	0.000	0.000	0.000	0.028	0.000
OF	229.700	-19.392	0.000	9.121	0.000	0.000	0.000	0.000	0.029	0.000
OF	232.900	-19.299	0.000	9.123	0.000	0.000	0.000	0.000	0.029	0.000
OF	236.200	-19.206	0.000	9.125	0.000	0.000	0.000	0.000	0.028	0.000
OF	239.500	-19.112	0.000	9.128	0.000	0.000	0.000	0.000	0.028	0.000
OF	242.800	-19.019	0.000	9.130	0.000	0.000	0.000	0.000	0.028	0.000
OF	246.100	-18.926	0.000	9.132	0.000	0.000	0.000	0.000	0.029	0.000
OF	249.300	-18.833	0.000	9.134	0.000	0.000	0.000	0.000	0.029	0.000
OF	252.600	-18.740	0.000	9.137	0.000	0.000	0.000	0.000	0.028	0.000
OF	255.900	-18.647	0.000	9.139	0.000	0.000	0.000	0.000	0.028	0.000
OF	259.200	-18.553	0.000	9.142	0.000	0.000	0.000	0.000	0.028	0.000
OF	262.500	-18.460	0.000	9.144	0.000	0.000	0.000	0.000	0.029	0.000
OF	265.700	-18.367	0.000	9.147	0.000	0.000	0.000	0.000	0.029	0.000
OF	269.000	-18.274	0.000	9.149	0.000	0.000	0.000	0.000	0.028	0.000
OF	272.300	-18.181	0.000	9.151	0.000	0.000	0.000	0.000	0.028	0.000
OF	275.600	-18.088	0.000	9.154	0.000	0.000	0.000	0.000	0.028	0.000
OF	278.900	-17.995	0.000	9.156	0.000	0.000	0.000	0.000	0.028	0.000
OF	282.200	-17.901	0.000	9.159	0.000	0.000	0.000	0.000	0.029	0.000
OF	285.400	-17.808	0.000	9.162	0.000	0.000	0.000	0.000	0.029	0.000
OF	288.700	-17.715	0.000	9.165	0.000	0.000	0.000	0.000	0.028	0.000
OF	292.000	-17.622	0.000	9.167	0.000	0.000	0.000	0.000	0.026	0.000
OF	295.300	-17.542	0.000	9.170	0.000	0.000	0.000	0.000	0.021	0.000
OF	298.600	-17.486	0.000	9.174	0.000	0.000	0.000	0.000	0.017	0.000
OF	301.800	-17.430	0.000	9.177	0.000	0.000	0.000	0.000	0.017	0.000

OF	305.100	-17.374	0.000	9.180	0.000	0.000	0.000	0.000	0.017	0.000
OF	308.400	-17.318	0.000	9.183	0.000	0.000	0.000	0.000	0.017	0.000
OF	311.700	-17.262	0.000	9.185	0.000	0.000	0.000	0.000	0.017	0.000
OF	315.000	-17.206	0.000	9.188	0.000	0.000	0.000	0.000	0.017	0.000
OF	318.200	-17.151	0.000	9.191	0.000	0.000	0.000	0.000	0.017	0.000
OF	321.500	-17.095	0.000	9.193	0.000	0.000	0.000	0.000	0.017	0.000
OF	324.800	-17.039	0.000	9.196	0.000	0.000	0.000	0.000	0.017	0.000
OF	328.100	-16.983	0.000	9.199	0.000	0.000	0.000	0.000	0.017	0.000
OF	331.400	-16.927	0.000	9.201	0.000	0.000	0.000	0.000	0.017	0.000
OF	334.600	-16.871	0.000	9.204	0.000	0.000	0.000	0.000	0.017	0.000
OF	337.900	-16.815	0.000	9.207	0.000	0.000	0.000	0.000	0.017	0.000
OF	341.200	-16.760	0.000	9.209	0.000	0.000	0.000	0.000	0.017	0.000
OF	344.500	-16.704	0.000	9.212	0.000	0.000	0.000	0.000	0.017	0.000
OF	347.800	-16.648	0.000	9.214	0.000	0.000	0.000	0.000	0.017	0.000
OF	351.000	-16.592	0.000	9.217	0.000	0.000	0.000	0.000	0.017	0.000
OF	354.300	-16.536	0.000	9.220	0.000	0.000	0.000	0.000	0.017	0.000
OF	357.600	-16.480	0.000	9.222	0.000	0.000	0.000	0.000	0.013	0.000
OF	360.900	-16.449	0.000	9.225	0.000	0.000	0.000	0.000	0.007	0.000
OF	364.200	-16.436	0.000	9.228	0.000	0.000	0.000	0.000	0.004	0.000
OF	367.500	-16.423	0.000	9.231	0.000	0.000	0.000	0.000	0.004	0.000
OF	370.700	-16.410	0.000	9.234	0.000	0.000	0.000	0.000	0.004	0.000
OF	374.000	-16.398	0.000	9.237	0.000	0.000	0.000	0.000	0.004	0.000
OF	377.300	-16.385	0.000	9.240	0.000	0.000	0.000	0.000	0.004	0.000
OF	380.600	-16.372	0.000	9.243	0.000	0.000	0.000	0.000	0.004	0.000
OF	383.900	-16.359	0.000	9.245	0.000	0.000	0.000	0.000	0.004	0.000
OF	387.100	-16.346	0.000	9.248	0.000	0.000	0.000	0.000	0.004	0.000
OF	390.400	-16.333	0.000	9.251	0.000	0.000	0.000	0.000	0.004	0.000
OF	393.700	-16.321	0.000	9.253	0.000	0.000	0.000	0.000	0.004	0.000
OF	397.000	-16.308	0.000	9.256	0.000	0.000	0.000	0.000	0.004	0.000
OF	400.300	-16.295	0.000	9.259	0.000	0.000	0.000	0.000	0.004	0.000
OF	403.500	-16.282	0.000	9.261	0.000	0.000	0.000	0.000	0.004	0.000
OF	406.800	-16.269	0.000	9.264	0.000	0.000	0.000	0.000	0.004	0.000
OF	410.100	-16.257	0.000	9.266	0.000	0.000	0.000	0.000	0.004	0.000
OF	413.400	-16.244	0.000	9.268	0.000	0.000	0.000	0.000	0.004	0.000
OF	416.700	-16.231	0.000	9.271	0.000	0.000	0.000	0.000	0.004	0.000
OF	419.900	-16.218	0.000	9.273	0.000	0.000	0.000	0.000	0.004	0.000
OF	423.200	-16.205	0.000	9.275	0.000	0.000	0.000	0.000	0.004	0.000
OF	426.500	-16.192	0.000	9.278	0.000	0.000	0.000	0.000	0.004	0.000
OF	429.800	-16.180	0.000	9.280	0.000	0.000	0.000	0.000	0.004	0.000
OF	433.100	-16.167	0.000	9.282	0.000	0.000	0.000	0.000	0.004	0.000
OF	436.400	-16.154	0.000	9.284	0.000	0.000	0.000	0.000	0.004	0.000
OF	439.600	-16.141	0.000	9.286	0.000	0.000	0.000	0.000	0.004	0.000
OF	442.900	-16.128	0.000	9.288	0.000	0.000	0.000	0.000	0.004	0.000
OF	446.200	-16.115	0.000	9.290	0.000	0.000	0.000	0.000	0.004	0.000
OF	449.500	-16.103	0.000	9.292	0.000	0.000	0.000	0.000	0.004	0.000
OF	452.800	-16.090	0.000	9.294	0.000	0.000	0.000	0.000	0.004	0.000
OF	456.000	-16.077	0.000	9.296	0.000	0.000	0.000	0.000	0.004	0.000
OF	459.300	-16.064	0.000	9.299	0.000	0.000	0.000	0.000	0.004	0.000
OF	462.600	-16.051	0.000	9.300	0.000	0.000	0.000	0.000	0.004	0.000
OF	465.900	-16.039	0.000	9.302	0.000	0.000	0.000	0.000	0.004	0.000
OF	469.200	-16.026	0.000	9.304	0.000	0.000	0.000	0.000	0.004	0.000
OF	472.400	-16.013	0.000	9.306	0.000	0.000	0.000	0.000	0.004	0.000
OF	475.700	-16.000	0.000	9.308	0.000	0.000	0.000	0.000	0.004	0.000
OF	479.000	-15.987	0.000	9.310	0.000	0.000	0.000	0.000	0.004	0.000
OF	482.300	-15.974	0.000	9.311	0.000	0.000	0.000	0.000	0.004	0.000
OF	485.600	-15.962	0.000	9.313	0.000	0.000	0.000	0.000	0.007	0.000
OF	488.800	-15.929	0.000	9.315	0.000	0.000	0.000	0.000	0.014	0.000
OF	492.100	-15.868	0.000	9.316	0.000	0.000	0.000	0.000	0.019	0.000
OF	495.400	-15.806	0.000	9.317	0.000	0.000	0.000	0.000	0.018	0.000
OF	498.700	-15.750	0.000	9.319	0.000	0.000	0.000	0.000	0.013	0.000
OF	502.000	-15.723	0.000	9.320	0.000	0.000	0.000	0.000	0.007	0.000
OF	505.200	-15.701	0.000	9.322	0.000	0.000	0.000	0.000	0.007	0.000
OF	508.500	-15.680	0.000	9.324	0.000	0.000	0.000	0.000	0.007	0.000
OF	511.800	-15.658	0.000	9.325	0.000	0.000	0.000	0.000	0.007	0.000
OF	515.100	-15.637	0.000	9.327	0.000	0.000	0.000	0.000	0.007	0.000
OF	518.400	-15.615	0.000	9.328	0.000	0.000	0.000	0.000	0.007	0.000
OF	521.700	-15.594	0.000	9.330	0.000	0.000	0.000	0.000	0.007	0.000
OF	524.900	-15.572	0.000	9.332	0.000	0.000	0.000	0.000	0.007	0.000
OF	528.200	-15.551	0.000	9.333	0.000	0.000	0.000	0.000	0.006	0.000
OF	531.500	-15.531	0.000	9.335	0.000	0.000	0.000	0.000	0.006	0.000
OF	534.800	-15.512	0.000	9.336	0.000	0.000	0.000	0.000	0.006	0.000
OF	538.100	-15.493	0.000	9.338	0.000	0.000	0.000	0.000	0.006	0.000
OF	541.300	-15.474	0.000	9.339	0.000	0.000	0.000	0.000	0.006	0.000
OF	544.600	-15.455	0.000	9.341	0.000	0.000	0.000	0.000	0.006	0.000
OF	547.900	-15.436	0.000	9.342	0.000	0.000	0.000	0.000	0.006	0.000
OF	551.200	-15.417	0.000	9.344	0.000	0.000	0.000	0.000	0.006	0.000
OF	554.500	-15.398	0.000	9.345	0.000	0.000	0.000	0.000	0.006	0.000
OF	557.700	-15.379	0.000	9.347	0.000	0.000	0.000	0.000	0.006	0.000
OF	561.000	-15.360	0.000	9.348	0.000	0.000	0.000	0.000	0.006	0.000
OF	564.300	-15.341	0.000	9.349	0.000	0.000	0.000	0.000	0.006	0.000
OF	567.600	-15.322	0.000	9.351	0.000	0.000	0.000	0.000	0.006	0.000
OF	570.900	-15.303	0.000	9.352	0.000	0.000	0.000	0.000	0.006	0.000
OF	574.100	-15.284	0.000	9.354	0.000	0.000	0.000	0.000	0.006	0.000
OF	577.400	-15.265	0.000	9.355	0.000	0.000	0.000	0.000	0.006	0.000
OF	580.700	-15.246	0.000	9.356	0.000	0.000	0.000	0.000	0.006	0.000
OF	584.000	-15.228	0.000	9.358	0.000	0.000	0.000	0.000	0.006	0.000
OF	587.300	-15.209	0.000	9.359	0.000	0.000	0.000	0.000	0.006	0.000
OF	590.500	-15.190	0.000	9.360	0.000	0.000	0.000	0.000	0.006	0.000
OF	593.800	-15.171	0.000	9.361	0.000	0.000	0.000	0.000	0.006	0.000
OF	597.100	-15.152	0.000	9.363	0.000	0.000	0.000	0.000	0.006	0.000
OF	600.400	-15.133	0.000	9.364	0.000	0.000	0.000	0.000	0.006	0.000
OF	603.700	-15.114	0.000	9.366	0.000	0.000	0.000	0.000	0.006	0.000
OF	607.000	-15.095	0.000	9.367	0.000	0.000	0.000	0.000	0.006	0.000
OF	610.200	-15.076	0.000	9.368	0.000	0.000	0.000	0.000	0.006	0.000
OF	613.500	-15.057	0.000	9.370	0.000	0.000	0.000	0.000	0.006	0.000
OF	616.800	-15.038	0.000	9.371	0.000	0.000	0.000	0.000	0.006	0.000
OF	620.100	-15.019	0.000	9.372	0.000	0.000	0.000	0.000	0.006	0.000
OF	623.400	-15.000	0.000	9.373	0.000	0.000	0.000	0.000	0.006	0.000
OF	626.600	-14.981	0.000	9.375	0.000	0.000	0.000	0.000	0.006	0.000
OF	629.900	-14.962	0.000	9.376	0.000	0.000	0.000	0.000	0.006	0.000
OF	633.200	-14.943	0.000	9.377	0.000	0.000	0.000	0.000	0.006	0.000
OF	636.500	-14.924	0.000	9.379	0.000	0.000	0.000	0.000	0.006	0.000

OF	639.800	-14.905	0.000	9.380	0.000	0.000	0.000	0.000	0.006	0.000
OF	643.000	-14.886	0.000	9.381	0.000	0.000	0.000	0.000	0.006	0.000
OF	646.300	-14.867	0.000	9.382	0.000	0.000	0.000	0.000	0.006	0.000
OF	649.600	-14.848	0.000	9.384	0.000	0.000	0.000	0.000	0.006	0.000
OF	652.900	-14.829	0.000	9.385	0.000	0.000	0.000	0.000	0.006	0.000
OF	656.200	-14.810	0.000	9.386	0.000	0.000	0.000	0.000	0.006	0.000
OF	659.400	-14.791	0.000	9.387	0.000	0.000	0.000	0.000	0.006	0.000
OF	662.700	-14.772	0.000	9.389	0.000	0.000	0.000	0.000	0.006	0.000
OF	666.000	-14.753	0.000	9.390	0.000	0.000	0.000	0.000	0.006	0.000
OF	669.300	-14.735	0.000	9.391	0.000	0.000	0.000	0.000	0.006	0.000
OF	672.600	-14.716	0.000	9.392	0.000	0.000	0.000	0.000	0.006	0.000
OF	675.900	-14.697	0.000	9.393	0.000	0.000	0.000	0.000	0.006	0.000
OF	679.100	-14.678	0.000	9.394	0.000	0.000	0.000	0.000	0.006	0.000
OF	682.400	-14.659	0.000	9.396	0.000	0.000	0.000	0.000	0.006	0.000
OF	685.700	-14.640	0.000	9.397	0.000	0.000	0.000	0.000	0.006	0.000
OF	689.000	-14.621	0.000	9.398	0.000	0.000	0.000	0.000	0.006	0.000
OF	692.300	-14.602	0.000	9.399	0.000	0.000	0.000	0.000	0.006	0.000
OF	695.500	-14.583	0.000	9.401	0.000	0.000	0.000	0.000	0.006	0.000
OF	698.800	-14.564	0.000	9.402	0.000	0.000	0.000	0.000	0.006	0.000
OF	702.100	-14.545	0.000	9.403	0.000	0.000	0.000	0.000	0.006	0.000
OF	705.400	-14.526	0.000	9.404	0.000	0.000	0.000	0.000	0.006	0.000
OF	708.700	-14.507	0.000	9.406	0.000	0.000	0.000	0.000	0.002	0.000
OF	711.900	-14.513	0.000	9.407	0.000	0.000	0.000	0.000	-0.005	0.000
OF	715.200	-14.537	0.000	9.408	0.000	0.000	0.000	0.000	-0.007	0.000
OF	718.500	-14.561	0.000	9.410	0.000	0.000	0.000	0.000	-0.007	0.000
OF	721.800	-14.585	0.000	9.411	0.000	0.000	0.000	0.000	-0.007	0.000
OF	725.100	-14.609	0.000	9.413	0.000	0.000	0.000	0.000	-0.007	0.000
OF	728.300	-14.633	0.000	9.414	0.000	0.000	0.000	0.000	-0.007	0.000
OF	731.600	-14.657	0.000	9.415	0.000	0.000	0.000	0.000	-0.007	0.000
OF	734.900	-14.681	0.000	9.417	0.000	0.000	0.000	0.000	-0.007	0.000
OF	738.200	-14.705	0.000	9.418	0.000	0.000	0.000	0.000	-0.007	0.000
OF	741.500	-14.729	0.000	9.419	0.000	0.000	0.000	0.000	-0.007	0.000
OF	744.700	-14.753	0.000	9.421	0.000	0.000	0.000	0.000	-0.007	0.000
OF	748.000	-14.777	0.000	9.422	0.000	0.000	0.000	0.000	-0.007	0.000
OF	751.300	-14.801	0.000	9.423	0.000	0.000	0.000	0.000	-0.007	0.000
OF	754.600	-14.824	0.000	9.424	0.000	0.000	0.000	0.000	-0.007	0.000
OF	757.900	-14.848	0.000	9.425	0.000	0.000	0.000	0.000	-0.007	0.000
OF	761.200	-14.872	0.000	9.427	0.000	0.000	0.000	0.000	-0.007	0.000
OF	764.400	-14.896	0.000	9.428	0.000	0.000	0.000	0.000	-0.007	0.000
OF	767.700	-14.920	0.000	9.429	0.000	0.000	0.000	0.000	-0.007	0.000
OF	771.000	-14.944	0.000	9.430	0.000	0.000	0.000	0.000	-0.007	0.000
OF	774.300	-14.968	0.000	9.431	0.000	0.000	0.000	0.000	-0.007	0.000
OF	777.600	-14.992	0.000	9.432	0.000	0.000	0.000	0.000	-0.007	0.000
OF	780.800	-15.016	0.000	9.433	0.000	0.000	0.000	0.000	-0.007	0.000
OF	784.100	-15.037	0.000	9.434	0.000	0.000	0.000	0.000	0.005	0.000
OF	787.400	-14.981	0.000	9.435	0.000	0.000	0.000	0.000	0.018	0.000
OF	790.700	-14.916	0.000	9.435	0.000	0.000	0.000	0.000	0.020	0.000
OF	794.000	-14.851	0.000	9.435	0.000	0.000	0.000	0.000	0.020	0.000
OF	797.200	-14.786	0.000	9.436	0.000	0.000	0.000	0.000	0.020	0.000
OF	800.500	-14.720	0.000	9.436	0.000	0.000	0.000	0.000	0.020	0.000
OF	803.800	-14.655	0.000	9.437	0.000	0.000	0.000	0.000	0.020	0.000
OF	807.100	-14.590	0.000	9.437	0.000	0.000	0.000	0.000	0.020	0.000
OF	810.400	-14.525	0.000	9.438	0.000	0.000	0.000	0.000	0.020	0.000
OF	813.600	-14.460	0.000	9.438	0.000	0.000	0.000	0.000	0.020	0.000
OF	816.900	-14.395	0.000	9.439	0.000	0.000	0.000	0.000	0.020	0.000
OF	820.200	-14.330	0.000	9.439	0.000	0.000	0.000	0.000	0.020	0.000
OF	823.500	-14.265	0.000	9.440	0.000	0.000	0.000	0.000	0.020	0.000
OF	826.800	-14.200	0.000	9.440	0.000	0.000	0.000	0.000	0.020	0.000
OF	830.100	-14.135	0.000	9.441	0.000	0.000	0.000	0.000	0.020	0.000
OF	833.300	-14.070	0.000	9.441	0.000	0.000	0.000	0.000	0.021	0.000
OF	836.600	-13.996	0.000	9.442	0.000	0.000	0.000	0.000	0.028	0.000
OF	839.900	-13.884	0.000	9.442	0.000	0.000	0.000	0.000	0.034	0.000
OF	843.200	-13.769	0.000	9.442	0.000	0.000	0.000	0.000	0.035	0.000
OF	846.500	-13.655	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
OF	849.700	-13.540	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
OF	853.000	-13.426	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
OF	856.300	-13.311	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
OF	859.600	-13.197	0.000	9.444	0.000	0.000	0.000	0.000	0.034	0.000
OF	862.900	-13.083	0.000	9.444	0.000	0.000	0.000	0.000	0.035	0.000
OF	866.100	-12.968	0.000	9.445	0.000	0.000	0.000	0.000	0.035	0.000
OF	869.400	-12.854	0.000	9.445	0.000	0.000	0.000	0.000	0.035	0.000
OF	872.700	-12.739	0.000	9.446	0.000	0.000	0.000	0.000	0.035	0.000
OF	876.000	-12.625	0.000	9.446	0.000	0.000	0.000	0.000	0.035	0.000
OF	879.300	-12.510	0.000	9.447	0.000	0.000	0.000	0.000	0.035	0.000
OF	882.500	-12.396	0.000	9.448	0.000	0.000	0.000	0.000	0.035	0.000
OF	885.800	-12.282	0.000	9.448	0.000	0.000	0.000	0.000	0.035	0.000
OF	889.100	-12.167	0.000	9.449	0.000	0.000	0.000	0.000	0.035	0.000
OF	892.400	-12.053	0.000	9.450	0.000	0.000	0.000	0.000	0.035	0.000
OF	895.700	-11.938	0.000	9.450	0.000	0.000	0.000	0.000	0.035	0.000
OF	898.900	-11.824	0.000	9.451	0.000	0.000	0.000	0.000	0.035	0.000
OF	902.200	-11.709	0.000	9.452	0.000	0.000	0.000	0.000	0.035	0.000
OF	905.500	-11.595	0.000	9.453	0.000	0.000	0.000	0.000	0.034	0.000
OF	908.800	-11.481	0.000	9.454	0.000	0.000	0.000	0.000	0.035	0.000
OF	912.100	-11.366	0.000	9.455	0.000	0.000	0.000	0.000	0.035	0.000
OF	915.400	-11.252	0.000	9.456	0.000	0.000	0.000	0.000	0.035	0.000
OF	918.600	-11.137	0.000	9.457	0.000	0.000	0.000	0.000	0.035	0.000
OF	921.900	-11.023	0.000	9.458	0.000	0.000	0.000	0.000	0.035	0.000
OF	925.200	-10.908	0.000	9.459	0.000	0.000	0.000	0.000	0.035	0.000
OF	928.500	-10.794	0.000	9.461	0.000	0.000	0.000	0.000	0.034	0.000
OF	931.800	-10.680	0.000	9.462	0.000	0.000	0.000	0.000	0.035	0.000
OF	935.000	-10.565	0.000	9.463	0.000	0.000	0.000	0.000	0.035	0.000
OF	938.300	-10.451	0.000	9.465	0.000	0.000	0.000	0.000	0.034	0.000
OF	941.600	-10.341	0.000	9.466	0.000	0.000	0.000	0.000	0.031	0.000
OF	944.900	-10.245	0.000	9.468	0.000	0.000	0.000	0.000	0.029	0.000
OF	948.200	-10.149	0.000	9.470	0.000	0.000	0.000	0.000	0.029	0.000
OF	951.400	-10.054	0.000	9.471	0.000	0.000	0.000	0.000	0.029	0.000
OF	954.700	-9.959	0.000	9.474	0.000	0.000	0.000	0.000	0.029	0.000
OF	958.000	-9.864	0.000	9.475	0.000	0.000	0.000	0.000	0.029	0.000
OF	961.300	-9.768	0.000	9.477	0.000	0.000	0.000	0.000	0.029	0.000
OF	964.600	-9.673	0.000	9.479	0.000	0.000	0.000	0.000	0.029	0.000
OF	967.800	-9.578	0.000	9.481	0.000	0.000	0.000	0.000	0.029	0.000
OF	971.100	-9.482	0.000	9.483	0.000	0.000	0.000	0.000	0.029	0.000

