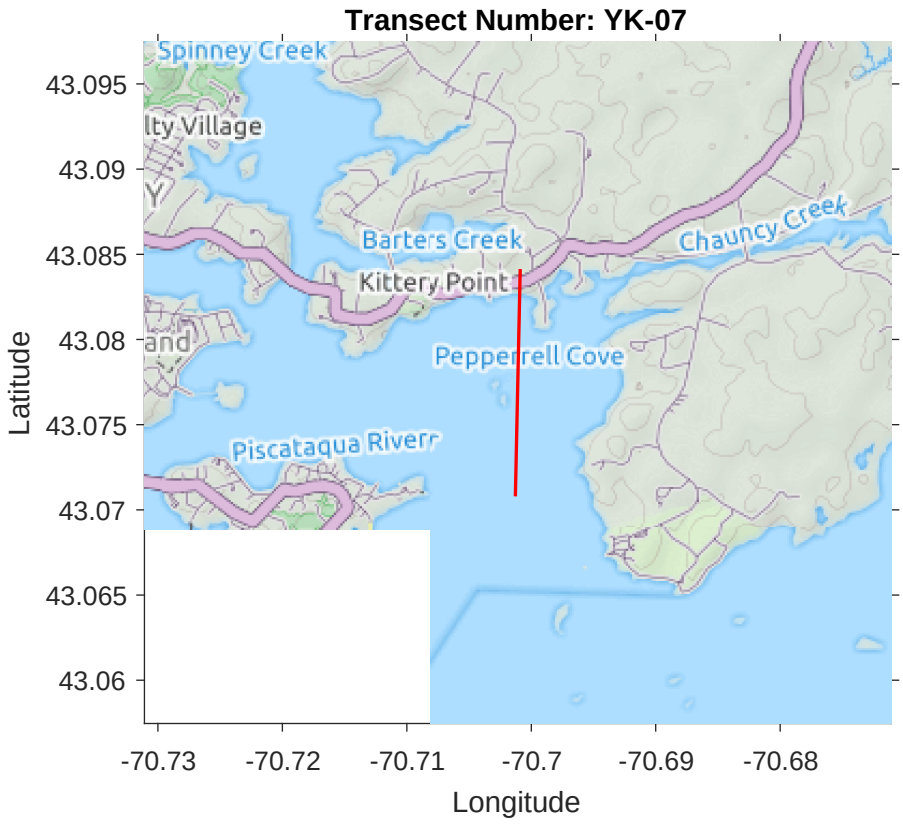
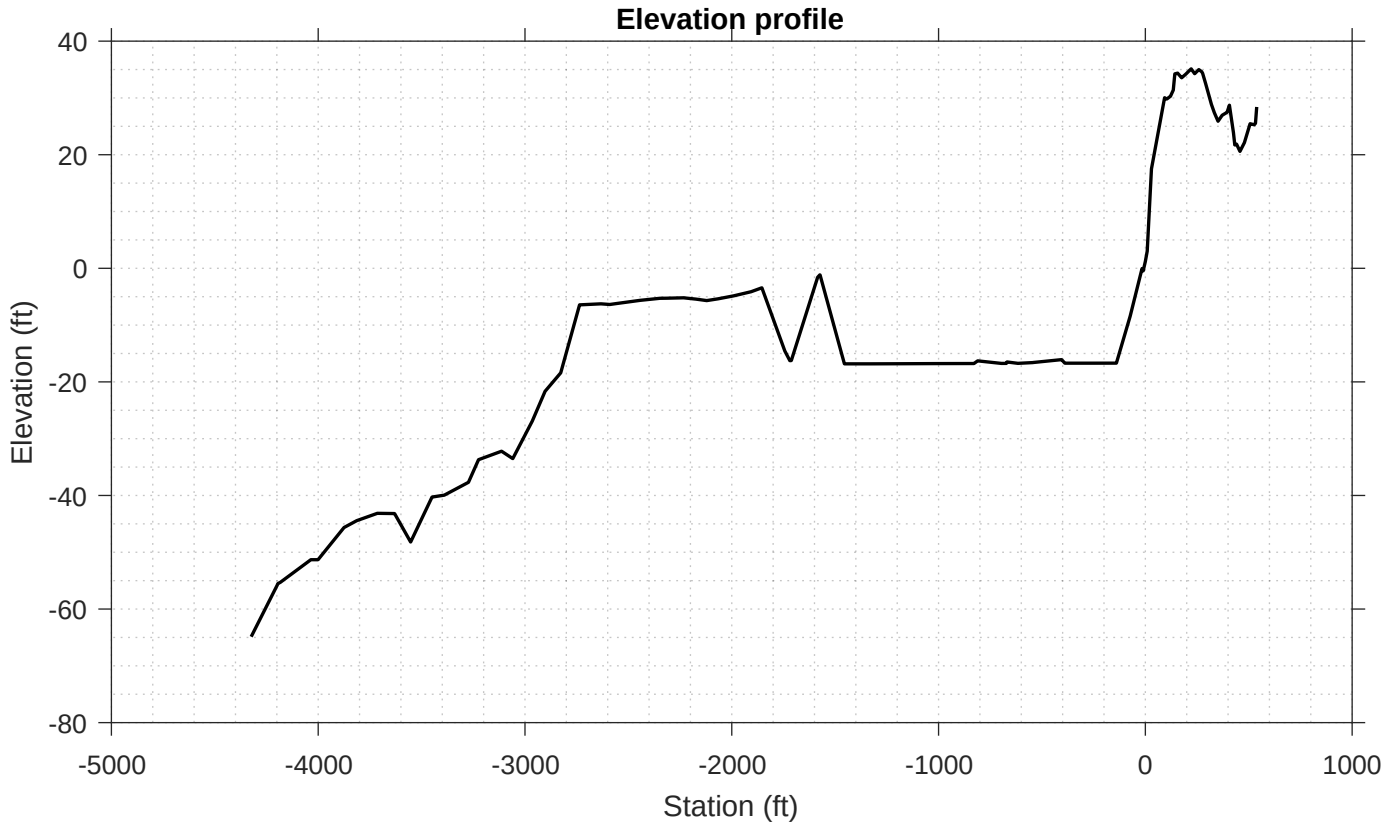

Transect Number: YK-07
Spinney Creek
lty Village
Barters Creek
Kittery Point
Chauncy Creek
Pepperrell Cove
Piscataqua Riverr
43.095
43.09
43.085
43.08
43.075
43.07
43.065
43.06
Latitude
-70.73
-70.72
-70.71
-70.7
-70.69
-70.68
Longitude


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

DATA LOG FOR TRANSECT ID: YK-07

PART 1: USER INPUT

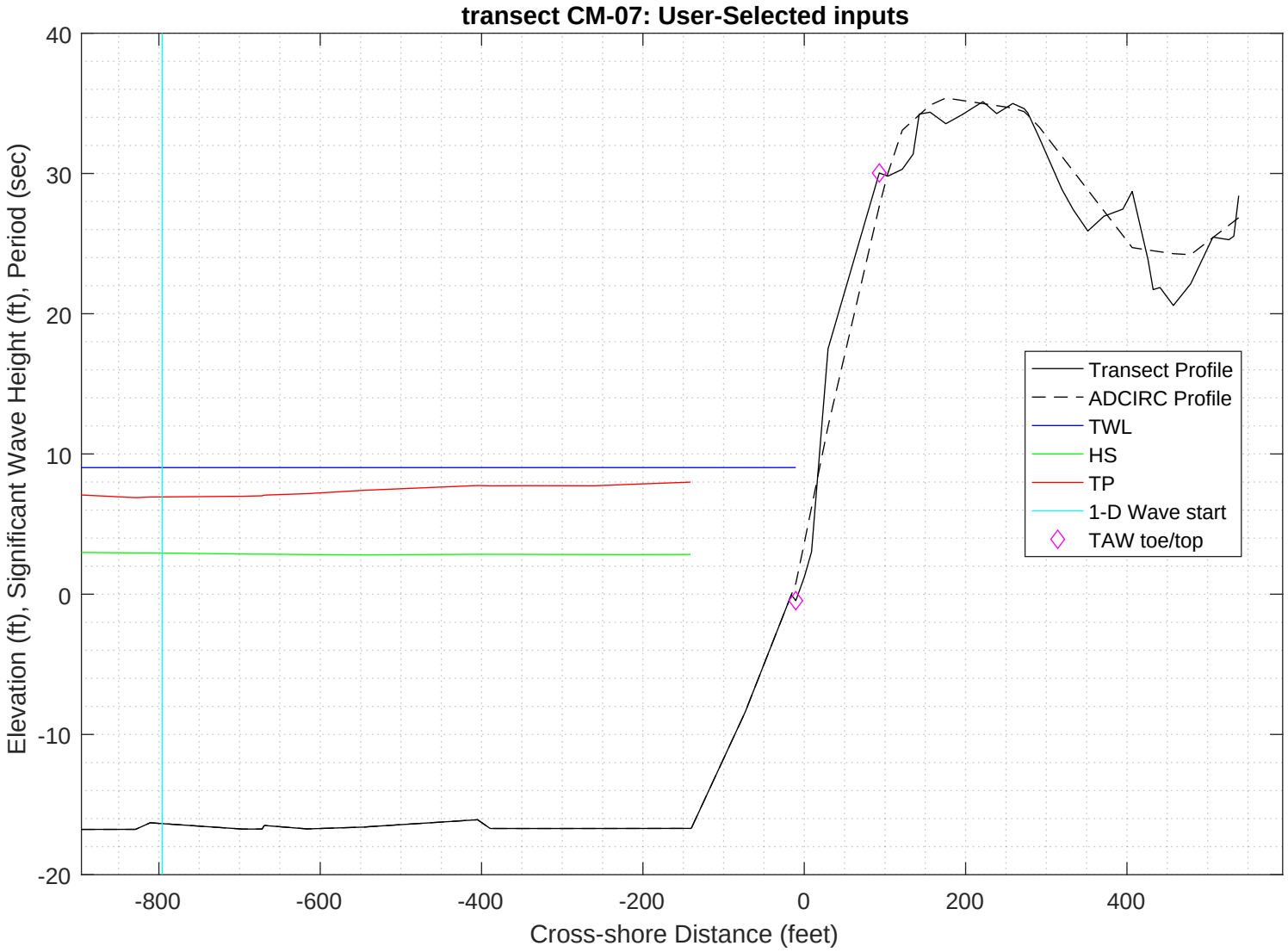
SWAN 1-D / WHAFIS input

station: -796 ft
LON: -70.701 deg E
LAT: 43.0805 deg N
Bottom ELEV: -16.3564 ft-NAVD88
TWL: 9.0273 ft-NAVD88
HS: 2.9371 ft
TP: 6.937 sec
Wave Direction bin: 90 deg CCW from East (90 deg sector)
Transect Direction: 88.3456 deg CCW from East

TAW/RUNUP input

toe sta: -10.5 ft
toe elev: -0.45932 ft-NAVD88
top sta: 93 ft
top elev: 30.0361 ft-NAVD88
Wave and water level conditions at toe to be calculated in SWAN 1-D

PART 1 COMPLETE


transect CM-07: User-Selected inputs
Elevation (ft), Significant Wave Height (ft), Period (sec)
Cross-shore Distance (feet)
40
30
20
10
0
-10
-20
-800
-600
-400
-200
0
200
400
Transect Profile
ADCIRC Profile
TWL
HS
TP
1-D Wave start
TAW toe/top

PART 2: SWAN 1-D

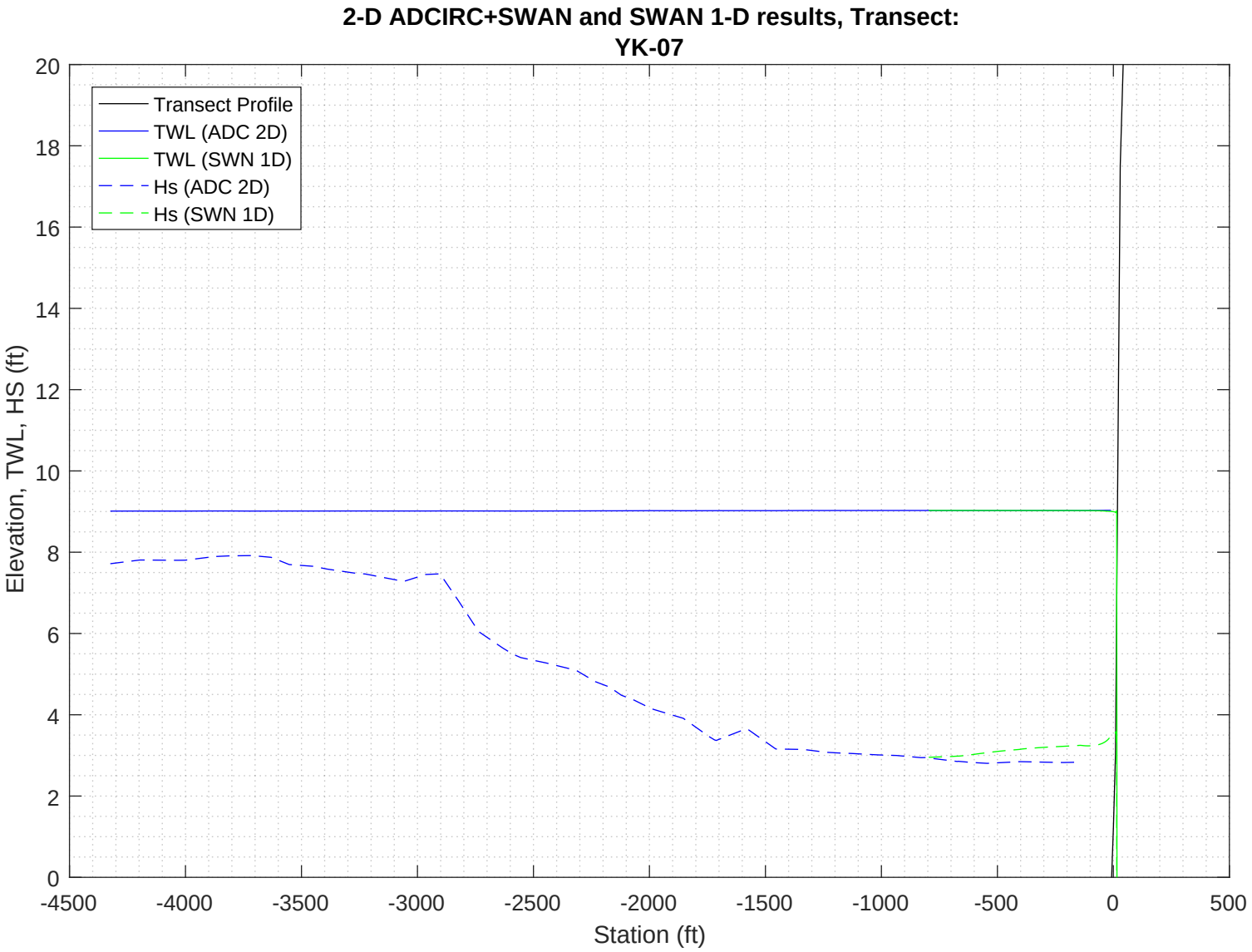
swan input grid name: 2_swan/gridfiles/YK-07zmeters_xmeters.grd
swan file name: 2_swan/swanfiles/YK-07.swn
swan output name: 2_swan/swanfiles/YK-07.dat

Boundary Conditions:
    TWL- 2.7515 meters
    HS- 0.89523 meters
    PER- 6.937 seconds

Batch File: 2_swan/swanfiles/runswan.dat

SWAN maximum additional wave setup: 0 feet
SWAN output at toe:
    SETUP- -0.02211 feet
    HS-   3.4318 feet
    PER-   6.9867 seconds

PART 2 COMPLETE


2-D ADCIRC+SWAN and SWAN 1-D results, Transect:
YK-07
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
-4500
-4000
-3500
-3000
-2500
-2000
-1500
-1000
-500
0
500

