

DATA LOG FOR TRANSECT ID: CM-127-1

PART 1: USER INPUT

SWAN 1-D / WHAFIS input

station: -518 ft

-70.0266 deg E LON: LAT: 43.7453 deg N

Bottom ELEV: -18.8073 ft-NAVD88

8.8666 ft-NAVD88 TWL:

3.0899 ft HS: 6.1662 sec TP:

Wave Direction bin: 135 deg CCW from East (90 deg sector)
Transect Direction: 116.7759 deg CCW from East

TAW/RUNUP input

-61 ft toe sta:

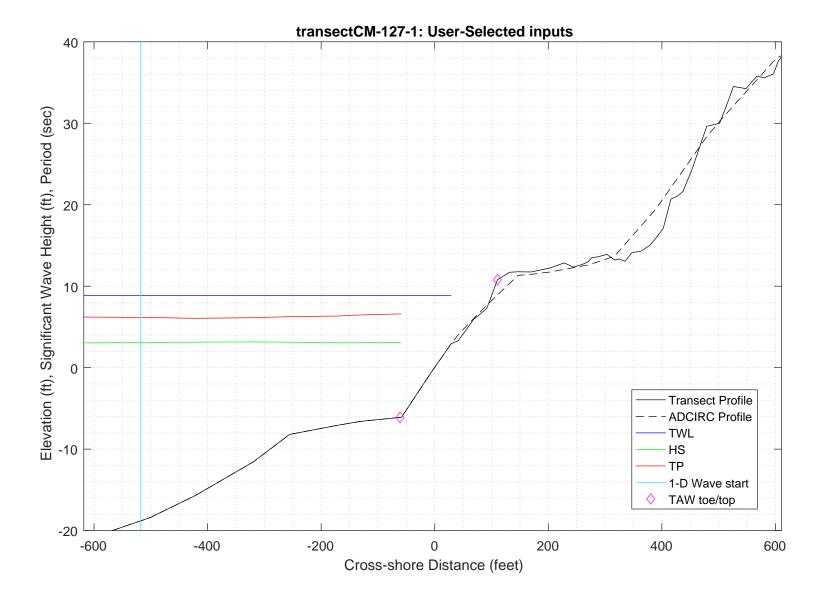
toe elev: -6.1085 ft-NAVD88

top sta: 110.5 ft

top elev: 10.7874 ft-NAVD88

Wave and water level conditions at toe to be calculated in SWAN 1-D

PART 1 COMPLETE_



PART 2: SWAN 1-D

swan input grid name: 2_swan/gridfiles/CM-127-1zmeters_xmeters.grd

swan file name: 2_swan/swanfiles/CM-127-1.swn swan output name: 2_swan/swanfiles/CM-127-1.dat

Boundary Conditions:

TWL- 2.7026 meters HS- 0.9418 meters PER- 6.1662 seconds

Batch File: 2_swan/swanfiles/runswan.dat

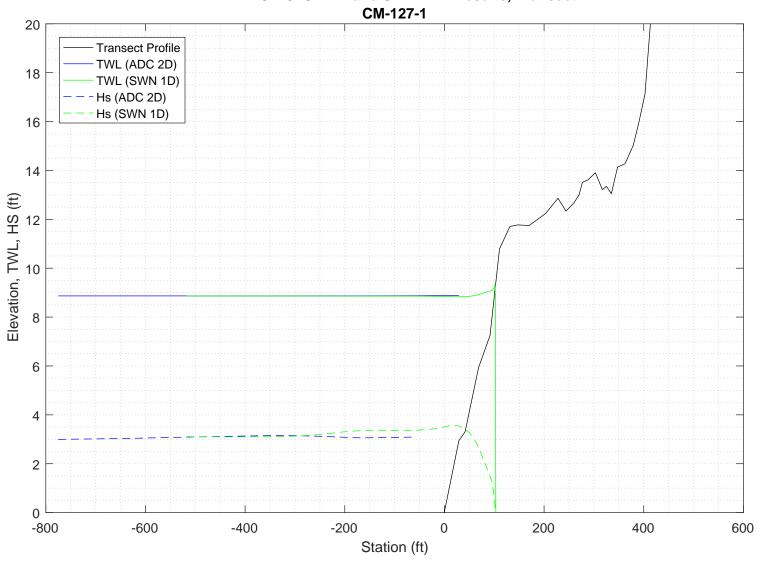
SWAN maximum additional wave setup: 0.46254 feet

SWAN output at toe:

SETUP- -0.0097211 feet HS-3.3682 feet 6.1803 seconds PER-

PART 2 COMPLETE_

2-D ADCIRC+SWAN and SWAN 1-D results, Transect:



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]
             0 0 0
CGRID REGULAR
                               191
                                      0.
                                     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
                                 0 191 0
!READinp BOTtom [fac] 'fname1' [idla] [nhedf] [FREe|FORmat[form]|UNFormatted]
      BOTTOM -1. '../gridfiles/CM-127-1zmeters xmeters.grd' 1
                                                                  FREE
I-----
! -- WIND [vel] [dir]
      25.1 0
WIND
! -- 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 0.9418 6.1662 0 2
!-- \ {\tt BOUndnest1} \ - \ {\tt optional} \ {\tt for} \ {\tt boundary} \ {\tt from} \ {\tt parent} \ {\tt run}
!-- BOUndnest2
!-- BOUndnest3
!-- INITial -- usest to specify initial values
```

```
!-- 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.
!-- 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
          Ω
! ----- 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
                        191 191 0
!TABLe 'sname' < HEADer NOHEADer INDexed > 'fname' <output parameters> (output time)
 Table 'curve'
               HEADER 'CM-127-1.dat' XP YP HSIGN TPS RTP TMM10 DIR &
 DSPR DEPTH SETUP
!QUANTITY XP hexp=99999
!-----
COMPUTE STATIONARY
              COMPUTATIONAL PART OF SWAN
_____
```

!----- P H Y S I C S -----

```
One-dimensional mode of SWAN is activated
                                   192 MYC
Gridresolution
                    : MXC
                                                          1
                     : MCGRD
                                      193
                                       31 MDC
                    : MSC
                                                          36
                    : MTC
                                        1
                    : NSTATC
                                        O TTERMX
                                                          50
Propagation flags
                    : ITFRE
                                        1 IREFR
                                                           1
                    : IBOT
Source term flags
                                        1 ISURF
                                                           1
                    : IWCAP
                                        1 IWIND
                                                           3
                    : ITRIAD
                                        1 IOUAD
                                                           2
                    : IVEG
                                        0 ITURBV
                    : IMUD
                              0.1000E+01 DY
Spatial step
                    : DX
                                                 0.1000E+01
Spectral bin
                    : df/f
                               0.1157E+00 DDIR
                                                 0.1000E+02
Physical constants : GRAV
                               0.9810E+01 RHO
                                                 0.1025E+04
                    : WSPEED 0.2510E+02 DIR
Wind input : WSPEED Tail parameters : E(f)
                                                 0.0000E+00
                               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
                    : LEVEL
                               0.0000E+00 DEPMIN 0.1000E-01
Drying/flooding
The Cartesian convention for wind and wave directions is used
Scheme for geographic propagation is SORDUP
Scheme geogr. space : PROPSC
                                  2 ICMAX
                               0.5000E+00 CDD
Scheme spectral space: CSS
                                                  0.5000E+00
Current is off
Quadruplets
                    : IQUAD
                    : LAMBDA 0.2500E+00 CNL4
                                                  0.3000E+08
                               0.5500E+01 CSH2
                    : CSH1
                                                  0.8330E+00
                    : CSH3
                              -0.1250E+01
                              0.1000E+02
Maximum Ursell nr for Snl4:
                                        1 TRFAC
                                                0.8000E+00
Triads
                    : ITRIAD
                    : CUTFR
                               0.2500E+01 URCRI 0.2000E+00
                               0.1000E-01
Minimum Ursell nr for Snl3 :
JONSWAP ('73)
                    : GAMMA
                             0.3800E-01
Vegetation is off
Turbulence is off
Fluid mud is off
                   : EMPCOF (CDS2):
: APM (STPM) :
: POWST :
W-cap Komen ('84)
                                      0.2360E-04
W-cap Komen ('84)
                                      0.3020E-02
                    : POWST
W-cap Komen ('84)
                                       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
                   : SUPCOR 0.0000E+00
Set-up
Diffraction is off
Janssen ('89,'90)
Janssen ('89,'90)
                    : ALPHA
                               0.1000E-01 KAPPA 0.4100E+00
                    : 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
                               0.0000E+00 CF80
                                               -0.5600E+00
                    : CF70
                               0.1249E-02 EDMLPM 0.3600E-02
                    : RHOAW
                    : CDRAG
                               0.1230E-02 UMIN
                    : LIM_PM
                              0.1300E+00
 First guess by 2nd generation model flags for first iteration:
                        0.1000E+23 ALFA
0 IQUAD 0
 ITER 1 GRWMX
 IWIND
            2 IWCAP
        1 IBOT 1 ISURF
0 ITURBV 0 IMUD
 ITRIAD
                        1 ISURF
                                     1
                                     0
 IVEG
 -----
iteration 1; sweep 1
          1; sweep 2
1; sweep 3
iteration
iteration
          1; sweep 4
iteration
not possible to compute, first iteration
 Options given by user are activated for proceeding calculation:
       2 GRWMX 0.1000E+00 ALFA
                                        0.0000E+00
 ITER
            3 IWCAP
 IWIND
                        1 IQUAD
                                     2
 TTRTAD
           1 IBOT
                        1 ISURF
                                     1
                       0 IMUD
 IVEG
          0 ITURBV
                                     0
 _____
iteration 2; sweep 1
iteration
            2; sweep 2
iteration
            2; sweep 3
            2; sweep 4
iteration
accuracy OK in 18.95 % of wet grid points ( 99.50 % required)
iteration
            3; sweep 1
            3; sweep 2
iteration
iteration
            3; sweep 3
```