OF	974.400	-9.387	0.000	9.485	0.000	0.000	0.000	0.000	0.029	0.000
OF	977.700	-9.292	0.000	9.487	0.000	0.000	0.000	0.000	0.029	0.000
OF	981.000	-9.196	0.000	9.489	0.000	0.000	0.000	0.000	0.029	0.000
OF	984.200	-9.101	0.000	9.491	0.000	0.000	0.000	0.000	0.029	0.000
OF	987.500	-9.005	0.000	9.493	0.000	0.000	0.000	0.000	0.029	0.000
OF	990.800	-8.910	0.000	9.495	0.000	0.000	0.000	0.000	0.029	0.000
OF	994.100	-8.815	0.000	9.498	0.000	0.000	0.000	0.000	0.029	0.000
OF	997.400	-8.719	0.000	9.500	0.000	0.000	0.000	0.000	0.029	0.000
OF	1000.700	-8.624	0.000	9.502	0.000	0.000	0.000	0.000	0.029	0.000
OF	1003.900	-8.528	0.000	9.504	0.000	0.000	0.000	0.000	0.029	0.000
OF	1007.200	-8.433	0.000	9.507	0.000	0.000	0.000	0.000	0.029	0.000
OF	1010.500	-8.339	0.000	9.509	0.000	0.000	0.000	0.000	0.027	0.000
OF	1013.800	-8.254	0.000	9.512	0.000	0.000	0.000	0.000	0.025	0.000
OF	1017.100	-8.173	0.000	9.514	0.000	0.000	0.000	0.000	0.025	0.000
OF	1020.300	-8.092	0.000	9.517	0.000	0.000	0.000	0.000	0.025	0.000
OF	1023.600	-8.011	0.000	9.519	0.000	0.000	0.000	0.000	0.024	0.000
OF	1026.900	-7.930	0.000	9.522	0.000	0.000	0.000	0.000	0.024	0.000
OF	1030.200	-7.849	0.000	9.524	0.000	0.000	0.000	0.000	0.024	0.000
OF	1033.500	-7.768	0.000	9.527	0.000	0.000	0.000	0.000	0.025	0.000
OF	1036.700	-7.688	0.000	9.529	0.000	0.000	0.000	0.000	0.025	0.000
OF	1040.000	-7.607	0.000	9.532	0.000	0.000	0.000	0.000	0.024	0.000
OF	1043.300	-7.526	0.000	9.535	0.000	0.000	0.000	0.000	0.024	0.000
OF	1046.600	-7.445	0.000	9.538	0.000	0.000	0.000	0.000	0.024	0.000
OF	1049.900	-7.364	0.000	9.540	0.000	0.000	0.000	0.000	0.025	0.000
OF	1053.100	-7.283	0.000	9.543	0.000	0.000	0.000	0.000	0.025	0.000
OF	1056.400	-7.202	0.000	9.546	0.000	0.000	0.000	0.000	0.024	0.000
OF	1059.700	-7.121	0.000	9.548	0.000	0.000	0.000	0.000	0.024	0.000
OF	1063.000	-7.041	0.000	9.551	0.000	0.000	0.000	0.000	0.024	0.000
OF	1066.300	-6.959	0.000	9.554	0.000	0.000	0.000	0.000	0.024	0.000
OF	1069.600	-6.879	0.000	9.557	0.000	0.000	0.000	0.000	0.025	0.000
OF	1072.800	-6.798	0.000	9.559	0.000	0.000	0.000	0.000	0.025	0.000
OF	1076.100	-6.717	0.000	9.562	0.000	0.000	0.000	0.000	0.024	0.000
OF	1079.400	-6.637	0.000	9.565	0.000	0.000	0.000	0.000	0.024	0.000
OF	1082.700	-6.559	0.000	9.568	0.000	0.000	0.000	0.000	0.024	0.000
OF	1086.000	-6.480	0.000	9.571	0.000	0.000	0.000	0.000	0.024	0.000
OF	1089.200	-6.402	0.000	9.573	0.000	0.000	0.000	0.000	0.024	0.000
OF	1092.500	-6.323	0.000	9.576	0.000	0.000	0.000	0.000	0.024	0.000
OF	1095.800	-6.245	0.000	9.579	0.000	0.000	0.000	0.000	0.024	0.000
OF	1099.100	-6.166	0.000	9.582	0.000	0.000	0.000	0.000	0.024	0.000
OF	1102.400	-6.088	0.000	9.585	0.000	0.000	0.000	0.000	0.024	0.000
OF	1105.600	-6.009	0.000	9.588	0.000	0.000	0.000	0.000	0.024	0.000
OF	1108.900	-5.930	0.000	9.591	0.000	0.000	0.000	0.000	0.024	0.000
OF	1112.200	-5.852	0.000	9.593	0.000	0.000	0.000	0.000	0.024	0.000
OF	1115.500	-5.773	0.000	9.596	0.000	0.000	0.000	0.000	0.024	0.000
OF	1118.800	-5.695	0.000	9.599	0.000	0.000	0.000	0.000	0.024	0.000
OF	1122.000	-5.616	0.000	9.602	0.000	0.000	0.000	0.000	0.024	0.000
OF	1125.300	-5.541	0.000	9.605	0.000	0.000	0.000	0.000	0.022	0.000
OF	1128.600	-5.473	0.000	9.608	0.000	0.000	0.000	0.000	0.021	0.000
OF	1131.900	-5.406	0.000	9.611	0.000	0.000	0.000	0.000	0.020	0.000
OF	1135.200	-5.339	0.000	9.614	0.000	0.000	0.000	0.000	0.021	0.000
OF	1138.400	-5.271	0.000	9.617	0.000	0.000	0.000	0.000	0.021	0.000
OF	1141.700	-5.204	0.000	9.620	0.000	0.000	0.000	0.000	0.020	0.000
OF	1145.000	-5.136	0.000	9.623	0.000	0.000	0.000	0.000	0.020	0.000
OF	1148.300	-5.069	0.000	9.626	0.000	0.000	0.000	0.000	0.020	0.000
OF	1151.600	-5.002	0.000	9.629	0.000	0.000	0.000	0.000	0.020	0.000
OF	1154.900	-4.934	0.000	9.632	0.000	0.000	0.000	0.000	0.021	0.000
OF	1158.100	-4.867	0.000	9.635	0.000	0.000	0.000	0.000	0.021	0.000
OF	1161.400	-4.799	0.000	9.638	0.000	0.000	0.000	0.000	0.020	0.000
OF	1164.700	-4.732	0.000	9.641	0.000	0.000	0.000	0.000	0.020	0.000
OF	1168.000	-4.665	0.000	9.644	0.000	0.000	0.000	0.000	0.021	0.000
OF	1171.300	-4.597	0.000	9.646	0.000	0.000	0.000	0.000	0.021	0.000
OF	1174.500	-4.527	0.000	9.649	0.000	0.000	0.000	0.000	0.022	0.000
OF	1177.800	-4.456	0.000	9.652	0.000	0.000	0.000	0.000	0.021	0.000
OF	1181.100	-4.386	0.000	9.655	0.000	0.000	0.000	0.000	0.021	0.000
OF	1184.400	-4.315	0.000	9.658	0.000	0.000	0.000	0.000	0.021	0.000
OF	1187.700	-4.244	0.000	9.661	0.000	0.000	0.000	0.000	0.022	0.000
OF	1190.900	-4.174	0.000	9.664	0.000	0.000	0.000	0.000	0.022	0.000
OF	1194.200	-4.103	0.000	9.667	0.000	0.000	0.000	0.000	0.021	0.000
OF	1197.500	-4.032	0.000	9.670	0.000	0.000	0.000	0.000	0.021	0.000
OF	1200.800	-3.962	0.000	9.673	0.000	0.000	0.000	0.000	0.021	0.000
OF	1204.100	-3.891	0.000	9.676	0.000	0.000	0.000	0.000	0.022	0.000
OF	1207.300	-3.820	0.000	9.678	0.000	0.000	0.000	0.000	0.022	0.000
OF	1210.600	-3.750	0.000	9.681	0.000	0.000	0.000	0.000	0.021	0.000
OF	1213.900	-3.679	0.000	9.684	0.000	0.000	0.000	0.000	0.018	0.000
OF	1217.200	-3.629	0.000	9.688	0.000	0.000	0.000	0.000	0.015	0.000
OF	1220.500	-3.582	0.000	9.691	0.000	0.000	0.000	0.000	0.014	0.000
OF	1223.800	-3.535	0.000	9.694	0.000	0.000	0.000	0.000	0.014	0.000
OF	1227.000	-3.487	0.000	9.697	0.000	0.000	0.000	0.000	0.014	0.000
OF	1230.300	-3.440	0.000	9.700	0.000	0.000	0.000	0.000	0.014	0.000
OF	1233.600	-3.393	0.000	9.703	0.000	0.000	0.000	0.000	0.014	0.000
OF	1236.900	-3.345	0.000	9.706	0.000	0.000	0.000	0.000	0.014	0.000
OF	1240.200	-3.298	0.000	9.709	0.000	0.000	0.000	0.000	0.014	0.000
OF	1243.400	-3.251	0.000	9.712	0.000	0.000	0.000	0.000	0.014	0.000
OF	1246.700	-3.204	0.000	9.715	0.000	0.000	0.000	0.000	0.014	0.000
OF	1250.000	-3.157	0.000	9.717	0.000	0.000	0.000	0.000	0.014	0.000
OF	1253.300	-3.109	0.000	9.720	0.000	0.000	0.000	0.000	0.014	0.000
OF	1256.600	-3.062	0.000	9.723	0.000	0.000	0.000	0.000	0.014	0.000
OF	1259.800	-3.015	0.000	9.726	0.000	0.000	0.000	0.000	0.014	0.000
OF	1263.100	-2.967	0.000	9.728	0.000	0.000	0.000	0.000	0.014	0.000
OF	1266.400	-2.920	0.000	9.731	0.000	0.000	0.000	0.000	0.014	0.000
OF	1269.700	-2.873	0.000	9.734	0.000	0.000	0.000	0.000	0.014	0.000
OF	1273.000	-2.826	0.000	9.736	0.000	0.000	0.000	0.000	0.014	0.000
OF	1276.200	-2.778	0.000	9.739	0.000	0.000	0.000	0.000	0.014	0.000
OF	1279.500	-2.731	0.000	9.741	0.000	0.000	0.000	0.000	0.014	0.000
OF	1282.800	-2.684	0.000	9.744	0.000	0.000	0.000	0.000	0.014	0.000
OF	1286.100	-2.637	0.000	9.747	0.000	0.000	0.000	0.000	0.014	0.000
OF	1289.400	-2.589	0.000	9.749	0.000	0.000	0.000	0.000	0.014	0.000
OF	1292.600	-2.542	0.000	9.752	0.000	0.000	0.000	0.000	0.014	0.000
OF	1295.900	-2.495	0.000	9.754	0.000	0.000	0.000	0.000	0.014	0.000
OF	1299.200	-2.448	0.000	9.757	0.000	0.000	0.000	0.000	0.014	0.000
OF	1302.500	-2.400	0.000	9.759	0.000	0.000	0.000	0.000	0.014	0.000
OF	1305.800	-2.353	0.000	9.762	0.000	0.000	0.000	0.000	0.014	0.000

OF	1309.100	-2.306	0.000	9.764	0.000	0.000	0.000	0.000	0.014	0.000
OF	1312.300	-2.259	0.000	9.766	0.000	0.000	0.000	0.000	0.014	0.000
OF	1315.600	-2.211	0.000	9.769	0.000	0.000	0.000	0.000	0.014	0.000
OF	1318.900	-2.164	0.000	9.771	0.000	0.000	0.000	0.000	0.014	0.000
OF	1322.200	-2.117	0.000	9.774	0.000	0.000	0.000	0.000	0.014	0.000
OF	1325.500	-2.069	0.000	9.776	0.000	0.000	0.000	0.000	0.014	0.000
OF	1328.700	-2.022	0.000	9.778	0.000	0.000	0.000	0.000	0.014	0.000
OF	1332.000	-1.975	0.000	9.780	0.000	0.000	0.000	0.000	0.014	0.000
OF	1335.300	-1.928	0.000	9.783	0.000	0.000	0.000	0.000	0.014	0.000
OF	1338.600	-1.880	0.000	9.785	0.000	0.000	0.000	0.000	0.014	0.000
OF	1341.900	-1.833	0.000	9.787	0.000	0.000	0.000	0.000	0.014	0.000
OF	1345.100	-1.786	0.000	9.789	0.000	0.000	0.000	0.000	0.014	0.000
OF	1348.400	-1.739	0.000	9.792	0.000	0.000	0.000	0.000	0.014	0.000
OF	1351.700	-1.691	0.000	9.794	0.000	0.000	0.000	0.000	0.014	0.000
OF	1355.000	-1.644	0.000	9.796	0.000	0.000	0.000	0.000	0.014	0.000
OF	1358.300	-1.597	0.000	9.798	0.000	0.000	0.000	0.000	0.015	0.000
OF	1361.500	-1.549	0.000	9.800	0.000	0.000	0.000	0.000	0.014	0.000
OF	1364.800	-1.502	0.000	9.803	0.000	0.000	0.000	0.000	0.014	0.000
OF	1368.100	-1.455	0.000	9.805	0.000	0.000	0.000	0.000	0.014	0.000
OF	1371.400	-1.408	0.000	9.807	0.000	0.000	0.000	0.000	0.014	0.000
OF	1374.700	-1.360	0.000	9.809	0.000	0.000	0.000	0.000	0.015	0.000
OF	1377.900	-1.313	0.000	9.811	0.000	0.000	0.000	0.000	0.014	0.000
OF	1381.200	-1.266	0.000	9.814	0.000	0.000	0.000	0.000	0.014	0.000
OF	1384.500	-1.218	0.000	9.815	0.000	0.000	0.000	0.000	0.015	0.000
OF	1387.800	-1.168	0.000	9.818	0.000	0.000	0.000	0.000	0.015	0.000
OF	1391.100	-1.117	0.000	9.820	0.000	0.000	0.000	0.000	0.015	0.000
OF	1394.400	-1.065	0.000	9.821	0.000	0.000	0.000	0.000	0.016	0.000
OF	1397.600	-1.015	0.000	9.824	0.000	0.000	0.000	0.000	0.015	0.000
OF	1400.900	-0.965	0.000	9.826	0.000	0.000	0.000	0.000	0.015	0.000
OF	1404.200	-0.916	0.000	9.828	0.000	0.000	0.000	0.000	0.015	0.000
OF	1407.500	-0.867	0.000	9.830	0.000	0.000	0.000	0.000	0.015	0.000
OF	1410.800	-0.817	0.000	9.832	0.000	0.000	0.000	0.000	0.015	0.000
OF	1414.000	-0.768	0.000	9.834	0.000	0.000	0.000	0.000	0.015	0.000
OF	1417.300	-0.718	0.000	9.836	0.000	0.000	0.000	0.000	0.015	0.000
OF	1420.600	-0.669	0.000	9.838	0.000	0.000	0.000	0.000	0.015	0.000
OF	1423.900	-0.620	0.000	9.840	0.000	0.000	0.000	0.000	0.015	0.000
OF	1427.200	-0.570	0.000	9.842	0.000	0.000	0.000	0.000	0.015	0.000
OF	1430.400	-0.521	0.000	9.844	0.000	0.000	0.000	0.000	0.015	0.000
OF	1433.700	-0.471	0.000	9.846	0.000	0.000	0.000	0.000	0.015	0.000
OF	1437.000	-0.422	0.000	9.849	0.000	0.000	0.000	0.000	0.015	0.000
OF	1440.300	-0.373	0.000	9.851	0.000	0.000	0.000	0.000	0.015	0.000
OF	1443.600	-0.323	0.000	9.853	0.000	0.000	0.000	0.000	0.009	0.000
OF	1446.800	-0.314	0.000	9.855	0.000	0.000	0.000	0.000	0.002	0.000
OF	1450.100	-0.311	0.000	9.857	0.000	0.000	0.000	0.000	0.001	0.000
OF	1453.400	-0.308	0.000	9.860	0.000	0.000	0.000	0.000	0.001	0.000
OF	1456.700	-0.305	0.000	9.862	0.000	0.000	0.000	0.000	0.001	0.000
OF	1460.000	-0.301	0.000	9.864	0.000	0.000	0.000	0.000	0.001	0.000
OF	1463.300	-0.298	0.000	9.866	0.000	0.000	0.000	0.000	0.050	0.000
IF	1466.500	0.023	0.000	9.865	0.000	0.000	0.000	0.000	0.058	0.000
IF	1469.800	0.076	0.000	9.867	0.000	0.000	0.000	0.000	0.016	0.000
IF	1473.100	0.129	0.000	9.869	0.000	0.000	0.000	0.000	0.016	0.000
IF	1476.400	0.182	0.000	9.871	0.000	0.000	0.000	0.000	0.016	0.000
IF	1479.700	0.235	0.000	9.873	0.000	0.000	0.000	0.000	0.016	0.000
IF	1482.900	0.288	0.000	9.875	0.000	0.000	0.000	0.000	0.016	0.000
IF	1486.200	0.340	0.000	9.877	0.000	0.000	0.000	0.000	0.016	0.000
IF	1489.500	0.393	0.000	9.879	0.000	0.000	0.000	0.000	0.016	0.000
IF	1492.800	0.446	0.000	9.881	0.000	0.000	0.000	0.000	0.016	0.000
IF	1496.100	0.499	0.000	9.883	0.000	0.000	0.000	0.000	0.016	0.000
IF	1499.300	0.552	0.000	9.885	0.000	0.000	0.000	0.000	0.016	0.000
IF	1502.600	0.605	0.000	9.887	0.000	0.000	0.000	0.000	0.016	0.000
IF	1505.900	0.658	0.000	9.889	0.000	0.000	0.000	0.000	0.017	0.000
IF	1509.200	0.716	0.000	9.891	0.000	0.000	0.000	0.000	0.018	0.000
IF	1512.500	0.774	0.000	9.893	0.000	0.000	0.000	0.000	0.018	0.000
IF	1515.700	0.831	0.000	9.896	0.000	0.000	0.000	0.000	0.018	0.000
IF	1519.000	0.889	0.000	9.897	0.000	0.000	0.000	0.000	0.018	0.000
IF	1522.300	0.947	0.000	9.899	0.000	0.000	0.000	0.000	0.018	0.000
IF	1525.600	1.004	0.000	9.901	0.000	0.000	0.000	0.000	0.018	0.000
IF	1528.900	1.062	0.000	9.904	0.000	0.000	0.000	0.000	0.018	0.000
IF	1532.100	1.120	0.000	9.906	0.000	0.000	0.000	0.000	0.018	0.000
IF	1535.400	1.177	0.000	9.908	0.000	0.000	0.000	0.000	0.018	0.000
IF	1538.700	1.235	0.000	9.910	0.000	0.000	0.000	0.000	0.018	0.000
IF	1542.000	1.293	0.000	9.912	0.000	0.000	0.000	0.000	0.018	0.000
IF	1545.300	1.350	0.000	9.914	0.000	0.000	0.000	0.000	0.018	0.000
IF	1548.600	1.412	0.000	9.916	0.000	0.000	0.000	0.000	0.019	0.000
IF	1551.800	1.474	0.000	9.918	0.000	0.000	0.000	0.000	0.019	0.000
IF	1555.100	1.535	0.000	9.920	0.000	0.000	0.000	0.000	0.019	0.000
IF	1558.400	1.597	0.000	9.922	0.000	0.000	0.000	0.000	0.019	0.000
IF	1561.700	1.659	0.000	9.924	0.000	0.000	0.000	0.000	0.019	0.000
IF	1565.000	1.721	0.000	9.927	0.000	0.000	0.000	0.000	0.019	0.000
IF	1568.200	1.783	0.000	9.929	0.000	0.000	0.000	0.000	0.019	0.000
IF	1571.500	1.845	0.000	9.931	0.000	0.000	0.000	0.000	0.019	0.000
IF	1574.800	1.906	0.000	9.933	0.000	0.000	0.000	0.000	0.019	0.000
IF	1578.100	1.968	0.000	9.935	0.000	0.000	0.000	0.000	0.019	0.000
IF	1581.400	2.030	0.000	9.937	0.000	0.000	0.000	0.000	0.019	0.000
IF	1584.600	2.092	0.000	9.939	0.000	0.000	0.000	0.000	0.019	0.000
IF	1587.900	2.154	0.000	9.942	0.000	0.000	0.000	0.000	0.019	0.000
IF	1591.200	2.216	0.000	9.944	0.000	0.000	0.000	0.000	0.026	0.000
IF	1594.500	2.323	0.000	9.946	0.000	0.000	0.000	0.000	0.052	0.000
IF	1597.800	2.555	0.000	9.946	0.000	0.000	0.000	0.000	0.072	0.000
IF	1601.000	2.788	0.000	9.947	0.000	0.000	0.000	0.000	0.072	0.000
IF	1604.300	3.020	0.000	9.948	0.000	0.000	0.000	0.000	0.070	0.000
IF	1607.600	3.253	0.000	9.949	0.000	0.000	0.000	0.000	0.070	0.000
IF	1610.900	3.485	0.000	9.952	0.000	0.000	0.000	0.000	0.070	0.000
IF	1614.200	3.718	0.000	9.955	0.000	0.000	0.000	0.000	0.070	0.000
IF	1617.500	3.950	0.000	9.958	0.000	0.000	0.000	0.000	0.068	0.000
IF	1620.700	4.160	0.000	9.963	0.000	0.000	0.000	0.000	0.058	0.000
IF	1624.000	4.328	0.000	9.969	0.000	0.000	0.000	0.000	0.051	0.000
IF	1627.300	4.496	0.000	9.976	0.000	0.000	0.000	0.000	0.051	0.000
IF	1630.600	4.663	0.000	9.984	0.000	0.000	0.000	0.000	0.051	0.000
IF	1633.900	4.831	0.000	9.992	0.000	0.000	0.000	0.000	0.052	0.000
IF	1637.100	4.998	0.000	10.001	0.000	0.000	0.000	0.000	0.052	0.000
IF	1640.400	5.166	0.000	10.010	0.000	0.000	0.000	0.000	0.051	0.000