1

Execution started at 20200206.151503

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      251       0.   251     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      251   0      1       1
!READinp BOTtom [fac]  'fname1'  [idla]  [nhedf]  [FREe|FORmat[form]|UNFormatted]
 READ    BOTTOM   -1. '../gridfiles/YK-07zmeters_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   0.89523     6.937     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      251  251    0
 !TABLe 'sname' < HEADer|NOHEADer|INDexed > 'fname' <output parameters> (output time)
  Table 'curve'   HEADER 'YK-07.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             252 MYC              1
                      : MCGRD           253
                      : 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  18.15 % of wet grid points ( 99.50 % required)

iteration    3; sweep 1
iteration    3; sweep 2
iteration    3; sweep 3
iteration    3; sweep 4
accuracy OK in   0.41 % 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  18.55 % of wet grid points ( 99.50 % required)

iteration    5; sweep 1
iteration    5; sweep 2
iteration    5; sweep 3
iteration    5; sweep 4
accuracy OK in  99.20 % 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 100.00 % of wet grid points ( 99.50 % required)


STOP
```

%
%
% Run:1 Table:curve SWAN version:41.20A
%
% Xp Yp Hsig TPsmoo RTpeak Tm_10 Dir Dspr Depth Setup
% [m] [m] [m] [sec] [sec] [sec] [degr] [degr] [m] [m]
%

Xp [m]	Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0.	0.	0.90046	6.9617	7.2016	6.2284	0.111	32.5508	7.7400	-0.000007
1.	0.	0.90060	6.9617	7.2016	6.2275	0.111	32.5521	7.7400	-0.000008
2.	0.	0.90080	6.9617	7.2016	6.2267	0.111	32.5664	7.7400	-0.000009
3.	0.	0.90098	6.9617	7.2016	6.2256	0.112	32.5845	7.7500	-0.000006
4.	0.	0.90121	6.9616	7.2016	6.2248	0.112	32.6038	7.7500	-0.000007
5.	0.	0.90140	6.9616	7.2016	6.2238	0.112	32.6235	7.7600	-0.000005
6.	0.	0.90157	6.9616	7.2016	6.2229	0.112	32.6302	7.7600	-0.000006
7.	0.	0.90179	6.9616	7.2016	6.2221	0.112	32.6464	7.7600	-0.000007
8.	0.	0.90197	6.9615	7.2016	6.2210	0.112	32.6644	7.7700	-0.000005
9.	0.	0.90220	6.9615	7.2016	6.2202	0.112	32.6832	7.7700	-0.000006
10.	0.	0.90239	6.9614	7.2016	6.2191	0.113	32.7024	7.7800	-0.000004
11.	0.	0.90256	6.9614	7.2016	6.2182	0.113	32.7086	7.7800	-0.000005
12.	0.	0.90278	6.9614	7.2016	6.2173	0.113	32.7245	7.7800	-0.000006
13.	0.	0.90296	6.9614	7.2016	6.2162	0.113	32.7419	7.7900	-0.000004
14.	0.	0.90320	6.9614	7.2016	6.2153	0.113	32.7600	7.7900	-0.000005
15.	0.	0.90339	6.9613	7.2016	6.2141	0.113	32.7784	7.8000	-0.000002
16.	0.	0.90356	6.9613	7.2016	6.2132	0.114	32.7842	7.8000	-0.000003
17.	0.	0.90378	6.9613	7.2016	6.2122	0.114	32.7998	7.8000	-0.000005
18.	0.	0.90396	6.9612	7.2016	6.2111	0.114	32.8164	7.8100	-0.000002
19.	0.	0.90420	6.9612	7.2016	6.2101	0.114	32.8338	7.8100	-0.000003
20.	0.	0.90439	6.9611	7.2016	6.2090	0.114	32.8516	7.8200	-0.000001
21.	0.	0.90456	6.9611	7.2016	6.2080	0.114	32.8570	7.8200	-0.000002
22.	0.	0.90479	6.9611	7.2016	6.2070	0.114	32.8724	7.8200	-0.000003
23.	0.	0.90497	6.9611	7.2016	6.2058	0.115	32.8886	7.8300	-0.000001
24.	0.	0.90515	6.9610	7.2016	6.2047	0.115	32.8933	7.8300	-0.000002
25.	0.	0.90538	6.9610	7.2016	6.2037	0.115	32.9083	7.8300	-0.000003
26.	0.	0.90556	6.9610	7.2016	6.2024	0.115	32.9238	7.8400	-0.000001
27.	0.	0.90580	6.9610	7.2016	6.2014	0.115	32.9401	7.8400	-0.000002
28.	0.	0.90600	6.9609	7.2016	6.2001	0.115	32.9569	7.8500	0.000000
29.	0.	0.90623	6.9609	7.2016	6.1984	0.116	32.9599	7.8500	-0.000001
30.	0.	0.90654	6.9609	7.2016	6.1963	0.116	32.9723	7.8500	-0.000002
31.	0.	0.90684	6.9608	7.2016	6.1938	0.116	32.9845	7.8600	0.000000
32.	0.	0.90712	6.9608	7.2016	6.1914	0.116	32.9857	7.8600	-0.000001
33.	0.	0.90744	6.9608	7.2016	6.1885	0.116	32.9852	7.8600	-0.000002
34.	0.	0.90777	6.9608	7.2016	6.1854	0.116	32.9832	7.8600	-0.000004
35.	0.	0.90811	6.9608	7.2016	6.1822	0.116	32.9809	7.8600	-0.000005
36.	0.	0.90847	6.9607	7.2016	6.1789	0.116	32.9788	7.8600	-0.000007
37.	0.	0.90869	6.9607	7.2016	6.1753	0.117	32.9503	7.8600	-0.000008
38.	0.	0.90883	6.9608	7.2016	6.1715	0.117	32.8724	7.8300	-0.000019
39.	0.	0.90916	6.9610	7.2016	6.1682	0.117	32.8089	7.7800	-0.000037
40.	0.	0.90956	6.9610	7.2016	6.1638	0.117	32.7997	7.7800	-0.000038
41.	0.	0.91000	6.9609	7.2016	6.1591	0.117	32.8015	7.7900	-0.000037
42.	0.	0.91053	6.9609	7.2016	6.1546	0.117	32.8098	7.7900	-0.000038
43.	0.	0.91104	6.9608	7.2016	6.1496	0.117	32.8200	7.8000	-0.000037
44.	0.	0.91162	6.9608	7.2016	6.1446	0.117	32.8305	7.8000	-0.000038
45.	0.	0.91221	6.9608	7.2016	6.1389	0.117	32.8409	7.8100	-0.000037
46.	0.	0.91287	6.9608	7.2016	6.1330	0.117	32.8515	7.8100	-0.000039
47.	0.	0.91353	6.9607	7.2016	6.1265	0.117	32.8615	7.8200	-0.000038
48.	0.	0.91423	6.9607	7.2016	6.1203	0.118	32.8718	7.8200	-0.000040
49.	0.	0.91488	6.9606	7.2016	6.1138	0.119	32.8829	7.8300	-0.000039
50.	0.	0.91553	6.9606	7.2016	6.1074	0.120	32.8822	7.8300	-0.000041
51.	0.	0.91624	6.9606	7.2016	6.1009	0.121	32.8922	7.8300	-0.000043
52.	0.	0.91689	6.9605	7.2016	6.0944	0.123	32.9029	7.8400	-0.000042
53.	0.	0.91761	6.9605	7.2016	6.0880	0.124	32.9147	7.8400	-0.000044
54.	0.	0.91830	6.9605	7.2016	6.0812	0.126	32.9272	7.8500	-0.000043
55.	0.	0.91899	6.9605	7.2016	6.0744	0.126	32.9289	7.8500	-0.000045
56.	0.	0.91968	6.9604	7.2016	6.0676	0.127	32.9301	7.8500	-0.000047
57.	0.	0.92039	6.9604	7.2016	6.0605	0.128	32.9303	7.8500	-0.000049

58.	0.	0.92109	6.9604	7.2016	6.0529	0.130	32.9225	7.8499	-0.000052
59.	0.	0.92185	6.9604	7.2016	6.0453	0.130	32.9129	7.8399	-0.000057
60.	0.	0.92262	6.9604	7.2016	6.0372	0.131	32.9117	7.8399	-0.000060
61.	0.	0.92344	6.9604	7.2016	6.0289	0.131	32.9122	7.8399	-0.000063
62.	0.	0.92428	6.9604	7.2016	6.0204	0.132	32.9141	7.8399	-0.000065
63.	0.	0.92515	6.9604	7.2016	6.0116	0.133	32.9167	7.8399	-0.000068
64.	0.	0.92597	6.9603	7.2016	6.0029	0.136	32.9123	7.8399	-0.000071
65.	0.	0.92676	6.9604	7.2016	5.9950	0.140	32.9092	7.8299	-0.000076
66.	0.	0.92750	6.9603	7.2016	5.9877	0.144	32.9169	7.8299	-0.000079
67.	0.	0.92821	6.9603	7.2016	5.9808	0.152	32.9279	7.8299	-0.000081
68.	0.	0.92889	6.9603	7.2016	5.9742	0.158	32.9425	7.8299	-0.000084
69.	0.	0.92954	6.9603	7.2016	5.9674	0.164	32.9498	7.8299	-0.000086
70.	0.	0.93025	6.9603	7.2016	5.9607	0.171	32.9566	7.8199	-0.000092
71.	0.	0.93096	6.9603	7.2016	5.9538	0.177	32.9727	7.8199	-0.000094
72.	0.	0.93166	6.9603	7.2016	5.9471	0.183	32.9914	7.8199	-0.000097
73.	0.	0.93236	6.9603	7.2016	5.9405	0.191	33.0121	7.8199	-0.000100
74.	0.	0.93301	6.9602	7.2016	5.9339	0.202	33.0258	7.8199	-0.000102
75.	0.	0.93367	6.9603	7.2016	5.9279	0.210	33.0388	7.8099	-0.000108
76.	0.	0.93433	6.9602	7.2016	5.9215	0.217	33.0610	7.8099	-0.000110
77.	0.	0.93498	6.9602	7.2016	5.9150	0.226	33.0775	7.8099	-0.000113
78.	0.	0.93569	6.9603	7.2016	5.9084	0.235	33.0948	7.7999	-0.000119
79.	0.	0.93642	6.9602	7.2016	5.9016	0.244	33.1214	7.7999	-0.000122
80.	0.	0.93713	6.9602	7.2016	5.8944	0.253	33.1424	7.7999	-0.000124
81.	0.	0.93785	6.9602	7.2016	5.8878	0.258	33.1629	7.7899	-0.000130
82.	0.	0.93858	6.9602	7.2016	5.8810	0.263	33.1924	7.7899	-0.000133
83.	0.	0.93930	6.9602	7.2016	5.8739	0.269	33.2163	7.7899	-0.000136
84.	0.	0.94002	6.9602	7.2016	5.8674	0.275	33.2370	7.7799	-0.000142
85.	0.	0.94073	6.9602	7.2016	5.8609	0.278	33.2621	7.7799	-0.000145
86.	0.	0.94141	6.9602	7.2016	5.8542	0.281	33.2812	7.7799	-0.000148
87.	0.	0.94212	6.9602	7.2016	5.8480	0.285	33.3000	7.7698	-0.000154
88.	0.	0.94276	6.9602	7.2016	5.8417	0.293	33.3145	7.7698	-0.000157
89.	0.	0.94343	6.9602	7.2016	5.8359	0.300	33.3281	7.7598	-0.000163
90.	0.	0.94408	6.9602	7.2016	5.8301	0.305	33.3479	7.7598	-0.000166
91.	0.	0.94468	6.9602	7.2016	5.8244	0.309	33.3610	7.7598	-0.000169
92.	0.	0.94531	6.9602	7.2016	5.8191	0.312	33.3725	7.7498	-0.000175
93.	0.	0.94594	6.9602	7.2016	5.8135	0.314	33.3917	7.7498	-0.000177
94.	0.	0.94651	6.9602	7.2016	5.8082	0.315	33.4043	7.7498	-0.000180
95.	0.	0.94710	6.9602	7.2016	5.8033	0.315	33.4156	7.7398	-0.000186
96.	0.	0.94764	6.9602	7.2016	5.7983	0.316	33.4253	7.7398	-0.000188
97.	0.	0.94822	6.9602	7.2016	5.7935	0.318	33.4341	7.7298	-0.000194
98.	0.	0.94881	6.9602	7.2016	5.7884	0.319	33.4505	7.7298	-0.000197
99.	0.	0.94933	6.9602	7.2016	5.7837	0.323	33.4583	7.7298	-0.000200
100.	0.	0.94988	6.9602	7.2016	5.7793	0.325	33.4640	7.7198	-0.000206
101.	0.	0.95043	6.9602	7.2016	5.7747	0.328	33.4766	7.7198	-0.000208
102.	0.	0.95094	6.9602	7.2016	5.7701	0.330	33.4819	7.7198	-0.000211
103.	0.	0.95147	6.9602	7.2016	5.7660	0.332	33.4841	7.7098	-0.000217
104.	0.	0.95199	6.9602	7.2016	5.7617	0.333	33.4924	7.7098	-0.000220
105.	0.	0.95246	6.9601	7.2016	5.7576	0.335	33.4937	7.7098	-0.000222
106.	0.	0.95296	6.9602	7.2016	5.7539	0.336	33.4953	7.6998	-0.000229
107.	0.	0.95342	6.9601	7.2016	5.7499	0.338	33.4966	7.6998	-0.000231
108.	0.	0.95391	6.9601	7.2016	5.7461	0.338	33.4956	7.6898	-0.000237
109.	0.	0.95441	6.9601	7.2016	5.7422	0.339	33.5015	7.6898	-0.000240
110.	0.	0.95487	6.9601	7.2016	5.7382	0.340	33.5013	7.6898	-0.000243
111.	0.	0.95537	6.9601	7.2016	5.7345	0.343	33.4983	7.6798	-0.000249
112.	0.	0.95585	6.9601	7.2016	5.7307	0.346	33.5022	7.6797	-0.000252
113.	0.	0.95630	6.9601	7.2016	5.7269	0.348	33.5000	7.6797	-0.000255
114.	0.	0.95679	6.9601	7.2016	5.7234	0.351	33.4966	7.6697	-0.000261
115.	0.	0.95722	6.9601	7.2016	5.7196	0.353	33.4925	7.6697	-0.000264
116.	0.	0.95771	6.9601	7.2016	5.7161	0.354	33.4878	7.6597	-0.000270
117.	0.	0.95818	6.9601	7.2016	5.7124	0.356	33.4900	7.6597	-0.000273