```
3; sweep 4
iteration
accuracy OK in 0.53 % of wet grid points (99.50 % required)
iteration
             4; sweep 1
             4; sweep 2
iteration
iteration
             4; sweep 3
iteration
             4; sweep
accuracy OK in 19.48 % of wet grid points ( 99.50 % required)
iteration
             5; sweep 1
iteration
             5; sweep 2
iteration
             5; sweep 3
iteration
             5; sweep
accuracy OK in 87.90 % of wet grid points (99.50 % required)
iteration
             6; sweep 1
iteration
             6; sweep
iteration
             6; sweep
             6; sweep
iteration
accuracy OK in 96.32 % of wet grid points (99.50 % required)
iteration
             7; sweep 1
iteration
             7; sweep 2
             7; sweep 3
iteration
             7; sweep 4
iteration
accuracy OK in 98.95 % of wet grid points (99.50 % required)
iteration
             8; sweep 1
iteration
             8; sweep 2
             8; sweep 3
iteration
             8; sweep 4
iteration
accuracy OK in 98.95 % of wet grid points (99.50 % required)
             9; sweep 1
iteration
iteration
             9; sweep 2
             9; sweep 3
iteration
             9; sweep 4
iteration
accuracy OK in 99.4\bar{8} % of wet grid points ( 99.50 % required)
            10; sweep 1
iteration
iteration
            10; sweep 2
iteration
            10; sweep
iteration
            10; sweep 4
accuracy OK in 98.95 % of wet grid points (99.50 % required)
iteration
            11; sweep 1
iteration
           11; sweep 2
iteration
            11; sweep
iteration
            11; sweep 4
accuracy OK in 98.95 % of wet grid points (99.50 % required)
            12; sweep 1
iteration
iteration
           12; sweep 2
           12; sweep 3
iteration
           12; sweep 4
iteration
accuracy OK in 98.95 % of wet grid points (99.50 % required)
iteration
            13; sweep 1
iteration
           13; sweep
iteration
            13; sweep 3
iteration
            13; sweep 4
accuracy OK in 98.95 % of wet grid points (99.50 % required)
iteration
            14; sweep 1
iteration
            14; sweep 2
iteration
            14; sweep 3
            14; sweep
iteration
accuracy OK in 99.\overline{48} % of wet grid points ( 99.50 % required)
            15; sweep 1
iteration
iteration
            15; sweep 2
iteration
           15; sweep 3
iteration
            15; sweep
accuracy OK in 99.48 % of wet grid points (99.50 % required)
iteration
            16; sweep 1
iteration
            16; sweep 2
iteration
           16; sweep 3
iteration
            16; sweep
accuracy OK in 99.48 % of wet grid points ( 99.50 % required)
iteration
            17; sweep 1
iteration
            17; sweep
            17; sweep
iteration
            17; sweep
accuracy OK in 100.00 % of wet grid points ( 99.50 % required)
```

% % Run:1	Table:	curve	SWAN vers	ion:41.20A						
% Xp % [m		Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0	0.	0.	0.94724	6.1579	6.4550	5.5156	0.134	32.8828	8.4400	0.00000
	1.	0.	0.94716	6.1580	6.4550	5.5145	0.135	32.8353	8.4100	-0.000009
	2.	0.	0.94708	6.1580	6.4550	5.5132	0.135	32.7882	8.3900	-0.000016
	3.	0.	0.94701	6.1581	6.4550	5.5121	0.136	32.7415	8.3600	-0.000025
	4.	0.	0.94698	6.1582	6.4550	5.5109	0.136	32.7019	8.3400	-0.000032
	5.	0.	0.94689	6.1582	6.4550	5.5096	0.137	32.6516	8.3200	-0.000038
	6.	0.	0.94675	6.1584	6.4550	5.5086	0.137	32.5918	8.2799	-0.000051
	7. 8.	0. 0.	0.94660 0.94645	6.1585 6.1587	6.4550 6.4550	5.5073 5.5062	0.138 0.138	32.5353 32.4846	8.2499 8.2099	-0.000060 -0.000072
	9.	0.	0.94634	6.1588	6.4550	5.5052	0.139	32.4407	8.1799	-0.000072
	10.	0.	0.94622	6.1589	6.4550	5.5038	0.139	32.3931	8.1499	-0.000091
	11.	Ö.	0.94609	6.1591	6.4550	5.5026	0.140	32.3452	8.1099	-0.000103
	12.	0.	0.94596	6.1592	6.4550	5.5014	0.140	32.2969	8.0799	-0.000113
	13.	0.	0.94585	6.1594	6.4550	5.5003	0.141	32.2485	8.0399	-0.000125
	14.	0.	0.94577	6.1596	6.4550	5.4990	0.141	32.2052	8.0099	-0.000135
	15.	0.	0.94566	6.1597	6.4550	5.4978	0.142	32.1585	7.9799	-0.000145
	16.	0.	0.94557	6.1599	6.4550	5.4966	0.143	32.1110	7.9398	-0.000158
	17.	0.	0.94546	6.1600	6.4550	5.4954	0.143	32.0631	7.9098	-0.000169
	18.	0.	0.94538	6.1602	6.4550	5.4942	0.144	32.0149	7.8698	-0.000182
	19.	0.	0.94529	6.1603	6.4550	5.4929	0.144	31.9668	7.8398	-0.000192
	20.	0.	0.94521 0.94517	6.1605	6.4550 6.4550	5.4918 5.4905	0.145 0.146	31.9185 31.8755	7.7998 7.7698	-0.000206 -0.000217
	21.	0. 0.	0.94517	6.1607 6.1608	6.4550	5.4892	0.146	31.8755	7.7698	-0.000217
	23.	0.	0.94511	6.1610	6.4550	5.4881	0.147	31.7813	7.7398	-0.000228
	24.	0.	0.94500	6.1612	6.4550	5.4868	0.147	31.7332	7.6697	-0.000242
	25.	0.	0.94497	6.1614	6.4550	5.4857	0.148	31.6851	7.6297	-0.000251
	26.	0.	0.94495	6.1616	6.4550	5.4844	0.149	31.6424	7.5997	-0.000280
	27.	0.	0.94493	6.1617	6.4550	5.4830	0.149	31.5962	7.5697	-0.000292
	28.	0.	0.94491	6.1619	6.4550	5.4819	0.150	31.5487	7.5297	-0.000307
	29.	0.	0.94489	6.1621	6.4550	5.4805	0.151	31.5010	7.4997	-0.000319
	30.	0.	0.94486	6.1623	6.4550	5.4793	0.151	31.4477	7.4597	-0.000335
	31.	0.	0.94483	6.1625	6.4550	5.4781	0.152	31.3926	7.4196	-0.000351
	32.	0.	0.94480	6.1628	6.4550	5.4769	0.153	31.3369	7.3796	-0.000367
	33.	0.	0.94478	6.1630	6.4550	5.4756	0.154	31.2810	7.3396	-0.000384
	34. 35.	0. 0.	0.94477 0.94477	6.1632 6.1635	6.4550 6.4550	5.4744 5.4731	0.154 0.155	31.2251 31.1693	7.2996 7.2596	-0.000400 -0.000418
	36.	0.	0.94478	6.1637	6.4550	5.4719	0.156	31.1137	7.2196	-0.000418
	37.	0.	0.94480	6.1639	6.4550	5.4706	0.157	31.0580	7.1795	-0.000453
	38.	0.	0.94482	6.1642	6.4550	5.4693	0.158	31.0022	7.1395	-0.000470
	39.	0.	0.94486	6.1644	6.4550	5.4681	0.158	30.9465	7.0995	-0.000489
	40.	0.	0.94491	6.1647	6.4550	5.4668	0.159	30.8912	7.0595	-0.000507
	41.	0.	0.94497	6.1649	6.4550	5.4655	0.160	30.8362	7.0195	-0.000526
	42.	0.	0.94504	6.1652	6.4550	5.4642	0.161	30.7822	6.9795	-0.000545
	43.	0.	0.94511	6.1654	6.4550	5.4629	0.162	30.7284	6.9394	-0.000564
	44.	0.	0.94520	6.1657	6.4550	5.4616	0.163	30.6760	6.8994	-0.000584
	45.	0. 0.	0.94527 0.94540	6.1659 6.1662	6.4550 6.4550	5.4603 5.4589	0.164 0.165	30.6206 30.5626	6.8594	-0.000603 -0.000628
	46. 47.	0.	0.94553	6.1665	6.4550	5.4573	0.166	30.5026	6.8094 6.7694	-0.000649
	48.	0.	0.94570	6.1667	6.4550	5.4555	0.168	30.4609	6.7293	-0.000669
	49.	0.	0.94589	6.1670	6.4550	5.4536	0.170	30.4123	6.6893	-0.000690
	50.	0.	0.94612	6.1672	6.4550	5.4515	0.172	30.3630	6.6493	-0.000711
	51.	0.	0.94639	6.1675	6.4550	5.4490	0.174	30.3132	6.6093	-0.000733
	52.	0.	0.94670	6.1677	6.4550	5.4461	0.177	30.2629	6.5692	-0.000755
	53.	0.	0.94703	6.1680	6.4550	5.4432	0.179	30.2134	6.5292	-0.000778
	54.	0.	0.94739	6.1682	6.4550	5.4401	0.181	30.1642	6.4892	-0.000801
	55.	0.	0.94778	6.1685	6.4550	5.4368	0.182	30.1148	6.4492	-0.000824
	56.	0.	0.94820	6.1687	6.4550	5.4333	0.183	30.0654	6.4092	-0.000848
	57. 58.	0.	0.94865 0.94913	6.1690 6.1692	6.4550	5.4296 5.4256	0.185	30.0163 29.9673	6.3691 6.3291	-0.000872 -0.000897
	58. 59.	0. 0.	0.94913	6.1692	6.4550 6.4550	5.4256	0.188 0.191	29.9673	6.3291	-0.000897
	JJ.	0.	0.94303	0.1093	0.4330	J.4210	0.131	Z9.9100	0.2091	-0.000922

00 00 00

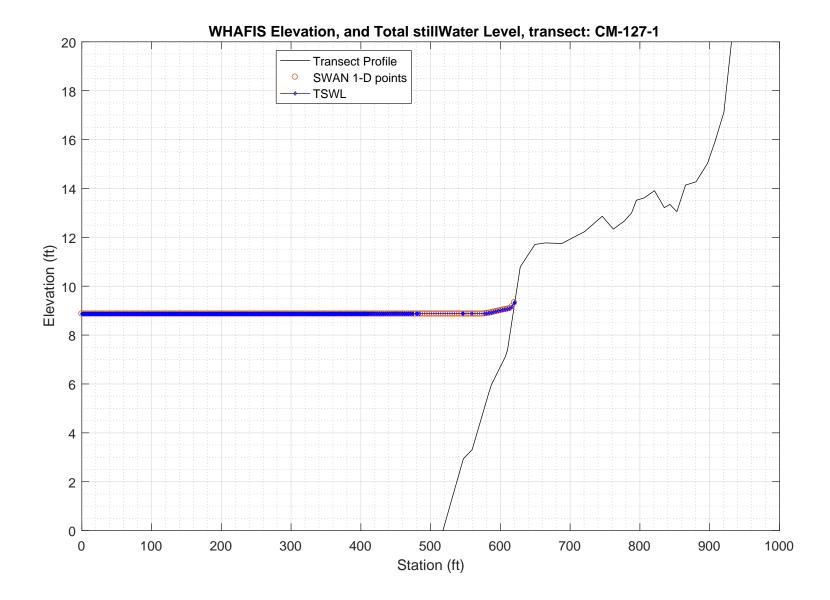
60.	0.	0.95013	6.1697	6.4550	5.4173	0.195	29.8650	6.2491	-0.000948
61.	0.	0.95070	6.1701	6.4550	5.4130	0.196	29.8050	6.1990	-0.000979
62.	0.	0.95130	6.1704	6.4550	5.4085	0.198	29.7437	6.1490	-0.001012
63.	0.	0.95190	6.1707	6.4550	5.4038	0.199	29.6768	6.0990	-0.001045
64.	0.	0.95258	6.1711	6.4550	5.3993	0.201	29.6078	6.0389	-0.001086
65.	0.	0.95327	6.1715	6.4550	5.3941	0.205	29.5448	5.9889	-0.001121
66.	0.	0.95399	6.1718	6.4550	5.3887	0.210	29.4793	5.9388	-0.001157
67.	0.	0.95482	6.1722	6.4550	5.3833	0.215	29.4125	5.8788	-0.001200
68.	0.	0.95565	6.1726	6.4550	5.3773	0.220	29.3524	5.8288	-0.001238