IF	1643.700	5.333	0.000	10.019	0.000	0.000	0.000	0.000	0.051	0.000
IF	1647.000	5.501	0.000	10.030	0.000	0.000	0.000	0.000	0.051	0.000
IF	1650.300	5.669	0.000	10.040	0.000	0.000	0.000	0.000	0.052	0.000
IF	1653.500	5.836	0.000	10.052	0.000	0.000	0.000	0.000	0.057	0.000
IF	1656.800	6.039	0.000	10.063	0.000	0.000	0.000	0.000	0.071	0.000
IF	1660.100	6.302	0.000	10.074	0.000	0.000	0.000	0.000	0.080	0.000
IF	1663.400	6.566	0.000	10.087	0.000	0.000	0.000	0.000	0.080	0.000
IF	1666.700	6.829	0.000	10.103	0.000	0.000	0.000	0.000	0.081	0.000
IF	1669.900	7.092	0.000	10.121	0.000	0.000	0.000	0.000	0.081	0.000
IF	1673.200	7.356	0.000	10.146	0.000	0.000	0.000	0.000	0.080	0.000
IF	1676.500	7.618	0.000	10.179	0.000	0.000	0.000	0.000	0.079	0.000
IF	1679.800	7.879	0.000	10.216	0.000	0.000	0.000	0.000	0.079	0.000
IF	1683.100	8.140	0.000	10.254	0.000	0.000	0.000	0.000	0.080	0.000
IF	1686.300	8.401	0.000	10.287	0.000	0.000	0.000	0.000	-0.249	0.000
IF	1689.600	6.520	0.000	10.337	0.000	0.000	0.000	0.000	0.053	0.000
IF	1692.900	8.751	0.000	10.311	0.000	0.000	0.000	0.000	0.677	0.000
IF	1695.200	10.311	0.000	10.311	0.000	0.000	0.000	0.000	0.678	0.000
AS	1818.600	9.432	0.000	9.432	0.000	0.000	0.000	0.000	-0.171	0.000
IF	1821.600	8.920	0.000	9.432	0.000	0.000	0.000	0.000	-0.111	0.000
IF	1823.600	8.878	0.000	9.432	0.000	0.000	0.000	0.000	-0.025	0.000
IF	1833.600	8.624	0.000	9.432	0.000	0.000	0.000	0.000	-0.054	0.000
IF	1845.600	7.701	0.000	9.432	0.000	0.000	0.000	0.000	-0.071	0.000
IF	1847.600	7.627	0.000	9.432	0.000	0.000	0.000	0.000	0.011	0.000
IF	1859.600	7.850	0.000	9.432	0.000	0.000	0.000	0.000	-0.006	0.000
IF	1871.600	7.481	0.000	9.432	0.000	0.000	0.000	0.000	-0.028	0.000
IF	1879.600	7.296	0.000	9.432	0.000	0.000	0.000	0.000	-0.032	0.000
IF	1891.600	6.843	0.000	9.432	0.000	0.000	0.000	0.000	-0.020	0.000
IF	1899.600	6.889	0.000	9.432	0.000	0.000	0.000	0.000	-0.004	0.000
IF	1911.600	6.768	0.000	9.432	0.000	0.000	0.000	0.000	-0.020	0.000
IF	1929.600	6.291	0.000	9.432	0.000	0.000	0.000	0.000	-0.031	0.000
IF	1931.600	6.155	0.000	9.432	0.000	0.000	0.000	0.000	-0.011	0.000
IF	1965.600	5.889	0.000	9.432	0.000	0.000	0.000	0.000	-0.008	0.000
IF	1967.600	5.872	0.000	9.432	0.000	0.000	0.000	0.000	0.005	0.000
IF	1987.600	6.001	0.000	9.432	0.000	0.000	0.000	0.000	0.005	0.000
IF	1989.600	5.982	0.000	9.432	0.000	0.000	0.000	0.000	0.009	0.000
IF	2035.600	6.428	0.000	9.431	0.000	0.000	0.000	0.000	0.002	0.000
IF	2051.600	6.118	0.000	9.431	0.000	0.000	0.000	0.000	-0.018	0.000
IF	2053.600	6.110	0.000	9.431	0.000	0.000	0.000	0.000	0.008	0.000
IF	2095.600	6.476	0.000	9.430	0.000	0.000	0.000	0.000	0.002	0.000
IF	2103.600	6.225	0.000	9.430	0.000	0.000	0.000	0.000	-0.027	0.000
IF	2121.600	5.777	0.000	9.430	0.000	0.000	0.000	0.000	-0.010	0.000
IF	2137.600	5.895	0.000	9.429	0.000	0.000	0.000	0.000	0.003	0.000
IF	2153.600	5.870	0.000	9.429	0.000	0.000	0.000	0.000	-0.002	0.000
IF	2155.600	5.867	0.000	9.429	0.000	0.000	0.000	0.000	-0.018	0.000
IF	2177.600	5.450	0.000	9.429	0.000	0.000	0.000	0.000	-0.019	0.000
IF	2179.600	5.423	0.000	9.429	0.000	0.000	0.000	0.000	0.005	0.000
IF	2197.600	5.547	0.000	9.429	0.000	0.000	0.000	0.000	0.004	0.000
IF	2201.600	5.517	0.000	9.429	0.000	0.000	0.000	0.000	0.010	0.000
IF	2225.600	5.815	0.000	9.430	0.000	0.000	0.000	0.000	0.012	0.000
IF	2227.600	5.823	0.000	9.430	0.000	0.000	0.000	0.000	0.019	0.000
IF	2259.600	6.444	0.000	9.432	0.000	0.000	0.000	0.000	-0.001	0.000
IF	2275.600	5.785	0.000	9.432	0.000	0.000	0.000	0.000	-0.036	0.000
IF	2277.600	5.804	0.000	9.432	0.000	0.000	0.000	0.000	0.010	0.000
IF	2297.600	6.002	0.000	9.433	0.000	0.000	0.000	0.000	-0.004	0.000
IF	2305.600	5.695	0.000	9.433	0.000	0.000	0.000	0.000	-0.026	0.000
IF	2327.600	5.235	0.000	9.434	0.000	0.000	0.000	0.000	-0.019	0.000
IF	2329.600	5.238	0.000	9.434	0.000	0.000	0.000	0.000	0.014	0.000
IF	2353.600	5.612	0.000	9.436	0.000	0.000	0.000	0.000	0.004	0.000
IF	2377.600	5.436	0.000	9.437	0.000	0.000	0.000	0.000	-0.007	0.000
IF	2379.600	5.433	0.000	9.438	0.000	0.000	0.000	0.000	-0.004	0.000
IF	2397.600	5.362	0.000	9.439	0.000	0.000	0.000	0.000	-0.005	0.000
IF	2399.600	5.341	0.000	9.439	0.000	0.000	0.000	0.000	-0.007	0.000
IF	2437.600	5.086	0.000	9.441	0.000	0.000	0.000	0.000	-0.008	0.000
IF	2439.600	5.030	0.000	9.442	0.000	0.000	0.000	0.000	0.007	0.000
IF	2477.600	5.374	0.000	9.443	0.000	0.000	0.000	0.000	0.009	0.000
IF	2479.600	5.407	0.000	9.443	0.000	0.000	0.000	0.000	-0.016	0.000
IF	2513.600	4.808	0.000	9.443	0.000	0.000	0.000	0.000	-0.017	0.000
IF	2515.600	4.785	0.000	9.443	0.000	0.000	0.000	0.000	0.017	0.000
IF	2549.600	5.420	0.000	9.443	0.000	0.000	0.000	0.000	0.022	0.000
IF	2565.600	5.885	0.000	9.443	0.000	0.000	0.000	0.000	0.018	0.000
IF	2585.600	6.071	0.000	9.443	0.000	0.000	0.000	0.000	0.006	0.000
IF	2587.600	6.022	0.000	9.443	0.000	0.000	0.000	0.000	-0.001	0.000
IF	2605.600	6.061	0.000	9.444	0.000	0.000	0.000	0.000	-0.001	0.000
IF	2611.600	6.003	0.000	9.444	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2635.600	5.890	0.000	9.444	0.000	0.000	0.000	0.000	0.001	0.000
IF	2647.600	6.025	0.000	9.444	0.000	0.000	0.000	0.000	-0.015	0.000
IF	2653.600	5.618	0.000	9.444	0.000	0.000	0.000	0.000	-0.008	0.000
IF	2677.600	5.792	0.000	9.445	0.000	0.000	0.000	0.000	0.012	0.000
IF	2693.600	6.091	0.000	9.445	0.000	0.000	0.000	0.000	0.017	0.000
IF	2695.600	6.090	0.000	9.445	0.000	0.000	0.000	0.000	-0.006	0.000
IF	2717.600	5.946	0.000	9.445	0.000	0.000	0.000	0.000	-0.008	0.000
IF	2719.600	5.891	0.000	9.445	0.000	0.000	0.000	0.000	-0.009	0.000
IF	2735.600	5.783	0.000	9.445	0.000	0.000	0.000	0.000	0.001	0.000
IF	2761.600	5.920	0.000	9.446	0.000	0.000	0.000	0.000	0.002	0.000
IF	2763.600	5.840	0.000	9.446	0.000	0.000	0.000	0.000	0.000	0.000
IF	2781.600	5.918	0.000	9.446	0.000	0.000	0.000	0.000	0.005	0.000
IF	2783.600	5.933	0.000	9.446	0.000	0.000	0.000	0.000	0.004	0.000
IF	2803.600	6.002	0.000	9.447	0.000	0.000	0.000	0.000	0.004	0.000
IF	2805.600	6.020	0.000	9.447	0.000	0.000	0.000	0.000	0.006	0.000
IF	2827.600	6.155	0.000	9.447	0.000	0.000	0.000	0.000	0.006	0.000
IF	2845.600	6.265	0.000	9.448	0.000	0.000	0.000	0.000	0.003	0.000
IF	2855.600	6.250	0.000	9.448	0.000	0.000	0.000	0.000	-0.003	0.000
IF	2873.600	6.174	0.000	9.448	0.000	0.000	0.000	0.000	-0.004	0.000
IF	2875.600	6.162	0.000	9.448	0.000	0.000	0.000	0.000	0.009	0.000
IF	2895.600	6.368	0.000	9.448	0.000	0.000	0.000	0.000	0.008	0.000
IF	2899.600	6.353	0.000	9.448	0.000	0.000	0.000	0.000	-0.003	0.000
IF	2923.600	6.288	0.000	9.448	0.000	0.000	0.000	0.000	-0.002	0.000
IF	2925.600	6.298	0.000	9.448	0.000	0.000	0.000	0.000	0.016	0.000
IF	2949.600	6.701	0.000	9.448	0.000	0.000	0.000	0.000	0.010	0.000
IF	2971.600	6.738	0.000	9.448	0.000	0.000	0.000	0.000	0.001	0.000
IF	2973.600	6.733	0.000	9.448	0.000	0.000	0.000	0.000	-0.005	0.000
IF	2987.600	6.654	0.000	9.448	0.000	0.000	0.000	0.000	-0.004	0.000