118.	0.	0.95862	6.9601	7.2016	5.7086	0.358	33.4853	7.6597	-0.000275
119.	0.	0.95932	6.9601	7.2016	5.7055	0.361	33.5169	7.6497	-0.000282
120.	0.	0.96011	6.9600	7.2016	5.7019	0.364	33.6065	7.6897	-0.000271
121.	0.	0.96096	6.9598	7.2016	5.6984	0.367	33.7049	7.7297	-0.000261
122.	0.	0.96183	6.9596	7.2016	5.6949	0.371	33.8036	7.7697	-0.000250

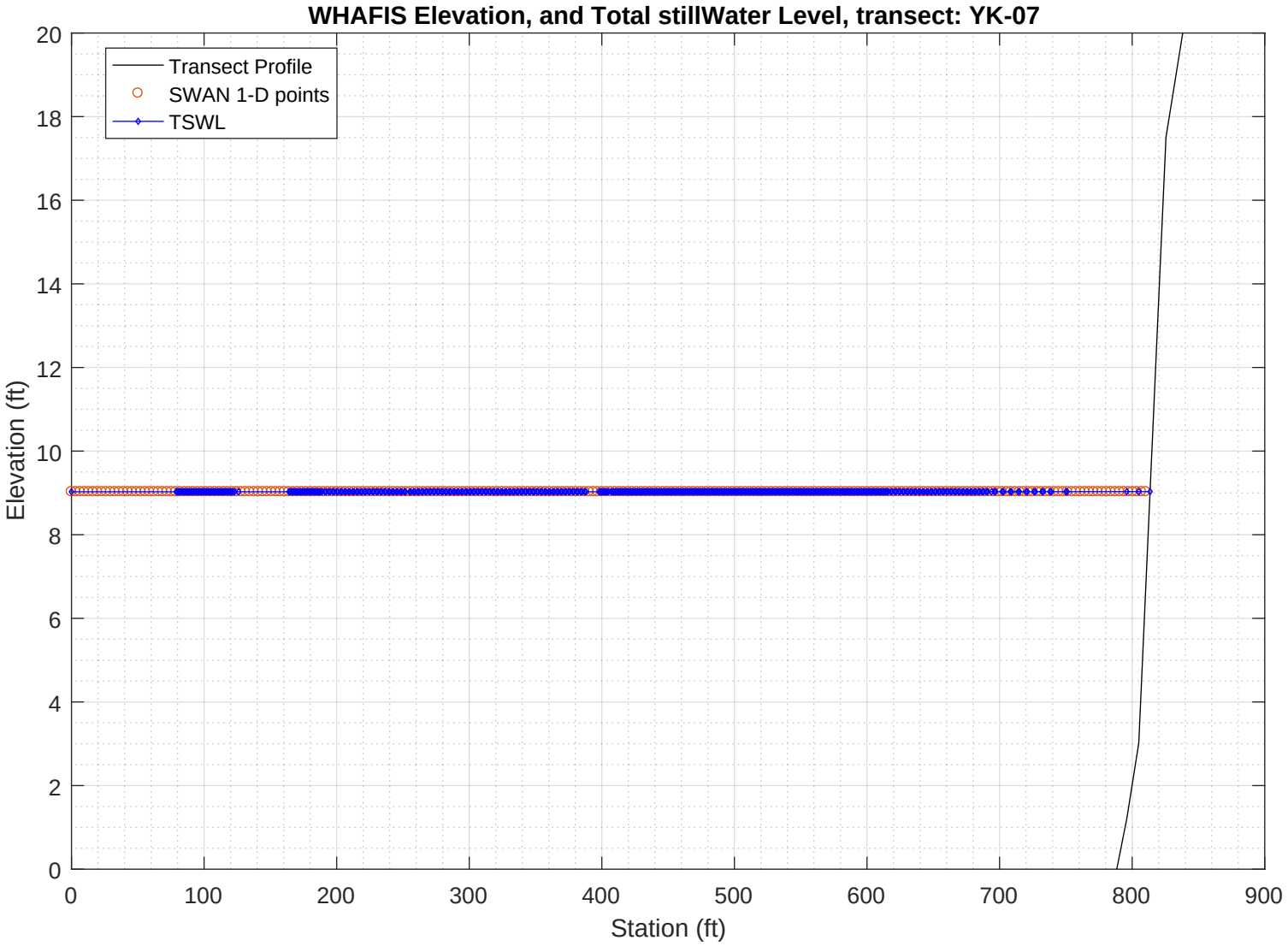
123.	0.	0.96262	6.9595	7.2016	5.6912	0.374	33.8898	7.8098	-0.000240
124.	0.	0.96323	6.9593	7.2016	5.6874	0.377	33.9352	7.8398	-0.000233
125.	0.	0.96378	6.9593	7.2016	5.6840	0.379	33.9497	7.8398	-0.000236
126.	0.	0.96430	6.9593	7.2016	5.6806	0.380	33.9597	7.8398	-0.000238
127.	0.	0.96479	6.9593	7.2016	5.6772	0.381	33.9645	7.8398	-0.000241
128.	0.	0.96527	6.9592	7.2016	5.6738	0.381	33.9668	7.8398	-0.000244
129.	0.	0.96575	6.9592	7.2016	5.6704	0.381	33.9685	7.8398	-0.000247
130.	0.	0.96621	6.9592	7.2016	5.6671	0.382	33.9705	7.8398	-0.000250
131.	0.	0.96667	6.9592	7.2016	5.6639	0.382	33.9722	7.8397	-0.000252
132.	0.	0.96712	6.9592	7.2016	5.6608	0.383	33.9738	7.8397	-0.000255
133.	0.	0.96755	6.9592	7.2016	5.6577	0.384	33.9758	7.8397	-0.000258
134.	0.	0.96798	6.9591	7.2016	5.6547	0.385	33.9778	7.8397	-0.000261
135.	0.	0.96842	6.9591	7.2016	5.6517	0.385	33.9800	7.8397	-0.000263
136.	0.	0.96885	6.9591	7.2016	5.6488	0.386	33.9823	7.8397	-0.000266
137.	0.	0.96927	6.9591	7.2016	5.6459	0.386	33.9849	7.8397	-0.000268
138.	0.	0.96970	6.9591	7.2016	5.6429	0.386	33.9873	7.8397	-0.000271
139.	0.	0.97013	6.9591	7.2016	5.6400	0.387	33.9898	7.8397	-0.000274
140.	0.	0.97054	6.9590	7.2016	5.6372	0.388	33.9925	7.8397	-0.000276
141.	0.	0.97093	6.9590	7.2016	5.6346	0.388	33.9953	7.8397	-0.000278
142.	0.	0.97133	6.9590	7.2016	5.6320	0.388	33.9981	7.8397	-0.000281
143.	0.	0.97173	6.9590	7.2016	5.6293	0.387	34.0006	7.8397	-0.000283
144.	0.	0.97212	6.9590	7.2016	5.6268	0.386	34.0030	7.8397	-0.000286
145.	0.	0.97251	6.9589	7.2016	5.6242	0.384	34.0053	7.8397	-0.000288
146.	0.	0.97290	6.9589	7.2016	5.6217	0.383	34.0076	7.8397	-0.000291
147.	0.	0.97329	6.9589	7.2016	5.6192	0.381	34.0099	7.8397	-0.000294
148.	0.	0.97367	6.9589	7.2016	5.6168	0.379	34.0126	7.8397	-0.000296
149.	0.	0.97406	6.9589	7.2016	5.6143	0.377	34.0154	7.8397	-0.000299
150.	0.	0.97444	6.9589	7.2016	5.6119	0.375	34.0184	7.8397	-0.000301
151.	0.	0.97483	6.9588	7.2016	5.6094	0.373	34.0214	7.8397	-0.000304
152.	0.	0.97520	6.9588	7.2016	5.6070	0.372	34.0240	7.8397	-0.000306
153.	0.	0.97557	6.9588	7.2016	5.6047	0.371	34.0267	7.8397	-0.000309
154.	0.	0.97594	6.9588	7.2016	5.6025	0.371	34.0290	7.8397	-0.000311
155.	0.	0.97630	6.9588	7.2016	5.6003	0.371	34.0309	7.8397	-0.000314
156.	0.	0.97665	6.9588	7.2016	5.5982	0.371	34.0325	7.8397	-0.000316
157.	0.	0.97699	6.9587	7.2016	5.5962	0.371	34.0331	7.8397	-0.000319
158.	0.	0.97731	6.9587	7.2016	5.5944	0.371	34.0326	7.8397	-0.000321
159.	0.	0.97762	6.9587	7.2016	5.5927	0.370	34.0314	7.8397	-0.000323
160.	0.	0.97792	6.9587	7.2016	5.5911	0.369	34.0292	7.8397	-0.000326
161.	0.	0.97821	6.9587	7.2016	5.5896	0.367	34.0264	7.8397	-0.000328
162.	0.	0.97849	6.9587	7.2016	5.5882	0.365	34.0233	7.8397	-0.000331
163.	0.	0.97876	6.9586	7.2016	5.5868	0.362	34.0188	7.8397	-0.000333
164.	0.	0.97903	6.9586	7.2016	5.5854	0.359	34.0141	7.8397	-0.000335
165.	0.	0.97930	6.9586	7.2016	5.5841	0.356	34.0093	7.8397	-0.000338
166.	0.	0.97957	6.9586	7.2016	5.5828	0.353	34.0045	7.8397	-0.000340
167.	0.	0.97984	6.9586	7.2016	5.5814	0.351	33.9999	7.8397	-0.000342
168.	0.	0.98011	6.9585	7.2016	5.5801	0.348	33.9955	7.8397	-0.000345
169.	0.	0.98038	6.9585	7.2016	5.5788	0.345	33.9914	7.8397	-0.000347
170.	0.	0.98066	6.9585	7.2016	5.5774	0.343	33.9872	7.8397	-0.000349
171.	0.	0.98093	6.9585	7.2016	5.5760	0.341	33.9833	7.8396	-0.000352
172.	0.	0.98122	6.9585	7.2016	5.5745	0.341	33.9805	7.8396	-0.000354
173.	0.	0.98150	6.9585	7.2016	5.5731	0.341	33.9779	7.8396	-0.000356
174.	0.	0.98179	6.9584	7.2016	5.5716	0.342	33.9756	7.8396	-0.000358
175.	0.	0.98208	6.9584	7.2016	5.5701	0.343	33.9738	7.8396	-0.000361
176.	0.	0.98237	6.9584	7.2016	5.5686	0.345	33.9723	7.8396	-0.000363
177.	0.	0.98266	6.9584	7.2016	5.5671	0.347	33.9712	7.8396	-0.000365
178.	0.	0.98296	6.9584	7.2016	5.5655	0.349	33.9701	7.8396	-0.000368
179.	0.	0.98325	6.9584	7.2016	5.5640	0.349	33.9686	7.8396	-0.000370
180.	0.	0.98354	6.9583	7.2016	5.5624	0.349	33.9677	7.8396	-0.000372
181.	0.	0.98384	6.9583	7.2016	5.5609	0.349	33.9670	7.8396	-0.000374
182.	0.	0.98414	6.9583	7.2016	5.5593	0.350	33.9663	7.8396	-0.000377
183.	0.	0.98444	6.9583	7.2016	5.5577	0.350	33.9650	7.8396	-0.000379
184.	0.	0.98474	6.9583	7.2016	5.5561	0.351	33.9637	7.8396	-0.000381
185.	0.	0.98507	6.9583	7.2016	5.5543	0.351	33.9619	7.8396	-0.000384
186.	0.	0.98541	6.9582	7.2016	5.5523	0.353	33.9601	7.8396	-0.000386
187.	0.	0.98575	6.9582	7.2016	5.5503	0.354	33.9583	7.8396	-0.000388

188.	0.	0.98609	6.9582	7.2016	5.5484	0.355	33.9566	7.8396	-0.000391
189.	0.	0.98644	6.9582	7.2016	5.5464	0.357	33.9551	7.8396	-0.000393
190.	0.	0.98679	6.9582	7.2016	5.5444	0.359	33.9536	7.8396	-0.000395
191.	0.	0.98714	6.9581	7.2016	5.5423	0.360	33.9524	7.8396	-0.000398
192.	0.	0.98750	6.9581	7.2016	5.5402	0.362	33.9514	7.8396	-0.000400
193.	0.	0.98786	6.9581	7.2016	5.5381	0.363	33.9502	7.8396	-0.000403
194.	0.	0.98822	6.9581	7.2016	5.5360	0.363	33.9490	7.8396	-0.000405
195.	0.	0.98858	6.9581	7.2016	5.5339	0.364	33.9475	7.8396	-0.000407
196.	0.	0.98894	6.9581	7.2016	5.5317	0.365	33.9462	7.8396	-0.000410
197.	0.	0.98931	6.9580	7.2016	5.5295	0.366	33.9448	7.8396	-0.000412
198.	0.	0.98969	6.9580	7.2016	5.5273	0.366	33.9435	7.8396	-0.000415
199.	0.	0.99001	6.9580	7.2016	5.5249	0.366	33.9337	7.8396	-0.000417
200.	0.	0.98975	6.9579	7.2016	5.5213	0.366	33.8207	7.8296	-0.000422
201.	0.	0.98920	6.9583	7.2016	5.5188	0.366	33.5801	7.7095	-0.000463
202.	0.	0.98853	6.9588	7.2016	5.5164	0.366	33.3052	7.5795	-0.000510
203.	0.	0.98790	6.9592	7.2016	5.5140	0.365	33.0347	7.4594	-0.000555
204.	0.	0.98733	6.9597	7.2016	5.5119	0.365	32.7763	7.3394	-0.000601
205.	0.	0.98691	6.9602	7.2016	5.5105	0.365	32.5605	7.2093	-0.000652
206.	0.	0.98654	6.9607	7.2016	5.5090	0.365	32.3471	7.0893	-0.000701
207.	0.	0.98632	6.9612	7.2016	5.5083	0.364	32.1328	6.9592	-0.000758
208.	0.	0.98612	6.9617	7.2016	5.5076	0.364	31.9181	6.8392	-0.000813
209.	0.	0.98607	6.9623	7.2016	5.5076	0.363	31.7015	6.7091	-0.000876
210.	0.	0.98608	6.9629	7.2016	5.5078	0.362	31.4898	6.5891	-0.000937
211.	0.	0.98616	6.9634	7.2016	5.5082	0.361	31.2738	6.4690	-0.001003
212.	0.	0.98642	6.9640	7.2016	5.5093	0.359	31.0573	6.3389	-0.001077
213.	0.	0.98667	6.9646	7.2016	5.5105	0.357	30.8554	6.2189	-0.001148
214.	0.	0.98709	6.9652	7.2016	5.5123	0.355	30.6569	6.0888	-0.001229
215.	0.	0.98752	6.9658	7.2016	5.5142	0.352	30.4622	5.9687	-0.001307
216.	0.	0.98801	6.9664	7.2016	5.5161	0.349	30.2622	5.8486	-0.001390
217.	0.	0.98872	6.9670	7.2016	5.5186	0.347	30.0575	5.7185	-0.001485
218.	0.	0.98939	6.9676	7.2016	5.5209	0.346	29.8505	5.5984	-0.001577
219.	0.	0.99028	6.9682	7.2016	5.5240	0.345	29.6381	5.4683	-0.001683
220.	0.	0.99110	6.9688	7.2016	5.5270	0.344	29.4176	5.3482	-0.001788
221.	0.	0.99222	6.9695	7.2016	5.5313	0.342	29.1723	5.2081	-0.001917
222.	0.	0.99359	6.9703	7.2016	5.5367	0.339	28.9134	5.0579	-0.002065
223.	0.	0.99493	6.9710	7.2016	5.5421	0.336	28.6475	4.9178	-0.002214
224.	0.	0.99660	6.9717	7.2016	5.5488	0.331	28.3778	4.7676	-0.002386
225.	0.	0.99824	6.9725	7.2016	5.5556	0.326	28.1149	4.6274	-0.002557
226.	0.	1.00021	6.9732	7.2016	5.5638	0.320	27.8426	4.4772	-0.002755
227.	0.	1.00243	6.9740	7.2016	5.5724	0.316	27.5713	4.3270	-0.002970
228.	0.	1.00465	6.9747	7.2016	5.5807	0.310	27.2947	4.1868	-0.003189
229.	0.	1.00739	6.9755	7.2016	5.5897	0.304	26.9986	4.0366	-0.003445
230.	0.	1.01046	6.9763	7.2016	5.5989	0.297	26.6951	3.8863	-0.003726
231.	0.	1.01354	6.9771	7.2016	5.6075	0.290	26.3815	3.7460	-0.004016
232.	0.	1.01727	6.9780	7.2016	5.6169	0.284	26.0486	3.5956	-0.004359
233.	0.	1.02106	6.9789	7.2016	5.6247	0.282	25.6977	3.4553	-0.004714
234.	0.	1.02568	6.9800	7.2016	5.6318	0.282	25.3209	3.3049	-0.005137
235.	0.	1.03094	6.9812	7.2016	5.6361	0.285	24.9349	3.1544	-0.005610
236.	0.	1.03643	6.9826	7.2016	5.6353	0.287	24.5438	3.0139	-0.006104
237.	0.	1.04327	6.9843	7.2016	5.6297	0.285	24.1615	2.8633	-0.006698
238.	0.	1.04861	6.9860	7.2016	5.6116	0.290	23.9631	2.7729	-0.007089
239.	0.	1.04601	6.9867	7.2016	5.5745	0.304	23.9394	2.8533	-0.006739
240.	0.	1.04940	6.9881	7.2016	5.5551	0.309	23.6738	2.7930	-0.007003
241.	0.	1.05743	6.9904	7.2016	5.5427	0.305	23.1902	2.6322	-0.007765
242.	0.	1.06507	6.9933	7.2016	5.5245	0.292	22.5864	2.4714	-0.008597
243.	0.	1.07257	6.9970	7.2016	5.4991	0.259	21.8217	2.3004	-0.009556
244.	0.	1.07837	7.0021	7.2016	5.4728	0.230	20.8948	2.0993	-0.010650
245.	0.	1.08105	7.0087	7.2016	5.4307	0.180	19.4312	1.8882	-0.011835
246.	0.	1.09394	7.0188	7.2016	5.3802	0.130	16.6764	1.3636	-0.016369
247.	0.	0.96993	7.0564	7.2016	5.2869	359.218	16.5245	0.6780	-0.001962
248.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
249.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
250.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
251.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000

PART 3: WHAFIS

WHAFIS input: YK-07.dat
WHAFIS output: YK-07.out

PART 3 COMPLETE


WHAFIS Elevation, and Total stillWater Level, transect: YK-07
Transect Profile
SWAN 1-D points
TSWL
Elevation (ft)
Station (ft)
0
2
4
6
8
10
12
14
16
18
20
0
100
200
300
400
500
600
700
800
900