69.	0.	0.95656	6.1729	6.4550	5.3710	0.226	29.2953	5.7787	-0.001277
70.	0.	0.95750	6.1733	6.4550	5.3643	0.231	29.2346	5.7287	-0.001316
71.	0.	0.95859	6.1737	6.4550	5.3574	0.235	29.1723	5.6686	-0.001365
72.	0.	0.95969	6.1741	6.4550	5.3498	0.240	29.1178	5.6186	
									-0.001407
73.	0.	0.96087	6.1744	6.4550	5.3418	0.244	29.0666	5.5685	-0.001451
	0.								
74.		0.96209	6.1748	6.4550	5.3334	0.249	29.0130	5.5185	-0.001495
75.	0.	0.96347	6.1752	6.4550	5.3249	0.255	28.9596	5.4585	-0.001549
76.	0.	0.96487	6.1756	6.4550	5.3156	0.261	28.9153	5.4084	-0.001597
77.	0.	0.96633	6.1759	6.4550	5.3057	0.268	28.8712	5.3584	-0.001645
78.	0.	0.96800	6.1764	6.4550	5.2955	0.276	28.8299	5.2983	-0.001704
79.	0.	0.96971	6.1767	6.4550	5.2840	0.287	28.8015	5.2482	-0.001756
80.	0.	0.97168	6.1771	6.4550	5.2718	0.299	28.8031	5.1982	-0.001809
81.	0.	0.97342	6.1771	6.4550	5.2573	0.313	28.8408	5.1882	-0.001826
82.	0.	0.97546	6.1773	6.4550	5.2422	0.328	28.8933	5.1681	-0.001854
83.	0.	0.97757	6.1773	6.4550	5.2256	0.345	28.9641	5.1581	-0.001872
84.	0.	0.97973	6.1774	6.4550	5.2086	0.363	29.0442	5.1481	-0.001891
85.	0.	0.98198	6.1775	6.4550	5.1924	0.386	29.1369	5.1281	-0.001920
86.	0.	0.98409	6.1775	6.4550	5.1764	0.414	29.2494	5.1181	-0.001939
87.	0.	0.98618	6.1776	6.4550	5.1606	0.448	29.3702	5.1080	-0.001958
88.	0.	0.98849	6.1777	6.4550	5.1445	0.485	29.4979	5.0880	-0.001987
89.	0.	0.99081	6.1778	6.4550	5.1273	0.525	29.6391	5.0780	-0.002007
90.	0.	0.99319	6.1778	6.4550	5.1096	0.565	29.7809	5.0680	-0.002027
91.	0.	0.99569	6.1779	6.4550	5.0926	0.601	29.9220	5.0479	-0.002058
92.	0.	0.99795	6.1780	6.4550	5.0766	0.614	30.0454	5.0379	-0.002078
93.	0.	1.00014	6.1780	6.4550	5.0611	0.621	30.1554	5.0279	-0.002100
94.	0.	1.00239	6.1782	6.4550	5.0467	0.621	30.2571	5.0079	-0.002131
95.	0.	1.00435	6.1782	6.4550	5.0336	0.597	30.3359	4.9978	-0.002153
96.	0.	1.00622	6.1783	6.4550	5.0212	0.569	30.4042	4.9878	-0.002174
97.	0.								
		1.00816	6.1784	6.4550	5.0097	0.543	30.4632	4.9678	-0.002205
98.	0.	1.00986	6.1784	6.4550	4.9990	0.526	30.5062	4.9578	-0.002227
	0.	1.01147			4.9890				
99.			6.1785	6.4550		0.508	30.5420	4.9478	-0.002248
100.	0.	1.01313	6.1786	6.4550	4.9801	0.493	30.5677	4.9277	-0.002280
101.	0.	1.01453	6.1787	6.4550	4.9720	0.485	30.5790	4.9177	-0.002301
102.	0.	1.01584	6.1787	6.4550	4.9646	0.474	30.5795	4.9077	-0.002322
	0.								
103.		1.01708	6.1788	6.4550	4.9577	0.465	30.5741	4.8977	-0.002344
104.	0.	1.01841	6.1789	6.4550	4.9516	0.453	30.5639	4.8776	-0.002376
105.	0.	1.01960	6.1789	6.4550	4.9454	0.443	30.5563	4.8676	
									-0.002397
106.	0.	1.02068	6.1790	6.4550	4.9398	0.431	30.5395	4.8576	-0.002419
107.	0.				4.9357	0.414		4.8375	
		1.02176	6.1791	6.4550			30.5012		-0.002451
108.	0.	1.02266	6.1792	6.4550	4.9318	0.400	30.4647	4.8275	-0.002472
109.	0.		6.1792	6.4550	4.9286	0.386		4.8175	
		1.02346					30.4202		-0.002494
110.	0.	1.02417	6.1793	6.4550	4.9261	0.368	30.3697	4.8075	-0.002515
111.	0.	1.02476	6.1793	6.4550	4.9244	0.353	30.3071	4.7975	-0.002536
112.	0.	1.02540	6.1794	6.4550	4.9238	0.338	30.2369	4.7774	-0.002568
	0.								
113.		1.02583	6.1795	6.4550	4.9234	0.323	30.1695	4.7674	-0.002589
114.	0.	1.02617	6.1795	6.4550	4.9239	0.310	30.0997	4.7574	-0.002609
115.	0.	1.02642	6.1796	6.4550	4.9250	0.300	30.0299	4.7474	-0.002629
116.	0.	1.02659	6.1796	6.4550	4.9265	0.292	29.9580	4.7374	-0.002649
117.	0.	1.02681	6.1798	6.4550	4.9291	0.283	29.8830	4.7173	-0.002680
118.	0.	1.02687	6.1798	6.4550	4.9318	0.279	29.8199	4.7073	-0.002699
119.	0.	1.02672	6.1798	6.4550	4.9345	0.277	29.7607	4.7073	-0.002706
120.	0.	1.02665	6.1798	6.4550	4.9380	0.275	29.6973	4.6973	-0.002724
121.	0.	1.02658	6.1799	6.4550	4.9417	0.271	29.6377	4.6873	-0.002741
122.	0.	1.02633	6.1798	6.4550	4.9450	0.264	29.5807	4.6873	-0.002746
123.	0.	1.02625	6.1799	6.4550	4.9484	0.261	29.5227	4.6772	-0.002763
124.	0.	1.02615	6.1799	6.4550	4.9518	0.260	29.4659	4.6672	-0.002779
125.	0.	1.02610	6.1800	6.4550	4.9551	0.261	29.4146	4.6572	-0.002796
126.	0.	1.02592	6.1800	6.4550	4.9577	0.263	29.3681	4.6572	-0.002800
								· · · · -	

127.	0.	1.02590	6.1800	6.4550	4.9605	0.266	29.3173	4.6472	-0.002816
128.	0.	1.02596	6.1801	6.4550	4.9628	0.266	29.2739	4.6372	-0.002832
129.	0.	1.02591	6.1800	6.4550	4.9643	0.266	29.2370	4.6372	-0.002837
130.	0.	1.02599	6.1801	6.4550	4.9663	0.267	29.1930	4.6271	-0.002853
131.	0.	1.02608	6.1801	6.4550	4.9680	0.268	29.1491	4.6171	-0.002869
132.	0.	1.02623	6.1802	6.4550	4.9696	0.269	29.1125	4.6071	-0.002886
133.	0.	1.02624	6.1802		4.9705	0.267	29.0810	4.6071	
				6.4550					-0.002890
134.	0.	1.02636	6.1802	6.4550	4.9721	0.264	29.0409	4.5971	-0.002906
135.	0.	1.02647	6.1803	6.4550	4.9740	0.261	29.0014	4.5871	-0.002922
136.	0.	1.02642	6.1802	6.4550	4.9754	0.257	28.9619	4.5871	-0.002926
137.	0.	1.02651	6.1803	6.4550	4.9772	0.253	28.9162	4.5771	-0.002943
138.	0.	1.02666	6.1803	6.4550	4.9787	0.255	28.8783	4.5670	-0.002959
139.	0.	1.02664	6.1803	6.4550	4.9795	0.257	28.8377	4.5670	-0.002963
	0.	1.02670	6.1804	6.4550	4.9810	0.259	28.7501	4.5470	
140.									-0.002993
141.	0.	1.02763	6.1811	6.4550	4.9857	0.262	28.5946	4.4569	-0.003117
142.	0.	1.02886	6.1820	6.4550	4.9916	0.265	28.4093	4.3467	-0.003275
143.	0.	1.02995	6.1827	6.4550	4.9972	0.265	28.2132	4.2466	-0.003429
144.	0.	1.03128	6.1836	6.4550	5.0040	0.264	28.0052	4.1364	-0.003608
145.	0.	1.03252	6.1844	6.4550	5.0105	0.260	27.7929	4.0362	-0.003782
146.	0.	1.03408	6.1853	6.4550	5.0180	0.257	27.5660	3.9260	-0.003986
147.	0.	1.03555	6.1861	6.4550	5.0250	0.252	27.3324	3.8258	-0.004186
148.	0.	1.03744	6.1870	6.4550	5.0327	0.243	27.0861	3.7156	-0.004420
149.	0.	1.03924	6.1878	6.4550	5.0397	0.229	26.8334	3.6154	-0.004650
150.	0.	1.04155	6.1888	6.4550	5.0467	0.220	26.5700	3.5051	-0.004921
							26.5700		
151.	0.	1.04412	6.1898	6.4550	5.0533	0.213	26.3000	3.3948	-0.005214
152.	0.	1.04664	6.1907	6.4550	5.0583	0.198	26.0262	3.2945	-0.005502
153.	0.	1.04978	6.1919	6.4550	5.0630	0.187	25.7381	3.1842	-0.005843
154.	0.	1.05290	6.1930	6.4550	5.0649	0.181	25.4380	3.0838	-0.006180
155.	0.	1.05680	6.1944	6.4550	5.0647	0.176	25.1168	2.9734	-0.006581
156.	0.	1.06069	6.1959	6.4550	5.0605	0.166	24.7749	2.8730	-0.006977
157.	0.	1.06492	6.1977	6.4550	5.0523	0.157	24.4075	2.7726	-0.007404
158.	0.	1.06945	6.1998	6.4550	5.0395	0.146	24.0040	2.6721	-0.007864
159.	0.	1.07415	6.2022	6.4550	5.0216	0.137	23.5620	2.5716	-0.008353
160.	0.	1.07884	6.2049	6.4550	4.9986	0.127	23.0742	2.4711	-0.008868
161.	0.	1.08325	6.2080	6.4550	4.9704	0.116	22.5354	2.3706	-0.009398
162.	0.	1.08705	6.2114	6.4550	4.9375	0.103	21.9484	2.2701	-0.009927
163.	0.	1.08955	6.2151	6.4550	4.9012	0.089	21.3229	2.1696	-0.010415
	0.		6.2192	6.4550	4.8651	0.064	20.6810	2.0692	
164.		1.08945							-0.010771
165.	0.	1.08798	6.2234	6.4550	4.8238	0.047	20.0032	1.9689	-0.011051
166.	0.	1.08454	6.2277	6.4550	4.7783	0.034	19.3263	1.8688	-0.011186
167.	0.	1.07779	6.2316	6.4550	4.7272	0.025	18.7592	1.7891	-0.010905
168.	0.	1.06631	6.2344	6.4550	4.6709	0.019	18.3460	1.7601	-0.009891
169.	0.	1.05410	6.2366	6.4550	4.6195	0.013	18.0107	1.7312	-0.008795
170.	0.	1.04113	6.2383	6.4550	4.5730	0.009	17.7011	1.7024	-0.007633
								1.6433	
171.	0.	1.02852	6.2399	6.4550	4.5345	0.005	17.3218		-0.006691
172.	0.	1.01539	6.2416	6.4550	4.5014	0.001	16.8683	1.5441	-0.005915
173.	0.	0.99786	6.2433	6.4550	4.4571	0.001	16.4044	1.4555	-0.004521
174.	0.	0.97560	6.2450	6.4550	4.4140	0.041	15.9320	1.3573	-0.002664
							15.9320		
175.	0.	0.94949	6.2459	6.4550	4.3613	0.130	15.4383	1.2597	-0.000270
176.	0.	0.91911	6.2453	6.4550	4.2925	0.258	14.9655	1.1628	0.002843
177.	0.	0.88362	6.2438	6.4550	4.2092	0.458	14.5591	1.0769	0.006850
178.	0.	0.84490	6.2426	6.4550	4.1135	0.710	14.2519	0.9814	0.011390
							14.2519		
179.	0.	0.80220	6.2418	6.4550	3.9925	1.042	14.1855	0.8969	0.016866