IF	2991.600	6.665	0.000	9.448	0.000	0.000	0.000	0.000	0.002	0.000
IF	3005.600	6.700	0.000	9.448	0.000	0.000	0.000	0.000	0.002	0.000
IF	3007.600	6.690	0.000	9.448	0.000	0.000	0.000	0.000	0.040	0.000
IF	3021.600	7.334	0.000	9.448	0.000	0.000	0.000	0.000	0.041	0.000
IF	3037.600	7.924	0.000	9.448	0.000	0.000	0.000	0.000	0.034	0.000
IF	3039.600	7.951	0.000	9.448	0.000	0.000	0.000	0.000	0.021	0.000
IF	3051.600	8.224	0.000	9.448	0.000	0.000	0.000	0.000	-0.012	0.000
IF	3059.600	7.714	0.000	9.447	0.000	0.000	0.000	0.000	-0.048	0.000
IF	3075.600	7.061	0.000	9.447	0.000	0.000	0.000	0.000	-0.038	0.000
IF	3077.600	7.038	0.000	9.446	0.000	0.000	0.000	0.000	0.017	0.000
IF	3099.600	7.478	0.000	9.446	0.000	0.000	0.000	0.000	0.016	0.000
IF	3101.600	7.431	0.000	9.446	0.000	0.000	0.000	0.000	-0.033	0.000
IF	3125.600	6.623	0.000	9.444	0.000	0.000	0.000	0.000	-0.036	0.000
IF	3127.600	6.487	0.000	9.444	0.000	0.000	0.000	0.000	0.000	0.000
IF	3143.600	6.624	0.000	9.444	0.000	0.000	0.000	0.000	0.009	0.000
IF	3145.600	6.649	0.000	9.444	0.000	0.000	0.000	0.000	0.032	0.000
IF	3163.600	7.260	0.000	9.443	0.000	0.000	0.000	0.000	0.033	0.000
IF	3193.600	8.217	0.000	9.442	0.000	0.000	0.000	0.000	0.032	0.000
IF	3195.600	8.272	0.000	9.442	0.000	0.000	0.000	0.000	0.055	0.000
IF	3209.600	9.100	0.000	9.442	0.000	0.000	0.000	0.000	0.059	0.000
IF	3211.600	9.221	0.000	9.442	0.000	0.000	0.000	0.000	0.058	0.000
IF	3215.500	9.442	0.000	9.442	0.000	0.000	0.000	0.000	0.057	0.000
AS	3627.400	9.438	0.000	9.438	0.000	0.000	0.000	0.000	-0.049	0.000
IF	3629.600	9.330	0.000	9.438	0.000	0.000	0.000	0.000	-0.003	0.000
IF	5187.600	4.276	0.000	9.439	0.000	0.000	0.000	0.000	-0.003	0.000
IF	5191.600	4.307	0.000	9.439	0.000	0.000	0.000	0.000	0.003	0.000
IF	5371.600	4.838	0.000	9.442	0.000	0.000	0.000	0.000	0.000	0.000
IF	5375.600	4.252	0.000	9.442	0.000	0.000	0.000	0.000	0.007	0.000
IF	5467.600	5.552	0.000	9.444	0.000	0.000	0.000	0.000	0.013	0.000
IF	5487.600	5.743	0.000	9.445	0.000	0.000	0.000	0.000	0.010	0.000
IF	5491.600	5.787	0.000	9.445	0.000	0.000	0.000	0.000	0.003	0.000
IF	5553.600	5.924	0.000	9.446	0.000	0.000	0.000	0.000	0.001	0.000
IF	5569.600	5.861	0.000	9.447	0.000	0.000	0.000	0.000	-0.005	0.000
IF	5571.600	5.842	0.000	9.447	0.000	0.000	0.000	0.000	0.008	0.000
IF	5623.600	6.294	0.000	9.467	0.000	0.000	0.000	0.000	0.009	0.000
IF	5625.600	6.299	0.000	9.468	0.000	0.000	0.000	0.000	-0.002	0.000
IF	5659.600	6.217	0.000	9.494	0.000	0.000	0.000	0.000	-0.003	0.000
IF	5663.600	6.190	0.000	9.498	0.000	0.000	0.000	0.000	-0.007	0.000
IF	5683.600	6.045	0.000	9.522	0.000	0.000	0.000	0.000	-0.014	0.000
IF	5693.600	5.782	0.000	9.534	0.000	0.000	0.000	0.000	-0.014	0.000
IF	5701.600	5.799	0.000	9.544	0.000	0.000	0.000	0.000	-0.009	0.000
IF	5721.600	5.541	0.000	9.568	0.000	0.000	0.000	0.000	-0.012	0.000
IF	5723.600	5.530	0.000	9.570	0.000	0.000	0.000	0.000	0.004	0.000
IF	5781.600	5.786	0.000	9.639	0.000	0.000	0.000	0.000	0.004	0.000
IF	5783.600	5.763	0.000	9.642	0.000	0.000	0.000	0.000	-0.002	0.000
IF	5809.600	5.739	0.000	9.646	0.000	0.000	0.000	0.000	-0.001	0.000
IF	5811.600	5.731	0.000	9.646	0.000	0.000	0.000	0.000	0.014	0.000
IF	5837.600	6.137	0.000	9.646	0.000	0.000	0.000	0.000	0.015	0.000
IF	5839.600	6.155	0.000	9.646	0.000	0.000	0.000	0.000	0.017	0.000
IF	5869.600	6.690	0.000	9.646	0.000	0.000	0.000	0.000	0.024	0.000
IF	5877.600	7.087	0.000	9.646	0.000	0.000	0.000	0.000	-0.027	0.000
IF	5891.600	6.103	0.000	9.646	0.000	0.000	0.000	0.000	-0.076	0.000
IF	5895.600	5.725	0.000	9.646	0.000	0.000	0.000	0.000	-0.068	0.000
IF	5913.600	4.609	0.000	9.646	0.000	0.000	0.000	0.000	-0.049	0.000
IF	5921.600	4.441	0.000	9.646	0.000	0.000	0.000	0.000	-0.010	0.000
IF	5939.600	4.353	0.000	9.646	0.000	0.000	0.000	0.000	-0.054	0.000
IF	5991.600	0.641	0.000	9.647	0.000	0.000	0.000	0.000	-0.073	0.000
IF	5993.600	0.421	0.000	9.647	0.000	0.000	0.000	0.000	0.030	0.000
IF	6079.600	3.259	0.000	9.648	0.000	0.000	0.000	0.000	0.032	0.000
IF	6081.600	3.247	0.000	9.648	0.000	0.000	0.000	0.000	0.016	0.000
IF	6111.600	3.772	0.000	9.648	0.000	0.000	0.000	0.000	0.016	0.000
IF	6113.600	3.762	0.000	9.648	0.000	0.000	0.000	0.000	0.018	0.000
IF	6139.600	4.267	0.000	9.648	0.000	0.000	0.000	0.000	0.017	0.000
IF	6141.600	4.243	0.000	9.648	0.000	0.000	0.000	0.000	0.098	0.000
IF	6175.600	7.782	0.000	9.648	0.000	0.000	0.000	0.000	0.073	0.000
IF	6185.600	7.474	0.000	9.648	0.000	0.000	0.000	0.000	-0.025	0.000
IF	6191.600	7.376	0.000	9.648	0.000	0.000	0.000	0.000	-0.008	0.000
IF	6201.600	7.340	0.000	9.648	0.000	0.000	0.000	0.000	0.006	0.000
IF	6209.600	7.477	0.000	9.648	0.000	0.000	0.000	0.000	0.023	0.000
IF	6231.600	8.023	0.000	9.648	0.000	0.000	0.000	0.000	0.020	0.000
IF	6233.600	7.962	0.000	9.648	0.000	0.000	0.000	0.000	0.005	0.000
IF	6247.600	8.099	0.000	9.648	0.000	0.000	0.000	0.000	0.002	0.000
IF	6255.600	7.995	0.000	9.648	0.000	0.000	0.000	0.000	-0.012	0.000
IF	6271.600	7.812	0.000	9.648	0.000	0.000	0.000	0.000	-0.013	0.000
IF	6273.600	7.760	0.000	9.648	0.000	0.000	0.000	0.000	0.010	0.000
IF	6313.600	8.245	0.000	9.648	0.000	0.000	0.000	0.000	0.008	0.000
IF	6315.600	8.096	0.000	9.648	0.000	0.000	0.000	0.000	-0.007	0.000
IF	6331.600	8.111	0.000	9.648	0.000	0.000	0.000	0.000	0.000	0.000
IF	6333.600	8.090	0.000	9.648	0.000	0.000	0.000	0.000	-0.005	0.000
IF	6347.600	8.022	0.000	9.648	0.000	0.000	0.000	0.000	-0.003	0.000
IF	6349.600	8.038	0.000	9.648	0.000	0.000	0.000	0.000	0.017	0.000
IF	6391.600	8.765	0.000	9.648	0.000	0.000	0.000	0.000	0.019	0.000
IF	6409.600	9.186	0.000	9.648	0.000	0.000	0.000	0.000	0.019	0.000
IF	6411.600	9.153	0.000	9.648	0.000	0.000	0.000	0.000	0.016	0.000
IF	6427.600	9.481	0.000	9.648	0.000	0.000	0.000	0.000	0.022	0.000
IF	6429.600	9.541	0.000	9.648	0.000	0.000	0.000	0.000	0.028	0.000
IF	6433.500	9.648	0.000	9.648	0.000	0.000	0.000	0.000	0.027	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	-22.504	1.000	1.000	8.891	29.777	14.030	56.140	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	3.300	-22.429	0.000	8.894	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	6.600	-22.355	0.000	8.896	0.000	0.000	0.000	0.000	0.023	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	9.800	-22.280	0.000	8.899	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	13.100	-22.206	0.000	8.902	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	16.400	-22.131	0.000	8.905	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	19.700	-22.056	0.000	8.908	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	23.000	-21.982	0.000	8.911	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	26.200	-21.907	0.000	8.915	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	29.500	-21.833	0.000	8.918	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	32.800	-21.758	0.000	8.921	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	36.100	-21.683	0.000	8.925	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	39.400	-21.609	0.000	8.929	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	42.700	-21.534	0.000	8.932	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	45.900	-21.460	0.000	8.936	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	49.200	-21.414	0.000	8.940	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	52.500	-21.422	0.000	8.944	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	55.800	-21.430	0.000	8.949	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	59.100	-21.439	0.000	8.953	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	62.300	-21.447	0.000	8.958	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	65.600	-21.454	0.000	8.962	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	68.900	-21.422	0.000	8.966	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	72.200	-21.385	0.000	8.969	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	75.500	-21.348	0.000	8.973	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	78.700	-21.311	0.000	8.977	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	82.000	-21.274	0.000	8.980	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	85.300	-21.237	0.000	8.984	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	88.600	-21.200	0.000	8.988	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	91.900	-21.163	0.000	8.991	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	95.100	-21.126	0.000	8.995	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	98.400	-21.089	0.000	8.999	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	101.700	-21.052	0.000	9.002	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	105.000	-21.015	0.000	9.006	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	108.300	-20.978	0.000	9.009	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	111.500	-20.941	0.000	9.013	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	114.800	-20.904	0.000	9.016	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	118.100	-20.867	0.000	9.020	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	121.400	-20.830	0.000	9.023	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	124.700	-20.793	0.000	9.027	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	128.000	-20.756	0.000	9.030	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	131.200	-20.719	0.000	9.034	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	134.500	-20.682	0.000	9.037	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	137.800	-20.644	0.000	9.040	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	141.100	-20.607	0.000	9.044	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	144.400	-20.570	0.000	9.047	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	147.600	-20.533	0.000	9.050	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	150.900	-20.496	0.000	9.054	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	154.200	-20.459	0.000	9.057	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	157.500	-20.422	0.000	9.060	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	160.800	-20.385	0.000	9.063	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	164.000	-20.348	0.000	9.066	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	167.300	-20.311	0.000	9.069	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	170.600	-20.274	0.000	9.072	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	173.900	-20.237	0.000	9.075	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	177.200	-20.200	0.000	9.078	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	180.400	-20.163	0.000	9.081	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	183.700	-20.126	0.000	9.084	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	187.000	-20.089	0.000	9.087	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	190.300	-20.052	0.000	9.090	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	193.600	-20.015	0.000	9.093	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	196.800	-19.978	0.000	9.096	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	200.100	-19.941	0.000	9.099	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	203.400	-19.904	0.000	9.101	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	206.700	-19.867	0.000	9.104	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	210.000	-19.830	0.000	9.107	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	213.300	-19.793	0.000	9.109	0.000	0.000	0.000	0.000	0.012	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	216.500	-19.752	0.000	9.112	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	219.800	-19.671	0.000	9.115	0.000	0.000	0.000	0.000	0.026	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	223.100	-19.578	0.000	9.117	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	226.400	-19.485	0.000	9.119	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	229.700	-19.392	0.000	9.121	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	232.900	-19.299	0.000	9.123	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	236.200	-19.206	0.000	9.125	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	239.500	-19.112	0.000	9.128	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	242.800	-19.019	0.000	9.130	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	246.100	-18.926	0.000	9.132	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	249.300	-18.833	0.000	9.134	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	252.600	-18.740	0.000	9.137	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	255.900	-18.647	0.000	9.139	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	259.200	-18.553	0.000	9.142	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	262.500	-18.460	0.000	9.144	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	265.700	-18.367	0.000	9.147	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	269.000	-18.274	0.000	9.149	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	272.300	-18.181	0.000	9.151	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	275.600	-18.088	0.000	9.154	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	278.900	-17.995	0.000	9.156	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	282.200	-17.901	0.000	9.159	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	285.400	-17.808	0.000	9.162	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	288.700	-17.715	0.000	9.165	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	292.000	-17.622	0.000	9.167	0.000	0.000	0.000	0.000	0.026	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	295.300	-17.542	0.000	9.170	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	298.600	-17.486	0.000	9.174	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	301.800	-17.430	0.000	9.177	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	305.100	-17.374	0.000	9.180	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	308.400	-17.318	0.000	9.183	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	311.700	-17.262	0.000	9.185	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	315.000	-17.206	0.000	9.188	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	318.200	-17.151	0.000	9.191	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	321.500	-17.095	0.000	9.193	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	324.800	-17.039	0.000	9.196	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	328.100	-16.983	0.000	9.199	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	331.400	-16.927	0.000	9.201	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	334.600	-16.871	0.000	9.204	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	337.900	-16.815	0.000	9.207	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	341.200	-16.760	0.000	9.209	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	344.500	-16.704	0.000	9.212	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	347.800	-16.648	0.000	9.214	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	351.000	-16.592	0.000	9.217	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	354.300	-16.536	0.000	9.220	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	357.600	-16.480	0.000	9.222	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	360.900	-16.449	0.000	9.225	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	364.200	-16.436	0.000	9.228	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	367.500	-16.423	0.000	9.231	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	370.700	-16.410	0.000	9.234	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	374.000	-16.398	0.000	9.237	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	377.300	-16.385	0.000	9.240	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	380.600	-16.372	0.000	9.243	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	383.900	-16.359	0.000	9.245	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	387.100	-16.346	0.000	9.248	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	390.400	-16.333	0.000	9.251	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	393.700	-16.321	0.000	9.253	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	397.000	-16.308	0.000	9.256	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	400.300	-16.295	0.000	9.259	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	403.500	-16.282	0.000	9.261	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	406.800	-16.269	0.000	9.264	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	410.100	-16.257	0.000	9.266	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	413.400	-16.244	0.000	9.268	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	416.700	-16.231	0.000	9.271	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	419.900	-16.218	0.000	9.273	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	423.200	-16.205	0.000	9.275	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	426.500	-16.192	0.000	9.278	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	429.800	-16.180	0.000	9.280	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	433.100	-16.167	0.000	9.282	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	436.400	-16.154	0.000	9.284	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	439.600	-16.141	0.000	9.286	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	442.900	-16.128	0.000	9.288	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	446.200	-16.115	0.000	9.290	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	449.500	-16.103	0.000	9.292	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	452.800	-16.090	0.000	9.294	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	456.000	-16.077	0.000	9.296	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	459.300	-16.064	0.000	9.299	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	462.600	-16.051	0.000	9.300	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	465.900	-16.039	0.000	9.302	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	469.200	-16.026	0.000	9.304	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	472.400	-16.013	0.000	9.306	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	475.700	-16.000	0.000	9.308	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	479.000	-15.987	0.000	9.310	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	482.300	-15.974	0.000	9.311	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	485.600	-15.962	0.000	9.313	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	488.800	-15.929	0.000	9.315	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	492.100	-15.868	0.000	9.316	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	495.400	-15.806	0.000	9.317	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	498.700	-15.750	0.000	9.319	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	502.000	-15.723	0.000	9.320	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	505.200	-15.701	0.000	9.322	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	508.500	-15.680	0.000	9.324	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	511.800	-15.658	0.000	9.325	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	515.100	-15.637	0.000	9.327	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	518.400	-15.615	0.000	9.328	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	521.700	-15.594	0.000	9.330	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	524.900	-15.572	0.000	9.332	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	528.200	-15.551	0.000	9.333	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	531.500	-15.531	0.000	9.335	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	534.800	-15.512	0.000	9.336	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	538.100	-15.493	0.000	9.338	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	541.300	-15.474	0.000	9.339	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	544.600	-15.455	0.000	9.341	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	547.900	-15.436	0.000	9.342	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	551.200	-15.417	0.000	9.344	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	554.500	-15.398	0.000	9.345	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	557.700	-15.379	0.000	9.347	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	561.000	-15.360	0.000	9.348	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	564.300	-15.341	0.000	9.349	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	567.600	-15.322	0.000	9.351	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	570.900	-15.303	0.000	9.352	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	574.100	-15.284	0.000	9.354	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	577.400	-15.265	0.000	9.355	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	580.700	-15.246	0.000	9.356	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	584.000	-15.228	0.000	9.358	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	587.300	-15.209	0.000	9.359	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	590.500	-15.190	0.000	9.360	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	593.800	-15.171	0.000	9.361	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	597.100	-15.152	0.000	9.363	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	600.400	-15.133	0.000	9.364	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	603.700	-15.114	0.000	9.366	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	607.000	-15.095	0.000	9.367	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	610.200	-15.076	0.000	9.368	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	613.500	-15.057	0.000	9.370	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	616.800	-15.038	0.000	9.371	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	620.100	-15.019	0.000	9.372	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	623.400	-15.000	0.000	9.373	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	626.600	-14.981	0.000	9.375	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	629.900	-14.962	0.000	9.376	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	633.200	-14.943	0.000	9.377	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	636.500	-14.924	0.000	9.379	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	639.800	-14.905	0.000	9.380	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	643.000	-14.886	0.000	9.381	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	646.300	-14.867	0.000	9.382	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	649.600	-14.848	0.000	9.384	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	652.900	-14.829	0.000	9.385	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	656.200	-14.810	0.000	9.386	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	659.400	-14.791	0.000	9.387	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	662.700	-14.772	0.000	9.389	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	666.000	-14.753	0.000	9.390	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	669.300	-14.735	0.000	9.391	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	672.600	-14.716	0.000	9.392	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	675.900	-14.697	0.000	9.393	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	679.100	-14.678	0.000	9.394	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	682.400	-14.659	0.000	9.396	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	685.700	-14.640	0.000	9.397	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	689.000	-14.621	0.000	9.398	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	692.300	-14.602	0.000	9.399	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	695.500	-14.583	0.000	9.401	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	698.800	-14.564	0.000	9.402	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	702.100	-14.545	0.000	9.403	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	705.400	-14.526	0.000	9.404	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	708.700	-14.507	0.000	9.406	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	711.900	-14.513	0.000	9.407	0.000	0.000	0.000	0.000	-0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	715.200	-14.537	0.000	9.408	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	718.500	-14.561	0.000	9.410	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	721.800	-14.585	0.000	9.411	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	725.100	-14.609	0.000	9.413	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	728.300	-14.633	0.000	9.414	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	731.600	-14.657	0.000	9.415	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	734.900	-14.681	0.000	9.417	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	738.200	-14.705	0.000	9.418	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	741.500	-14.729	0.000	9.419	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	744.700	-14.753	0.000	9.421	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	748.000	-14.777	0.000	9.422	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	751.300	-14.801	0.000	9.423	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	754.600	-14.824	0.000	9.424	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	757.900	-14.848	0.000	9.425	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	761.200	-14.872	0.000	9.427	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	764.400	-14.896	0.000	9.428	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	767.700	-14.920	0.000	9.429	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	771.000	-14.944	0.000	9.430	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	774.300	-14.968	0.000	9.431	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	777.600	-14.992	0.000	9.432	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	780.800	-15.016	0.000	9.433	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	784.100	-15.037	0.000	9.434	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	787.400	-14.981	0.000	9.435	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	790.700	-14.916	0.000	9.435	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	794.000	-14.851	0.000	9.435	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	797.200	-14.786	0.000	9.436	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	800.500	-14.720	0.000	9.436	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	803.800	-14.655	0.000	9.437	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	807.100	-14.590	0.000	9.437	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	810.400	-14.525	0.000	9.438	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	813.600	-14.460	0.000	9.438	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	816.900	-14.395	0.000	9.439	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	820.200	-14.330	0.000	9.439	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	823.500	-14.265	0.000	9.440	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	826.800	-14.200	0.000	9.440	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	830.100	-14.135	0.000	9.441	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	833.300	-14.070	0.000	9.441	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	836.600	-13.996	0.000	9.442	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	839.900	-13.884	0.000	9.442	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	843.200	-13.769	0.000	9.442	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	846.500	-13.655	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	849.700	-13.540	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	853.000	-13.426	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	856.300	-13.311	0.000	9.443	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	859.600	-13.197	0.000	9.444	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	862.900	-13.083	0.000	9.444	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	866.100	-12.968	0.000	9.445	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	869.400	-12.854	0.000	9.445	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	872.700	-12.739	0.000	9.446	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	876.000	-12.625	0.000	9.446	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	879.300	-12.510	0.000	9.447	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	882.500	-12.396	0.000	9.448	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	885.800	-12.282	0.000	9.448	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	889.100	-12.167	0.000	9.449	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	892.400	-12.053	0.000	9.450	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	895.700	-11.938	0.000	9.450	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	898.900	-11.824	0.000	9.451	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	902.200	-11.709	0.000	9.452	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	905.500	-11.595	0.000	9.453	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	908.800	-11.481	0.000	9.454	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	912.100	-11.366	0.000	9.455	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	915.400	-11.252	0.000	9.456	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	918.600	-11.137	0.000	9.457	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	921.900	-11.023	0.000	9.458	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	925.200	-10.908	0.000	9.459	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	928.500	-10.794	0.000	9.461	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	931.800	-10.680	0.000	9.462	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	935.000	-10.565	0.000	9.463	0.000	0.000	0.000	0.000	0.035	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	938.300	-10.451	0.000	9.465	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	941.600	-10.341	0.000	9.466	0.000	0.000	0.000	0.000	0.031	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	944.900	-10.245	0.000	9.468	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	948.200	-10.149	0.000	9.470	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	951.400	-10.054	0.000	9.471	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	954.700	-9.959	0.000	9.474	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	958.000	-9.864	0.000	9.475	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	961.300	-9.768	0.000	9.477	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	964.600	-9.673	0.000	9.479	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	967.800	-9.578	0.000	9.481	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	971.100	-9.482	0.000	9.483	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	974.400	-9.387	0.000	9.485	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	977.700	-9.292	0.000	9.487	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	981.000	-9.196	0.000	9.489	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	984.200	-9.101	0.000	9.491	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	987.500	-9.005	0.000	9.493	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	990.800	-8.910	0.000	9.495	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	994.100	-8.815	0.000	9.498	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	997.400	-8.719	0.000	9.500	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1000.700	-8.624	0.000	9.502	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1003.900	-8.528	0.000	9.504	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1007.200	-8.433	0.000	9.507	0.000	0.000	0.000	0.000	0.029	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1010.500	-8.339	0.000	9.509	0.000	0.000	0.000	0.000	0.027	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1013.800	-8.254	0.000	9.512	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1017.100	-8.173	0.000	9.514	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1020.300	-8.092	0.000	9.517	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1023.600	-8.011	0.000	9.519	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1026.900	-7.930	0.000	9.522	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1030.200	-7.849	0.000	9.524	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1033.500	-7.768	0.000	9.527	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1036.700	-7.688	0.000	9.529	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1040.000	-7.607	0.000	9.532	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1043.300	-7.526	0.000	9.535	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1046.600	-7.445	0.000	9.538	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1049.900	-7.364	0.000	9.540	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1053.100	-7.283	0.000	9.543	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1056.400	-7.202	0.000	9.546	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1059.700	-7.121	0.000	9.548	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1063.000	-7.041	0.000	9.551	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1066.300	-6.959	0.000	9.554	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1069.600	-6.879	0.000	9.557	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1072.800	-6.798	0.000	9.559	0.000	0.000	0.000	0.000	0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1076.100	-6.717	0.000	9.562	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1079.400	-6.637	0.000	9.565	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1082.700	-6.559	0.000	9.568	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1086.000	-6.480	0.000	9.571	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1089.200	-6.402	0.000	9.573	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1092.500	-6.323	0.000	9.576	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1095.800	-6.245	0.000	9.579	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1099.100	-6.166	0.000	9.582	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1102.400	-6.088	0.000	9.585	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1105.600	-6.009	0.000	9.588	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1108.900	-5.930	0.000	9.591	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1112.200	-5.852	0.000	9.593	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1115.500	-5.773	0.000	9.596	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1118.800	-5.695	0.000	9.599	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1122.000	-5.616	0.000	9.602	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1125.300	-5.541	0.000	9.605	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1128.600	-5.473	0.000	9.608	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1131.900	-5.406	0.000	9.611	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1135.200	-5.339	0.000	9.614	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1138.400	-5.271	0.000	9.617	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1141.700	-5.204	0.000	9.620	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1145.000	-5.136	0.000	9.623	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1148.300	-5.069	0.000	9.626	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1151.600	-5.002	0.000	9.629	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1154.900	-4.934	0.000	9.632	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1158.100	-4.867	0.000	9.635	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1161.400	-4.799	0.000	9.638	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1164.700	-4.732	0.000	9.641	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1168.000	-4.665	0.000	9.644	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1171.300	-4.597	0.000	9.646	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1174.500	-4.527	0.000	9.649	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1177.800	-4.456	0.000	9.652	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1181.100	-4.386	0.000	9.655	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1184.400	-4.315	0.000	9.658	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1187.700	-4.244	0.000	9.661	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1190.900	-4.174	0.000	9.664	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1194.200	-4.103	0.000	9.667	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1197.500	-4.032	0.000	9.670	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1200.800	-3.962	0.000	9.673	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1204.100	-3.891	0.000	9.676	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1207.300	-3.820	0.000	9.678	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1210.600	-3.750	0.000	9.681	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1213.900	-3.679	0.000	9.684	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1217.200	-3.629	0.000	9.688	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1220.500	-3.582	0.000	9.691	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1223.800	-3.535	0.000	9.694	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1227.000	-3.487	0.000	9.697	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1230.300	-3.440	0.000	9.700	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1233.600	-3.393	0.000	9.703	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1236.900	-3.345	0.000	9.706	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1240.200	-3.298	0.000	9.709	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1243.400	-3.251	0.000	9.712	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1246.700	-3.204	0.000	9.715	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1250.000	-3.157	0.000	9.717	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1253.300	-3.109	0.000	9.720	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1256.600	-3.062	0.000	9.723	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1259.800	-3.015	0.000	9.726	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1263.100	-2.967	0.000	9.728	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1266.400	-2.920	0.000	9.731	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1269.700	-2.873	0.000	9.734	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1273.000	-2.826	0.000	9.736	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1276.200	-2.778	0.000	9.739	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1279.500	-2.731	0.000	9.741	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1282.800	-2.684	0.000	9.744	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1286.100	-2.637	0.000	9.747	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1289.400	-2.589	0.000	9.749	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1292.600	-2.542	0.000	9.752	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1295.900	-2.495	0.000	9.754	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1299.200	-2.448	0.000	9.757	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1302.500	-2.400	0.000	9.759	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1305.800	-2.353	0.000	9.762	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1309.100	-2.306	0.000	9.764	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1312.300	-2.259	0.000	9.766	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1315.600	-2.211	0.000	9.769	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1318.900	-2.164	0.000	9.771	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1322.200	-2.117	0.000	9.774	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1325.500	-2.069	0.000	9.776	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1328.700	-2.022	0.000	9.778	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1332.000	-1.975	0.000	9.780	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1335.300	-1.928	0.000	9.783	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1338.600	-1.880	0.000	9.785	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1341.900	-1.833	0.000	9.787	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1345.100	-1.786	0.000	9.789	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1348.400	-1.739	0.000	9.792	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1351.700	-1.691	0.000	9.794	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1355.000	-1.644	0.000	9.796	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1358.300	-1.597	0.000	9.798	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1361.500	-1.549	0.000	9.800	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1364.800	-1.502	0.000	9.803	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1368.100	-1.455	0.000	9.805	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1371.400	-1.408	0.000	9.807	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1374.700	-1.360	0.000	9.809	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1377.900	-1.313	0.000	9.811	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1381.200	-1.266	0.000	9.814	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1384.500	-1.218	0.000	9.815	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1387.800	-1.168	0.000	9.818	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1391.100	-1.117	0.000	9.820	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1394.400	-1.065	0.000	9.821	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1397.600	-1.015	0.000	9.824	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1400.900	-0.965	0.000	9.826	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1404.200	-0.916	0.000	9.828	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1407.500	-0.867	0.000	9.830	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1410.800	-0.817	0.000	9.832	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1414.000	-0.768	0.000	9.834	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1417.300	-0.718	0.000	9.836	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1420.600	-0.669	0.000	9.838	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1423.900	-0.620	0.000	9.840	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1427.200	-0.570	0.000	9.842	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1430.400	-0.521	0.000	9.844	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1433.700	-0.471	0.000	9.846	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1437.000	-0.422	0.000	9.849	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1440.300	-0.373	0.000	9.851	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1443.600	-0.323	0.000	9.853	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1446.800	-0.314	0.000	9.855	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1450.100	-0.311	0.000	9.857	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1453.400	-0.308	0.000	9.860	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1456.700	-0.305	0.000	9.862	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1460.000	-0.301	0.000	9.864	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	1463.300	-0.298	0.000	9.866	0.000	0.000	0.000	0.000	0.050	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1466.500	0.023	0.000	9.865	0.000	0.000	0.000	0.000	0.058	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1469.800	0.076	0.000	9.867	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1473.100	0.129	0.000	9.869	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1476.400	0.182	0.000	9.871	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1479.700	0.235	0.000	9.873	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1482.900	0.288	0.000	9.875	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1486.200	0.340	0.000	9.877	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1489.500	0.393	0.000	9.879	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1492.800	0.446	0.000	9.881	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1496.100	0.499	0.000	9.883	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1499.300	0.552	0.000	9.885	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1502.600	0.605	0.000	9.887	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1505.900	0.658	0.000	9.889	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1509.200	0.716	0.000	9.891	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1512.500	0.774	0.000	9.893	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1515.700	0.831	0.000	9.896	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1519.000	0.889	0.000	9.897	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1522.300	0.947	0.000	9.899	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1525.600	1.004	0.000	9.901	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1528.900	1.062	0.000	9.904	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1532.100	1.120	0.000	9.906	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1535.400	1.177	0.000	9.908	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1538.700	1.235	0.000	9.910	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1542.000	1.293	0.000	9.912	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1545.300	1.350	0.000	9.914	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1548.600	1.412	0.000	9.916	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1551.800	1.474	0.000	9.918	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1555.100	1.535	0.000	9.920	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1558.400	1.597	0.000	9.922	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1561.700	1.659	0.000	9.924	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1565.000	1.721	0.000	9.927	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1568.200	1.783	0.000	9.929	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1571.500	1.845	0.000	9.931	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1574.800	1.906	0.000	9.933	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1578.100	1.968	0.000	9.935	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1581.400	2.030	0.000	9.937	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1584.600	2.092	0.000	9.939	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1587.900	2.154	0.000	9.942	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1591.200	2.216	0.000	9.944	0.000	0.000	0.000	0.000	0.026	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1594.500	2.323	0.000	9.946	0.000	0.000	0.000	0.000	0.052	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1597.800	2.555	0.000	9.946	0.000	0.000	0.000	0.000	0.072	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1601.000	2.788	0.000	9.947	0.000	0.000	0.000	0.000	0.072	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1604.300	3.020	0.000	9.948	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1607.600	3.253	0.000	9.949	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1610.900	3.485	0.000	9.952	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1614.200	3.718	0.000	9.955	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1617.500	3.950	0.000	9.958	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1620.700	4.160	0.000	9.963	0.000	0.000	0.000	0.000	0.058	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1624.000	4.328	0.000	9.969	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1627.300	4.496	0.000	9.976	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1630.600	4.663	0.000	9.984	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1633.900	4.831	0.000	9.992	0.000	0.000	0.000	0.000	0.052	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1637.100	4.998	0.000	10.001	0.000	0.000	0.000	0.000	0.052	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1640.400	5.166	0.000	10.010	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1643.700	5.333	0.000	10.019	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1647.000	5.501	0.000	10.030	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1650.300	5.669	0.000	10.040	0.000	0.000	0.000	0.000	0.052	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1653.500	5.836	0.000	10.052	0.000	0.000	0.000	0.000	0.057	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1656.800	6.039	0.000	10.063	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1660.100	6.302	0.000	10.074	0.000	0.000	0.000	0.000	0.080	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1663.400	6.566	0.000	10.087	0.000	0.000	0.000	0.000	0.080	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1666.700	6.829	0.000	10.103	0.000	0.000	0.000	0.000	0.081	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1669.900	7.092	0.000	10.121	0.000	0.000	0.000	0.000	0.081	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1673.200	7.356	0.000	10.146	0.000	0.000	0.000	0.000	0.080	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1676.500	7.618	0.000	10.179	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1679.800	7.879	0.000	10.216	0.000	0.000	0.000	0.000	0.079	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1683.100	8.140	0.000	10.254	0.000	0.000	0.000	0.000	0.080	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1686.300	8.401	0.000	10.287	0.000	0.000	0.000	0.000	-0.249	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1689.600	6.520	0.000	10.337	0.000	0.000	0.000	0.000	0.053	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1692.900	8.751	0.000	10.311	0.000	0.000	0.000	0.000	0.677	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1695.200	10.311	0.000	10.311	0.000	0.000	0.000	0.000	0.678	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
AS	1818.600	9.432	0.000	9.432	0.000	0.000	0.000	0.000	-0.171	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1821.600	8.920	0.000	9.432	0.000	0.000	0.000	0.000	-0.111	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1823.600	8.878	0.000	9.432	0.000	0.000	0.000	0.000	-0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1833.600	8.624	0.000	9.432	0.000	0.000	0.000	0.000	-0.054	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1845.600	7.701	0.000	9.432	0.000	0.000	0.000	0.000	-0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1847.600	7.627	0.000	9.432	0.000	0.000	0.000	0.000	0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1859.600	7.850	0.000	9.432	0.000	0.000	0.000	0.000	-0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1871.600	7.481	0.000	9.432	0.000	0.000	0.000	0.000	-0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1879.600	7.296	0.000	9.432	0.000	0.000	0.000	0.000	-0.032	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1891.600	6.843	0.000	9.432	0.000	0.000	0.000	0.000	-0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1899.600	6.889	0.000	9.432	0.000	0.000	0.000	0.000	-0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1911.600	6.768	0.000	9.432	0.000	0.000	0.000	0.000	-0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1929.600	6.291	0.000	9.432	0.000	0.000	0.000	0.000	-0.031	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1931.600	6.155	0.000	9.432	0.000	0.000	0.000	0.000	-0.011	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1965.600	5.889	0.000	9.432	0.000	0.000	0.000	0.000	-0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1967.600	5.872	0.000	9.432	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1987.600	6.001	0.000	9.432	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	1989.600	5.982	0.000	9.432	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2035.600	6.428	0.000	9.431	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2051.600	6.118	0.000	9.431	0.000	0.000	0.000	0.000	-0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2053.600	6.110	0.000	9.431	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2095.600	6.476	0.000	9.430	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2103.600	6.225	0.000	9.430	0.000	0.000	0.000	0.000	-0.027	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2121.600	5.777	0.000	9.430	0.000	0.000	0.000	0.000	-0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2137.600	5.895	0.000	9.429	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2153.600	5.870	0.000	9.429	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2155.600	5.867	0.000	9.429	0.000	0.000	0.000	0.000	-0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2177.600	5.450	0.000	9.429	0.000	0.000	0.000	0.000	-0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2179.600	5.423	0.000	9.429	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2197.600	5.547	0.000	9.429	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2201.600	5.517	0.000	9.429	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2225.600	5.815	0.000	9.430	0.000	0.000	0.000	0.000	0.012	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2227.600	5.823	0.000	9.430	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2259.600	6.444	0.000	9.432	0.000	0.000	0.000	0.000	-0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2275.600	5.785	0.000	9.432	0.000	0.000	0.000	0.000	-0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2277.600	5.804	0.000	9.432	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2297.600	6.002	0.000	9.433	0.000	0.000	0.000	0.000	-0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2305.600	5.695	0.000	9.433	0.000	0.000	0.000	0.000	-0.026	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2327.600	5.235	0.000	9.434	0.000	0.000	0.000	0.000	-0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2329.600	5.238	0.000	9.434	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2353.600	5.612	0.000	9.436	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2377.600	5.436	0.000	9.437	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2379.600	5.433	0.000	9.438	0.000	0.000	0.000	0.000	-0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2397.600	5.362	0.000	9.439	0.000	0.000	0.000	0.000	-0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2399.600	5.341	0.000	9.439	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2437.600	5.086	0.000	9.441	0.000	0.000	0.000	0.000	-0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2439.600	5.030	0.000	9.442	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2477.600	5.374	0.000	9.443	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2479.600	5.407	0.000	9.443	0.000	0.000	0.000	0.000	-0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2513.600	4.808	0.000	9.443	0.000	0.000	0.000	0.000	-0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2515.600	4.785	0.000	9.443	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2549.600	5.420	0.000	9.443	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2565.600	5.885	0.000	9.443	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2585.600	6.071	0.000	9.443	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2587.600	6.022	0.000	9.443	0.000	0.000	0.000	0.000	-0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2605.600	6.061	0.000	9.444	0.000	0.000	0.000	0.000	-0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2611.600	6.003	0.000	9.444	0.000	0.000	0.000	0.000	-0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2635.600	5.890	0.000	9.444	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2647.600	6.025	0.000	9.444	0.000	0.000	0.000	0.000	-0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2653.600	5.618	0.000	9.444	0.000	0.000	0.000	0.000	-0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2677.600	5.792	0.000	9.445	0.000	0.000	0.000	0.000	0.012	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2693.600	6.091	0.000	9.445	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2695.600	6.090	0.000	9.445	0.000	0.000	0.000	0.000	-0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2717.600	5.946	0.000	9.445	0.000	0.000	0.000	0.000	-0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2719.600	5.891	0.000	9.445	0.000	0.000	0.000	0.000	-0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2735.600	5.783	0.000	9.445	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2761.600	5.920	0.000	9.446	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2763.600	5.840	0.000	9.446	0.000	0.000	0.000	0.000	0.000	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2781.600	5.918	0.000	9.446	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2783.600	5.933	0.000	9.446	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2803.600	6.002	0.000	9.447	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2805.600	6.020	0.000	9.447	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2827.600	6.155	0.000	9.447	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2845.600	6.265	0.000	9.448	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2855.600	6.250	0.000	9.448	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2873.600	6.174	0.000	9.448	0.000	0.000	0.000	0.000	-0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2875.600	6.162	0.000	9.448	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2895.600	6.368	0.000	9.448	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2899.600	6.353	0.000	9.448	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2923.600	6.288	0.000	9.448	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2925.600	6.298	0.000	9.448	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2949.600	6.701	0.000	9.448	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2971.600	6.738	0.000	9.448	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2973.600	6.733	0.000	9.448	0.000	0.000	0.000	0.000	-0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2987.600	6.654	0.000	9.448	0.000	0.000	0.000	0.000	-0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	2991.600	6.665	0.000	9.448	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3005.600	6.700	0.000	9.448	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3007.600	6.690	0.000	9.448	0.000	0.000	0.000	0.000	0.040	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3021.600	7.334	0.000	9.448	0.000	0.000	0.000	0.000	0.041	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3037.600	7.924	0.000	9.448	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3039.600	7.951	0.000	9.448	0.000	0.000	0.000	0.000	0.021	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3051.600	8.224	0.000	9.448	0.000	0.000	0.000	0.000	-0.012	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3059.600	7.714	0.000	9.447	0.000	0.000	0.000	0.000	-0.048	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3075.600	7.061	0.000	9.447	0.000	0.000	0.000	0.000	-0.038	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3077.600	7.038	0.000	9.446	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3099.600	7.478	0.000	9.446	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3101.600	7.431	0.000	9.446	0.000	0.000	0.000	0.000	-0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3125.600	6.623	0.000	9.444	0.000	0.000	0.000	0.000	-0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3127.600	6.487	0.000	9.444	0.000	0.000	0.000	0.000	0.000	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3143.600	6.624	0.000	9.444	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3145.600	6.649	0.000	9.444	0.000	0.000	0.000	0.000	0.032	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3163.600	7.260	0.000	9.443	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3193.600	8.217	0.000	9.442	0.000	0.000	0.000	0.000	0.032	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3195.600	8.272	0.000	9.442	0.000	0.000	0.000	0.000	0.055	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3209.600	9.100	0.000	9.442	0.000	0.000	0.000	0.000	0.059	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3211.600	9.221	0.000	9.442	0.000	0.000	0.000	0.000	0.058	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3215.500	9.442	0.000	9.442	0.000	0.000	0.000	0.000	0.057	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
AS	3627.400	9.438	0.000	9.438	0.000	0.000	0.000	0.000	-0.049	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	3629.600	9.330	0.000	9.438	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5187.600	4.276	0.000	9.439	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5191.600	4.307	0.000	9.439	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5371.600	4.838	0.000	9.442	0.000	0.000	0.000	0.000	0.000	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5375.600	4.252	0.000	9.442	0.000	0.000	0.000	0.000	0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5467.600	5.552	0.000	9.444	0.000	0.000	0.000	0.000	0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5487.600	5.743	0.000	9.445	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5491.600	5.787	0.000	9.445	0.000	0.000	0.000	0.000	0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5553.600	5.924	0.000	9.446	0.000	0.000	0.000	0.000	0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5569.600	5.861	0.000	9.447	0.000	0.000	0.000	0.000	-0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5571.600	5.842	0.000	9.447	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5623.600	6.294	0.000	9.467	0.000	0.000	0.000	0.000	0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5625.600	6.299	0.000	9.468	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5659.600	6.217	0.000	9.494	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5663.600	6.190	0.000	9.498	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5683.600	6.045	0.000	9.522	0.000	0.000	0.000	0.000	-0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5693.600	5.782	0.000	9.534	0.000	0.000	0.000	0.000	-0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5701.600	5.799	0.000	9.544	0.000	0.000	0.000	0.000	-0.009	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5721.600	5.541	0.000	9.568	0.000	0.000	0.000	0.000	-0.012	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5723.600	5.530	0.000	9.570	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5781.600	5.786	0.000	9.639	0.000	0.000	0.000	0.000	0.004	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5783.600	5.763	0.000	9.642	0.000	0.000	0.000	0.000	-0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5809.600	5.739	0.000	9.646	0.000	0.000	0.000	0.000	-0.001	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5811.600	5.731	0.000	9.646	0.000	0.000	0.000	0.000	0.014	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5837.600	6.137	0.000	9.646	0.000	0.000	0.000	0.000	0.015	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5839.600	6.155	0.000	9.646	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5869.600	6.690	0.000	9.646	0.000	0.000	0.000	0.000	0.024	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5877.600	7.087	0.000	9.646	0.000	0.000	0.000	0.000	-0.027	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5891.600	6.103	0.000	9.646	0.000	0.000	0.000	0.000	-0.076	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5895.600	5.725	0.000	9.646	0.000	0.000	0.000	0.000	-0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5913.600	4.609	0.000	9.646	0.000	0.000	0.000	0.000	-0.049	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5921.600	4.441	0.000	9.646	0.000	0.000	0.000	0.000	-0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5939.600	4.353	0.000	9.646	0.000	0.000	0.000	0.000	-0.054	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5991.600	0.641	0.000	9.647	0.000	0.000	0.000	0.000	-0.073	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	5993.600	0.421	0.000	9.647	0.000	0.000	0.000	0.000	0.030	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6079.600	3.259	0.000	9.648	0.000	0.000	0.000	0.000	0.032	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6081.600	3.247	0.000	9.648	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6111.600	3.772	0.000	9.648	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6113.600	3.762	0.000	9.648	0.000	0.000	0.000	0.000	0.018	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6139.600	4.267	0.000	9.648	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6141.600	4.243	0.000	9.648	0.000	0.000	0.000	0.000	0.098	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6175.600	7.782	0.000	9.648	0.000	0.000	0.000	0.000	0.073	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6185.600	7.474	0.000	9.648	0.000	0.000	0.000	0.000	-0.025	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6191.600	7.376	0.000	9.648	0.000	0.000	0.000	0.000	-0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6201.600	7.340	0.000	9.648	0.000	0.000	0.000	0.000	0.006	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6209.600	7.477	0.000	9.648	0.000	0.000	0.000	0.000	0.023	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6231.600	8.023	0.000	9.648	0.000	0.000	0.000	0.000	0.020	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6233.600	7.962	0.000	9.648	0.000	0.000	0.000	0.000	0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6247.600	8.099	0.000	9.648	0.000	0.000	0.000	0.000	0.002	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6255.600	7.995	0.000	9.648	0.000	0.000	0.000	0.000	-0.012	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6271.600	7.812	0.000	9.648	0.000	0.000	0.000	0.000	-0.013	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6273.600	7.760	0.000	9.648	0.000	0.000	0.000	0.000	0.010	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6313.600	8.245	0.000	9.648	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6315.600	8.096	0.000	9.648	0.000	0.000	0.000	0.000	-0.007	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6331.600	8.111	0.000	9.648	0.000	0.000	0.000	0.000	0.000	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6333.600	8.090	0.000	9.648	0.000	0.000	0.000	0.000	-0.005	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6347.600	8.022	0.000	9.648	0.000	0.000	0.000	0.000	-0.003	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6349.600	8.038	0.000	9.648	0.000	0.000	0.000	0.000	0.017	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6391.600	8.765	0.000	9.648	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6409.600	9.186	0.000	9.648	0.000	0.000	0.000	0.000	0.019	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6411.600	9.153	0.000	9.648	0.000	0.000	0.000	0.000	0.016	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6427.600	9.481	0.000	9.648	0.000	0.000	0.000	0.000	0.022	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6429.600	9.541	0.000	9.648	0.000	0.000	0.000	0.000	0.028	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	6433.500	9.648	0.000	9.648	0.000	0.000	0.000	0.000	0.027	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	23.34	14.03	25.23
OF	3.30	23.29	14.03	25.19
OF	6.60	23.23	14.03	25.16
OF	9.80	23.18	14.03	25.13
OF	13.10	23.13	14.03	25.10
OF	16.40	23.08	14.03	25.06
OF	19.70	23.03	14.03	25.03
OF	23.00	22.98	14.03	25.00
OF	26.20	22.93	14.03	24.97
OF	29.50	22.88	14.03	24.93
OF	32.80	22.83	14.03	24.90
OF	36.10	22.78	14.03	24.87
OF	39.40	22.73	14.03	24.84
OF	42.70	22.68	14.03	24.81
OF	45.90	22.63	14.03	24.78
OF	49.20	22.60	14.03	24.76
OF	52.50	22.60	14.03	24.76
OF	55.80	22.59	14.03	24.76
OF	59.10	22.59	14.03	24.77
OF	62.30	22.59	14.03	24.77
OF	65.60	22.59	14.03	24.77
OF	68.90	22.59	14.03	24.78
OF	72.20	22.60	14.03	24.79
OF	75.50	22.57	14.03	24.78
OF	78.70	22.55	14.03	24.76
OF	82.00	22.53	14.03	24.75
OF	85.30	22.50	14.03	24.74
OF	88.60	22.48	14.03	24.72
OF	91.90	22.46	14.03	24.71
OF	95.10	22.43	14.03	24.70
OF	98.40	22.41	14.03	24.69
OF	101.70	22.39	14.03	24.67
OF	105.00	22.36	14.03	24.66
OF	108.30	22.34	14.03	24.65
OF	111.50	22.31	14.03	24.63
OF	114.80	22.29	14.03	24.62
OF	118.10	22.27	14.03	24.61
OF	121.40	22.24	14.03	24.59
OF	124.70	22.22	14.03	24.58
OF	128.00	22.19	14.03	24.57
OF	131.20	22.17	14.03	24.55
OF	134.50	22.15	14.03	24.54
OF	137.80	22.12	14.03	24.53
OF	141.10	22.10	14.03	24.51
OF	144.40	22.07	14.03	24.50
OF	147.60	22.05	14.03	24.49
OF	150.90	22.03	14.03	24.47
OF	154.20	22.00	14.03	24.46
OF	157.50	21.98	14.03	24.44
OF	160.80	21.95	14.03	24.43
OF	164.00	21.93	14.03	24.42
OF	167.30	21.91	14.03	24.40
OF	170.60	21.88	14.03	24.39
OF	173.90	21.86	14.03	24.37
OF	177.20	21.83	14.03	24.36
OF	180.40	21.81	14.03	24.35
OF	183.70	21.78	14.03	24.33
OF	187.00	21.76	14.03	24.32
OF	190.30	21.74	14.03	24.31
OF	193.60	21.71	14.03	24.29
OF	196.80	21.69	14.03	24.28
OF	200.10	21.66	14.03	24.26
OF	203.40	21.64	14.03	24.25
OF	206.70	21.61	14.03	24.23
OF	210.00	21.59	14.03	24.22
OF	213.30	21.56	14.03	24.20
OF	216.50	21.54	14.03	24.19
OF	219.80	21.48	14.03	24.15
OF	223.10	21.42	14.03	24.11
OF	226.40	21.35	14.03	24.07
OF	229.70	21.29	14.03	24.02
OF	232.90	21.22	14.03	23.98
OF	236.20	21.16	14.03	23.94
OF	239.50	21.09	14.03	23.89
OF	242.80	21.03	14.03	23.85
OF	246.10	20.96	14.03	23.81
OF	249.30	20.90	14.03	23.76