```
WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)
Executed on: Thu Feb  6 16:14:34 2020
Input file:  C:\Users\shayward\Desktop\Kittery\T2\3_whafis\whafis4\YK-07.dat
Output file: C:\Users\shayward\Desktop\Kittery\T2\3_whafis\whafis4\YK-07.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    -16.356     1.000     1.000     9.027     4.699     6.937    56.140    -0.004     0.000
     OF     79.000    -16.665     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     80.000    -16.669     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     81.000    -16.672     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     82.000    -16.676     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     83.000    -16.680     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     84.000    -16.684     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     85.000    -16.688     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     86.000    -16.692     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     87.000    -16.696     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     88.000    -16.700     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     89.000    -16.704     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     90.000    -16.708     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     91.000    -16.712     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     92.000    -16.716     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     93.000    -16.719     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     94.000    -16.723     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     95.000    -16.727     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     96.000    -16.731     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     97.000    -16.735     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     98.000    -16.739     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF     99.000    -16.743     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    100.000    -16.747     0.000     9.027     0.000     0.000     0.000     0.000    -0.002     0.000
     OF    101.000    -16.747     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    102.000    -16.747     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    103.000    -16.746     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    104.000    -16.746     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    105.000    -16.746     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    106.000    -16.746     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    107.000    -16.746     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    108.000    -16.746     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    109.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    110.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    111.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    112.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    113.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    114.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    115.000    -16.745     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    116.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    117.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    118.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    119.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    120.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    121.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.000     0.000
     OF    122.000    -16.744     0.000     9.027     0.000     0.000     0.000     0.000     0.001     0.000
     OF    123.000    -16.743     0.000     9.027     0.000     0.000     0.000     0.000     0.051     0.000
     OF    126.000    -16.541     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    164.000    -16.662     0.000     9.027     0.000     0.000     0.000     0.000    -0.003     0.000
     OF    165.000    -16.666     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    166.000    -16.671     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    167.000    -16.675     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    168.000    -16.680     0.000     9.027     0.000     0.000     0.000     0.000    -0.005     0.000
     OF    169.000    -16.685     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    170.000    -16.689     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    171.000    -16.694     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    172.000    -16.698     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    173.000    -16.703     0.000     9.027     0.000     0.000     0.000     0.000    -0.005     0.000
     OF    174.000    -16.708     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    175.000    -16.712     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    176.000    -16.717     0.000     9.027     0.000     0.000     0.000     0.000    -0.005     0.000
     OF    177.000    -16.722     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    178.000    -16.726     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    179.000    -16.731     0.000     9.027     0.000     0.000     0.000     0.000    -0.004     0.000
     OF    180.000    -16.735     0.000     9.027     0.000     0.000     0.000     0.000    -0.001     0.000
     OF    181.000    -16.733     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    182.000    -16.731     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    183.000    -16.729     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    184.000    -16.727     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    185.000    -16.725     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    186.000    -16.724     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    187.000    -16.722     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    188.000    -16.720     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    189.000    -16.718     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    191.000    -16.714     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    192.000    -16.712     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    194.000    -16.709     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    195.000    -16.707     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    197.000    -16.703     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    198.000    -16.701     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    200.000    -16.698     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    201.000    -16.696     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    203.000    -16.692     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    204.000    -16.690     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    206.000    -16.686     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    207.000    -16.685     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    209.000    -16.681     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    210.000    -16.679     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    212.000    -16.675     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    213.000    -16.673     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    215.000    -16.670     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    216.000    -16.668     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    218.000    -16.664     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    219.000    -16.662     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    221.000    -16.659     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    222.000    -16.657     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    224.000    -16.653     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    225.000    -16.651     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    227.000    -16.647     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    228.000    -16.645     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    230.000    -16.642     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
     OF    231.000    -16.640     0.000     9.027     0.000     0.000     0.000     0.000     0.002     0.000
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OF	233.000	-16.636	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	234.000	-16.634	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	236.000	-16.631	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	237.000	-16.629	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	239.000	-16.625	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	240.000	-16.623	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	242.000	-16.619	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	243.000	-16.618	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	245.000	-16.614	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	246.000	-16.612	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	248.000	-16.608	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	249.000	-16.606	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	251.000	-16.603	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
OF	252.000	-16.599	0.000	9.027	0.000	0.000	0.000	0.000	0.005	0.000
OF	255.000	-16.581	0.000	9.027	0.000	0.000	0.000	0.000	0.005	0.000
OF	256.000	-16.578	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	258.000	-16.570	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	259.000	-16.567	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	261.000	-16.559	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	262.000	-16.556	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	264.000	-16.548	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	265.000	-16.545	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	267.000	-16.537	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	268.000	-16.533	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	270.000	-16.526	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	271.000	-16.522	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	273.000	-16.515	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	274.000	-16.511	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	276.000	-16.504	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	277.000	-16.500	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	279.000	-16.493	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	280.000	-16.489	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	282.000	-16.482	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	283.000	-16.478	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	285.000	-16.471	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	286.000	-16.467	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	288.000	-16.460	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	289.000	-16.456	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	291.000	-16.449	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	292.000	-16.445	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	294.000	-16.438	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	295.000	-16.434	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	297.000	-16.427	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	298.000	-16.423	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	300.000	-16.416	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	301.000	-16.412	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	303.000	-16.405	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	304.000	-16.401	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	306.000	-16.394	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	307.000	-16.390	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	309.000	-16.382	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	310.000	-16.379	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	312.000	-16.371	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	313.000	-16.368	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	315.000	-16.360	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	316.000	-16.357	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	318.000	-16.349	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	319.000	-16.346	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	321.000	-16.338	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	322.000	-16.335	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	324.000	-16.327	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	325.000	-16.323	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	327.000	-16.316	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	328.000	-16.312	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	330.000	-16.305	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	331.000	-16.301	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	333.000	-16.294	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	334.000	-16.290	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	336.000	-16.283	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	337.000	-16.279	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	339.000	-16.272	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	340.000	-16.268	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	342.000	-16.261	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	343.000	-16.257	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
OF	345.000	-16.250	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	346.000	-16.246	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	348.000	-16.239	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	349.000	-16.235	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	351.000	-16.228	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	352.000	-16.224	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	354.000	-16.217	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	355.000	-16.213	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	357.000	-16.206	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	358.000	-16.202	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	360.000	-16.195	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	361.000	-16.191	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	363.000	-16.184	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	364.000	-16.180	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	366.000	-16.172	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	367.000	-16.169	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	369.000	-16.161	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	370.000	-16.158	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	372.000	-16.150	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	373.000	-16.147	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	375.000	-16.139	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	376.000	-16.136	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	378.000	-16.128	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	379.000	-16.125	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	381.000	-16.117	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	382.000	-16.114	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	384.000	-16.106	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	385.000	-16.103	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	387.000	-16.095	0.000	9.028	0.000	0.000	0.000	0.000	0.004	0.000
OF	388.000	-16.091	0.000	9.028	0.000	0.000	0.000	0.000	-0.024	0.000
OF	398.000	-16.359	0.000	9.028	0.000	0.000	0.000	0.000	-0.028	0.000
OF	399.000	-16.399	0.000	9.028	0.000	0.000	0.000	0.000	-0.040	0.000
OF	400.000	-16.439	0.000	9.028	0.000	0.000	0.000	0.000	-0.040	0.000
OF	401.000	-16.479	0.000	9.028	0.000	0.000	0.000	0.000	-0.040	0.000
OF	402.000	-16.519	0.000	9.028	0.000	0.000	0.000	0.000	-0.040	0.000
OF	403.000	-16.559	0.000	9.028	0.000	0.000	0.000	0.000	-0.040	0.000

OF	404.000	-16.598	0.000	9.028	0.000	0.000	0.000	0.000	-0.040	0.000
OF	405.000	-16.638	0.000	9.028	0.000	0.000	0.000	0.000	-0.036	0.000
OF	407.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	-0.022	0.000
OF	408.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	409.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	410.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	411.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	412.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	413.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	414.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	415.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	416.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	417.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	418.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	419.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	420.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	421.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	422.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	423.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	424.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	425.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	426.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	427.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	428.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	429.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	430.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	431.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	432.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	433.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	434.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	435.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	436.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	437.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	-0.001	0.000
OF	438.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	-0.001	0.000
OF	439.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	440.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	441.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	442.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	443.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	444.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	445.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	446.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	447.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	448.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	449.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	450.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	451.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	452.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	453.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	454.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	455.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	456.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	457.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	458.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	459.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	460.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	461.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	462.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	463.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	464.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	465.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	466.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	467.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	468.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	469.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	470.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	471.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	472.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	473.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	474.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	475.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	476.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	477.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	478.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	479.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	480.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	481.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	482.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	483.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	484.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	485.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	486.000	-16.706	0.000	9.028	0.000	0.000	0.000	0.000	0.001	0.000
OF	487.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.001	0.000
OF	488.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	489.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	490.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	491.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	492.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	493.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	494.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	495.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	496.000	-16.705	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	497.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	498.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	499.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	500.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	501.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	502.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	503.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	504.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	505.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	506.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	507.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	508.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	509.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	510.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	511.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	512.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	513.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	514.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000

OF	515.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	516.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	517.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	518.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	519.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	520.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	521.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	522.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	523.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	524.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	525.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	526.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	527.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	528.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	529.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	530.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	531.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	532.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	533.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	534.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	535.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	536.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	537.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	538.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	539.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	540.000	-16.705	0.000	9.029	0.000	0.000	0.000	0.000	0.001	0.000
OF	541.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.001	0.000
OF	542.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	543.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	544.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	545.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	546.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	547.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	548.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	549.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	550.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	551.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	552.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	553.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	554.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	555.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	556.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	557.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	558.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	559.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	560.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	561.000	-16.704	0.000	9.029	0.000	0.000	0.000	0.000	0.001	0.000
OF	562.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.001	0.000
OF	563.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	564.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	565.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	566.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	567.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	568.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	569.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	570.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	571.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	572.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	573.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	574.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	575.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	576.000	-16.703	0.000	9.029	0.000	0.000	0.000	0.000	0.000	0.000
OF	577.000	-16.703	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	578.000	-16.703	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	579.000	-16.703	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	580.000	-16.703	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	581.000	-16.703	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	582.000	-16.703	0.000	9.028	0.000	0.000	0.000	0.000	0.001	0.000
OF	583.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.001	0.000
OF	584.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	585.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	586.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	587.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	588.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	589.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	590.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	591.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	592.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	593.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	594.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	595.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	596.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	597.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	598.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	599.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	600.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	601.000	-16.702	0.000	9.028	0.000	0.000	0.000	0.000	0.001	0.000
OF	602.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.001	0.000
OF	603.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	604.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	605.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	606.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	607.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	608.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	609.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	610.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	611.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	612.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	613.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	614.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	615.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	616.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	618.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	619.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	621.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	622.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	624.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	625.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	627.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	628.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000