180.	0.	0.75440	6.2418	6.4550	3.8430	1.486	14.2955	0.8438	0.023781
181.	0.	0.70258	6.2426	6.4550	3.7126	1.947	14.3737	0.8010	0.030982
182.	0.	0.64951	6.2441	6.4550	3.6172	2.343	14.3935	0.7477	0.037708
183.	0.	0.59556	6.2458	6.4550	3.5495	2.657	14.3679	0.6942	0.044150
184.	0.	0.54317	6.2475	6.4550	3.4942	2.882	14.2783	0.6503	0.050258
185.	0.	0.49423	6.2491	6.4550	3.4561	2.989	13.9388	0.5957	0.055679
186.	0.	0.44239	6.2513	6.4550	3.4774	2.781	13.0379	0.5111	0.061084
187.	0.	0.38261	6.2566	6.4550	3.5993	2.323	11.4412	0.3375	0.067518
188.	0.	0.25249	6.3041	6.4550	4.1639	359.945	11.5773	0.1708	0.090830
189.	0.	0.05350	8.1891	8.0345	5.7222	358.636	14.4271	0.0310	0.140982
190.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
191.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
	٠.	2.0000	2.3000	2.5000	2.000		2.000	22.0000	2.00000

PART 3: WHAFIS

WHAFIS input: CM-127-1.dat WHAFIS output: CM-127-1.out

PART 3 COMPLETE___



WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (WHAFIS VERSION 4.0G, 08_2007)

Executed on: Thu Feb 20 14:57:36 2020

Input file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-127-1.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-127-1.out
header

THIS IS A 100-YEAR CASE

THE FOLLOWING NON-DEFAULT WIND SPEEDS ARE BEING USED

WINDLE 56 14 WINDLY 60 00

			THE FOLLO		FAULT WIND WINDOF 56.	SPEEDS ARE	BEING USED 60.00			
					PART1 INF	PUT				
IE	0.000	-18.807	1.000	1.000	8.867	4.944	6.166	56.140	0.024	0.000
OF OF	1.000	-18.783 -18.759	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	3.000	-18.735	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	4.000	-18.711	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	5.000	-18.687	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	6.000	-18.663	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	7.000	-18.639	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	8.000	-18.615	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF OF	9.000 10.000	-18.591 -18.567	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.024 0.024	0.000
OF	11.000	-18.543	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF	12.000	-18.519	0.000	8.867	0.000	0.000	0.000	0.000	0.023	0.000
OF	13.000	-18.496	0.000	8.867	0.000	0.000	0.000	0.000	0.023	0.000
OF	14.000	-18.472	0.000	8.867	0.000	0.000	0.000	0.000	0.024	0.000
OF OF	15.000 16.000	-18.448 -18.424	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.024 0.024	0.000
OF	17.000	-18.399	0.000	8.867	0.000	0.000	0.000	0.000	0.030	0.000
OF	18.000	-18.364	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	19.000	-18.330	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	20.000	-18.296	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	21.000 22.000	-18.262 -18.228	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	23.000	-18.194	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	24.000	-18.160	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	25.000	-18.125	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	26.000	-18.091	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	27.000 28.000	-18.057 -18.023	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	29.000	-17.989	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	30.000	-17.955	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	31.000	-17.921	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	32.000	-17.887	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	33.000 34.000	-17.852 -17.818	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	35.000	-17.784	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	36.000	-17.750	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	37.000	-17.716	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	38.000	-17.682	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	39.000	-17.648	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	40.000 41.000	-17.614 -17.579	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	42.000	-17.545	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	43.000	-17.511	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	44.000	-17.477	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	45.000	-17.443	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	46.000 47.000	-17.409 -17.375	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	48.000	-17.340	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	49.000	-17.306	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	50.000	-17.272	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	51.000	-17.238	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	52.000 53.000	-17.204 -17.170	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	54.000	-17.176	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	55.000	-17.102	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	56.000	-17.067	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	57.000	-17.033	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	58.000 59.000	-16.999 -16.965	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	60.000	-16.931	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	61.000	-16.897	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	62.000	-16.863	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	63.000	-16.828	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	64.000 65.000	-16.794 -16.760	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	66.000	-16.726	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	67.000	-16.692	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	68.000	-16.658	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	69.000	-16.624	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	70.000 71.000	-16.590 -16.555	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	72.000	-16.521	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	73.000	-16.487	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	74.000	-16.453	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	75.000	-16.419	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	76.000 77.000	-16.385 -16.351	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	78.000	-16.316	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	79.000	-16.282	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	80.000	-16.248	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	81.000	-16.214	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	82.000 83.000	-16.180 -16.146	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	84.000	-16.146 -16.112	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	85.000	-16.078	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	86.000	-16.043	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	87.000	-16.009	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	88.000	-15.975 -15.941	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF OF	89.000 90.000	-15.941 -15.907	0.000	8.867 8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	91.000	-15.873	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000
OF	92.000	-15.839	0.000	8.867	0.000	0.000	0.000	0.000	0.034	0.000