OF	252.60	20.83	14.03	23.72
OF	255.90	20.77	14.03	23.68
OF	259.20	20.70	14.03	23.63
OF	262.50	20.64	14.03	23.59
OF	265.70	20.57	14.03	23.55
OF	269.00	20.51	14.03	23.50
OF	272.30	20.44	14.03	23.46
OF	275.60	20.38	14.03	23.42
OF	278.90	20.31	14.03	23.37
OF	282.20	20.25	14.03	23.33
OF	285.40	20.18	14.03	23.29
OF	288.70	20.12	14.03	23.25
OF	292.00	20.05	14.03	23.20
OF	295.30	20.00	14.03	23.17
OF	298.60	19.96	14.03	23.15
OF	301.80	19.92	14.03	23.12
OF	305.10	19.88	14.03	23.10
OF	308.40	19.85	14.03	23.07
OF	311.70	19.81	14.03	23.05
OF	315.00	19.77	14.03	23.03
OF	318.20	19.73	14.03	23.00
OF	321.50	19.69	14.03	22.98
OF	324.80	19.65	14.03	22.95
OF	328.10	19.62	14.03	22.93
OF	331.40	19.58	14.03	22.91
OF	334.60	19.54	14.03	22.88
OF	337.90	19.50	14.03	22.86
OF	341.20	19.46	14.03	22.83
OF	344.50	19.42	14.03	22.81
OF	347.80	19.39	14.03	22.78
OF	351.00	19.35	14.03	22.76
OF	354.30	19.31	14.03	22.74
OF	357.60	19.27	14.03	22.71
OF	360.90	19.25	14.03	22.70
OF	364.20	19.24	14.03	22.70
OF	367.50	19.24	14.03	22.70
OF	370.70	19.23	14.03	22.69
OF	374.00	19.22	14.03	22.69
OF	377.30	19.22	14.03	22.69
OF	380.60	19.21	14.03	22.69
OF	383.90	19.20	14.03	22.69
OF	387.10	19.19	14.03	22.68
OF	390.40	19.19	14.03	22.68
OF	393.70	19.18	14.03	22.68
OF	397.00	19.17	14.03	22.68
OF	400.30	19.16	14.03	22.67
OF	403.50	19.16	14.03	22.67
OF	406.80	19.15	14.03	22.67
OF	410.10	19.14	14.03	22.67
OF	413.40	19.13	14.03	22.66
OF	416.70	19.13	14.03	22.66
OF	419.90	19.12	14.03	22.66
OF	423.20	19.11	14.03	22.65
OF	426.50	19.10	14.03	22.65
OF	429.80	19.10	14.03	22.65
OF	433.10	19.09	14.03	22.64
OF	436.40	19.08	14.03	22.64
OF	439.60	19.07	14.03	22.64
OF	442.90	19.06	14.03	22.63
OF	446.20	19.06	14.03	22.63
OF	449.50	19.05	14.03	22.63
OF	452.80	19.04	14.03	22.62
OF	456.00	19.03	14.03	22.62
OF	459.30	19.03	14.03	22.62
OF	462.60	19.02	14.03	22.61
OF	465.90	19.01	14.03	22.61
OF	469.20	19.00	14.03	22.61
OF	472.40	18.99	14.03	22.60
OF	475.70	18.99	14.03	22.60
OF	479.00	18.98	14.03	22.60
OF	482.30	18.97	14.03	22.59
OF	485.60	18.96	14.03	22.59
OF	488.80	18.94	14.03	22.57
OF	492.10	18.90	14.03	22.54
OF	495.40	18.85	14.03	22.51
OF	498.70	18.81	14.03	22.49
OF	502.00	18.80	14.03	22.48
OF	505.20	18.78	14.03	22.47
OF	508.50	18.77	14.03	22.46
OF	511.80	18.75	14.03	22.45
OF	515.10	18.74	14.03	22.44
OF	518.40	18.72	14.03	22.43
OF	521.70	18.71	14.03	22.43
OF	524.90	18.70	14.03	22.42
OF	528.20	18.68	14.03	22.41
OF	531.50	18.67	14.03	22.40
OF	534.80	18.65	14.03	22.39
OF	538.10	18.64	14.03	22.39
OF	541.30	18.63	14.03	22.38
OF	544.60	18.62	14.03	22.37
OF	547.90	18.60	14.03	22.36
OF	551.20	18.59	14.03	22.36
OF	554.50	18.58	14.03	22.35
OF	557.70	18.57	14.03	22.34
OF	561.00	18.55	14.03	22.34
OF	564.30	18.54	14.03	22.33
OF	567.60	18.53	14.03	22.32
OF	570.90	18.52	14.03	22.31
OF	574.10	18.50	14.03	22.31
OF	577.40	18.49	14.03	22.30
OF	580.70	18.48	14.03	22.29
OF	584.00	18.47	14.03	22.28

OF	587.30	18.45	14.03	22.28
OF	590.50	18.44	14.03	22.27
OF	593.80	18.43	14.03	22.26
OF	597.10	18.41	14.03	22.25
OF	600.40	18.40	14.03	22.24
OF	603.70	18.39	14.03	22.24
OF	607.00	18.38	14.03	22.23
OF	610.20	18.36	14.03	22.22
OF	613.50	18.35	14.03	22.22
OF	616.80	18.34	14.03	22.21
OF	620.10	18.32	14.03	22.20
OF	623.40	18.31	14.03	22.19
OF	626.60	18.30	14.03	22.18
OF	629.90	18.29	14.03	22.18
OF	633.20	18.27	14.03	22.17
OF	636.50	18.26	14.03	22.16
OF	639.80	18.25	14.03	22.15
OF	643.00	18.23	14.03	22.15
OF	646.30	18.22	14.03	22.14
OF	649.60	18.21	14.03	22.13
OF	652.90	18.20	14.03	22.12
OF	656.20	18.18	14.03	22.11
OF	659.40	18.17	14.03	22.11
OF	662.70	18.16	14.03	22.10
OF	666.00	18.14	14.03	22.09
OF	669.30	18.13	14.03	22.08
OF	672.60	18.12	14.03	22.08
OF	675.90	18.11	14.03	22.07
OF	679.10	18.09	14.03	22.06
OF	682.40	18.08	14.03	22.05
OF	685.70	18.07	14.03	22.04
OF	689.00	18.06	14.03	22.04
OF	692.30	18.04	14.03	22.03
OF	695.50	18.03	14.03	22.02
OF	698.80	18.02	14.03	22.01
OF	702.10	18.00	14.03	22.01
OF	705.40	17.99	14.03	22.00
OF	708.70	17.98	14.03	21.99
OF	711.90	17.98	14.03	21.99
OF	715.20	17.97	14.03	21.99
OF	718.50	17.97	14.03	21.99
OF	721.80	17.96	14.03	21.99
OF	725.10	17.96	14.03	21.98
OF	728.30	17.95	14.03	21.98
OF	731.60	17.95	14.03	21.98
OF	734.90	17.94	14.03	21.98
OF	738.20	17.94	14.03	21.98
OF	741.50	17.94	14.03	21.97
OF	744.70	17.94	14.03	21.98
OF	748.00	17.95	14.03	21.98
OF	751.30	17.96	14.03	21.99
OF	754.60	17.96	14.03	22.00
OF	757.90	17.97	14.03	22.01
OF	761.20	17.98	14.03	22.01
OF	764.40	17.99	14.03	22.02
OF	767.70	18.00	14.03	22.03
OF	771.00	18.01	14.03	22.04
OF	774.30	18.02	14.03	22.04
OF	777.60	18.03	14.03	22.05
OF	780.80	18.04	14.03	22.06
OF	784.10	18.04	14.03	22.06
OF	787.40	18.04	14.03	22.06
OF	790.70	18.03	14.03	22.05
OF	794.00	18.02	14.03	22.05
OF	797.20	18.03	14.03	22.06
OF	800.50	18.04	14.03	22.06
OF	803.80	18.05	14.03	22.07
OF	807.10	18.06	14.03	22.08
OF	810.40	18.01	14.03	22.05
OF	813.60	17.97	14.03	22.02
OF	816.90	17.92	14.03	21.98
OF	820.20	17.87	14.03	21.95
OF	823.50	17.83	14.03	21.92
OF	826.80	17.78	14.03	21.89
OF	830.10	17.73	14.03	21.85
OF	833.30	17.69	14.03	21.82
OF	836.60	17.63	14.03	21.79
OF	839.90	17.55	14.03	21.73
OF	843.20	17.47	14.03	21.67
OF	846.50	17.39	14.03	21.61
OF	849.70	17.30	14.03	21.56
OF	853.00	17.22	14.03	21.50
OF	856.30	17.14	14.03	21.44
OF	859.60	17.05	14.03	21.38
OF	862.90	16.97	14.03	21.32
OF	866.10	16.89	14.03	21.27
OF	869.40	16.81	14.03	21.21
OF	872.70	16.72	14.03	21.15
OF	876.00	16.64	14.03	21.09
OF	879.30	16.56	14.03	21.04
OF	882.50	16.47	14.03	20.98
OF	885.80	16.39	14.03	20.92
OF	889.10	16.31	14.03	20.86
OF	892.40	16.23	14.03	20.81
OF	895.70	16.14	14.03	20.75
OF	898.90	16.06	14.03	20.69
OF	902.20	15.98	14.03	20.64
OF	905.50	15.89	14.03	20.58
OF	908.80	15.81	14.03	20.52
OF	912.10	15.73	14.03	20.46
OF	915.40	15.64	14.03	20.41
OF	918.60	15.56	14.03	20.35

OF	921.90	15.48	14.03	20.29
OF	925.20	15.40	14.03	20.24
OF	928.50	15.31	14.03	20.18
OF	931.80	15.23	14.03	20.12
OF	935.00	15.15	14.03	20.07
OF	938.30	15.06	14.03	20.01
OF	941.60	14.98	14.03	19.96
OF	944.90	14.92	14.03	19.91
OF	948.20	14.85	14.03	19.86
OF	951.40	14.78	14.03	19.82
OF	954.70	14.71	14.03	19.77
OF	958.00	14.64	14.03	19.72
OF	961.30	14.57	14.03	19.68
OF	964.60	14.50	14.03	19.63
OF	967.80	14.44	14.03	19.59
OF	971.10	14.37	14.03	19.54
OF	974.40	14.30	14.03	19.49
OF	977.70	14.23	14.03	19.45
OF	981.00	14.16	14.03	19.40
OF	984.20	14.09	14.03	19.36
OF	987.50	14.02	14.03	19.31
OF	990.80	13.95	14.03	19.26
OF	994.10	13.89	14.03	19.22
OF	997.40	13.82	14.03	19.17
OF	1000.70	13.75	14.03	19.13
OF	1003.90	13.68	14.03	19.08
OF	1007.20	13.61	14.03	19.03
OF	1010.50	13.54	14.03	18.99
OF	1013.80	13.48	14.03	18.95
OF	1017.10	13.42	14.03	18.91
OF	1020.30	13.37	14.03	18.87
OF	1023.60	13.31	14.03	18.83
OF	1026.90	13.25	14.03	18.80
OF	1030.20	13.19	14.03	18.76
OF	1033.50	13.13	14.03	18.72
OF	1036.70	13.08	14.03	18.68
OF	1040.00	13.02	14.03	18.65
OF	1043.30	12.96	14.03	18.61
OF	1046.60	12.90	14.03	18.57
OF	1049.90	12.85	14.03	18.53
OF	1053.10	12.79	14.03	18.49
OF	1056.40	12.73	14.03	18.46
OF	1059.70	12.67	14.03	18.42
OF	1063.00	12.61	14.03	18.38
OF	1066.30	12.56	14.03	18.34
OF	1069.60	12.50	14.03	18.31
OF	1072.80	12.44	14.03	18.27
OF	1076.10	12.38	14.03	18.23
OF	1079.40	12.33	14.03	18.19
OF	1082.70	12.27	14.03	18.16
OF	1086.00	12.21	14.03	18.12
OF	1089.20	12.16	14.03	18.08
OF	1092.50	12.10	14.03	18.05
OF	1095.80	12.04	14.03	18.01
OF	1099.10	11.99	14.03	17.97
OF	1102.40	11.93	14.03	17.94
OF	1105.60	11.88	14.03	17.90
OF	1108.90	11.82	14.03	17.86
OF	1112.20	11.76	14.03	17.83
OF	1115.50	11.71	14.03	17.79
OF	1118.80	11.65	14.03	17.75
OF	1122.00	11.59	14.03	17.72
OF	1125.30	11.54	14.03	17.68
OF	1128.60	11.49	14.03	17.65
OF	1131.90	11.44	14.03	17.62
OF	1135.20	11.40	14.03	17.59
OF	1138.40	11.35	14.03	17.56
OF	1141.70	11.30	14.03	17.53
OF	1145.00	11.25	14.03	17.50
OF	1148.30	11.20	14.03	17.47
OF	1151.60	11.16	14.03	17.44
OF	1154.90	11.11	14.03	17.41
OF	1158.10	11.06	14.03	17.38
OF	1161.40	11.01	14.03	17.35
OF	1164.70	10.96	14.03	17.32
OF	1168.00	10.92	14.03	17.29
OF	1171.30	10.87	14.03	17.25
OF	1174.50	10.82	14.03	17.22
OF	1177.80	10.77	14.03	17.19
OF	1181.10	10.72	14.03	17.16
OF	1184.40	10.67	14.03	17.12
OF	1187.70	10.61	14.03	17.09
OF	1190.90	10.56	14.03	17.06
OF	1194.20	10.51	14.03	17.03
OF	1197.50	10.46	14.03	16.99
OF	1200.80	10.41	14.03	16.96
OF	1204.10	10.36	14.03	16.93
OF	1207.30	10.31	14.03	16.90
OF	1210.60	10.26	14.03	16.86
OF	1213.90	10.21	14.03	16.83
OF	1217.20	10.18	14.03	16.81
OF	1220.50	10.14	14.03	16.79
OF	1223.80	10.11	14.03	16.77
OF	1227.00	10.08	14.03	16.75
OF	1230.30	10.04	14.03	16.73
OF	1233.60	10.01	14.03	16.71
OF	1236.90	9.98	14.03	16.69
OF	1240.20	9.94	14.03	16.67
OF	1243.40	9.91	14.03	16.65
OF	1246.70	9.88	14.03	16.63
OF	1250.00	9.84	14.03	16.61
OF	1253.30	9.81	14.03	16.59

OF	1256.60	9.78	14.03	16.57
OF	1259.80	9.74	14.03	16.55
OF	1263.10	9.71	14.03	16.52
OF	1266.40	9.68	14.03	16.50
OF	1269.70	9.64	14.03	16.48
OF	1273.00	9.61	14.03	16.46
OF	1276.20	9.58	14.03	16.44
OF	1279.50	9.54	14.03	16.42
OF	1282.80	9.51	14.03	16.40
OF	1286.10	9.48	14.03	16.38
OF	1289.40	9.44	14.03	16.36
OF	1292.60	9.41	14.03	16.34
OF	1295.90	9.37	14.03	16.32
OF	1299.20	9.34	14.03	16.30
OF	1302.50	9.31	14.03	16.27
OF	1305.80	9.27	14.03	16.25
OF	1309.10	9.24	14.03	16.23
OF	1312.30	9.21	14.03	16.21
OF	1315.60	9.17	14.03	16.19
OF	1318.90	9.14	14.03	16.17
OF	1322.20	9.11	14.03	16.15
OF	1325.50	9.07	14.03	16.13
OF	1328.70	9.04	14.03	16.10
OF	1332.00	9.00	14.03	16.08
OF	1335.30	8.97	14.03	16.06
OF	1338.60	8.94	14.03	16.04
OF	1341.90	8.90	14.03	16.02
OF	1345.10	8.87	14.03	16.00
OF	1348.40	8.83	14.03	15.98
OF	1351.70	8.80	14.03	15.95
OF	1355.00	8.77	14.03	15.93
OF	1358.30	8.73	14.03	15.91
OF	1361.50	8.70	14.03	15.89
OF	1364.80	8.66	14.03	15.87
OF	1368.10	8.63	14.03	15.85
OF	1371.40	8.60	14.03	15.82
OF	1374.70	8.56	14.03	15.80
OF	1377.90	8.53	14.03	15.78
OF	1381.20	8.50	14.03	15.76
OF	1384.50	8.46	14.03	15.74
OF	1387.80	8.42	14.03	15.72
OF	1391.10	8.39	14.03	15.69
OF	1394.40	8.35	14.03	15.67
OF	1397.60	8.31	14.03	15.64
OF	1400.90	8.28	14.03	15.62
OF	1404.20	8.24	14.03	15.60
OF	1407.50	8.21	14.03	15.57
OF	1410.80	8.17	14.03	15.55
OF	1414.00	8.13	14.03	15.53
OF	1417.30	8.10	14.03	15.50
OF	1420.60	8.06	14.03	15.48
OF	1423.90	8.03	14.03	15.46
OF	1427.20	7.99	14.03	15.44
OF	1430.40	7.96	14.03	15.41
OF	1433.70	7.92	14.03	15.39
OF	1437.00	7.88	14.03	15.37
OF	1440.30	7.85	14.03	15.35
OF	1443.60	7.81	14.03	15.32
OF	1446.80	7.81	14.03	15.32
OF	1450.10	7.81	14.03	15.32
OF	1453.40	7.81	14.03	15.32
OF	1456.70	7.81	14.03	15.33
OF	1460.00	7.80	14.03	15.33
OF	1463.30	7.80	14.03	15.33
IF	1466.50	7.56	14.03	15.16
IF	1469.80	7.52	14.03	15.13
IF	1473.10	7.48	14.03	15.11
IF	1476.40	7.44	14.03	15.08
IF	1479.70	7.41	14.03	15.06
IF	1482.90	7.37	14.03	15.03
IF	1486.20	7.33	14.03	15.01
IF	1489.50	7.29	14.03	14.98
IF	1492.80	7.25	14.03	14.96
IF	1496.10	7.21	14.03	14.93
IF	1499.30	7.17	14.03	14.91
IF	1502.60	7.14	14.03	14.88
IF	1505.90	7.10	14.03	14.86
IF	1509.20	7.06	14.03	14.83
IF	1512.50	7.01	14.03	14.80
IF	1515.70	6.97	14.03	14.78
IF	1519.00	6.93	14.03	14.75
IF	1522.30	6.89	14.03	14.72
IF	1525.60	6.84	14.03	14.69
IF	1528.90	6.80	14.03	14.67
IF	1532.10	6.76	14.03	14.64
IF	1535.40	6.72	14.03	14.61
IF	1538.70	6.68	14.03	14.58
IF	1542.00	6.63	14.03	14.56
IF	1545.30	6.59	14.03	14.53
IF	1548.60	6.55	14.03	14.50
IF	1551.80	6.50	14.03	14.47
IF	1555.10	6.46	14.03	14.44
IF	1558.40	6.41	14.03	14.41
IF	1561.70	6.36	14.03	14.38
IF	1565.00	6.32	14.03	14.35
IF	1568.20	6.27	14.03	14.32
IF	1571.50	6.23	14.03	14.29
IF	1574.80	6.18	14.03	14.26
IF	1578.10	6.14	14.03	14.23
IF	1581.40	6.09	14.03	14.20
IF	1584.60	6.05	14.03	14.17
IF	1587.90	6.00	14.03	14.14