OF	630.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	631.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	633.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	634.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	636.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	637.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	639.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	640.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	642.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	643.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	645.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	646.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	648.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	649.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	651.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	652.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	654.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
OF	655.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.046	0.000
OF	657.000	-16.562	0.000	9.028	0.000	0.000	0.000	0.000	0.087	0.000
OF	658.000	-16.438	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	660.000	-16.190	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	661.000	-16.066	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	663.000	-15.818	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	664.000	-15.694	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	666.000	-15.446	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	667.000	-15.322	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	669.000	-15.074	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	670.000	-14.950	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	672.000	-14.702	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	673.000	-14.578	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	675.000	-14.329	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	676.000	-14.206	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	678.000	-13.957	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	679.000	-13.833	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	681.000	-13.585	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	682.000	-13.461	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	684.000	-13.213	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	685.000	-13.089	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	687.000	-12.841	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	688.000	-12.717	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	690.000	-12.469	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	691.000	-12.345	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	694.000	-11.972	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
OF	696.000	-11.725	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	697.000	-11.600	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	702.000	-10.980	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	703.000	-10.856	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	708.000	-10.236	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	709.000	-10.112	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	714.000	-9.492	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	715.000	-9.368	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	720.000	-8.748	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
OF	721.000	-8.624	0.000	9.029	0.000	0.000	0.000	0.000	0.137	0.000
OF	726.000	-7.928	0.000	9.029	0.000	0.000	0.000	0.000	0.140	0.000
OF	727.000	-7.782	0.000	9.029	0.000	0.000	0.000	0.000	0.146	0.000
OF	732.000	-7.051	0.000	9.029	0.000	0.000	0.000	0.000	0.146	0.000
OF	733.000	-6.905	0.000	9.029	0.000	0.000	0.000	0.000	0.146	0.000
OF	738.000	-6.175	0.000	9.030	0.000	0.000	0.000	0.000	0.146	0.000
OF	739.000	-6.029	0.000	9.030	0.000	0.000	0.000	0.000	0.146	0.000
OF	750.000	-4.422	0.000	9.030	0.000	0.000	0.000	0.000	0.146	0.000
OF	751.000	-4.276	0.000	9.030	0.000	0.000	0.000	0.000	0.123	0.000
IF	796.000	1.214	0.000	9.031	0.000	0.000	0.000	0.000	0.135	0.000
IF	805.000	3.018	0.000	9.031	0.000	0.000	0.000	0.000	0.447	0.000
IF	813.500	9.031	0.000	9.031	0.000	0.000	0.000	0.000	0.707	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	-16.356	1.000	1.000	9.027	4.699	6.937	56.140	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	79.000	-16.665	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	80.000	-16.669	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	81.000	-16.672	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	82.000	-16.676	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	83.000	-16.680	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	84.000	-16.684	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	85.000	-16.688	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	86.000	-16.692	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	87.000	-16.696	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	88.000	-16.700	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	89.000	-16.704	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	90.000	-16.708	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	91.000	-16.712	0.000	9.027	0.000	0.000	0.000	0.000	-0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	92.000	-16.716	0.000	9.027	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	93.000	-16.719	0.000	9.027	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	94.000	-16.723	0.000	9.027	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	95.000	-16.727	0.000	9.027	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	96.000	-16.731	0.000	9.027	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	97.000	-16.735	0.000	9.027	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	98.000	-16.739	0.000	9.027	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	99.000	-16.743	0.000	9.027	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	100.000	-16.747	0.000	9.027	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	101.000	-16.747	0.000	9.027	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
OF	102.000	-16.747	0.000	9.027	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	103.000	-16.746	0.000	9.027	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	104.000	-16.746	0.000	9.027	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
OF	105.000	-16.746	0.000	9.027	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
OF	106.000	-16.746	0.000	9.027	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
OF	107.000	-16.746	0.000	9.027	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
OF	108.000	-16.746	0.000	9.027	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	109.000	-16.745	0.000	9.027	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	110.000	-16.745	0.000	9.027	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
OF	111.000	-16.745	0.000	9.027	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
OF	112.000	-16.745	0.000	9.027	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
OF	113.000	-16.745	0.000	9.027	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
OF	114.000	-16.745	0.000	9.027	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
OF	115.000	-16.745	0.000	9.027	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	116.000	-16.744	0.000	9.027	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	117.000	-16.744	0.000	9.027	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
OF	118.000	-16.744	0.000	9.027	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
OF	119.000	-16.744	0.000	9.027	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
OF	120.000	-16.744	0.000	9.027	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
OF	121.000	-16.744	0.000	9.027	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
OF	122.000	-16.744	0.000	9.027	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	123.000	-16.743	0.000	9.027	0.000	0.000	0.000	0.000	0.051	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	126.000	-16.541	0.000	9.027	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	164.000	-16.662	0.000	9.027	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	165.000	-16.666	0.000	9.027	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	166.000	-16.671	0.000	9.027	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	167.000	-16.675	0.000	9.027	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	168.000	-16.680	0.000	9.027	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	169.000	-16.685	0.000	9.027	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	170.000	-16.689	0.000	9.027	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	171.000	-16.694	0.000	9.027	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	172.000	-16.698	0.000	9.027	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	173.000	-16.703	0.000	9.027	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	174.000	-16.708	0.000	9.027	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	175.000	-16.712	0.000	9.027	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	176.000	-16.717	0.000	9.027	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	177.000	-16.722	0.000	9.027	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	178.000	-16.726	0.000	9.027	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	179.000	-16.731	0.000	9.027	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	180.000	-16.735	0.000	9.027	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	181.000	-16.733	0.000	9.027	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	182.000	-16.731	0.000	9.027	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	183.000	-16.729	0.000	9.027	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	184.000	-16.727	0.000	9.027	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	185.000	-16.725	0.000	9.027	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	186.000	-16.724	0.000	9.027	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	187.000	-16.722	0.000	9.027	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	188.000	-16.720	0.000	9.027	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	189.000	-16.718	0.000	9.027	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	191.000	-16.714	0.000	9.027	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	192.000	-16.712	0.000	9.027	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	194.000	-16.709	0.000	9.027	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	195.000	-16.707	0.000	9.027	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	197.000	-16.703	0.000	9.027	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	198.000	-16.701	0.000	9.027	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	200.000	-16.698	0.000	9.027	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	201.000	-16.696	0.000	9.027	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	203.000	-16.692	0.000	9.027	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	204.000	-16.690	0.000	9.027	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	206.000	-16.686	0.000	9.027	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	207.000	-16.685	0.000	9.027	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	209.000	-16.681	0.000	9.027	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	210.000	-16.679	0.000	9.027	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	212.000	-16.675	0.000	9.027	0.000	0.000	0.000	0.000		0.002	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	213.000	-16.673	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	215.000	-16.670	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	216.000	-16.668	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	218.000	-16.664	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	219.000	-16.662	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	221.000	-16.659	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	222.000	-16.657	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	224.000	-16.653	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	225.000	-16.651	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	227.000	-16.647	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	228.000	-16.645	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	230.000	-16.642	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	231.000	-16.640	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	233.000	-16.636	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	234.000	-16.634	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	236.000	-16.631	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	237.000	-16.629	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	239.000	-16.625	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	240.000	-16.623	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	242.000	-16.619	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	243.000	-16.618	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	245.000	-16.614	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	246.000	-16.612	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	248.000	-16.608	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	249.000	-16.606	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	251.000	-16.603	0.000	9.027	0.000	0.000	0.000	0.000	0.002	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	252.000	-16.599	0.000	9.027	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	255.000	-16.581	0.000	9.027	0.000	0.000	0.000	0.000	0.005	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	256.000	-16.578	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	258.000	-16.570	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	259.000	-16.567	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	261.000	-16.559	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	262.000	-16.556	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	264.000	-16.548	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	265.000	-16.545	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	267.000	-16.537	0.000	9.027	0.000	0.000	0.000	0.000	0.004	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	268.000	-16.533	0.000	9.027	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	270.000	-16.526	0.000	9.027	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	271.000	-16.522	0.000	9.027	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	273.000	-16.515	0.000	9.027	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	274.000	-16.511	0.000	9.027	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	276.000	-16.504	0.000	9.027	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	277.000	-16.500	0.000	9.027	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	279.000	-16.493	0.000	9.027	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	280.000	-16.489	0.000	9.027	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	282.000	-16.482	0.000	9.027	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	283.000	-16.478	0.000	9.027	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	285.000	-16.471	0.000	9.027	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	286.000	-16.467	0.000	9.027	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	288.000	-16.460	0.000	9.027	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	289.000	-16.456	0.000	9.027	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	291.000	-16.449	0.000	9.027	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	292.000	-16.445	0.000	9.027	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	294.000	-16.438	0.000	9.027	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	295.000	-16.434	0.000	9.027	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	297.000	-16.427	0.000	9.027	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	298.000	-16.423	0.000	9.027	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	300.000	-16.416	0.000	9.027	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	301.000	-16.412	0.000	9.027	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	303.000	-16.405	0.000	9.027	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	304.000	-16.401	0.000	9.027	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	306.000	-16.394	0.000	9.027	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	307.000	-16.390	0.000	9.027	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	309.000	-16.382	0.000	9.027	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	310.000	-16.379	0.000	9.027	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	312.000	-16.371	0.000	9.027	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	313.000	-16.368	0.000	9.027	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	315.000	-16.360	0.000	9.027	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	316.000	-16.357	0.000	9.027	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	318.000	-16.349	0.000	9.027	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	319.000	-16.346	0.000	9.027	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	321.000	-16.338	0.000	9.027	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	322.000	-16.335	0.000	9.027	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	324.000	-16.327	0.000	9.027	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	325.000	-16.323	0.000	9.027	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	327.000	-16.316	0.000	9.027	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	328.000	-16.312	0.000	9.027	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	330.000	-16.305	0.000	9.027	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	331.000	-16.301	0.000	9.027	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	333.000	-16.294	0.000	9.027	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	334.000	-16.290	0.000	9.027	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	336.000	-16.283	0.000	9.027	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	337.000	-16.279	0.000	9.027	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	339.000	-16.272	0.000	9.027	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	340.000	-16.268	0.000	9.027	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	342.000	-16.261	0.000	9.027	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	343.000	-16.257	0.000	9.027	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	345.000	-16.250	0.000	9.028	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	346.000	-16.246	0.000	9.028	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	348.000	-16.239	0.000	9.028	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	349.000	-16.235	0.000	9.028	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	351.000	-16.228	0.000	9.028	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	352.000	-16.224	0.000	9.028	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	354.000	-16.217	0.000	9.028	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	355.000	-16.213	0.000	9.028	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	357.000	-16.206	0.000	9.028	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	358.000	-16.202	0.000	9.028	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	360.000	-16.195	0.000	9.028	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	361.000	-16.191	0.000	9.028	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	363.000	-16.184	0.000	9.028	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	364.000	-16.180	0.000	9.028	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	366.000	-16.172	0.000	9.028	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	367.000	-16.169	0.000	9.028	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	369.000	-16.161	0.000	9.028	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	370.000	-16.158	0.000	9.028	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	372.000	-16.150	0.000	9.028	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	373.000	-16.147	0.000	9.028	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	375.000	-16.139	0.000	9.028	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	376.000	-16.136	0.000	9.028	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	378.000	-16.128	0.000	9.028	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	379.000	-16.125	0.000	9.028	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	381.000	-16.117	0.000	9.028	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	382.000	-16.114	0.000	9.028	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	384.000	-16.106	0.000	9.028	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	385.000	-16.103	0.000	9.028	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	387.000	-16.095	0.000	9.028	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	388.000	-16.091	0.000	9.028	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	398.000	-16.359	0.000	9.028	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	399.000	-16.399	0.000	9.028	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
OF	400.000	-16.439	0.000	9.028	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
OF	401.000	-16.479	0.000	9.028	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
OF	402.000	-16.519	0.000	9.028	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
OF	403.000	-16.559	0.000	9.028	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
OF	404.000	-16.598	0.000	9.028	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
OF	405.000	-16.638	0.000	9.028	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
OF	407.000	-16.705	0.000	9.028	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	408.000	-16.705	0.000	9.028	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
OF	409.000	-16.705	0.000	9.028	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
OF	410.000	-16.705	0.000	9.028	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
OF	411.000	-16.705	0.000	9.028	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
OF	412.000	-16.705	0.000	9.028	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
OF	413.000	-16.705	0.000	9.028	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
OF	414.000	-16.705	0.000	9.028	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
OF	415.000	-16.705	0.000	9.028	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
OF	416.000	-16.705	0.000	9.028	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
OF	417.000	-16.705	0.000	9.028	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
OF	418.000	-16.705	0.000	9.028	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
OF	419.000	-16.705	0.000	9.028	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
OF	420.000	-16.705	0.000	9.028	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
OF	421.000	-16.705	0.000	9.028	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
OF	422.000	-16.705	0.000	9.028	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
OF	423.000	-16.705	0.000	9.028	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
OF	424.000	-16.705	0.000	9.028	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
OF	425.000	-16.705	0.000	9.028	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
OF	426.000	-16.705	0.000	9.028	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
OF	427.000	-16.705	0.000	9.028	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

OF	428.000	-16.705	0.000	9.028	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
OF	429.000	-16.705	0.000	9.028	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
OF	430.000	-16.705	0.000	9.028	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
OF	431.000	-16.705	0.000	9.028	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
OF	432.000	-16.705	0.000	9.028	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
OF	433.000	-16.705	0.000	9.028	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
OF	434.000	-16.705	0.000	9.028	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
OF	435.000	-16.705	0.000	9.028	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
OF	436.000	-16.705	0.000	9.028	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
OF	437.000	-16.705	0.000	9.028	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	438.000	-16.706	0.000	9.028	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	439.000	-16.706	0.000	9.028	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
OF	440.000	-16.706	0.000	9.028	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
OF	441.000	-16.706	0.000	9.028	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
OF	442.000	-16.706	0.000	9.028	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
OF	443.000	-16.706	0.000	9.028	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
OF	444.000	-16.706	0.000	9.028	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
OF	445.000	-16.706	0.000	9.028	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
OF	446.000	-16.706	0.000	9.028	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
OF	447.000	-16.706	0.000	9.028	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
OF	448.000	-16.706	0.000	9.028	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
OF	449.000	-16.706	0.000	9.028	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
OF	450.000	-16.706	0.000	9.028	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
OF	451.000	-16.706	0.000	9.028	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
OF	452.000	-16.706	0.000	9.028	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
OF	453.000	-16.706	0.000	9.028	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
OF	454.000	-16.706	0.000	9.028	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
OF	455.000	-16.706	0.000	9.028	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
OF	456.000	-16.706	0.000	9.028	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
OF	457.000	-16.706	0.000	9.028	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
OF	458.000	-16.706	0.000	9.028	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
OF	459.000	-16.706	0.000	9.028	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
OF	460.000	-16.706	0.000	9.028	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
OF	461.000	-16.706	0.000	9.028	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
OF	462.000	-16.706	0.000	9.028	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
OF	463.000	-16.706	0.000	9.028	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
OF	464.000	-16.706	0.000	9.028	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
OF	465.000	-16.706	0.000	9.028	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
OF	466.000	-16.706	0.000	9.028	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
OF	467.000	-16.706	0.000	9.028	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
OF	468.000	-16.706	0.000	9.028	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
OF	469.000	-16.706	0.000	9.028	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
OF	470.000	-16.706	0.000	9.028	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
OF	471.000	-16.706	0.000	9.028	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
OF	472.000	-16.706	0.000	9.028	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
OF	473.000	-16.706	0.000	9.028	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
OF	474.000	-16.706	0.000	9.028	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
OF	475.000	-16.706	0.000	9.028	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
OF	476.000	-16.706	0.000	9.028	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
OF	477.000	-16.706	0.000	9.028	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
OF	478.000	-16.706	0.000	9.028	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
OF	479.000	-16.706	0.000	9.028	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
OF	480.000	-16.706	0.000	9.028	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
OF	481.000	-16.706	0.000	9.028	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
OF	482.000	-16.706	0.000	9.028	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
OF	483.000	-16.706	0.000	9.028	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
OF	484.000	-16.706	0.000	9.028	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
OF	485.000	-16.706	0.000	9.028	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
OF	486.000	-16.706	0.000	9.028	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	487.000	-16.705	0.000	9.028	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	488.000	-16.705	0.000	9.028	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
OF	489.000	-16.705	0.000	9.028	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
OF	490.000	-16.705	0.000	9.028	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
OF	491.000	-16.705	0.000	9.028	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
OF	492.000	-16.705	0.000	9.028	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
OF	493.000	-16.705	0.000	9.028	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
OF	494.000	-16.705	0.000	9.028	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
OF	495.000	-16.705	0.000	9.028	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
OF	496.000	-16.705	0.000	9.028	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
OF	497.000	-16.705	0.000	9.029	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
OF	498.000	-16.705	0.000	9.029	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
OF	499.000	-16.705	0.000	9.029	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
OF	500.000	-16.705	0.000	9.029	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
OF	501.000	-16.705	0.000	9.029	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
OF	502.000	-16.705	0.000	9.029	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
OF	503.000	-16.705	0.000	9.029	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
OF	504.000	-16.705	0.000	9.029	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
OF	505.000	-16.705	0.000	9.029	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
OF	506.000	-16.705	0.000	9.029	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
OF	507.000	-16.705	0.000	9.029	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
OF	508.000	-16.705	0.000	9.029	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
OF	509.000	-16.705	0.000	9.029	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
OF	510.000	-16.705	0.000	9.029	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
OF	511.000	-16.705	0.000	9.029	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
OF	512.000	-16.705	0.000	9.029	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
OF	513.000	-16.705	0.000	9.029	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
OF	514.000	-16.705	0.000	9.029	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
OF	515.000	-16.705	0.000	9.029	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
OF	516.000	-16.705	0.000	9.029	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
OF	517.000	-16.705	0.000	9.029	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
OF	518.000	-16.705	0.000	9.029	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
OF	519.000	-16.705	0.000	9.029	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
OF	520.000	-16.705	0.000	9.029	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
OF	521.000	-16.705	0.000	9.029	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
OF	522.000	-16.705	0.000	9.029	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
OF	523.000	-16.705	0.000	9.029	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
OF	524.000	-16.705	0.000	9.029	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
OF	525.000	-16.705	0.000	9.029	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
OF	526.000	-16.705	0.000	9.029	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
OF	527.000	-16.705	0.000	9.029	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
OF	528.000	-16.705	0.000	9.029	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
OF	529.000	-16.705	0.000	9.029	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
OF	530.000	-16.705	0.000	9.029	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
OF	531.000	-16.705	0.000	9.029	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
OF	532.000	-16.705	0.000	9.029	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
OF	533.000	-16.705	0.000	9.029	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
OF	534.000	-16.705	0.000	9.029	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
OF	535.000	-16.705	0.000	9.029	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
OF	536.000	-16.705	0.000	9.029	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
OF	537.000	-16.705	0.000	9.029	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