OF OF OF OF OF OF OF OF OF OF OF OF OF	93.000 94.000 95.000 96.000 97.000 98.000 100.000 101.000 102.000 104.000 105.000 106.000 107.000 108.000 110.000 111.000 111.000 112.000 113.000 114.000 115.000	-15.805 -15.770 -15.770 -15.736 -15.702 -15.668 -15.634 -15.593 -15.553 -15.472 -15.472 -15.350 -15.350 -15.3269 -15.229 -15.188 -15.148 -15.107 -15.067 -15.026 -14.986 -14.985	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.034 0.034 0.034 0.034 0.034 0.034 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041 0.041	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF OF OF OF OF OF OF OF OF OF O	116.000 117.000 118.000 119.000 120.000 121.000 123.000 124.000 125.000 126.000 127.000 128.000 129.000 131.000 131.000 132.000 134.000 135.000 136.000 137.000 136.000 137.000 138.000	-14.905 -14.864 -14.824 -14.783 -14.7743 -14.702 -14.662 -14.621 -14.581 -14.540 -14.459 -14.419 -14.378 -14.257 -14.216 -14.175 -14.135 -14.095 -14.054 -14.014	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.041 0.041	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF O	139.000 140.000 141.000 142.000 143.000 144.000 145.000 146.000 147.000 148.000 150.000 151.000 152.000 154.000 155.000 157.000 158.000 159.000 159.000 160.000 161.000	-13.973 -13.933 -13.892 -13.852 -13.811 -13.770 -13.730 -13.649 -13.669 -13.568 -13.528 -13.446 -13.406 -13.365 -13.285 -13.285 -13.244 -13.203 -13.163 -13.103	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.041 0.041	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF OF OF OF OF OF OF OF OF OF O	163.000 164.000 165.000 166.000 167.000 169.000 170.000 171.000 173.000 174.000 175.000 177.000 177.000 180.000 181.000 182.000 183.000 184.000 185.000 187.000 187.000 187.000 187.000	-13.001 -12.960 -12.920 -12.879 -12.839 -12.758 -12.758 -12.677 -12.636 -12.555 -12.555 -12.515 -12.474 -12.434 -12.393 -12.353 -12.372 -12.272 -12.272 -12.271 -12.150 -12.150 -12.191 -12.150 -12.191 -12.150 -12.069 -12.069 -12.029 -11.988 -11.948	0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.041 0.041 0.041 0.041 0.041 0.040 0.041	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF	190.000 191.000 192.000 193.000 194.000	-11.907 -11.867 -11.826 -11.786 -11.745	0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000	0.041 0.041 0.041 0.041 0.041	0.000 0.000 0.000 0.000 0.000

OF O	195.000 196.000 197.000 198.000 200.000 201.000 202.000 203.000 204.000 205.000 206.000 207.000 208.000 211.000 211.000 212.000 214.000 214.000 215.000	-11.705 -11.664 -11.624 -11.583 -11.539 -11.487 -11.434 -11.328 -11.275 -11.223 -11.170 -11.117 -11.064 -11.011 -10.959 -10.906 -10.853 -10.800 -10.747 -10.694 -10.6642	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.041 0.041 0.041 0.043 0.048 0.052 0.053 0.053 0.052 0.053 0.053 0.053 0.052 0.052 0.052 0.052 0.053 0.053 0.053 0.053	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF OF OF OF OF OF OF OF OF OF	217.000 218.000 219.000 220.000 221.000 222.000 223.000 224.000 225.000 227.000 229.000 230.000 231.000 231.000 232.000 233.000 234.000 235.000 237.000 237.000 237.000	-10.589 -10.536 -10.483 -10.430 -10.378 -10.325 -10.272 -10.219 -10.166 -10.114 -10.061 -10.008 -9.955 -9.903 -9.850 -9.797 -9.745 -9.639 -9.586 -9.533 -9.480	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.053 0.053 0.053 0.052 0.052 0.053 0.053 0.053 0.052 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF OF OF OF OF OF OF OF OF OF	239.000 240.000 241.000 241.000 242.000 243.000 244.000 245.000 246.000 247.000 249.000 250.000 251.000 252.000 253.000 255.000 255.000 257.000 257.000	-9.427 -9.375 -9.375 -9.322 -9.269 -9.216 -9.164 -9.111 -9.058 -9.005 -8.952 -8.899 -8.847 -8.794 -8.741 -8.688 -8.635 -8.583 -8.583 -8.477 -8.424	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF OF OF OF OF OF OF OF OF OF	259.000 260.000 261.000 262.000 263.000 264.000 265.000 267.000 267.000 270.000 271.000 271.000 272.000 274.000 275.000 276.000 277.000 277.000 277.000 277.000	-8.371 -8.318 -8.266 -8.213 -8.188 -8.175 -8.162 -8.148 -8.135 -8.122 -8.109 -8.095 -8.082 -8.069 -8.056 -8.042 -8.029 -8.016 -8.002 -7.989 -7.976	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.053 0.053 0.053 0.053 0.019 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
OF OF OF OF OF OF OF OF OF OF OF	280.000 281.000 282.000 283.000 284.000 285.000 286.000 287.000 289.000 290.000 291.000 292.000 293.000 294.000 295.000	-7.963 -7.949 -7.936 -7.923 -7.909 -7.883 -7.870 -7.856 -7.843 -7.830 -7.817 -7.803 -7.750	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

OF OF	297.000 298.000 299.000	-7.737 -7.723 -7.710	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	300.000 301.000 302.000 303.000	-7.697 -7.684 -7.670 -7.657	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000
OF OF	304.000 305.000 306.000	-7.644 -7.631 -7.617	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	307.000 308.000 309.000 310.000	-7.604 -7.591 -7.577 -7.564	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000
OF OF OF	311.000 312.000 313.000	-7.551 -7.538 -7.524	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF	314.000 315.000 316.000	-7.511 -7.498 -7.484	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	317.000 318.000 319.000 320.000	-7.471 -7.458 -7.445 -7.431	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000
OF OF OF	321.000 322.000 323.000	-7.418 -7.405 -7.392	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	324.000 325.000 326.000 327.000	-7.378 -7.365 -7.352 -7.338	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000
OF OF OF	328.000 329.000 330.000	-7.325 -7.312 -7.299	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	331.000 332.000 333.000 334.000	-7.285 -7.272 -7.259 -7.246	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000
OF OF OF	335.000 336.000 337.000	-7.232 -7.219 -7.206	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	338.000 339.000 340.000 341.000	-7.192 -7.179 -7.166 -7.153	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.013	0.000 0.000 0.000 0.000
OF OF OF	342.000 343.000 344.000	-7.139 -7.126 -7.113	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.013 0.013 0.013	0.000 0.000 0.000
OF OF OF	345.000 346.000 347.000 348.000	-7.099 -7.086 -7.073 -7.061	0.000 0.000 0.000 0.000	8.867 8.867 8.867 8.867	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.013 0.013 0.013 0.012	0.000 0.000 0.000 0.000
OF OF OF	349.000 350.000 351.000	-7.049 -7.037 -7.025	0.000 0.000 0.000	8.867 8.867 8.867	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000
OF OF OF	352.000 353.000 354.000 355.000	-7.014 -7.002 -6.990 -6.978	0.000 0.000 0.000 0.000	8.868 8.868 8.868 8.868	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000 0.000
OF OF	356.000 357.000 358.000	-6.966 -6.954 -6.942	0.000 0.000 0.000	8.868 8.868 8.868	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.012 0.012 0.012	0.000 0.000 0.000
OF OF OF	359.000 360.000 361.000 362.000	-6.930 -6.918 -6.906 -6.894	0.000 0.000 0.000 0.000	8.868 8.868 8.868 8.868	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000 0.000
OF OF	363.000 364.000 365.000	-6.883 -6.871 -6.859	0.000 0.000 0.000	8.868 8.868 8.868	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.012 0.012 0.012	0.000 0.000 0.000
OF OF OF	366.000 367.000 368.000 369.000	-6.847 -6.835 -6.823 -6.811	0.000 0.000 0.000 0.000	8.868 8.868 8.868 8.868	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000 0.000
OF OF OF	370.000 371.000 372.000 373.000	-6.799 -6.787 -6.775 -6.764	0.000 0.000 0.000 0.000	8.868 8.868 8.868 8.868	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000 0.000
OF OF	374.000 375.000 376.000	-6.752 -6.740 -6.728	0.000 0.000 0.000	8.868 8.868 8.868	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.012 0.012 0.012	0.000 0.000 0.000
OF OF OF	377.000 378.000 379.000 380.000	-6.716 -6.704 -6.692 -6.680	0.000 0.000 0.000 0.000	8.868 8.868 8.868 8.868	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000 0.000
OF OF OF	381.000 382.000 383.000 384.000	-6.668 -6.657 -6.645 -6.633	0.000 0.000 0.000 0.000	8.868 8.868 8.868 8.868	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.012 0.012 0.012 0.012	0.000 0.000 0.000 0.000
OF OF	385.000 386.000 387.000	-6.621 -6.609 -6.599	0.000 0.000 0.000	8.868 8.868 8.868	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.012 0.011 0.009	0.000 0.000 0.000