IF	1591.20	5.96	14.03	14.11
IF	1594.50	5.88	14.03	14.06
IF	1597.80	5.70	14.03	13.94
IF	1601.00	5.52	14.03	13.81
IF	1604.30	5.35	14.03	13.69
IF	1607.60	5.17	14.03	13.57
IF	1610.90	4.99	14.03	13.45
IF	1614.20	4.82	14.03	13.33
IF	1617.50	4.64	14.03	13.21
IF	1620.70	4.49	14.03	13.10
IF	1624.00	4.36	14.03	13.02
IF	1627.30	4.24	14.03	12.94
IF	1630.60	4.12	14.03	12.87
IF	1633.90	3.99	14.03	12.79
IF	1637.10	3.87	14.03	12.71
IF	1640.40	3.75	14.03	12.63
IF	1643.70	3.63	14.03	12.56
IF	1647.00	3.51	14.03	12.49
IF	1650.30	3.39	14.03	12.41
IF	1653.50	3.27	14.03	12.34
IF	1656.80	3.12	14.03	12.25
IF	1660.10	2.92	14.03	12.12
IF	1663.40	2.73	14.03	12.00
IF	1666.70	2.54	14.03	11.88
IF	1669.90	2.35	14.03	11.77
IF	1673.20	2.17	14.03	11.66
IF	1676.50	1.99	14.03	11.57
IF	1679.80	1.82	14.03	11.49
IF	1683.10	1.64	14.03	11.40
IF	1686.30	1.47	14.03	11.31
IF	1689.60	1.53	14.03	11.41
IF	1692.90	1.21	14.03	11.16
IF	1695.20	0.01	14.03	10.32
AS	1818.60	0.00	0.00	9.43
IF	1821.60	0.03	0.21	9.45
IF	1823.60	0.04	0.25	9.46
IF	1833.60	0.09	0.35	9.49
IF	1845.60	0.13	0.42	9.52
IF	1847.60	0.14	0.43	9.53
IF	1859.60	0.17	0.48	9.55
IF	1871.60	0.20	0.53	9.57
IF	1879.60	0.22	0.55	9.59
IF	1891.60	0.25	0.59	9.61
IF	1899.60	0.27	0.61	9.62
IF	1911.60	0.30	0.64	9.64
IF	1929.60	0.33	0.67	9.67
IF	1931.60	0.34	0.68	9.67
IF	1965.60	0.40	0.74	9.71
IF	1967.60	0.40	0.74	9.72
IF	1987.60	0.44	0.78	9.74
IF	1989.60	0.44	0.78	9.74
IF	2035.60	0.52	0.84	9.79
IF	2051.60	0.54	0.86	9.81
IF	2053.60	0.55	0.87	9.81
IF	2095.60	0.61	0.91	9.86
IF	2103.60	0.62	0.92	9.87
IF	2121.60	0.65	0.94	9.88
IF	2137.60	0.67	0.96	9.90
IF	2153.60	0.69	0.97	9.91
IF	2155.60	0.70	0.97	9.92
IF	2177.60	0.73	1.00	9.94
IF	2179.60	0.73	1.00	9.94
IF	2197.60	0.75	1.01	9.96
IF	2201.60	0.76	1.02	9.96
IF	2225.60	0.79	1.04	9.98
IF	2227.60	0.79	1.04	9.98
IF	2259.60	0.82	1.07	10.01
IF	2275.60	0.85	1.08	10.03
IF	2277.60	0.85	1.08	10.03
IF	2297.60	0.87	1.10	10.04
IF	2305.60	0.89	1.10	10.05
IF	2327.60	0.91	1.12	10.07
IF	2329.60	0.92	1.12	10.07
IF	2353.60	0.94	1.14	10.09
IF	2377.60	0.97	1.15	10.12
IF	2379.60	0.97	1.15	10.12
IF	2397.60	0.99	1.17	10.13
IF	2399.60	0.99	1.17	10.13
IF	2437.60	1.04	1.19	10.17
IF	2439.60	1.04	1.19	10.17
IF	2477.60	1.08	1.22	10.20
IF	2479.60	1.08	1.22	10.20
IF	2513.60	1.12	1.24	10.23
IF	2515.60	1.12	1.24	10.23
IF	2549.60	1.15	1.26	10.25
IF	2565.60	1.15	1.27	10.25
IF	2585.60	1.16	1.28	10.26
IF	2587.60	1.17	1.28	10.26
IF	2605.60	1.18	1.29	10.27
IF	2611.60	1.19	1.29	10.28
IF	2635.60	1.21	1.31	10.29
IF	2647.60	1.22	1.31	10.30
IF	2653.60	1.24	1.32	10.31
IF	2677.60	1.25	1.33	10.32
IF	2693.60	1.25	1.34	10.32
IF	2695.60	1.25	1.34	10.32
IF	2717.60	1.28	1.35	10.34
IF	2719.60	1.28	1.35	10.34
IF	2735.60	1.30	1.36	10.36
IF	2761.60	1.31	1.37	10.36
IF	2763.60	1.32	1.37	10.37
IF	2781.60	1.33	1.38	10.38

IF	2783.60	1.33	1.38	10.38
IF	2803.60	1.34	1.39	10.38
IF	2805.60	1.34	1.39	10.38
IF	2827.60	1.34	1.40	10.38
IF	2845.60	1.34	1.41	10.39
IF	2855.60	1.35	1.41	10.39
IF	2873.60	1.37	1.42	10.40
IF	2875.60	1.37	1.42	10.41
IF	2895.60	1.36	1.43	10.40
IF	2899.60	1.36	1.43	10.40
IF	2923.60	1.38	1.44	10.42
IF	2925.60	1.38	1.44	10.42
IF	2949.60	1.33	1.45	10.38
IF	2971.60	1.33	1.46	10.38
IF	2973.60	1.33	1.46	10.38
IF	2987.60	1.35	1.47	10.39
IF	2991.60	1.35	1.47	10.39
IF	3005.60	1.35	1.48	10.39
IF	3007.60	1.35	1.48	10.40
IF	3021.60	1.19	1.48	10.28
IF	3037.60	0.95	1.49	10.11
IF	3039.60	0.94	1.49	10.11
IF	3051.60	0.80	1.49	10.01
IF	3059.60	0.84	1.50	10.03
IF	3075.60	0.87	1.50	10.05
IF	3077.60	0.87	1.50	10.05
IF	3099.60	0.90	1.51	10.07
IF	3101.60	0.90	1.51	10.08
IF	3125.60	0.95	1.52	10.11
IF	3127.60	0.96	1.52	10.12
IF	3143.60	0.98	1.53	10.13
IF	3145.60	0.98	1.53	10.13
IF	3163.60	0.99	1.54	10.14
IF	3193.60	0.82	1.55	10.01
IF	3195.60	0.79	1.55	9.99
IF	3209.60	0.26	1.55	9.62
IF	3211.60	0.17	1.56	9.56
IF	3215.50	0.01	1.56	9.45
AS	3627.40	0.00	0.00	9.44
IF	3629.60	0.03	0.19	9.46
	3729.60	0.24	0.66	9.60
	3829.60	0.40	0.82	9.72
	3929.60	0.54	0.94	9.82
	4029.60	0.67	1.03	9.91
	4129.60	0.80	1.11	10.00
	4229.60	0.92	1.18	10.08
	4329.60	1.03	1.24	10.16
	4429.60	1.13	1.30	10.23
	4529.60	1.24	1.35	10.30
	4629.60	1.34	1.39	10.37
	4729.60	1.43	1.44	10.44
	4829.60	1.53	1.48	10.51
	4929.60	1.62	1.52	10.57
	5029.60	1.70	1.56	10.63
	5129.60	1.79	1.59	10.69
IF	5187.60	1.83	1.61	10.72
IF	5191.60	1.83	1.61	10.72
	5317.60	1.89	1.66	10.76
IF	5371.60	1.90	1.67	10.77
IF	5375.60	1.94	1.67	10.80
IF	5467.60	1.84	1.70	10.74
IF	5487.60	1.81	1.71	10.72
IF	5491.60	1.81	1.71	10.71
IF	5553.60	1.80	1.73	10.70
IF	5569.60	1.81	1.73	10.71
IF	5571.60	1.81	1.73	10.71
IF	5623.60	1.72	1.75	10.67
IF	5625.60	1.72	1.75	10.67
IF	5659.60	1.74	1.76	10.71
IF	5663.60	1.75	1.76	10.72
IF	5683.60	1.77	1.76	10.76
IF	5693.60	1.80	1.77	10.79
IF	5701.60	1.80	1.77	10.81
IF	5721.60	1.86	1.77	10.87
IF	5723.60	1.86	1.77	10.87
IF	5781.60	1.86	1.79	10.94
IF	5783.60	1.86	1.79	10.94
IF	5809.60	1.88	1.80	10.96
IF	5811.60	1.88	1.80	10.96
IF	5837.60	1.86	1.81	10.95
IF	5839.60	1.86	1.81	10.95
IF	5869.60	1.70	1.81	10.84
IF	5877.60	1.55	1.82	10.73
IF	5891.60	1.63	1.82	10.79
IF	5895.60	1.65	1.82	10.80
IF	5913.60	1.70	1.83	10.84
IF	5921.60	1.72	1.83	10.85
IF	5939.60	1.73	1.83	10.86
IF	5991.60	1.85	1.85	10.94
IF	5993.60	1.86	1.85	10.95
IF	6079.60	1.87	1.87	10.96
IF	6081.60	1.87	1.87	10.96
IF	6111.60	1.88	1.88	10.96
IF	6113.60	1.88	1.88	10.96
IF	6139.60	1.88	1.88	10.96
IF	6141.60	1.88	1.88	10.96
IF	6175.60	1.24	1.89	10.51
IF	6185.60	1.27	1.90	10.53
IF	6191.60	1.29	1.90	10.55
IF	6201.60	1.30	1.90	10.56
IF	6209.60	1.28	1.90	10.54
IF	6231.60	1.10	1.91	10.42

IF	6233.60	1.10	1.91	10.42
IF	6247.60	1.06	1.91	10.39
IF	6255.60	1.06	1.91	10.39
IF	6271.60	1.10	1.92	10.42
IF	6273.60	1.11	1.92	10.43
IF	6313.60	0.98	1.93	10.33
IF	6315.60	0.98	1.93	10.34
IF	6331.60	0.99	1.93	10.34
IF	6333.60	0.99	1.93	10.34
IF	6347.60	1.01	1.93	10.36
IF	6349.60	1.01	1.93	10.36
IF	6391.60	0.64	1.94	10.10
IF	6409.60	0.35	1.95	9.89
IF	6411.60	0.36	1.95	9.90
IF	6427.60	0.13	1.95	9.74
IF	6429.60	0.08	1.95	9.71
IF	6433.50	0.01	1.95	9.65

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 1695.20 AND 1818.60

BETWEEN 3215.50 AND 3627.40

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
3.30	1.00	8.89
6.60	1.00	8.90
9.80	1.00	8.90
13.10	1.00	8.90
16.40	1.00	8.90
19.70	1.00	8.91
23.00	1.00	8.91
26.20	1.00	8.91
29.50	1.00	8.92
32.80	1.00	8.92
36.10	1.00	8.93
39.40	1.00	8.93
42.70	1.00	8.93
45.90	1.00	8.94
49.20	1.00	8.94
52.50	1.00	8.94
55.80	1.00	8.95
59.10	1.00	8.95
62.30	1.00	8.96
65.60	1.00	8.96
68.90	1.00	8.97
72.20	1.00	8.97
75.50	1.00	8.97
78.70	1.00	8.98
82.00	1.00	8.98
85.30	1.00	8.98
88.60	1.00	8.99
91.90	1.00	8.99
95.10	1.00	8.99
98.40	1.00	9.00
101.70	1.00	9.00
105.00	1.00	9.01
108.30	1.00	9.01
111.50	1.00	9.01
114.80	1.00	9.02
118.10	1.00	9.02
121.40	1.00	9.02
124.70	1.00	9.03
128.00	1.00	9.03
131.20	1.00	9.03
134.50	1.00	9.04
137.80	1.00	9.04
141.10	1.00	9.04
144.40	1.00	9.05
147.60	1.00	9.05
150.90	1.00	9.05
154.20	1.00	9.06
157.50	1.00	9.06
160.80	1.00	9.06
164.00	1.00	9.07
167.30	1.00	9.07
170.60	1.00	9.07
173.90	1.00	9.07
177.20	1.00	9.08
180.40	1.00	9.08
183.70	1.00	9.08
187.00	1.00	9.09
190.30	1.00	9.09
193.60	1.00	9.09
196.80	1.00	9.10
200.10	1.00	9.10
203.40	1.00	9.10
206.70	1.00	9.10
210.00	1.00	9.11
213.30	1.00	9.11
216.50	1.00	9.11
219.80	1.00	9.11
223.10	1.00	9.12
226.40	1.00	9.12
229.70	1.00	9.12
232.90	1.00	9.12
236.20	1.00	9.12
239.50	1.00	9.13
242.80	1.00	9.13
246.10	1.00	9.13
249.30	1.00	9.13
252.60	1.00	9.14
255.90	1.00	9.14
259.20	1.00	9.14
262.50	1.00	9.14

265.70	1.00	9.15
269.00	1.00	9.15
272.30	1.00	9.15
275.60	1.00	9.15
278.90	1.00	9.16
282.20	1.00	9.16
285.40	1.00	9.16
288.70	1.00	9.16
292.00	1.00	9.17
295.30	1.00	9.17
298.60	1.00	9.17
301.80	1.00	9.18
305.10	1.00	9.18
308.40	1.00	9.18
311.70	1.00	9.19
315.00	1.00	9.19
318.20	1.00	9.19
321.50	1.00	9.19
324.80	1.00	9.20
328.10	1.00	9.20
331.40	1.00	9.20
334.60	1.00	9.20
337.90	1.00	9.21
341.20	1.00	9.21
344.50	1.00	9.21
347.80	1.00	9.21
351.00	1.00	9.22
354.30	1.00	9.22
357.60	1.00	9.22
360.90	1.00	9.23
364.20	1.00	9.23
367.50	1.00	9.23
370.70	1.00	9.23
374.00	1.00	9.24
377.30	1.00	9.24
380.60	1.00	9.24
383.90	1.00	9.24
387.10	1.00	9.25
390.40	1.00	9.25
393.70	1.00	9.25
397.00	1.00	9.26
400.30	1.00	9.26
403.50	1.00	9.26
406.80	1.00	9.26
410.10	1.00	9.27
413.40	1.00	9.27
416.70	1.00	9.27
419.90	1.00	9.27
423.20	1.00	9.27
426.50	1.00	9.28
429.80	1.00	9.28
433.10	1.00	9.28
436.40	1.00	9.28
439.60	1.00	9.29
442.90	1.00	9.29
446.20	1.00	9.29
449.50	1.00	9.29
452.80	1.00	9.29
456.00	1.00	9.30
459.30	1.00	9.30
462.60	1.00	9.30
465.90	1.00	9.30
469.20	1.00	9.30
472.40	1.00	9.31
475.70	1.00	9.31
479.00	1.00	9.31
482.30	1.00	9.31
485.60	1.00	9.31
488.80	1.00	9.31
492.10	1.00	9.32
495.40	1.00	9.32
498.70	1.00	9.32
502.00	1.00	9.32
505.20	1.00	9.32
508.50	1.00	9.32
511.80	1.00	9.32
515.10	1.00	9.33
518.40	1.00	9.33
521.70	1.00	9.33
524.90	1.00	9.33
528.20	1.00	9.33
531.50	1.00	9.34
534.80	1.00	9.34
538.10	1.00	9.34
541.30	1.00	9.34
544.60	1.00	9.34
547.90	1.00	9.34
551.20	1.00	9.34
554.50	1.00	9.35
557.70	1.00	9.35
561.00	1.00	9.35
564.30	1.00	9.35
567.60	1.00	9.35
570.90	1.00	9.35
574.10	1.00	9.35
577.40	1.00	9.35
580.70	1.00	9.36
584.00	1.00	9.36
587.30	1.00	9.36
590.50	1.00	9.36
593.80	1.00	9.36
597.10	1.00	9.36

600.40	1.00	9.36
603.70	1.00	9.37
607.00	1.00	9.37
610.20	1.00	9.37
613.50	1.00	9.37
616.80	1.00	9.37
620.10	1.00	9.37
623.40	1.00	9.37
626.60	1.00	9.38
629.90	1.00	9.38
633.20	1.00	9.38
636.50	1.00	9.38
639.80	1.00	9.38
643.00	1.00	9.38
646.30	1.00	9.38
649.60	1.00	9.38
652.90	1.00	9.39
656.20	1.00	9.39
659.40	1.00	9.39
662.70	1.00	9.39
666.00	1.00	9.39
669.30	1.00	9.39
672.60	1.00	9.39
675.90	1.00	9.39
679.10	1.00	9.39
682.40	1.00	9.40
685.70	1.00	9.40
689.00	1.00	9.40
692.30	1.00	9.40
695.50	1.00	9.40
698.80	1.00	9.40
702.10	1.00	9.40
705.40	1.00	9.40
708.70	1.00	9.41
711.90	1.00	9.41
715.20	1.00	9.41
718.50	1.00	9.41
721.80	1.00	9.41
725.10	1.00	9.41
728.30	1.00	9.41
731.60	1.00	9.41
734.90	1.00	9.42
738.20	1.00	9.42
741.50	1.00	9.42
744.70	1.00	9.42
748.00	1.00	9.42
751.30	1.00	9.42
754.60	1.00	9.42
757.90	1.00	9.43
761.20	1.00	9.43
764.40	1.00	9.43
767.70	1.00	9.43
771.00	1.00	9.43
774.30	1.00	9.43
777.60	1.00	9.43
780.80	1.00	9.43
784.10	1.00	9.43
787.40	1.00	9.44
797.20	1.00	9.44
803.80	1.00	9.44
810.40	1.00	9.44
816.90	1.00	9.44
823.50	1.00	9.44
830.10	1.00	9.44
836.60	1.00	9.44
846.50	1.00	9.44
859.60	1.00	9.44
866.10	1.00	9.44
872.70	1.00	9.45
879.30	1.00	9.45
882.50	1.00	9.45
889.10	1.00	9.45
892.40	1.00	9.45
898.90	1.00	9.45
902.20	1.00	9.45
905.50	1.00	9.45
908.80	1.00	9.45
912.10	1.00	9.45
915.40	1.00	9.46
918.60	1.00	9.46
921.90	1.00	9.46
925.20	1.00	9.46
928.50	1.00	9.46
931.80	1.00	9.46
935.00	1.00	9.46
938.30	1.00	9.47
941.60	1.00	9.47
944.90	1.00	9.47
948.20	1.00	9.47
951.40	1.00	9.47
954.70	1.00	9.47
958.00	1.00	9.48
961.30	1.00	9.48
964.60	1.00	9.48
967.80	1.00	9.48
971.10	1.00	9.48
974.40	1.00	9.48
977.70	1.00	9.49
981.00	1.00	9.49
984.20	1.00	9.49
987.50	1.00	9.49
990.80	1.00	9.49

994.10	1.00	9.50
997.40	1.00	9.50
1000.70	1.00	9.50
1003.90	1.00	9.50
1007.20	1.00	9.51
1010.50	1.00	9.51
1013.80	1.00	9.51
1017.10	1.00	9.51
1020.30	1.00	9.52
1023.60	1.00	9.52
1026.90	1.00	9.52
1030.20	1.00	9.52
1033.50	1.00	9.53
1036.70	1.00	9.53
1040.00	1.00	9.53
1043.30	1.00	9.53
1046.60	1.00	9.54
1049.90	1.00	9.54
1053.10	1.00	9.54
1056.40	1.00	9.55
1059.70	1.00	9.55
1063.00	1.00	9.55
1066.30	1.00	9.55
1069.60	1.00	9.56
1072.80	1.00	9.56
1076.10	1.00	9.56
1079.40	1.00	9.56
1082.70	1.00	9.57
1086.00	1.00	9.57
1089.20	1.00	9.57
1092.50	1.00	9.58
1095.80	1.00	9.58
1099.10	1.00	9.58
1102.40	1.00	9.59
1105.60	1.00	9.59
1108.90	1.00	9.59
1112.20	1.00	9.59
1115.50	1.00	9.60
1118.80	1.00	9.60
1122.00	1.00	9.60
1125.30	1.00	9.60
1128.60	1.00	9.61
1131.90	1.00	9.61
1135.20	1.00	9.61
1138.40	1.00	9.62
1141.70	1.00	9.62
1145.00	1.00	9.62
1148.30	1.00	9.63
1151.60	1.00	9.63
1154.90	1.00	9.63
1158.10	1.00	9.64
1161.40	1.00	9.64
1164.70	1.00	9.64
1168.00	1.00	9.64
1171.30	1.00	9.65
1174.50	1.00	9.65
1177.80	1.00	9.65
1181.10	1.00	9.65
1184.40	1.00	9.66
1187.70	1.00	9.66
1190.90	1.00	9.66
1194.20	1.00	9.67
1197.50	1.00	9.67
1200.80	1.00	9.67
1204.10	1.00	9.68
1207.30	1.00	9.68
1210.60	1.00	9.68
1213.90	1.00	9.68
1217.20	1.00	9.69
1220.50	1.00	9.69
1223.80	1.00	9.69
1227.00	1.00	9.70
1230.30	1.00	9.70
1233.60	1.00	9.70
1236.90	1.00	9.71
1240.20	1.00	9.71
1243.40	1.00	9.71
1246.70	1.00	9.72
1250.00	1.00	9.72
1253.30	1.00	9.72
1256.60	1.00	9.72
1259.80	1.00	9.73
1263.10	1.00	9.73
1266.40	1.00	9.73
1269.70	1.00	9.73
1273.00	1.00	9.74
1276.20	1.00	9.74
1279.50	1.00	9.74
1282.80	1.00	9.74
1286.10	1.00	9.75
1289.40	1.00	9.75
1292.60	1.00	9.75
1295.90	1.00	9.75
1299.20	1.00	9.76
1302.50	1.00	9.76
1305.80	1.00	9.76
1309.10	1.00	9.76
1312.30	1.00	9.77
1315.60	1.00	9.77
1318.90	1.00	9.77
1322.20	1.00	9.77
1325.50	1.00	9.78

1328.70	1.00	9.78
1332.00	1.00	9.78
1335.30	1.00	9.78
1338.60	1.00	9.78
1341.90	1.00	9.79
1345.10	1.00	9.79
1348.40	1.00	9.79
1351.70	1.00	9.79
1355.00	1.00	9.80
1358.30	1.00	9.80
1361.50	1.00	9.80
1364.80	1.00	9.80
1368.10	1.00	9.81
1371.40	1.00	9.81
1374.70	1.00	9.81
1377.90	1.00	9.81
1381.20	1.00	9.81
1384.50	1.00	9.81
1387.80	1.00	9.82
1391.10	1.00	9.82
1394.40	1.00	9.82
1397.60	1.00	9.82
1400.90	1.00	9.83
1404.20	1.00	9.83
1407.50	1.00	9.83
1410.80	1.00	9.83
1414.00	1.00	9.83
1417.30	1.00	9.84
1420.60	1.00	9.84
1423.90	1.00	9.84
1427.20	1.00	9.84
1430.40	1.00	9.84
1433.70	1.00	9.85
1437.00	1.00	9.85
1440.30	1.00	9.85
1443.60	1.00	9.85
1446.80	1.00	9.85
1450.10	1.00	9.86
1453.40	1.00	9.86
1456.70	1.00	9.86
1460.00	1.00	9.86
1463.30	1.00	9.87
1466.50	1.00	9.86
1469.80	1.00	9.87
1473.10	1.00	9.87
1476.40	1.00	9.87
1479.70	1.00	9.87
1482.90	1.00	9.88
1486.20	1.00	9.88
1489.50	1.00	9.88
1492.80	1.00	9.88
1496.10	1.00	9.88
1499.30	1.00	9.89
1502.60	1.00	9.89
1505.90	1.00	9.89
1509.20	1.00	9.89
1512.50	1.00	9.89
1515.70	1.00	9.90
1519.00	1.00	9.90
1522.30	1.00	9.90
1525.60	1.00	9.90
1528.90	1.00	9.90
1532.10	1.00	9.91
1535.40	1.00	9.91
1538.70	1.00	9.91
1542.00	1.00	9.91
1545.30	1.00	9.91
1548.60	1.00	9.92
1551.80	1.00	9.92
1555.10	1.00	9.92
1558.40	1.00	9.92
1561.70	1.00	9.92
1565.00	1.00	9.93
1568.20	1.00	9.93
1571.50	1.00	9.93
1574.80	1.00	9.93
1578.10	1.00	9.94
1581.40	1.00	9.94
1584.60	1.00	9.94
1587.90	1.00	9.94
1591.20	1.00	9.94
1594.50	1.00	9.95
1601.00	1.00	9.95
1604.30	1.00	9.95
1607.60	1.00	9.95
1610.90	1.00	9.95
1614.20	1.00	9.95
1617.50	1.00	9.96
1620.70	1.00	9.96
1624.00	1.00	9.97
1627.30	1.00	9.98
1630.60	1.00	9.98
1633.90	1.00	9.99
1637.10	1.00	10.00
1640.40	1.00	10.01
1643.70	1.00	10.02
1647.00	1.00	10.03
1650.30	1.00	10.04
1653.50	1.00	10.05
1656.80	1.00	10.06
1660.10	1.00	10.07
1663.40	1.00	10.09

1666.70	1.00	10.10
1669.90	1.00	10.12
1673.20	1.00	10.15
1676.50	1.00	10.18
1679.80	1.00	10.22
1683.10	1.00	10.25
1686.30	1.00	10.29
1689.60	1.00	10.34
1692.90	1.00	10.31
1818.60	1.00	9.43
2035.60	1.00	9.43
2095.60	1.00	9.43
2137.60	1.00	9.43
2225.60	1.00	9.43
2259.60	1.00	9.43
2297.60	1.00	9.43
2327.60	1.00	9.43
2353.60	1.00	9.44
2377.60	1.00	9.44
2379.60	1.00	9.44
2397.60	1.00	9.44
2437.60	1.00	9.44
2439.60	1.00	9.44
2477.60	1.00	9.44
2605.60	1.00	9.44
2677.60	1.00	9.44
2761.60	1.00	9.45
2803.60	1.00	9.45
2845.60	1.00	9.45
3059.60	1.00	9.45
3077.60	1.00	9.45
3125.60	1.00	9.44
3163.60	1.00	9.44
3193.60	1.00	9.44
3627.40	1.00	9.44
5187.60	1.00	9.44
5371.60	1.00	9.44
5467.60	1.00	9.44
5487.60	1.00	9.44
5553.60	1.00	9.45
5569.60	1.00	9.45
5623.60	1.00	9.47
5625.60	1.00	9.47
5659.60	1.00	9.49
5663.60	1.00	9.50
5683.60	1.00	9.52
5693.60	1.00	9.53
5701.60	1.00	9.54
5721.60	1.00	9.57
5723.60	1.00	9.57
5781.60	1.00	9.64
5783.60	1.00	9.64
5809.60	1.00	9.65
5991.60	1.00	9.65
6079.60	1.00	9.65