OF	538.000	-16.705	0.000	9.029	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
OF	539.000	-16.705	0.000	9.029	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
OF	540.000	-16.705	0.000	9.029	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	541.000	-16.704	0.000	9.029	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	542.000	-16.704	0.000	9.029	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
OF	543.000	-16.704	0.000	9.029	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
OF	544.000	-16.704	0.000	9.029	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
OF	545.000	-16.704	0.000	9.029	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
OF	546.000	-16.704	0.000	9.029	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
OF	547.000	-16.704	0.000	9.029	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
OF	548.000	-16.704	0.000	9.029	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
OF	549.000	-16.704	0.000	9.029	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
OF	550.000	-16.704	0.000	9.029	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
OF	551.000	-16.704	0.000	9.029	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
OF	552.000	-16.704	0.000	9.029	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
OF	553.000	-16.704	0.000	9.029	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
OF	554.000	-16.704	0.000	9.029	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
OF	555.000	-16.704	0.000	9.029	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
OF	556.000	-16.704	0.000	9.029	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
OF	557.000	-16.704	0.000	9.029	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
OF	558.000	-16.704	0.000	9.029	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
OF	559.000	-16.704	0.000	9.029	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
OF	560.000	-16.704	0.000	9.029	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
OF	561.000	-16.704	0.000	9.029	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	562.000	-16.703	0.000	9.029	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	563.000	-16.703	0.000	9.029	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
OF	564.000	-16.703	0.000	9.029	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
OF	565.000	-16.703	0.000	9.029	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
OF	566.000	-16.703	0.000	9.029	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
OF	567.000	-16.703	0.000	9.029	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
OF	568.000	-16.703	0.000	9.029	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
OF	569.000	-16.703	0.000	9.029	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
OF	570.000	-16.703	0.000	9.029	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
OF	571.000	-16.703	0.000	9.029	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
OF	572.000	-16.703	0.000	9.029	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
OF	573.000	-16.703	0.000	9.029	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
OF	574.000	-16.703	0.000	9.029	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
OF	575.000	-16.703	0.000	9.029	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
OF	576.000	-16.703	0.000	9.029	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
OF	577.000	-16.703	0.000	9.028	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
OF	578.000	-16.703	0.000	9.028	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
OF	579.000	-16.703	0.000	9.028	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
OF	580.000	-16.703	0.000	9.028	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
OF	581.000	-16.703	0.000	9.028	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
OF	582.000	-16.703	0.000	9.028	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	583.000	-16.702	0.000	9.028	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	584.000	-16.702	0.000	9.028	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
OF	585.000	-16.702	0.000	9.028	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
OF	586.000	-16.702	0.000	9.028	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
OF	587.000	-16.702	0.000	9.028	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
OF	588.000	-16.702	0.000	9.028	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
OF	589.000	-16.702	0.000	9.028	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
OF	590.000	-16.702	0.000	9.028	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
OF	591.000	-16.702	0.000	9.028	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
OF	592.000	-16.702	0.000	9.028	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
OF	593.000	-16.702	0.000	9.028	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
OF	594.000	-16.702	0.000	9.028	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
OF	595.000	-16.702	0.000	9.028	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
OF	596.000	-16.702	0.000	9.028	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
OF	597.000	-16.702	0.000	9.028	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
OF	598.000	-16.702	0.000	9.028	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
OF	599.000	-16.702	0.000	9.028	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
OF	600.000	-16.702	0.000	9.028	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
OF	601.000	-16.702	0.000	9.028	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	602.000	-16.701	0.000	9.028	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	603.000	-16.701	0.000	9.028	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
OF	604.000	-16.701	0.000	9.028	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
OF	605.000	-16.701	0.000	9.028	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
OF	606.000	-16.701	0.000	9.028	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
OF	607.000	-16.701	0.000	9.028	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
OF	608.000	-16.701	0.000	9.028	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
OF	609.000	-16.701	0.000	9.028	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
OF	610.000	-16.701	0.000	9.028	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
OF	611.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000		0.000	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	612.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	613.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	614.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	615.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	616.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	618.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	619.000	-16.701	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	621.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	622.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	624.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	625.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	627.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	628.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	630.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	631.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	633.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	634.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	636.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	637.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	639.000	-16.700	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	640.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	642.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	643.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	645.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	646.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	648.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	649.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	651.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	652.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	654.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.000	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	655.000	-16.699	0.000	9.028	0.000	0.000	0.000	0.000	0.046	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	657.000	-16.562	0.000	9.028	0.000	0.000	0.000	0.000	0.087	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	658.000	-16.438	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	660.000	-16.190	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	661.000	-16.066	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	663.000	-15.818	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	664.000	-15.694	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	666.000	-15.446	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	667.000	-15.322	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	669.000	-15.074	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	670.000	-14.950	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	672.000	-14.702	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	673.000	-14.578	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	675.000	-14.329	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	676.000	-14.206	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	678.000	-13.957	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	679.000	-13.833	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	681.000	-13.585	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	682.000	-13.461	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	684.000	-13.213	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	685.000	-13.089	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	687.000	-12.841	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	688.000	-12.717	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	690.000	-12.469	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	691.000	-12.345	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	694.000	-11.972	0.000	9.028	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	696.000	-11.725	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	697.000	-11.600	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	702.000	-10.980	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	703.000	-10.856	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	708.000	-10.236	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	709.000	-10.112	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	714.000	-9.492	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	715.000	-9.368	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	720.000	-8.748	0.000	9.029	0.000	0.000	0.000	0.000	0.124	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	721.000	-8.624	0.000	9.029	0.000	0.000	0.000	0.000	0.137	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	726.000	-7.928	0.000	9.029	0.000	0.000	0.000	0.000	0.140	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	727.000	-7.782	0.000	9.029	0.000	0.000	0.000	0.000	0.146	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	732.000	-7.051	0.000	9.029	0.000	0.000	0.000	0.000	0.146	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	733.000	-6.905	0.000	9.029	0.000	0.000	0.000	0.000	0.146	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	738.000	-6.175	0.000	9.030	0.000	0.000	0.000	0.000	0.146	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	739.000	-6.029	0.000	9.030	0.000	0.000	0.000	0.000	0.146	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	750.000	-4.422	0.000	9.030	0.000	0.000	0.000	0.000	0.146	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE

	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	751.000	-4.276	0.000	9.030	0.000	0.000	0.000	0.000	0.123	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	796.000	1.214	0.000	9.031	0.000	0.000	0.000	0.000	0.135	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	805.000	3.018	0.000	9.031	0.000	0.000	0.000	0.000	0.447	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	813.500	9.031	0.000	9.031	0.000	0.000	0.000	0.000	0.707	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	4.70	6.94	12.32
OF	79.00	4.72	6.94	12.33
OF	80.00	4.72	6.94	12.33
OF	81.00	4.72	6.94	12.33
OF	82.00	4.72	6.94	12.33
OF	83.00	4.72	6.94	12.33
OF	84.00	4.72	6.94	12.33
OF	85.00	4.72	6.94	12.33
OF	86.00	4.72	6.94	12.33
OF	87.00	4.72	6.94	12.33
OF	88.00	4.72	6.94	12.33
OF	89.00	4.72	6.94	12.33
OF	90.00	4.72	6.94	12.33
OF	91.00	4.72	6.94	12.33
OF	92.00	4.72	6.94	12.33
OF	93.00	4.72	6.94	12.33
OF	94.00	4.72	6.94	12.33
OF	95.00	4.72	6.94	12.33
OF	96.00	4.72	6.94	12.33
OF	97.00	4.72	6.94	12.33
OF	98.00	4.72	6.94	12.33
OF	99.00	4.72	6.94	12.33
OF	100.00	4.72	6.94	12.33
OF	101.00	4.72	6.94	12.33
OF	102.00	4.72	6.94	12.33
OF	103.00	4.72	6.94	12.33
OF	104.00	4.72	6.94	12.33
OF	105.00	4.72	6.94	12.33
OF	106.00	4.72	6.94	12.33
OF	107.00	4.72	6.94	12.33
OF	108.00	4.72	6.94	12.33
OF	109.00	4.72	6.94	12.33
OF	110.00	4.72	6.94	12.33
OF	111.00	4.72	6.94	12.33
OF	112.00	4.72	6.94	12.33
OF	113.00	4.73	6.94	12.33
OF	114.00	4.73	6.94	12.33
OF	115.00	4.73	6.94	12.34
OF	116.00	4.73	6.94	12.34
OF	117.00	4.73	6.94	12.34
OF	118.00	4.73	6.94	12.34
OF	119.00	4.73	6.94	12.34
OF	120.00	4.73	6.94	12.34
OF	121.00	4.73	6.94	12.34
OF	122.00	4.73	6.94	12.34
OF	123.00	4.73	6.94	12.34
OF	126.00	4.73	6.94	12.34
OF	164.00	4.74	6.94	12.35
OF	165.00	4.74	6.94	12.35
OF	166.00	4.74	6.94	12.35
OF	167.00	4.74	6.94	12.35
OF	168.00	4.74	6.94	12.35
OF	169.00	4.74	6.94	12.35
OF	170.00	4.74	6.94	12.35
OF	171.00	4.74	6.94	12.35
OF	172.00	4.74	6.94	12.35
OF	173.00	4.75	6.94	12.35
OF	174.00	4.75	6.94	12.35
OF	175.00	4.75	6.94	12.35
OF	176.00	4.75	6.94	12.35
OF	177.00	4.75	6.94	12.35
OF	178.00	4.75	6.94	12.35
OF	179.00	4.75	6.94	12.35
OF	180.00	4.75	6.94	12.35
OF	181.00	4.75	6.94	12.35
OF	182.00	4.75	6.94	12.35
OF	183.00	4.75	6.94	12.35
OF	184.00	4.75	6.94	12.35
OF	185.00	4.75	6.94	12.35
OF	186.00	4.75	6.94	12.35
OF	187.00	4.75	6.94	12.35
OF	188.00	4.75	6.94	12.35
OF	189.00	4.75	6.94	12.35
OF	191.00	4.75	6.94	12.35
OF	192.00	4.75	6.94	12.35
OF	194.00	4.75	6.94	12.35
OF	195.00	4.75	6.94	12.35
OF	197.00	4.75	6.94	12.35
OF	198.00	4.75	6.94	12.35
OF	200.00	4.75	6.94	12.35
OF	201.00	4.75	6.94	12.35
OF	203.00	4.75	6.94	12.36
OF	204.00	4.76	6.94	12.36
OF	206.00	4.76	6.94	12.36
OF	207.00	4.76	6.94	12.36
OF	209.00	4.76	6.94	12.36
OF	210.00	4.76	6.94	12.36
OF	212.00	4.76	6.94	12.36
OF	213.00	4.76	6.94	12.36
OF	215.00	4.76	6.94	12.36
OF	216.00	4.76	6.94	12.36

OF	218.00	4.76	6.94	12.36
OF	219.00	4.76	6.94	12.36
OF	221.00	4.76	6.94	12.36
OF	222.00	4.76	6.94	12.36
OF	224.00	4.76	6.94	12.36
OF	225.00	4.76	6.94	12.36
OF	227.00	4.76	6.94	12.36
OF	228.00	4.76	6.94	12.36
OF	230.00	4.76	6.94	12.36
OF	231.00	4.76	6.94	12.36
OF	233.00	4.77	6.94	12.36
OF	234.00	4.77	6.94	12.36
OF	236.00	4.77	6.94	12.36
OF	237.00	4.77	6.94	12.36
OF	239.00	4.77	6.94	12.36
OF	240.00	4.77	6.94	12.36
OF	242.00	4.77	6.94	12.37
OF	243.00	4.77	6.94	12.37
OF	245.00	4.77	6.94	12.37
OF	246.00	4.77	6.94	12.37
OF	248.00	4.77	6.94	12.37
OF	249.00	4.77	6.94	12.37
OF	251.00	4.77	6.94	12.37
OF	252.00	4.77	6.94	12.37
OF	255.00	4.77	6.94	12.37
OF	256.00	4.77	6.94	12.37
OF	258.00	4.78	6.94	12.37
OF	259.00	4.78	6.94	12.37
OF	261.00	4.78	6.94	12.37
OF	262.00	4.78	6.94	12.37
OF	264.00	4.78	6.94	12.37
OF	265.00	4.78	6.94	12.37
OF	267.00	4.78	6.94	12.37
OF	268.00	4.78	6.94	12.37
OF	270.00	4.78	6.94	12.37
OF	271.00	4.78	6.94	12.37
OF	273.00	4.78	6.94	12.37
OF	274.00	4.78	6.94	12.37
OF	276.00	4.78	6.94	12.37
OF	277.00	4.78	6.94	12.37
OF	279.00	4.78	6.94	12.38
OF	280.00	4.78	6.94	12.38
OF	282.00	4.78	6.94	12.38
OF	283.00	4.79	6.94	12.38
OF	285.00	4.79	6.94	12.38
OF	286.00	4.79	6.94	12.38
OF	288.00	4.79	6.94	12.38
OF	289.00	4.79	6.94	12.38
OF	291.00	4.79	6.94	12.38
OF	292.00	4.79	6.94	12.38
OF	294.00	4.79	6.94	12.38
OF	295.00	4.79	6.94	12.38
OF	297.00	4.79	6.94	12.38
OF	298.00	4.79	6.94	12.38
OF	300.00	4.79	6.94	12.38
OF	301.00	4.79	6.94	12.38
OF	303.00	4.79	6.94	12.38
OF	304.00	4.79	6.94	12.38
OF	306.00	4.79	6.94	12.38
OF	307.00	4.79	6.94	12.38
OF	309.00	4.80	6.94	12.38
OF	310.00	4.80	6.94	12.38
OF	312.00	4.80	6.94	12.38
OF	313.00	4.80	6.94	12.39
OF	315.00	4.80	6.94	12.39
OF	316.00	4.80	6.94	12.39
OF	318.00	4.80	6.94	12.39
OF	319.00	4.80	6.94	12.39
OF	321.00	4.80	6.94	12.39
OF	322.00	4.80	6.94	12.39
OF	324.00	4.80	6.94	12.39
OF	325.00	4.80	6.94	12.39
OF	327.00	4.80	6.94	12.39
OF	328.00	4.80	6.94	12.39
OF	330.00	4.80	6.94	12.39
OF	331.00	4.80	6.94	12.39
OF	333.00	4.81	6.94	12.39
OF	334.00	4.81	6.94	12.39
OF	336.00	4.81	6.94	12.39
OF	337.00	4.81	6.94	12.39
OF	339.00	4.81	6.94	12.39
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OF	342.00	4.81	6.94	12.39
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OF	355.00	4.81	6.94	12.40
OF	357.00	4.82	6.94	12.40
OF	358.00	4.82	6.94	12.40
OF	360.00	4.82	6.94	12.40
OF	361.00	4.82	6.94	12.40
OF	363.00	4.82	6.94	12.40
OF	364.00	4.82	6.94	12.40
OF	366.00	4.82	6.94	12.40
OF	367.00	4.82	6.94	12.40
OF	369.00	4.82	6.94	12.40
OF	370.00	4.82	6.94	12.40
OF	372.00	4.82	6.94	12.40
OF	373.00	4.82	6.94	12.40
OF	375.00	4.82	6.94	12.40
OF	376.00	4.82	6.94	12.40
OF	378.00	4.82	6.94	12.40
OF	379.00	4.82	6.94	12.40
OF	381.00	4.83	6.94	12.41
OF	382.00	4.83	6.94	12.41

OF	384.00	4.83	6.94	12.41
OF	385.00	4.83	6.94	12.41
OF	387.00	4.83	6.94	12.41
OF	388.00	4.83	6.94	12.41
OF	398.00	4.82	6.94	12.40
OF	399.00	4.82	6.94	12.40
OF	400.00	4.82	6.94	12.40
OF	401.00	4.82	6.94	12.40
OF	402.00	4.82	6.94	12.40
OF	403.00	4.82	6.94	12.40
OF	404.00	4.82	6.94	12.40
OF	405.00	4.82	6.94	12.40
OF	407.00	4.82	6.94	12.40
OF	408.00	4.82	6.94	12.40
OF	409.00	4.82	6.94	12.40
OF	410.00	4.82	6.94	12.40
OF	411.00	4.82	6.94	12.40
OF	412.00	4.82	6.94	12.40
OF	413.00	4.82	6.94	12.40
OF	414.00	4.82	6.94	12.40
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OF	417.00	4.82	6.94	12.40
OF	418.00	4.82	6.94	12.40
OF	419.00	4.82	6.95	12.40
OF	420.00	4.82	6.95	12.40
OF	421.00	4.82	6.95	12.40
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OF	423.00	4.82	6.95	12.40
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OF	444.00	4.83	6.95	12.41
OF	445.00	4.83	6.95	12.41
OF	446.00	4.83	6.95	12.41
OF	447.00	4.83	6.95	12.41
OF	448.00	4.83	6.95	12.41
OF	449.00	4.83	6.95	12.41
OF	450.00	4.83	6.95	12.41
OF	451.00	4.83	6.95	12.41
OF	452.00	4.83	6.95	12.41
OF	453.00	4.83	6.95	12.41
OF	454.00	4.83	6.95	12.41
OF	455.00	4.83	6.95	12.41
OF	456.00	4.83	6.95	12.41
OF	457.00	4.83	6.95	12.41
OF	458.00	4.83	6.95	12.41
OF	459.00	4.83	6.95	12.41
OF	460.00	4.83	6.95	12.41
OF	461.00	4.83	6.95	12.41
OF	462.00	4.83	6.95	12.41
OF	463.00	4.83	6.95	12.41
OF	464.00	4.84	6.95	12.41
OF	465.00	4.84	6.95	12.41
OF	466.00	4.84	6.95	12.41
OF	467.00	4.84	6.95	12.41
OF	468.00	4.84	6.95	12.41
OF	469.00	4.84	6.95	12.41
OF	470.00	4.84	6.95	12.41
OF	471.00	4.84	6.95	12.41
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OF	473.00	4.84	6.95	12.41
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OF	475.00	4.84	6.95	12.41
OF	476.00	4.84	6.95	12.42
OF	477.00	4.84	6.95	12.42
OF	478.00	4.84	6.95	12.42
OF	479.00	4.84	6.95	12.42
OF	480.00	4.84	6.95	12.42
OF	481.00	4.84	6.95	12.42
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OF	486.00	4.84	6.95	12.42
OF	487.00	4.84	6.95	12.42
OF	488.00	4.84	6.95	12.42
OF	489.00	4.84	6.95	12.42
OF	490.00	4.84	6.95	12.42
OF	491.00	4.84	6.95	12.42
OF	492.00	4.84	6.95	12.42
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OF	494.00	4.84	6.95	12.42
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OF	502.00	4.85	6.95	12.42
OF	503.00	4.85	6.95	12.42
OF	504.00	4.85	6.95	12.42