PART5 LOCATION OF V ZONES

STATION OF GUTTER 1658.82 LOCATION OF ZONE WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION		FHF
9.74	25.23			
		V12	EL=**	60
3.30	1686.30			
		V12	EL=99	60
6.60	1689.60			
		V19	EL= 3	95
9.74	25.23			
		V23	EL=23	130
9.80	1694.70			
		V23	EL=23	130
10.13	24.50			
		V23	EL=23	130
10.94	23.50			
		V23	EL=23	130
13.10	1695.20			
		V23	EL=23	130
16.40	1818.60			
		V23	EL=23	130
19.70	1835.96			
		V23	EL=23	130
23.00	2035.60			
		V23	EL=23	130
26.20	2095.60			
		V23	EL=23	130
29.50	2137.60			
		V23	EL=23	130
32.80	2225.60			
		V23	EL=23	130
36.10	2259.60			
		V23	EL=23	130
39.40	2297.60			
		V23	EL=23	130
42.70	2327.60			
		V23	EL=23	130
45.90	2353.60			
		V23	EL=23	130
49.20	2377.60			
		V23	EL=23	130
52.50	2379.60			
		V23	EL=23	130
55.80	2397.60			
		V23	EL=23	130

59.10	2437.60			
62.30	2439.60	V23	EL=23	130
65.60	2477.60	V23	EL=23	130
68.90	2605.60	V23	EL=23	130
72.20	2677.60	V23	EL=23	130
75.50	2761.60	V23	EL=23	130
78.70	2803.60	V23	EL=23	130
82.00	2845.60	V23	EL=23	130
85.30	3059.60	V23	EL=23	130
88.60	3077.60	V23	EL=23	130
91.90	3125.60	V23	EL=23	130
95.10	3163.60	V23	EL=23	130
98.40	3193.60	V23	EL=23	130
101.70	3215.50	V23	EL=23	130
105.00	3627.40	V23	EL=23	130
108.30	3629.60	V23	EL=23	130
111.50	4819.75	V23	EL=23	130
114.80	5191.60	V23	EL=23	130
118.10	5375.60	V23	EL=23	130
121.40	5467.60	V23	EL=23	130
124.70	5491.60	V23	EL=23	130
128.00	5553.60	V23	EL=23	130
131.20	5571.60	V23	EL=23	130
134.50	5623.60	V23	EL=23	130
137.80	5625.60	V23	EL=23	130
141.10	5659.60	V23	EL=23	130
144.40	5663.60	V23	EL=23	130
147.60	5683.60	V23	EL=23	130
150.90	5693.60	V23	EL=23	130
154.20	5701.60	V23	EL=23	130
157.50	5721.60	V23	EL=23	130
160.80	5723.60	V23	EL=23	130
164.00	5781.60	V23	EL=23	130
167.30	5783.60	V23	EL=23	130
170.60	5939.60	V23	EL=23	130
173.90	5993.60	V23	EL=23	130
177.20	6217.37	V23	EL=23	130
180.40	24.35	V23	EL=23	130
183.70	24.33	V23	EL=23	130
187.00	24.32	V23	EL=23	130
190.30	24.31	V23	EL=23	130
193.60	24.29	V23	EL=23	130
196.80	24.28	V23	EL=23	130
200.10	24.26	V23	EL=23	130
203.40	24.25	V23	EL=23	130
206.70	24.23	V23	EL=23	130
210.00	24.22	V23	EL=23	130
213.30	24.20	V23	EL=23	130
216.50	24.19	V23	EL=23	130
219.80	24.15	V23	EL=23	130
223.10	24.11	V23	EL=23	130

226.40	24.07	V23	EL=23	130
229.70	24.02	V23	EL=23	130
232.90	23.98	V23	EL=23	130
236.20	23.94	V23	EL=23	130
239.50	23.89	V23	EL=23	130
242.80	23.85	V23	EL=23	130
246.10	23.81	V23	EL=23	130
249.30	23.76	V23	EL=23	130
252.60	23.72	V23	EL=23	130
255.90	23.68	V23	EL=23	130
259.20	23.63	V23	EL=23	130
262.50	23.59	V23	EL=23	130
265.70	23.55	V23	EL=23	130
269.00	23.50	V23	EL=23	130
272.30	23.46	V23	EL=23	130
275.60	23.42	V23	EL=23	130
278.90	23.37	V23	EL=23	130
282.20	23.33	V23	EL=23	130
285.40	23.29	V23	EL=23	130
288.70	23.25	V23	EL=23	130
292.00	23.20	V23	EL=23	130
295.30	23.17	V23	EL=23	130
298.60	23.15	V23	EL=23	130
301.80	23.12	V23	EL=23	130
305.10	23.10	V23	EL=23	130
308.40	23.07	V23	EL=23	130
311.70	23.05	V23	EL=23	130
315.00	23.03	V23	EL=23	130
318.20	23.00	V23	EL=23	130
321.50	22.98	V23	EL=23	130
324.80	22.95	V23	EL=23	130
328.10	22.93	V23	EL=23	130
331.40	22.91	V23	EL=23	130
334.60	22.88	V23	EL=23	130
337.90	22.86	V23	EL=23	130
341.20	22.83	V23	EL=23	130
344.50	22.81	V23	EL=23	130
347.80	22.78	V23	EL=23	130
351.00	22.76	V23	EL=23	130
354.30	22.74	V23	EL=23	130
357.60	22.71	V23	EL=23	130
360.90	22.70	V23	EL=23	130
364.20	22.70	V23	EL=23	130
367.50	22.70	V23	EL=23	130
370.70	22.69	V23	EL=23	130
374.00	22.69	V23	EL=23	130
377.30	22.69	V23	EL=23	130
380.60	22.69	V23	EL=23	130
383.90	22.69	V23	EL=23	130
387.10	22.68	V23	EL=23	130
390.40	22.68	V23	EL=23	130

393.70	22.68			
397.00	22.68	V23	EL=23	130
400.30	22.67	V23	EL=23	130
403.50	22.67	V23	EL=23	130
406.80	22.67	V23	EL=23	130
410.10	22.67	V23	EL=23	130
413.40	22.66	V23	EL=23	130
416.70	22.66	V23	EL=23	130
419.90	22.66	V23	EL=23	130
423.20	22.65	V23	EL=23	130
426.50	22.65	V23	EL=23	130
429.80	22.65	V23	EL=23	130
433.10	22.64	V23	EL=23	130
436.40	22.64	V23	EL=23	130
439.60	22.64	V23	EL=23	130
442.90	22.63	V23	EL=23	130
446.20	22.63	V23	EL=23	130
449.50	22.63	V23	EL=23	130
452.80	22.62	V23	EL=23	130
456.00	22.62	V23	EL=23	130
459.30	22.62	V23	EL=23	130
462.60	22.61	V23	EL=23	130
465.90	22.61	V23	EL=23	130
469.20	22.61	V23	EL=23	130
472.40	22.60	V23	EL=23	130
475.70	22.60	V23	EL=23	130
479.00	22.60	V23	EL=23	130
482.30	22.59	V23	EL=23	130
485.60	22.59	V23	EL=23	130
488.80	22.57	V23	EL=23	130
492.10	22.54	V23	EL=23	130
495.40	22.51	V23	EL=23	130
497.26	22.50	V23	EL=23	130
498.70	22.49	V23	EL=22	130
502.00	22.48	V23	EL=22	130
505.20	22.47	V23	EL=22	130
508.50	22.46	V23	EL=22	130
511.80	22.45	V23	EL=22	130
515.10	22.44	V23	EL=22	130
518.40	22.43	V23	EL=22	130
521.70	22.43	V23	EL=22	130
524.90	22.42	V23	EL=22	130
528.20	22.41	V23	EL=22	130
531.50	22.40	V23	EL=22	130
534.80	22.39	V23	EL=22	130
538.10	22.39	V23	EL=22	130
541.30	22.38	V23	EL=22	130
544.60	22.37	V23	EL=22	130
547.90	22.36	V23	EL=22	130
551.20	22.36	V23	EL=22	130
554.50	22.35	V23	EL=22	130

557.70	22.34	V23 EL=22 130
561.00	22.34	V23 EL=22 130
564.30	22.33	V23 EL=22 130
567.60	22.32	V23 EL=22 130
570.90	22.31	V23 EL=22 130
574.10	22.31	V23 EL=22 130
577.40	22.30	V23 EL=22 130
580.70	22.29	V23 EL=22 130
584.00	22.28	V23 EL=22 130
587.30	22.28	V23 EL=22 130
590.50	22.27	V23 EL=22 130
593.80	22.26	V23 EL=22 130
597.10	22.25	V23 EL=22 130
600.40	22.24	V23 EL=22 130
603.70	22.24	V23 EL=22 130
607.00	22.23	V23 EL=22 130
610.20	22.22	V23 EL=22 130
613.50	22.22	V23 EL=22 130
616.80	22.21	V23 EL=22 130
620.10	22.20	V23 EL=22 130
623.40	22.19	V23 EL=22 130
626.60	22.18	V23 EL=22 130
629.90	22.18	V23 EL=22 130
633.20	22.17	V23 EL=22 130
636.50	22.16	V23 EL=22 130
639.80	22.15	V23 EL=22 130
643.00	22.15	V23 EL=22 130
646.30	22.14	V23 EL=22 130
649.60	22.13	V23 EL=22 130
652.90	22.12	V23 EL=22 130
656.20	22.11	V23 EL=22 130
659.40	22.11	V23 EL=22 130
662.70	22.10	V23 EL=22 130
666.00	22.09	V23 EL=22 130
669.30	22.08	V23 EL=22 130
672.60	22.08	V23 EL=22 130
675.90	22.07	V23 EL=22 130
679.10	22.06	V23 EL=22 130
682.40	22.05	V23 EL=22 130
685.70	22.04	V23 EL=22 130
689.00	22.04	V23 EL=22 130
692.30	22.03	V23 EL=22 130
695.50	22.02	V23 EL=22 130
698.80	22.01	V23 EL=22 130
702.10	22.01	V23 EL=22 130
705.40	22.00	V23 EL=22 130
708.70	21.99	V23 EL=22 130
711.90	21.99	V23 EL=22 130
715.20	21.99	V23 EL=22 130
718.50	21.99	V23 EL=22 130
721.80	21.99	V23 EL=22 130

725.10	21.98			
728.30	21.98	V23	EL=22	130
731.60	21.98	V23	EL=22	130
734.90	21.98	V23	EL=22	130
738.20	21.98	V23	EL=22	130
741.50	21.97	V23	EL=22	130
744.70	21.98	V23	EL=22	130
748.00	21.98	V23	EL=22	130
751.30	21.99	V23	EL=22	130
754.60	22.00	V23	EL=22	130
757.90	22.01	V23	EL=22	130
761.20	22.01	V23	EL=22	130
764.40	22.02	V23	EL=22	130
767.70	22.03	V23	EL=22	130
771.00	22.04	V23	EL=22	130
774.30	22.04	V23	EL=22	130
777.60	22.05	V23	EL=22	130
780.80	22.06	V23	EL=22	130
784.10	22.06	V23	EL=22	130
787.40	22.06	V23	EL=22	130
794.00	22.05	V23	EL=22	130
797.20	22.06	V23	EL=22	130
800.50	22.06	V23	EL=22	130
803.80	22.07	V23	EL=22	130
807.10	22.08	V23	EL=22	130
810.40	22.05	V23	EL=22	130
813.60	22.02	V23	EL=22	130
816.90	21.98	V23	EL=22	130
820.20	21.95	V23	EL=22	130
823.50	21.92	V23	EL=22	130
826.80	21.89	V23	EL=22	130
830.10	21.85	V23	EL=22	130
833.30	21.82	V23	EL=22	130
836.60	21.79	V23	EL=22	130
843.20	21.67	V23	EL=22	130
846.50	21.61	V23	EL=22	130
852.86	21.50	V23	EL=21	130
856.30	21.44	V23	EL=21	130
859.60	21.38	V23	EL=21	130
862.90	21.32	V23	EL=21	130
866.10	21.27	V23	EL=21	130
869.40	21.21	V23	EL=21	130
872.70	21.15	V23	EL=21	130
876.00	21.09	V23	EL=21	130
879.30	21.04	V23	EL=21	130
882.50	20.98	V23	EL=21	130
885.80	20.92	V23	EL=21	130
889.10	20.86	V23	EL=21	130
892.40	20.81	V23	EL=21	130
895.70	20.75	V23	EL=21	130
898.90	20.69	V23	EL=21	130

902.20	20.64	V23	EL=21	130
905.50	20.58	V23	EL=21	130
908.80	20.52	V23	EL=21	130
910.04	20.50	V23	EL=20	130
912.10	20.46	V23	EL=20	130
915.40	20.41	V23	EL=20	130
918.60	20.35	V23	EL=20	130
921.90	20.29	V23	EL=20	130
925.20	20.24	V23	EL=20	130
928.50	20.18	V23	EL=20	130
931.80	20.12	V23	EL=20	130
935.00	20.07	V23	EL=20	130
938.30	20.01	V23	EL=20	130
941.60	19.96	V23	EL=20	130
944.90	19.91	V23	EL=20	130
948.20	19.86	V23	EL=20	130
951.40	19.82	V23	EL=20	130
954.70	19.77	V23	EL=20	130
958.00	19.72	V23	EL=20	130
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967.80	19.59	V23	EL=20	130
971.10	19.54	V23	EL=20	130
973.93	19.50	V23	EL=19	130
974.40	19.49	V23	EL=19	130
977.70	19.45	V23	EL=19	130
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984.20	19.36	V23	EL=19	130
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990.80	19.26	V23	EL=19	130
994.10	19.22	V23	EL=19	130
997.40	19.17	V23	EL=19	130
1000.70	19.13	V23	EL=19	130
1003.90	19.08	V23	EL=19	130
1007.20	19.03	V23	EL=19	130
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1013.80	18.95	V23	EL=19	130
1017.10	18.91	V23	EL=19	130
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1033.50	18.72	V23	EL=19	130
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1040.00	18.65	V23	EL=19	130
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1046.60	18.57	V23	EL=19	130
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1082.70	18.16	V23	EL=18	130
1086.00	18.12	V23	EL=18	130
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1099.10	17.97	V23	EL=18	130
1102.40	17.94	V23	EL=18	130
1105.60	17.90	V23	EL=18	130
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1115.50	17.79	V23	EL=18	130
1118.80	17.75	V23	EL=18	130
1122.00	17.72	V23	EL=18	130
1125.30	17.68	V23	EL=18	130
1128.60	17.65	V23	EL=18	130
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1181.10	17.16	V23	EL=17	130
1184.40	17.12	V23	EL=17	130
1187.70	17.09	V23	EL=17	130
1190.90	17.06	V23	EL=17	130
1194.20	17.03	V23	EL=17	130
1197.50	16.99	V23	EL=17	130
1200.80	16.96	V23	EL=17	130
1204.10	16.93	V23	EL=17	130
1207.30	16.90	V23	EL=17	130
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1276.20	16.44	V24	EL=16	140
1279.50	16.42	V24	EL=16	140
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1286.10	16.38	V24	EL=16	140
1289.40	16.36	V24	EL=16	140
1292.60	16.34	V24	EL=16	140
1295.90	16.32	V24	EL=16	140
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1305.80	16.25	V24	EL=16	140
1309.10	16.23	V24	EL=16	140
1312.30	16.21	V24	EL=16	140
1315.60	16.19	V24	EL=16	140
1318.90	16.17	V24	EL=16	140
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1325.50	16.13	V24	EL=16	140
1328.70	16.10	V24	EL=16	140
1332.00	16.08	V24	EL=16	140
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1371.40	15.82	V24	EL=16	140
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1384.50	15.74	V24	EL=16	140

1387.80	15.72			
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1410.80	15.55	V24	EL=16	140
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1551.80	14.47
1555.10	14.44
1558.40	14.41
1561.70	14.38
1565.00	14.35
1568.20	14.32
1571.50	14.29
1574.80	14.26
1578.10	14.23
1581.40	14.20
1584.60	14.17
1587.90	14.14
1591.20	14.11
1594.50	14.06
1597.80	13.94
1601.00	13.81
1604.30	13.69
1607.60	13.57
1609.45	13.50
1610.90	13.45
1614.20	13.33
1617.50	13.21
1620.70	13.10
1624.00	13.02
1627.30	12.94
1630.60	12.87
1633.90	12.79
1637.10	12.71
1640.40	12.63
1643.70	12.56
1646.35	12.50
1647.00	12.49
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1653.50	12.34
1656.80	12.25
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		A19	EL=10	95
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		A19	EL=10	95
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		A19	EL=10	95
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5569.60	0.00	A19	EL=11	95
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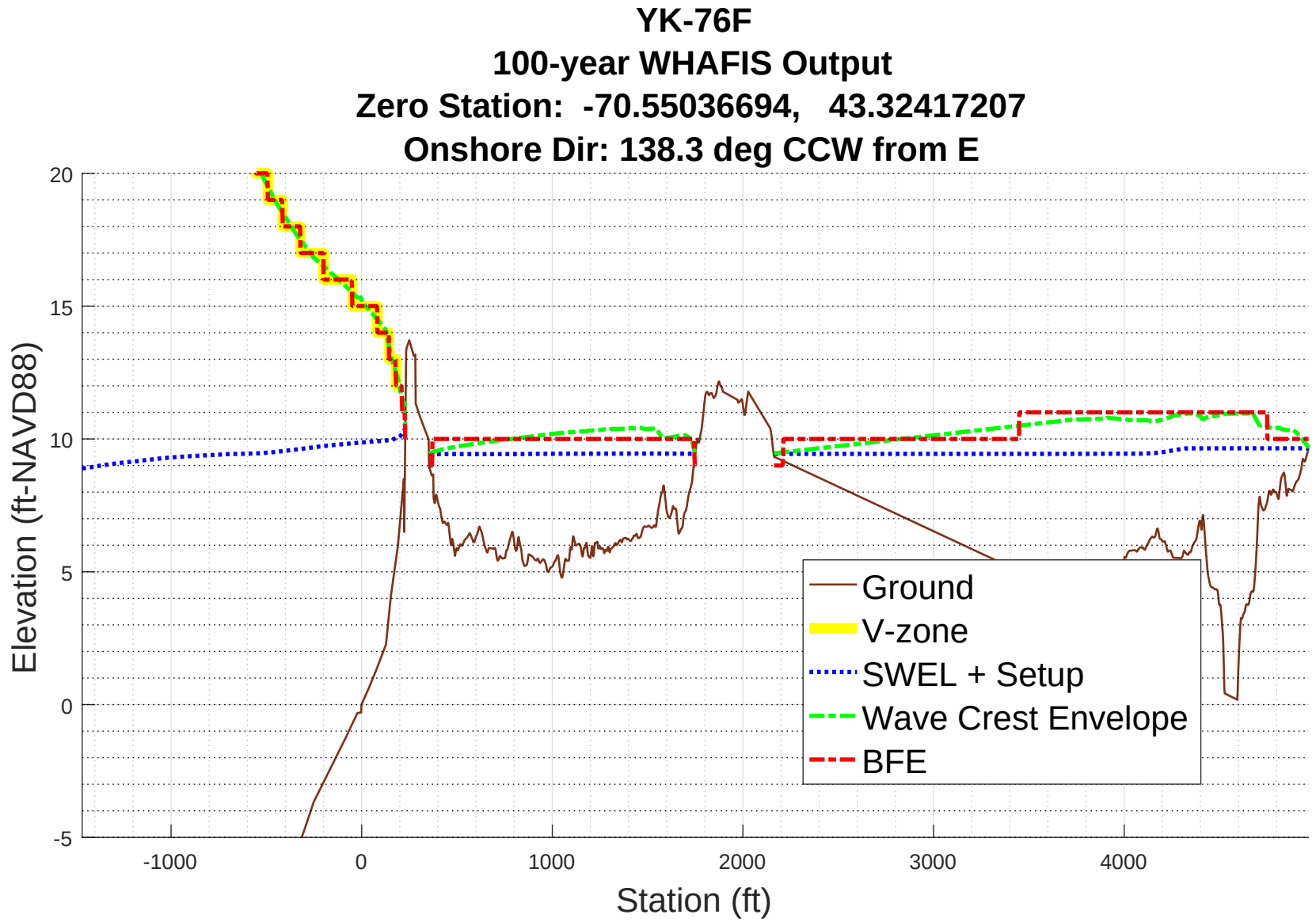
5993.60	0.00	A19	EL=11	95
6079.60	0.00	A19	EL=11	95
6217.37	0.00	A19	EL=10	95
6433.50	0.00			

ZONE TERMINATED AT END OF TRANSECT
PART 7 POSTSCRIPT NOTES

PS# 1 E E E 9 E 9
E Y E E E y E E E E E E „ E „ E Ù E ø E Y E Y
PS# 2 E y E y E Ù


YK-76F
100-year WHAFIS Output
Zero Station: -70.55036694, 43.32417207
Onshore Dir: 138.3 deg CCW from E
Elevation (ft-NAVD88)
Station (ft)
20
15
10
5
0
-5
-1000
0
1000
2000
3000
4000
Ground
V-zone
SWEL + Setup
Wave Crest Envelope
BFE

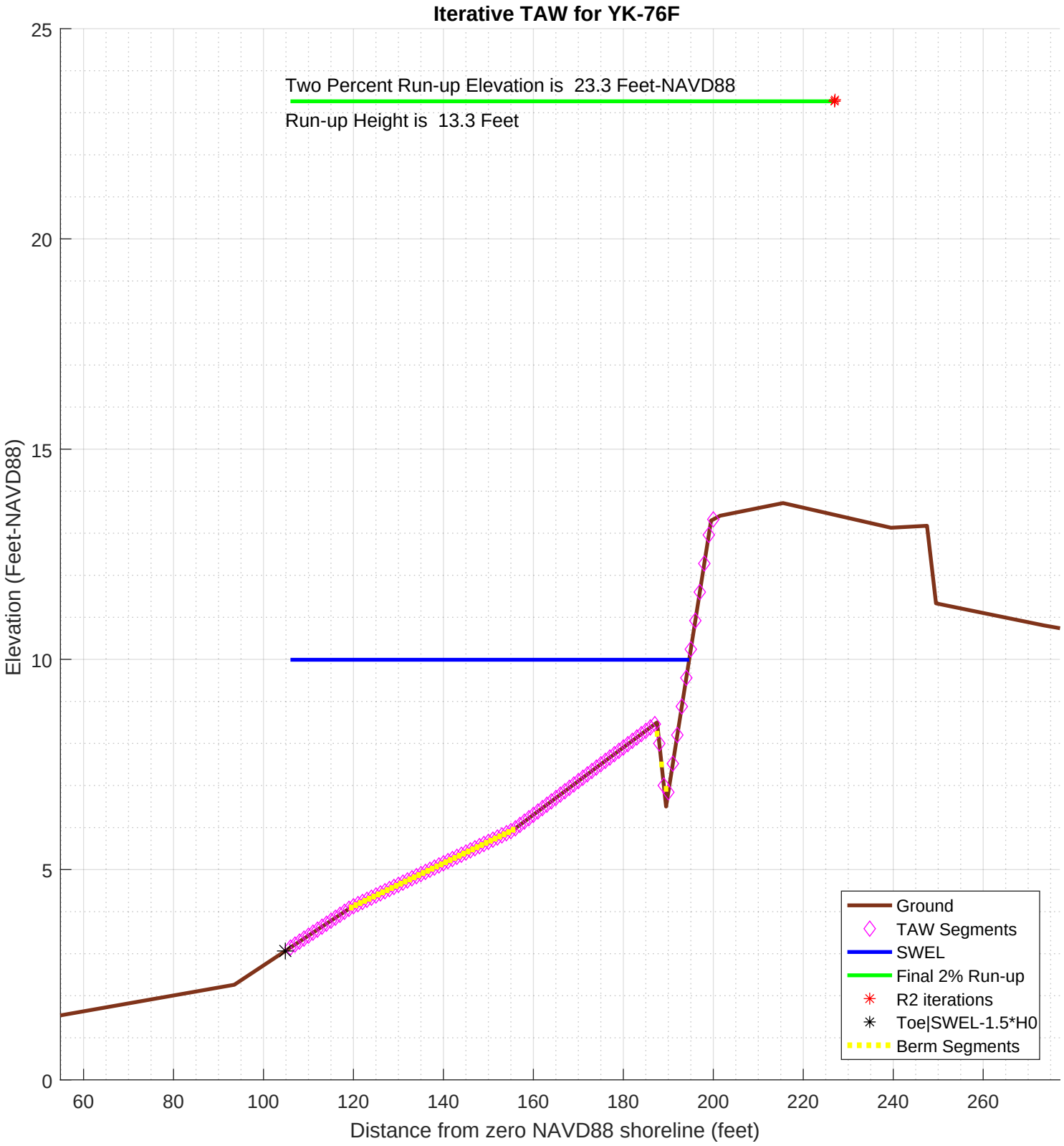
```
_____________________________________________________________
PART 4: TAW

Input Paramters:
    TWL- 8.8908 feet
    HS-  4.5874 feet
    PER- 13.8735 seconds
    TOE- x: 93.51 , z: 2.261 feet
    TOP- x: 199.5 , z: 13.3 feet
    GBERM-   0.84749
    GGROUGH- 1
    GBETA-   1
    GPERM-   1

RUNNING TAW:
...
MATLAB DIARY: /4_taw/logfiles/YK-76F-DIARY.txt

CHECKING VALIDITY:
...
TAW method is valid!
Using TAW runup to detemine runup elevation
TAW 2% runup: 23.2725 feet

PART 4 COMPLETE_____________________________________________
```