OF	505.00	4.85	6.95	12.42
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OF	507.00	4.85	6.95	12.42
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OF	517.00	4.85	6.95	12.42
OF	518.00	4.85	6.95	12.43
OF	519.00	4.85	6.95	12.43
OF	520.00	4.85	6.95	12.43
OF	521.00	4.85	6.95	12.43
OF	522.00	4.85	6.95	12.43
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OF	570.00	4.87	6.95	12.44
OF	571.00	4.87	6.95	12.44
OF	572.00	4.87	6.95	12.44
OF	573.00	4.87	6.95	12.44
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OF	575.00	4.87	6.95	12.44
OF	576.00	4.87	6.95	12.44
OF	577.00	4.87	6.95	12.44
OF	578.00	4.87	6.95	12.44
OF	579.00	4.87	6.95	12.44
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OF	581.00	4.87	6.95	12.44
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OF	583.00	4.87	6.95	12.44
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OF	585.00	4.87	6.95	12.44
OF	586.00	4.87	6.95	12.44
OF	587.00	4.87	6.95	12.44
OF	588.00	4.87	6.95	12.44
OF	589.00	4.87	6.95	12.44
OF	590.00	4.87	6.95	12.44
OF	591.00	4.87	6.95	12.44
OF	592.00	4.87	6.95	12.44
OF	593.00	4.87	6.95	12.44
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OF	595.00	4.88	6.95	12.44
OF	596.00	4.88	6.95	12.44
OF	597.00	4.88	6.95	12.44
OF	598.00	4.88	6.95	12.44
OF	599.00	4.88	6.95	12.44
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OF	618.00	4.88	6.95	12.45
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OF	621.00	4.88	6.95	12.45
OF	622.00	4.88	6.95	12.45
OF	624.00	4.88	6.95	12.45
OF	625.00	4.88	6.95	12.45
OF	627.00	4.89	6.95	12.45
OF	628.00	4.89	6.95	12.45
OF	630.00	4.89	6.95	12.45
OF	631.00	4.89	6.95	12.45
OF	633.00	4.89	6.95	12.45
OF	634.00	4.89	6.95	12.45
OF	636.00	4.89	6.95	12.45
OF	637.00	4.89	6.95	12.45
OF	639.00	4.89	6.95	12.45
OF	640.00	4.89	6.95	12.45
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OF	643.00	4.89	6.95	12.45
OF	645.00	4.89	6.95	12.45
OF	646.00	4.89	6.95	12.45
OF	648.00	4.89	6.95	12.45
OF	649.00	4.89	6.95	12.45
OF	651.00	4.89	6.95	12.45
OF	652.00	4.89	6.95	12.45
OF	654.00	4.89	6.95	12.45
OF	655.00	4.89	6.95	12.45
OF	657.00	4.90	6.95	12.46
OF	658.00	4.90	6.95	12.46
OF	660.00	4.91	6.95	12.46
OF	661.00	4.91	6.95	12.47
OF	663.00	4.92	6.95	12.47
OF	664.00	4.92	6.95	12.47
OF	666.00	4.93	6.95	12.48
OF	667.00	4.94	6.95	12.48
OF	669.00	4.94	6.95	12.49
OF	670.00	4.95	6.95	12.49
OF	672.00	4.96	6.95	12.50
OF	673.00	4.96	6.95	12.50
OF	675.00	4.97	6.95	12.51
OF	676.00	4.97	6.95	12.51
OF	678.00	4.98	6.95	12.52
OF	679.00	4.99	6.95	12.52
OF	681.00	5.00	6.95	12.53
OF	682.00	5.00	6.95	12.53
OF	684.00	5.01	6.95	12.54
OF	685.00	5.02	6.95	12.54
OF	687.00	5.03	6.95	12.55
OF	688.00	5.03	6.95	12.55
OF	690.00	5.04	6.95	12.56
OF	691.00	5.05	6.95	12.56
OF	694.00	5.07	6.95	12.57
OF	696.00	5.08	6.95	12.58
OF	697.00	5.08	6.95	12.59
OF	702.00	5.11	6.95	12.61
OF	703.00	5.12	6.95	12.61
OF	708.00	5.15	6.95	12.64
OF	709.00	5.16	6.95	12.64
OF	714.00	5.20	6.95	12.67
OF	715.00	5.20	6.95	12.67
OF	720.00	5.24	6.95	12.70
OF	721.00	5.25	6.95	12.70
OF	726.00	5.30	6.95	12.74
OF	727.00	5.31	6.95	12.74
OF	732.00	5.36	6.95	12.78
OF	733.00	5.37	6.95	12.79
OF	738.00	5.43	6.95	12.83
OF	739.00	5.45	6.95	12.84
OF	750.00	5.60	6.95	12.95
OF	751.00	5.62	6.95	12.96
IF	796.00	5.69	6.95	13.01
IF	805.00	4.52	6.95	12.19
IF	813.50	0.01	6.95	9.04

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

STATION	10-YEAR SURGE	100-YEAR SURGE
345.00	1.00	9.03
497.00	1.00	9.03
577.00	1.00	9.03
696.00	1.00	9.03
738.00	1.00	9.03
796.00	1.00	9.03

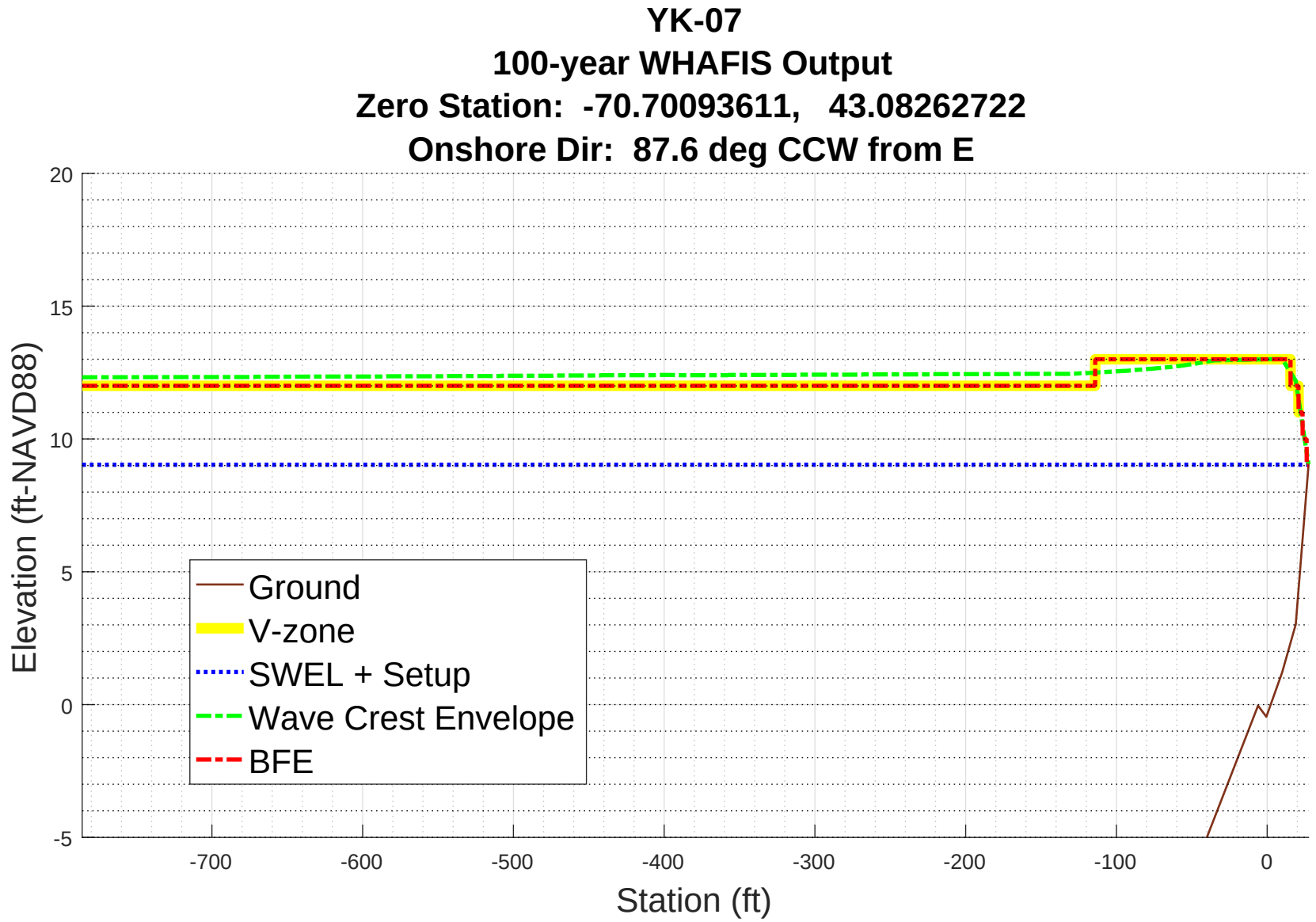
PART5 LOCATION OF V ZONES

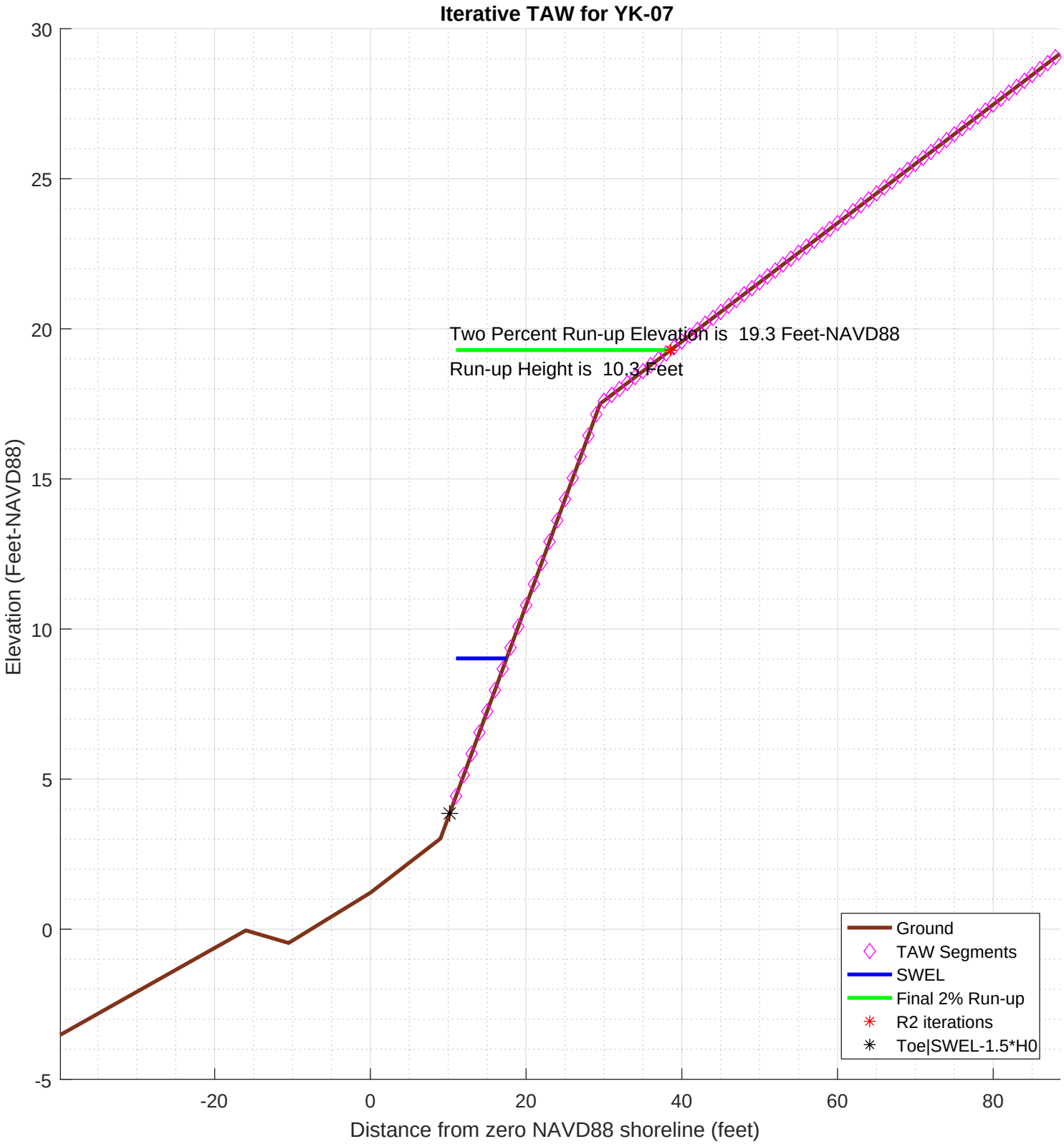
STATION OF GUTTER	LOCATION OF ZONE
807.86	WINDWARD

PART6 NUMBERED A ZONES AND V ZONES

STATION OF GUTTER	ELEVATION	ZONE DESIGNATION	FHF
0.00	12.32		
		V22 EL=12	120
343.00	12.39		
		V22 EL=12	120
345.00	12.40		
		V22 EL=12	120
496.00	12.42		
		V22 EL=12	120
497.00	12.42		
		V22 EL=12	120
576.00	12.44		
		V22 EL=12	120
577.00	12.44		
		V22 EL=12	120
672.80	12.50		
		V22 EL=13	120
694.00	12.57		
		V22 EL=13	120
696.00	12.58		
		V22 EL=13	120
733.00	12.79		

```
                                                                V22  EL=13     120
                                738.00          12.83
                                                                V22  EL=13     120
                                751.00          12.96
                                                                V22  EL=13     120
                                796.00          13.01
                                                                V22  EL=13     120
                                801.63          12.50
                                                                V22  EL=12     120
                                806.87          11.50
                                                                V22  EL=11     120
                                807.86          11.13
                                                                A18  EL=11      90
                                809.56          10.50
                                                                A18  EL=10      90
                                812.25           9.50
                                                                A18  EL= 9      90
                                813.50           9.04
                                     ZONE TERMINATED AT END OF TRANSECT
                                     PART 7   POSTSCRIPT NOTES
                           PS#  1   START(361534.0939,4771155.0782)
                           PS#  2   END(361550.198,4771543.3657)
-1.000000e+00
```


YK-07
100-year WHAFIS Output
Zero Station: -70.70093611, 43.08262722
Onshore Dir: 87.6 deg CCW from E
Elevation (ft-NAVD88)
Station (ft)
20
15
10
5
0
-5
-700
-600
-500
-400
-300
-200
-100
0
Ground
V-zone
SWEL + Setup
Wave Crest Envelope
BFE


Iterative TAW for YK-07
Two Percent Run-up Elevation is 19.3 Feet-NAVD88
Run-up Height is 10.3 Feet
Elevation (Feet-NAVD88)
Distance from zero NAVD88 shoreline (feet)
30
25
20
15
10
5
0
-5
-20
0
20
40
60
80
Ground
TAW Segments
SWEL
Final 2% Run-up
R2 iterations
Toe|SWEL-1.5*H0

```
diary on         % begin recording

% FEMA appeal for The Town of Harpswell, Cumberland county, Maine
% TRANSECT ID: YK-07
% calculation by SJH, Ransom Consulting, Inc. 06-Feb-2020
% 100-year wave runup using TAW methodology
% including berm and weighted average with foreshore if necessary
%
% chk nld 20181015
%
% 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-07sta_ele_include.csv';   % file with station, elevation, include
                                     % third colunm is 0 for excluded points
imgname='logfiles/YK-07-runup';
SWEL=9.0273;  % 100-yr still water level including wave setup.
H0=3.4318;    % significant wave height at toe of structure
Tp=6.9867;    % peak period, 1/fma,
T0=Tp/1.1;

gamma_berm=1;   % this may get changed automatically below
gamma_rough=0.85;
gamma_beta=1;
gamma_perm=1;

setupAtToe=-0.02211;
maxSetup=0;   % only used in case of berm/shallow foreshore weighted average

plotTitle='Iterative TAW for YK-07'

plotTitle =

Iterative TAW for YK-07



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

SWEL=SWEL+setupAtToe

SWEL =

                   9.00519

SWEL_fore=SWEL+maxSetup

SWEL_fore =

                   9.00519



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

L0 =

           206.423876616238


% 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 =
```

```
                  3.85749


% 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 =

                 14.15289


% 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 =

          10.1875736822813


top_sta =

          24.7583051341601

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

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

top_sta =

          24.7583051341601

toe_sta

toe_sta =

          10.1875736822813



% 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',de
   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 28.5 ft landward of toe of slope


ans =

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


ans =

-!!-       setup is adjusted to -0.01 feet


ans =

-!!-       SWEL is adjusted to 9.02 feet


k =

     1
     2
     3
     4
     5
     6
     7
     8
     9
    10
    11
    12
    13
    14
    15
    16
    17
    18
    19
    20
    21
    22



% now iterate converge on a runup elevation
tol=0.001;  % 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*
   TAW_VALID=0;
else
   sprintf('!!! - - Iribaren number: %6.2f is in the valid range (0.5-10), TAW RECOMMENDED - - !!!\n', Irb*gam
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', islop
   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
   % 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 =

                  3.85749


toe_sta =

          10.1875736822813


top_sta =

          24.7583051341601


Z2 =

                 14.15289


H0 =

                   3.4318


Tp =

                   6.9867


T0 =

          6.35154545454545


R2 =

                 10.2954


Z2 =

          19.3170427184004
```

```
top_sta =
          38.6897861781059

Lslope =
          28.5022124958246

ans =
!------- End Berm Factor Calculation, Iter: 1 ---------!

berm_width =
     0

rB =
     0

rdh_mean =
     1

gamma_berm =
     1

slope =
         0.542398339099645

Irb =
          4.20665921551532

gamma_berm =
     1

gamma_perm =
     1

gamma_beta =
     1

gamma_rough =
                      0.85

gamma =
                      0.85

ans =
!!! - - Iribaren number:   4.21 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!


ans =
!!! - - slope: 1:1.8 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!


R2_new =
          10.2676484514331

R2del =
        0.0277515485668882

Z2 =
          19.2892911698335
```

```
top_sta =
          38.5491780320696

ans =
!----------------- STARTING ITERATION 2 -----------------!

Ztoe =
                   3.85749

toe_sta =
          10.1875736822813

top_sta =
          38.5491780320696

Z2 =
          19.2892911698335

H0 =
                    3.4318

Tp =
                    6.9867

T0 =
          6.35154545454545

R2 =
          10.2676484514331

Z2 =
          19.2892911698335

top_sta =
          38.5491780320696

Lslope =
          28.3616043497883

ans =
!------- End Berm Factor Calculation, Iter: 2 ---------!

berm_width =
     0

rB =
     0

rdh_mean =
     1

gamma_berm =
     1

slope =
         0.544108893823867
```

```
Irb =
           4.2199257030312

gamma_berm =
     1

gamma_perm =
     1

gamma_beta =
     1

gamma_rough =
                      0.85

gamma =
                      0.85

ans =
!!! - - Iribaren number:   4.22 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!


ans =
!!! - - slope: 1:1.8 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!


R2_new =
          10.2712282212256

R2del =
       0.00357976979249308

Z2 =
           19.292870939626

top_sta =
           38.567315571045

ans =
!----------------- STARTING ITERATION 3 -----------------!

Ztoe =
                   3.85749

toe_sta =
          10.1875736822813

top_sta =
           38.567315571045

Z2 =
           19.292870939626

H0 =
                    3.4318

Tp =
                    6.9867
```

```
T0 =
          6.35154545454545

R2 =
          10.2712282212256

Z2 =
           19.292870939626

top_sta =
           38.567315571045

Lslope =
          28.3797418887637

ans =
!------- End Berm Factor Calculation, Iter: 3 ---------!

berm_width =
     0

rB =
     0

rdh_mean =
     1

gamma_berm =
     1

slope =
         0.543887291157404

Irb =
          4.21820702723177

gamma_berm =
     1

gamma_perm =
     1

gamma_beta =
     1

gamma_rough =
                     0.85

gamma =
                     0.85

ans =
!!! - - Iribaren number:   4.22 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!


ans =
!!! - - slope: 1:1.8 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
```

```
R2_new =

          10.2707654137979


R2del =

      0.000462807427668466


Z2 =

          19.2924081321983


top_sta =

          38.5649706750757


% final 2% runup elevation
Z2=R2_new+SWEL

Z2 =

          19.2924081321983


diary off
```

PART 5: RUNUP2

for transect: YK-07

Station locations shifted by: -7.62 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input

RUNUP2 INPUT CONVERSIONS
for transect: YK-07

Incident significant wave height: 2.94 feet

Peak wave period: 6.94 seconds

Mean wave height: 1.84 feet

Local Depth below SWEL: 25.38 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

Deep water wavelength, L0 (m)
L0 = g*T*T/twopi
L0 = 32.17*5.90*5.90/6.28 = 178.04
Deep water wave celerity, C0 (ft/s)
C0 = L0/T
C0 = 178.04/5.90 = 30.19
Angular frequency, sigma (rad/s)
sigma = twopi/T
sigma = 6.28/5.90 = 1.07
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
y = sigma.*sigma.*D./g
y = 1.07*1.07*25.38/32.17 = 0.90
C1H = sqrt(g.*D./(y+1./(1 + 0.6522.*y + 0.4622.*y.^2 + 0.0864.*y.^4 +0.0675.*y.^5)))
C1H = 24.29
Shoaling Coefficient KsH
KsH = sqrt(C0/C1H)
KsH = sqrt(30.19/24.29) = 1.11
Deepwater Wave Height H0_H (ft)
H0_H = H/KsH
H0_H = 1.84/1.11 = 1.65

Deepwater mean wave height: 1.65 feet

END RUNUP2 CONVERSIONS

RUNUP2 RESULTS
for transect: YK-07

RUNUP2 SWEL:
9.00
9.00
9.00
9.00
9.00
9.00
9.00
9.00
9.00

RUNUP2 deepwater mean wave heights:
1.57

1.57
1.57
1.65
1.65
1.65
1.73
1.73
1.73

RUNUP2 mean wave periods:
5.60
5.90
6.19
5.60
5.90
6.19
5.60
5.90
6.19

RUNUP2 runup above SWEL:
4.18
4.27
4.36
4.41
4.50
4.58
4.61
4.74
4.82

RUNUP2 Mean runup height above SWEL: 4.50 feet

RUNUP2 2-percent runup height above SWEL: 9.89 feet

RUNUP2 2-percent runup elevation: 18.89 feet-NAVD88

RUNUP2 Messages:
No Messages

_____END RUNUP2 RESULTS_____

_____ACES BEACH RUNUP_____

Incident significant wave height: 2.94 feet

Significant wave height deshoaled using Hunt equation

Deepwater significant wave height: 2.31 feet

Peak wave period: 6.94 seconds

Average beach Slope: 1:19.16 (H:V)

ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'

ACES Beach 2-percent runup height above SWEL: 2.77 feet

ACES Beach 2-percent runup elevation: 11.77 feet-NAVD88

ACES BEACH RUNUP is valid

_____END ACES BEACH RESULTS_____

PART 5 COMPLETE_____

```
  FEMA                                                  sjh            job 2
  RUNUP2 transect: YK-07                                                   1
5.00
  -16.36 -788.4 1.0
  -16.36 -472.4 1.0
  -16.35 -471.4 1.0
  -16.08 -397.4 1.0
  -16.08 -128.4 1.0
  -16.07 -127.4 1.0
  -13.46 -106.4 1.0
  -10.24 -80.4  1.0
  -8.50 -66.4  1.0
  -8.37 -65.4  1.0
  -6.76 -54.4  1.0
  -6.32 -51.4  1.0
  -2.96 -28.4  1.0
  -2.52 -25.4  1.0
  -0.04 -8.4   1.0
  -0.04 -2.9   1.0
  1.21  7.6    1.0
  3.02  16.6   1.0
  17.50 37.1   1.0
1 30.04 100.6  1.0
 9.0   1.57  5.60
 9.0   1.57  5.90
 9.0   1.57  6.19
 9.0   1.65  5.60
 9.0   1.65  5.90
 9.0   1.65  6.19
 9.0   1.73  5.60
 9.0   1.73  5.90
 9.0   1.73  6.19
```

****

CROSS SECTION PROFILE

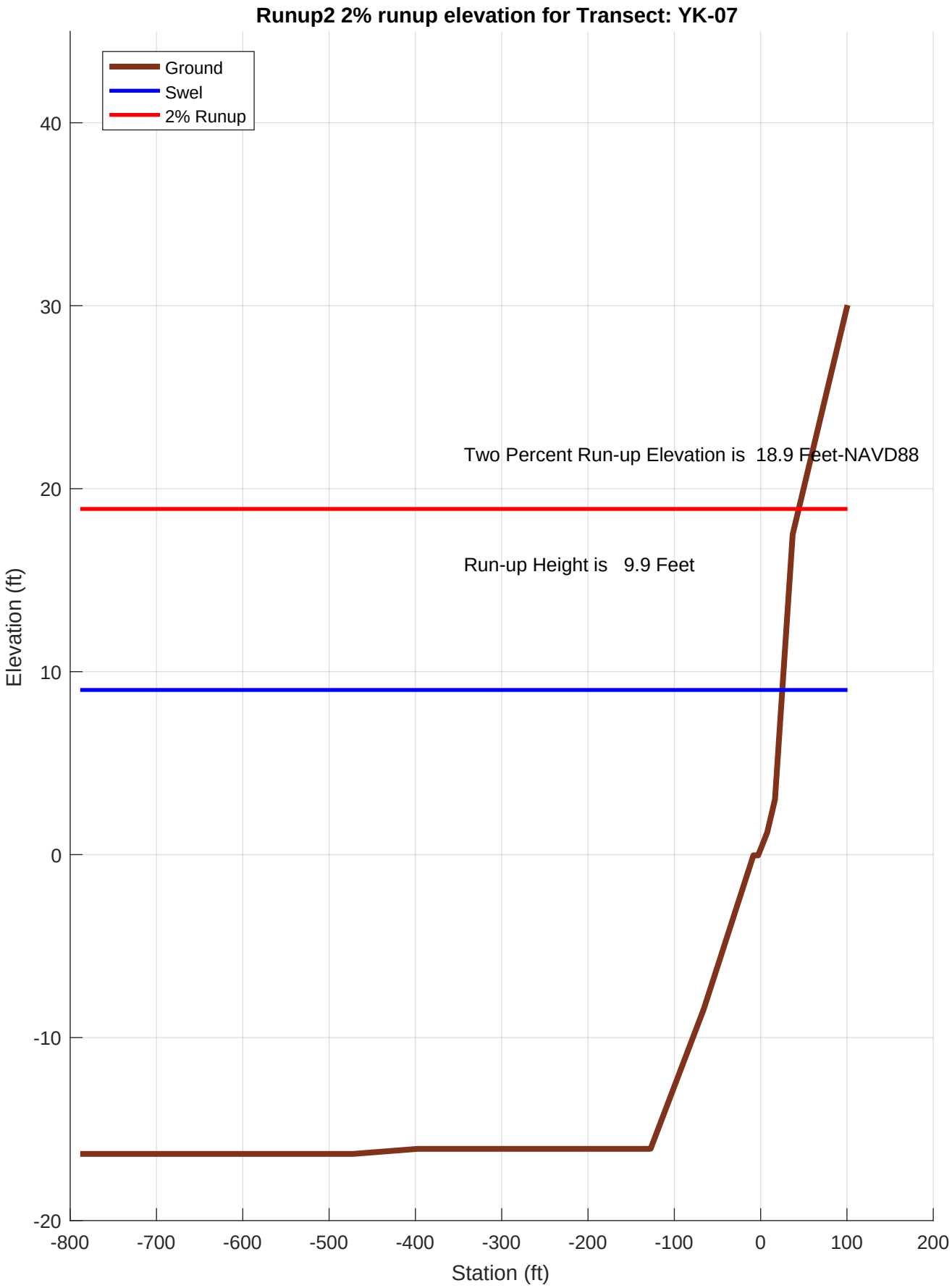
	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-788.0	-16.3		
			.00	1.00
2	-472.0	-16.3		
			FLAT	1.00
3	-471.0	-16.3		
			246.67	1.00
4	-397.0	-16.0		
			FLAT	1.00
5	-128.0	-16.0		
			FLAT	1.00
6	-127.0	-16.0		
			8.08	1.00
7	-106.0	-13.4		
			8.00	1.00
8	-80.4	-10.2		
			8.24	1.00
9	-66.4	-8.5		
			7.69	1.00
10	-65.4	-8.4		
			6.83	1.00
11	-54.4	-6.8		
			6.82	1.00
12	-51.4	-6.3		
			6.85	1.00
13	-28.4	-3.0		
			6.82	1.00
14	-25.4	-2.5		
			6.85	1.00
15	-8.4	.0		
			FLAT	1.00
16	-2.9	.0		
			8.40	1.00
17	7.6	1.2		
			4.97	1.00
18	16.6	3.0		
			1.42	1.00
19	37.1	17.5		
			5.06	1.00
20	100.6	30.0		

LAST SLOPE 5.00 LAST ROUGHNESS 1.00

****

OUTPUT TABLE

INPUT PARAMETERS			RUNUP RESULTS			
WATER LEVEL ABOVE DATUM (FT.)	DEEP WATER WAVE HEIGHT (FT.)	WAVE PERIOD (SEC.)	BREAKING SLOPE NUMBER	RUNUP SLOPE NUMBER	RUNUP ABOVE WATER LEVEL (FT.)	BREAKER DEPTH (FT.)
9.00	1.57	5.60	11	18	4.18	2.27
9.00	1.57	5.90	11	18	4.27	2.31
9.00	1.57	6.19	11	18	4.36	2.35
9.00	1.65	5.60	11	18	4.41	2.37
9.00	1.65	5.90	11	18	4.50	2.41
9.00	1.65	6.19	11	18	4.58	2.45
9.00	1.73	5.60	11	18	4.61	2.46
9.00	1.73	5.90	11	18	4.74	2.50
9.00	1.73	6.19	11	18	4.82	2.55


Runup2 2% runup elevation for Transect: YK-07
Ground
Swel
2% Runup
Two Percent Run-up Elevation is 18.9 Feet-NAVD88
Run-up Height is 9.9 Feet
Elevation (ft)
Station (ft)
40
30
20
10
0
-10
-20
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200