Iterative TAW for YK-76F
Two Percent Run-up Elevation is 23.3 Feet-NAVD88
Run-up Height is 13.3 Feet
Elevation (Feet-NAVD88)
Distance from zero NAVD88 shoreline (feet)
0
5
10
15
20
25
60
80
100
120
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 Wells, York county, Maine
% TRANSECT ID: YK-76F
% calculation by SJH, Ransom Consulting, Inc. 05-Mar-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-76Fsta_ele_include.csv';   % file with station, elevation, include
                                    % third colunm is 0 for excluded points
imgname='logfiles/YK-76F-runup';
SWEL=8.8908;  % 100-yr still water level including wave setup.
H0=4.5874;    % significant wave height at toe of structure
Tp=13.8735;    % peak period, 1/fma,
T0=Tp/1.1;

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

setupAtToe=1.055;
maxSetup=1.4462;   % only used in case of berm/shallow foreshore weighted average

plotTitle='Iterative TAW for YK-76F'

plotTitle =

Iterative TAW for YK-76F



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

SWEL=SWEL+setupAtToe

SWEL =

                    9.9458

SWEL_fore=SWEL+maxSetup

SWEL_fore =

                    11.392



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

L0 =

          813.931423408094


% 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 =

                    3.0647


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

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

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


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

Z2 =

                   16.8269


% 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 =

          104.854303700985

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

top_sta =

          209.483494914004


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

top_sta =

          209.483494914004

toe_sta

toe_sta =

          104.854303700985




% 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 103.7 ft landward of toe of slope


ans =

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


ans =

-!!-       setup is adjusted to 1.10 feet


ans =

-!!-       SWEL is adjusted to 9.99 feet


k =

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



% 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 =
                    3.0647
toe_sta =
          104.854303700985
top_sta =
          209.483494914004
Z2 =
                   16.8269
H0 =
                    4.5874
Tp =
                   13.8735
T0 =
          12.6122727272727
R2 =
                   13.7622
Z2 =
          23.7527219544662
top_sta =
          228.259987514006
Lslope =
          123.405683813021
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 14
dh =
          5.89307245446621
rdh_sum =
         0.716167472482845
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 15
```

```
dh =
          5.83694945446621
rdh_sum =
          1.42363128983796
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 16
dh =
          5.78586645446621
rdh_sum =
          2.12310637609157
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 17
dh =
          5.73478295446621
rdh_sum =
          2.81453162317271
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 18
dh =
          5.68369945446621
rdh_sum =
          3.49784846377725
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 19
dh =
          5.63261645446621
rdh_sum =
          4.17300089157933
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 20
dh =
          5.58153295446621
rdh_sum =
          4.83993523836479
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 21
dh =
          5.53044945446621
rdh_sum =
          5.49860042991639
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 22
dh =
          5.47936645446621
rdh_sum =
          6.14894800363932
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 23
dh =
          5.42828295446621
rdh_sum =
          6.79093187892518
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 24
dh =
          5.37719945446621
rdh_sum =
          7.42450861525116
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 25
dh =
          5.32611645446621
rdh_sum =
          8.04963742717139
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 26
dh =
          5.27503295446621
rdh_sum =
          8.66627994854331
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 27
dh =
          5.22394945446621
rdh_sum =
          9.27440049213063
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 28
dh =
          5.17286645446621
rdh_sum =
          9.87396606191892
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 29
dh =
          5.12178295446621
rdh_sum =
          10.4649461118537
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 30
```

```
dh =
          5.07069945446621
rdh_sum =
          11.0473128062324
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 31
dh =
          5.01961595446621
rdh_sum =
          11.6210409446421
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 32
dh =
          4.96853245446621
rdh_sum =
          12.1861079696702
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 33
dh =
          4.91744945446621
rdh_sum =
          12.7424940588632
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 34
dh =
          4.86636595446621
rdh_sum =
          13.2901818758004
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 35
dh =
          4.81528245446621
rdh_sum =
          13.8291568302074
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 36
dh =
          4.76419945446621
rdh_sum =
          14.3594070829912
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 37
dh =
          4.71311595446621
rdh_sum =
          14.8809232936252
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 38
dh =
          4.66203245446621
rdh_sum =
          15.3936988791405
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 39
dh =
          4.61094945446621
rdh_sum =
          15.8977300163976
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 40
dh =
          4.55986595446621
rdh_sum =
          16.3930153864785
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 41
dh =
          4.50878245446621
rdh_sum =
          16.8795564318426
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 42
dh =
          4.45769945446621
rdh_sum =
          17.3573573558292
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 43
dh =
          4.40661645446621
rdh_sum =
          17.8264249501997
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 44
dh =
          4.35553295446621
rdh_sum =
          18.2867685933252
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 45
```

```
dh =
          4.30444945446621
rdh_sum =
          18.7384004182236
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 46
dh =
          4.25336645446621
rdh_sum =
          19.1813353083719
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 47
dh =
          4.20228295446621
rdh_sum =
          19.6155906378616
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 48
dh =
          4.15119945446621
rdh_sum =
          20.0411865215323
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 49
dh =
          4.10011595446621
rdh_sum =
          20.4581457236147
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 50
dh =
          4.04188645446621
rdh_sum =
          20.8652912070284
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 82
dh =
          1.76039245446621
rdh_sum =
          20.9534112485267
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 83
dh =
          2.49052195446621
rdh_sum =
          21.1244698638118
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 84
dh =
          3.07052195446621
rdh_sum =
          21.3762887683167
ans =
!------- End Berm Factor Calculation, Iter: 1 ---------!
berm_width =
    40
rB =
          0.324134178945974
rdh_mean =
          0.534407219207917
gamma_berm =
          0.849085466274785
slope =
          0.248040912905225
Irb =
           3.30395347978937
gamma_berm =
          0.849085466274785
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
     1
gamma =
          0.849085466274785
ans =
!!! - - Iribaren number:   2.81 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.0 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          13.3202737774366
R2del =
          0.441926222563438
Z2 =
           23.3107957319028
ans =
!----------------- STARTING ITERATION 2 -----------------!
Ztoe =
                    3.0647
```

```
toe_sta =
          104.854303700985
top_sta =
          227.061887923479
Z2 =
          23.3107957319028
H0 =
                    4.5874
Tp =
                   13.8735
T0 =
          12.6122727272727
R2 =
          13.3202737774366
Z2 =
          23.3107957319028
top_sta =
          227.061887923479
Lslope =
          122.207584222494
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 14
dh =
          5.89307245446621
rdh_sum =
         0.716167472482845
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 15
dh =
          5.83694945446621
rdh_sum =
          1.42363128983796
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 16
dh =
          5.78586645446621
rdh_sum =
          2.12310637609157
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 17
dh =
          5.73478295446621
rdh_sum =
          2.81453162317271
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 18
dh =
          5.68369945446621
rdh_sum =
          3.49784846377725
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 19
dh =
          5.63261645446621
rdh_sum =
          4.17300089157933
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 20
dh =
          5.58153295446621
rdh_sum =
          4.83993523836479
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 21
dh =
          5.53044945446621
rdh_sum =
          5.49860042991639
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 22
dh =
          5.47936645446621
rdh_sum =
          6.14894800363932
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 23
dh =
          5.42828295446621
rdh_sum =
          6.79093187892518
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 24
dh =
          5.37719945446621
rdh_sum =
          7.42450861525116
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 25
dh =
          5.32611645446621
```

```
rdh_sum =
          8.04963742717139
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 26
dh =
          5.27503295446621
rdh_sum =
          8.66627994854331
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 27
dh =
          5.22394945446621
rdh_sum =
          9.27440049213063
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 28
dh =
          5.17286645446621
rdh_sum =
          9.87396606191892
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 29
dh =
          5.12178295446621
rdh_sum =
          10.4649461118537
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 30
dh =
          5.07069945446621
rdh_sum =
          11.0473128062324
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 31
dh =
          5.01961595446621
rdh_sum =
          11.6210409446421
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 32
dh =
          4.96853245446621
rdh_sum =
          12.1861079696702
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 33
dh =
          4.91744945446621
rdh_sum =
          12.7424940588632
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 34
dh =
          4.86636595446621
rdh_sum =
          13.2901818758004
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 35
dh =
          4.81528245446621
rdh_sum =
          13.8291568302074
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 36
dh =
          4.76419945446621
rdh_sum =
          14.3594070829912
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 37
dh =
          4.71311595446621
rdh_sum =
          14.8809232936252
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 38
dh =
          4.66203245446621
rdh_sum =
          15.3936988791405
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 39
dh =
          4.61094945446621
rdh_sum =
          15.8977300163976
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 40
dh =
          4.55986595446621
```

```
rdh_sum =
          16.3930153864785
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 41
dh =
          4.50878245446621
rdh_sum =
          16.8795564318426
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 42
dh =
          4.45769945446621
rdh_sum =
          17.3573573558292
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 43
dh =
          4.40661645446621
rdh_sum =
          17.8264249501997
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 44
dh =
          4.35553295446621
rdh_sum =
          18.2867685933252
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 45
dh =
          4.30444945446621
rdh_sum =
          18.7384004182236
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 46
dh =
          4.25336645446621
rdh_sum =
          19.1813353083719
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 47
dh =
          4.20228295446621
rdh_sum =
          19.6155906378616
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 48
dh =
          4.15119945446621
rdh_sum =
          20.0411865215323
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 49
dh =
          4.10011595446621
rdh_sum =
          20.4581457236147
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 50
dh =
          4.04188645446621
rdh_sum =
          20.8652912070284
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 82
dh =
          1.76039245446621
rdh_sum =
          20.9534112485267
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 83
dh =
          2.49052195446621
rdh_sum =
          21.1244698638118
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 84
dh =
          3.07052195446621
rdh_sum =
          21.3762887683167
ans =
!------- End Berm Factor Calculation, Iter: 2 ---------!
berm_width =
    40
rB =
         0.327311927933827
rdh_mean =
         0.534407219207917
gamma_berm =
         0.847605929286872
```

```
slope =
         0.246280144628833
Irb =
          3.28049970191963
gamma_berm =
         0.847605929286872
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
     1
gamma =
         0.847605929286872
ans =
!!! - - Iribaren number:   2.78 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.1 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          13.2848498346954
R2del =
        0.0354239427411969
Z2 =
          23.2753717891616
ans =
!----------------- STARTING ITERATION 3 -----------------!
Ztoe =
                    3.0647
toe_sta =
          104.854303700985
top_sta =
          226.965850600672
Z2 =
          23.2753717891616
H0 =
                    4.5874
Tp =
                   13.8735
T0 =
          12.6122727272727
R2 =
          13.2848498346954
Z2 =
          23.2753717891616
top_sta =
          226.965850600672
Lslope =
          122.111546899687
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 14
dh =
          5.89307245446621
rdh_sum =
         0.716167472482845
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 15
dh =
          5.83694945446621
rdh_sum =
          1.42363128983796
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 16
dh =
          5.78586645446621
rdh_sum =
          2.12310637609157
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 17
dh =
          5.73478295446621
rdh_sum =
          2.81453162317271
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 18
dh =
          5.68369945446621
rdh_sum =
          3.49784846377725
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 19
dh =
          5.63261645446621
rdh_sum =
          4.17300089157933
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 20
dh =
          5.58153295446621
rdh_sum =
          4.83993523836479
```

```
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 21
dh =
          5.53044945446621
rdh_sum =
          5.49860042991639
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 22
dh =
          5.47936645446621
rdh_sum =
          6.14894800363932
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 23
dh =
          5.42828295446621
rdh_sum =
          6.79093187892518
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 24
dh =
          5.37719945446621
rdh_sum =
          7.42450861525116
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 25
dh =
          5.32611645446621
rdh_sum =
          8.04963742717139
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 26
dh =
          5.27503295446621
rdh_sum =
          8.66627994854331
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 27
dh =
          5.22394945446621
rdh_sum =
          9.27440049213063
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 28
dh =
          5.17286645446621
rdh_sum =
          9.87396606191892
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 29
dh =
          5.12178295446621
rdh_sum =
          10.4649461118537
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 30
dh =
          5.07069945446621
rdh_sum =
          11.0473128062324
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 31
dh =
          5.01961595446621
rdh_sum =
          11.6210409446421
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 32
dh =
          4.96853245446621
rdh_sum =
          12.1861079696702
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 33
dh =
          4.91744945446621
rdh_sum =
          12.7424940588632
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 34
dh =
          4.86636595446621
rdh_sum =
          13.2901818758004
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 35
dh =
          4.81528245446621
rdh_sum =
          13.8291568302074
```

```
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 36
dh =
          4.76419945446621
rdh_sum =
          14.3594070829912
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 37
dh =
          4.71311595446621
rdh_sum =
          14.8809232936252
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 38
dh =
          4.66203245446621
rdh_sum =
          15.3936988791405
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 39
dh =
          4.61094945446621
rdh_sum =
          15.8977300163976
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 40
dh =
          4.55986595446621
rdh_sum =
          16.3930153864785
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 41
dh =
          4.50878245446621
rdh_sum =
          16.8795564318426
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 42
dh =
          4.45769945446621
rdh_sum =
          17.3573573558292
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 43
dh =
          4.40661645446621
rdh_sum =
          17.8264249501997
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 44
dh =
          4.35553295446621
rdh_sum =
          18.2867685933252
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 45
dh =
          4.30444945446621
rdh_sum =
          18.7384004182236
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 46
dh =
          4.25336645446621
rdh_sum =
          19.1813353083719
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 47
dh =
          4.20228295446621
rdh_sum =
          19.6155906378616
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 48
dh =
          4.15119945446621
rdh_sum =
          20.0411865215323
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 49
dh =
          4.10011595446621
rdh_sum =
          20.4581457236147
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 50
dh =
          4.04188645446621
rdh_sum =
          20.8652912070284
```

```
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 82
dh =
          1.76039245446621
rdh_sum =
          20.9534112485267
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 83
dh =
          2.49052195446621
rdh_sum =
          21.1244698638118
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 84
dh =
          3.07052195446621
rdh_sum =
          21.3762887683167
ans =
!------- End Berm Factor Calculation, Iter: 3 ---------!
berm_width =
    40
rB =
         0.327569349628004
rdh_mean =
         0.534407219207917
gamma_berm =
         0.847486075604443
slope =
         0.246136780419595
Irb =
          3.27859006260876
gamma_berm =
         0.847486075604443
gamma_perm =
     1
gamma_beta =
     1
gamma_rough =
     1
gamma =
         0.847486075604443
ans =
!!! - - Iribaren number:   2.78 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:4.1 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2_new =
          13.2819712759408
R2del =
       0.00287855875457943
Z2 =
          23.272493230407
% final 2% runup elevation
Z2=R2_new+SWEL
Z2 =
          23.272493230407
diary off
-1.000000e+00
```

_____
PART 5: RUNUP2

for transect: YK-76F

Station locations shifted by: -35.00 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input

_____RUNUP2 INPUT CONVERSIONS_____
for transect: YK-76F

Incident significant wave height: 18.61 feet

Peak wave period: 14.03 seconds

Mean wave height: 11.65 feet

Local Depth below SWEL: 31.40 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 = 31.40
Period, T = 11.93
Waveheight, H = 11.65
Deep water wavelength, L0 (ft)
L0 = g*T*T/twopi
L0 = 32.17*11.93*11.93/6.28 = 728.24
Deep water wave celerity, C0 (ft/s)
C0 = L0/T
C0 = 728.24/11.93 = 61.07
Angular frequency, sigma (rad/s)
sigma = twopi/T
sigma = 6.28/11.93 = 0.53
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
y = sigma.*sigma.*D./g
y = 0.53*0.53*31.40/32.17 = 0.27
C1H = sqrt(g.*D./(y+1./(1 + 0.6522.*y + 0.4622.*y.^2 + 0.0864.*y.^4 +0.0675.*y.^5)))
C1H = 30.35
Shoaling Coefficient KsH
KsH = sqrt(C0/C1H)
KsH = sqrt(61.07/30.35) = 1.42
Deepwater Wave Height H0_H (ft)
H0_H = H/KsH
H0_H = 11.65/1.42 = 8.21

Deepwater mean wave height: 8.21 feet

_____END RUNUP2 CONVERSIONS_____

_____RUNUP2 RESULTS_____
for transect: YK-76F

RUNUP2 SWEL:
8.90
8.90
8.90
8.90

8.90
8.90
8.90
8.90
8.90

RUNUP2 deepwater mean wave heights:
7.80
7.80
7.80
8.21
8.21
8.21
8.62
8.62
8.62

RUNUP2 mean wave periods:
11.33
11.93
12.52
11.33
11.93
12.52
11.33
11.93
12.52

RUNUP2 runup above SWEL:
1.48
1.48
1.44
1.48
1.56
1.56
1.55
1.59
1.72

RUNUP2 Mean runup height above SWEL: 1.54 feet

RUNUP2 2-percent runup height above SWEL: 3.39 feet

RUNUP2 2-percent runup elevation: 12.29 feet-NAVD88

RUNUP2 Messages:
No Messages

_____END RUNUP2 RESULTS_____

_____ACES BEACH RUNUP_____

Incident significant wave height: 18.61 feet

Significant wave height deshoaled using Hunt equation

Deepwater significant wave height: 11.50 feet

Peak wave period: 14.03 seconds

Average beach Slope: 1:47.47 (H:V)

ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'

ACES Beach 2-percent runup height above SWEL: 6.75 feet

ACES Beach 2-percent runup elevation: 15.65 feet-NAVD88

ACES BEACH RUNUP is valid

_____END ACES BEACH RESULTS_____

PART 5 COMPLETE_____

```
  FEMA                                                  sjh           job 2
  RUNUP2 transect: YK-76F                                               1
2.00
  -22.50 -1465.1 1.0
  -21.41 -1417.1 1.0
  -21.41 -1395.1 1.0
  -19.76 -1249.1 1.0
  -17.57 -1171.1 1.0
  -16.45 -1105.1 1.0
  -15.96 -979.1 1.0
  -15.54 -935.1 1.0
  -14.50 -755.1 1.0
  -14.49 -653.1 1.0
  -14.02 -629.1 1.0
  -10.39 -525.1 1.0
  -8.30 -453.1 1.0
  -5.57 -341.1 1.0
  -3.68 -251.1 1.0
  0.00  0.0    1.0
  2.26  128.5  1.0
  5.94  190.5  1.0
  8.50  224.5  1.0
1 13.30 234.5  1.0
 8.9   7.80  11.33
 8.9   7.80  11.93
 8.9   7.80  12.52
 8.9   8.21  11.33
 8.9   8.21  11.93
 8.9   8.21  12.52
 8.9   8.62  11.33
 8.9   8.62  11.93
 8.9   8.62  12.52
```

****

CROSS SECTION PROFILE

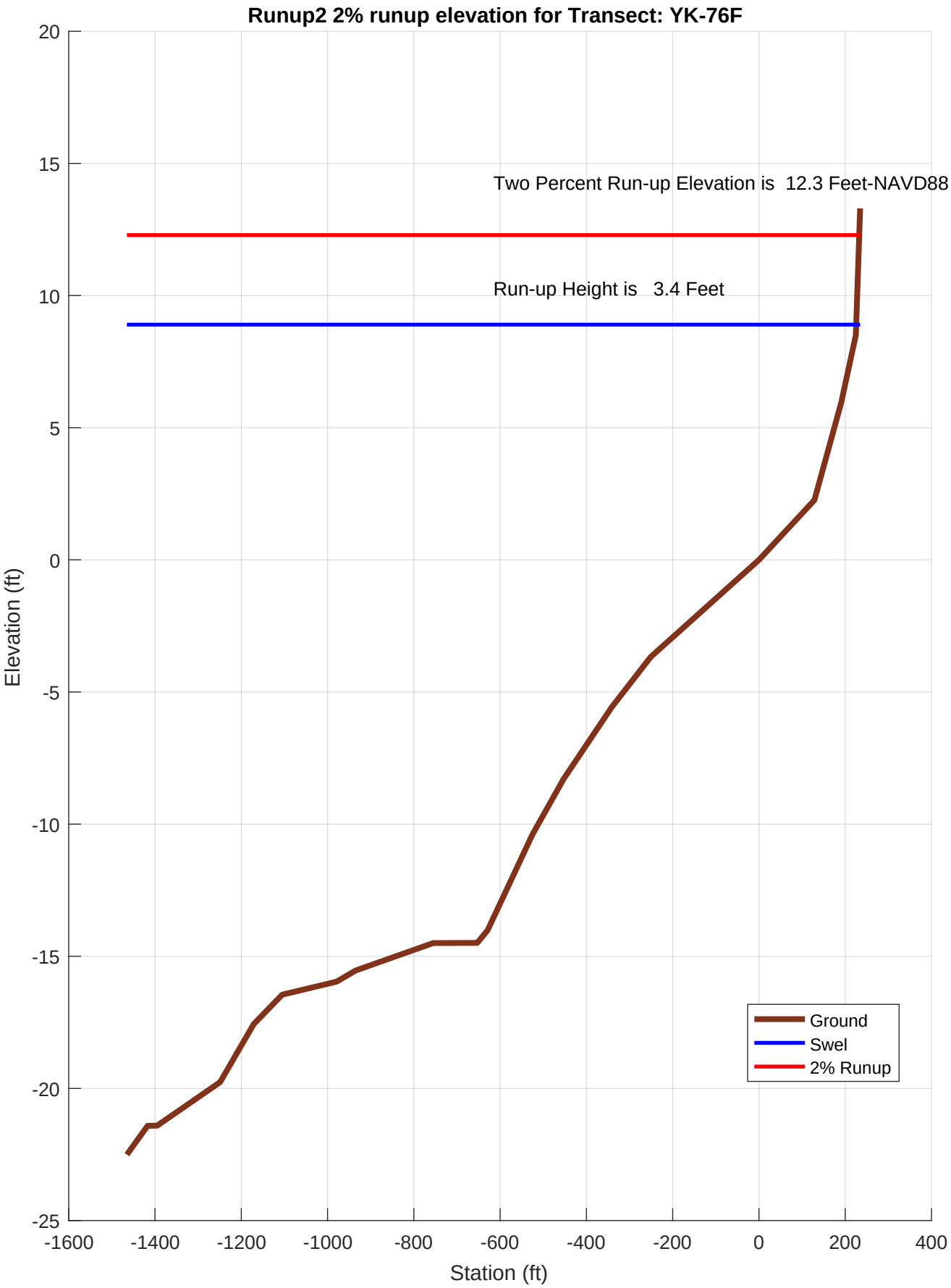
	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-146.5	-22.5		
			.00	11.00
2	-141.7	-21.4		
			FLAT	11.00
3	-139.5	-21.4		
			8.59	11.00
4	-124.9	-19.7		
			3.55	11.00
5	-117.1	-17.5		
			6.00	11.00
6	-110.5	-16.4		
			*******	11.00
7	-979.0	-15.9		
			110.00	1.00
8	-935.0	-15.5		
			180.00	1.00
9	-755.0	-14.5		
			FLAT	1.00
10	-653.0	-14.4		
			60.00	1.00
11	-629.0	-14.0		
			28.11	1.00
12	-525.0	-10.3		
			35.95	1.00
13	-453.1	-8.3		
			41.03	1.00
14	-341.1	-5.6		
			47.62	1.00
15	-251.1	-3.7		
			68.23	1.00
16	.0	.0		
			56.86	1.00
17	128.5	2.3		
			16.85	1.00
18	190.5	5.9		
			13.28	1.00
19	224.5	8.5		
			2.08	1.00
20	234.5	13.3		

LAST SLOPE 2.00 LAST ROUGHNESS 1.00

****

OUTPUT TABLE

INPUT PARAMETERS			RUNUP RESULTS			
WATER LEVEL ABOVE DATUM (FT.)	DEEP WATER WAVE HEIGHT (FT.)	WAVE PERIOD (SEC.)	BREAKING SLOPE NUMBER	RUNUP SLOPE NUMBER	RUNUP ABOVE WATER LEVEL (FT.)	BREAKER DEPTH (FT.)
8.90	7.80	11.33	11	19	1.48	14.57
8.90	7.80	11.93	11	19	1.48	14.87
8.90	7.80	12.52	11	19	1.44	15.16
8.90	8.21	11.33	11	19	1.48	15.18
8.90	8.21	11.93	11	19	1.56	15.49
8.90	8.21	12.52	11	19	1.56	15.79
8.90	8.62	11.33	11	19	1.55	15.80
8.90	8.62	11.93	11	19	1.59	16.11
8.90	8.62	12.52	11	19	1.72	16.42


Runup2 2% runup elevation for Transect: YK-76F
Two Percent Run-up Elevation is 12.3 Feet-NAVD88
Run-up Height is 3.4 Feet
Ground
Swel
2% Runup
Elevation (ft)
Station (ft)
20
15
10
5
0
-5
-10
-15
-20
-25
-1600
-1400
-1200
-1000
-800
-600
-400
-200
0
200
400