OF OF OF	388.000 389.000 390.000 391.000	-6.592 -6.585 -6.578 -6.571	0.000 0.000 0.000 0.000	8.869 8.869 8.869 8.869	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.007 0.007 0.007 0.007	0.000 0.000 0.000 0.000
OF OF OF	392.000 393.000 394.000 395.000	-6.564 -6.557 -6.550 -6.543	0.000 0.000 0.000 0.000	8.869 8.869 8.869 8.869	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.007 0.007 0.007 0.007	0.000 0.000 0.000 0.000
OF OF OF	396.000 397.000 398.000	-6.536 -6.528 -6.521	0.000 0.000 0.000	8.869 8.869 8.869	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.007 0.007 0.007	0.000 0.000 0.000

	399.000 400.000 401.000 401.000 402.000 403.000 404.000 405.000 406.000 407.000 411.000 411.000 412.000 414.000 415.000 417.000 418.000 421.000 431.000 431.000 431.000 431.000 441.000 442.000 443.000 443.000 443.000 444.000 445.000 445.000 446.000 451.000 461.000 461.000 561.000 577.000 661.000 577.000 661.000 577.000 661.000 577.000 661.000 577.000 661.000	-6.514 -6.507 -6.493 -6.493 -6.486 -6.479 -6.465 -6.465 -6.458 -6.458 -6.458 -6.458 -6.458 -6.380 -6.380 -6.380 -6.380 -6.380 -6.380 -6.380 -6.317 -6.282 -6.219 -6.211 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.2119 -6.388 -6.369 -6.369 -6.375 -6.282 -6.275 -7.275 -7.384 -7.384 -7.38	0.000 0.000	8.869 8.869 8.869 8.869 8.870 8.870 8.870 8.870 8.870 8.870 8.870 8.870 8.870 8.870 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.871 8.872 8.872 8.872 8.872 8.872 8.872 8.872 8.872 8.873 8.873 8.873 8.873 8.873 8.874	0.000 0.000	0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000	0.000 0.000	0.007 0.005 0.185 0.185 0.	0.000 0.000
END STATION 0.000	END ELEVATION -18.807	LENGTH 1.000	SURGE ELEV 10-YEAR 1.000		INITIAL WAVE HEIGHT 4.944	INITIAL W. PERIOD 6.166	56.140	BOTTOM SLOPE 0.024	AVERAGE A-ZONES 0.000	
END STATION 1.000 END	END ELEVATION -18.783 END	NEW SURGE 10-YEAR 0.000 NEW SURGE	NEW SURGE 100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.024 BOTTOM	AVERAGE A-ZONES 0.000 AVERAGE	
STATION 2.000 END	ELEVATION -18.759 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE	
STATION 3.000 END	ELEVATION -18.735 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE	
STATION 4.000 END	ELEVATION -18.711 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE	
STATION 5.000 END	ELEVATION -18.687 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE	
STATION 6.000 END STATION	ELEVATION -18.663 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES	

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OF	7.000 END	-18.639 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.024 BOTTOM	0.000 AVERAGE A-ZONES
OF	STATION 8.000 END	ELEVATION -18.615 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	0.000 AVERAGE
OF	STATION 9.000 END	ELEVATION -18.591 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 10.000 END	ELEVATION -18.567 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 11.000 END	ELEVATION -18.543 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 12.000 END	ELEVATION -18.519 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.023 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 13.000 END	ELEVATION -18.496 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.023 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 14.000 END	ELEVATION -18.472 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 15.000 END	ELEVATION -18.448 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 16.000 END	ELEVATION -18.424 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.024 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 17.000 END	ELEVATION -18.399 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.030 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 18.000 END	ELEVATION -18.364 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 19.000 END	ELEVATION -18.330 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 20.000 END STATION	ELEVATION -18.296 END	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	21.000 END STATION	ELEVATION -18.262 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	22.000 END STATION	-18.228 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	23.000 END STATION	-18.194 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	24.000 END STATION	-18.160 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	25.000 END STATION	-18.125 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	26.000 END STATION	-18.091 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	27.000 END STATION	-18.057 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	29.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	32.000 END STATION 33.000	-17.887 END ELEVATION -17.852	0.000 NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE 0.034	0.000 AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END	END ELEVATION -17.648	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END STATION 40.000	ELEVATION -17.614	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	41.000 END	-17.579 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE A-ZONES
OF	STATION 42.000 END	ELEVATION -17.545 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	0.000 AVERAGE
OF	STATION 43.000 END	ELEVATION -17.511 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 44.000 END	ELEVATION -17.477 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 45.000 END	ELEVATION -17.443 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 46.000 END	ELEVATION -17.409 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 47.000 END	ELEVATION -17.375 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 48.000 END	ELEVATION -17.340 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 49.000 END	ELEVATION -17.306 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 50.000 END STATION	ELEVATION -17.272 END	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	51.000 END STATION	ELEVATION -17.238 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	52.000 END STATION	-17.204 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	53.000 END STATION	-17.170 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	54.000 END STATION	-17.136 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	55.000 END STATION	-17.102 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	56.000 END STATION	-17.067 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	57.000 END STATION	-17.033 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	58.000 END STATION	-16.999 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	59.000 END STATION	-16.965 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	60.000 END STATION	-16.931 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	61.000 END STATION	-16.897 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	62.000 END STATION 63.000	-16.863 END ELEVATION -16.828	0.000 NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE 0.034	0.000 AVERAGE A-ZONES 0.000
OF	END STATION 64.000		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END STATION 67.000		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END STATION 68.000	END ELEVATION -16.658	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	END STATION 69.000	END ELEVATION -16.624	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	70.000	ELEVATION -16.590	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	71.000	ELEVATION -16.555	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	72.000	ELEVATION -16.521	NEW SURGE 10-YEAR 0.000	100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000
OF	73.000	ELEVATION -16.487	NEW SURGE 10-YEAR 0.000 NEW SURGE	NEW SURGE 100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034	AVERAGE A-ZONES 0.000 AVERAGE
OF	END STATION 74.000 END	ELEVATION -16.453	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
		ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES

OF	75.000 END	-16.419 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
OF	STATION 76.000 END	ELEVATION -16.385 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 77.000 END	ELEVATION -16.351 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 78.000 END	ELEVATION -16.316 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 79.000 END	ELEVATION -16.282 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 80.000 END	ELEVATION -16.248 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 81.000 END	ELEVATION -16.214 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 82.000 END	ELEVATION -16.180 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 83.000 END	ELEVATION -16.146 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 84.000 END	ELEVATION -16.112 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 85.000 END STATION	ELEVATION -16.078 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.034 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	86.000 END STATION	-16.043 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	87.000 END STATION	-16.009 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	88.000 END STATION	-15.975 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	89.000 END STATION	-15.941 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	90.000 END STATION	-15.907 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	91.000 END STATION	-15.873 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	92.000 END STATION	-15.839 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	93.000 END STATION	-15.805 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	94.000 END STATION	-15.770 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	95.000 END STATION	-15.736 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.034 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.038 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	100.000 END STATION 101.000	-15.553 END ELEVATION -15.512	NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE 0.041	0.000 AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
OF	END	END ELEVATION -15.310	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
OF	END STATION 107.000	END ELEVATION -15.269	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
OF	108.000	ELEVATION -15.229	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.041	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	109.000 END	-15.188 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.041 BOTTOM	0.000 AVERAGE
OF	STATION 110.000 END	ELEVATION -15.148 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 111.000 END	ELEVATION -15.107 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 112.000 END	ELEVATION -15.067 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 113.000 END	ELEVATION -15.026 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 114.000 END	ELEVATION -14.986 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 115.000 END	ELEVATION -14.945 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 116.000 END	ELEVATION -14.905 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 117.000 END	ELEVATION -14.864 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 118.000 END	ELEVATION -14.824 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 119.000 END	ELEVATION -14.783 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 120.000 END	ELEVATION -14.743 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 121.000 END	ELEVATION -14.702 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 122.000 END	ELEVATION -14.662 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 123.000 END	ELEVATION -14.621 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 124.000 END	ELEVATION -14.581 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 125.000 END	ELEVATION -14.540 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 126.000 END	ELEVATION -14.500 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 127.000 END	ELEVATION -14.459 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 128.000 END	ELEVATION -14.419 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE A-ZONES
OF	STATION 129.000 END	ELEVATION -14.378 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	0.000 AVERAGE
OF	STATION 130.000 END	ELEVATION -14.338 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	131.000 END STATION	-14.297	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	132.000 END	-14.257	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	133.000 END STATION	-14.216 END	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	134.000 END	-14.175	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	135.000 END STATION	-14.135	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.040 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	136.000 END	-14.095	0.000 NEW SURGE 10-YEAR	8.867	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	137.000 END STATION	-14.054	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	138.000 END	-14.014	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	139.000 END STATION	-13.973	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	140.000 END STATION	-13.933 END	0.000 NEW SURGE 10-YEAR	8.867	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	141.000 END STATION	-13.892	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	142.000 END	-13.852	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
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OF	143.000 END	-13.811 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.041 BOTTOM	0.000 AVERAGE
OF	STATION 144.000 END	ELEVATION -13.770 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 145.000 END	ELEVATION -13.730 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.040 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 146.000 END	ELEVATION -13.690 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 147.000 END	ELEVATION -13.649 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 148.000 END	ELEVATION -13.608 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 149.000 END	ELEVATION -13.568 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.040 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 150.000 END	ELEVATION -13.528 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 151.000 END	ELEVATION -13.487 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 152.000 END	ELEVATION -13.446 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 153.000 END	ELEVATION -13.406 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 154.000 END	ELEVATION -13.365 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 155.000 END	ELEVATION -13.325 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.040 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 156.000 END	ELEVATION -13.285 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 157.000 END	ELEVATION -13.244 END	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE A-ZONES
OF	STATION 158.000 END STATION	ELEVATION -13.203 END ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	159.000 END STATION	-13.163 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.040 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	160.000 END STATION	-13.123 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	161.000 END STATION	-13.082 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	162.000 END STATION	-13.041 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	163.000 END STATION	-13.001 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	164.000 END	-12.960	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	165.000 END STATION	-12.920	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	166.000 END	-12.879	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	167.000 END STATION	-12.839	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	168.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	169.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.040 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	171.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	173.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	175.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	176.000 END STATION	-12.474 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES

OF	177.000 END	-12.434 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.041 BOTTOM	0.000 AVERAGE A-ZONES
OF	STATION 178.000 END	ELEVATION -12.393 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	0.000 AVERAGE
OF	STATION 179.000 END	ELEVATION -12.353 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 180.000 END	ELEVATION -12.312 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 181.000 END	ELEVATION -12.272 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 182.000 END	ELEVATION -12.231 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 183.000 END	ELEVATION -12.191 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 184.000 END	ELEVATION -12.150 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 185.000 END	ELEVATION -12.110 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 186.000 END	ELEVATION -12.069 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 187.000 END STATION	ELEVATION -12.029 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	188.000 END STATION	-11.988 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	189.000 END STATION	-11.948 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	190.000 END STATION	-11.907 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	191.000 END STATION	-11.867 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	192.000 END STATION	-11.826 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	193.000 END STATION	-11.786 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	194.000 END STATION	-11.745 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	195.000 END STATION	-11.705 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	196.000 END STATION	-11.664 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	197.000 END STATION	-11.624 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.043 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	199.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.048 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	200.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.052 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	202.000 END STATION 203.000	-11.381 END ELEVATION -11.328	0.000 NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	END		NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE 0.052	0.000 AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.052	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.052	AVERAGE A-ZONES 0.000
OF	END STATION 210.000	END ELEVATION -10.959	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.052	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	211.000 END	-10.906 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.053 BOTTOM	0.000 AVERAGE
OF	STATION 212.000 END	ELEVATION -10.853 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 213.000 END	ELEVATION -10.800 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 214.000 END	ELEVATION -10.747 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 215.000 END	ELEVATION -10.694 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.052 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 216.000 END	ELEVATION -10.642 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.052 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 217.000 END	ELEVATION -10.589 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 218.000 END	ELEVATION -10.536 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 219.000 END	ELEVATION -10.483 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 220.000 END	ELEVATION -10.430 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.052 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 221.000 END	ELEVATION -10.378 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.052 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 222.000 END	ELEVATION -10.325 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 223.000 END	ELEVATION -10.272 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 224.000 END	ELEVATION -10.219 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 225.000 END	ELEVATION -10.166 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.052 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 226.000 END	ELEVATION -10.114 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.052 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 227.000 END STATION	ELEVATION -10.061 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE A-ZONES
OF	228.000 END STATION	-10.008 END ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	229.000 END STATION	-9.955 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	230.000 END STATION	-9.903 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	231.000 END STATION	-9.850 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	232.000 END	-9.797	0.000 NEW SURGE 10-YEAR	8.867	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	233.000 END STATION	-9.745 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	234.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	235.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	236.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	237.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000		0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	238.000 END STATION 239.000	-9.480 END ELEVATION -9.427	0.000 NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE 0.053	0.000 AVERAGE A-ZONES
OF	END STATION 240.000		NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	0.000 AVERAGE A-ZONES 0.000
OF	END STATION 241.000		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END STATION 242.000		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END STATION 243.000		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END STATION 244.000	END ELEVATION -9.164	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	245.000 END	-9.111 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.053 BOTTOM	0.000 AVERAGE
OF	STATION 246.000 END	ELEVATION -9.058 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 247.000	ELEVATION -9.005	10-YEAR 0.000	100-YEAR 8.867	0.000	0.000	0.000	0.000	SLOPE 0.053	A-ZONES 0.000
OF	END STATION 248.000	END ELEVATION -8.952	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END STATION 249.000	END ELEVATION -8.899	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END STATION 250.000	END ELEVATION -8.847	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
OF	END STATION 251.000	END ELEVATION -8.794	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.053	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	252.000 END STATION	-8.741 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	253.000 END STATION	-8.688 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	254.000 END STATION	-8.635 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.053 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	255.000 END	-8.583 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.053 BOTTOM	0.000 AVERAGE
OF	STATION 256.000 END	ELEVATION -8.530 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 257.000 END	ELEVATION -8.477 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 258.000 END	ELEVATION -8.424 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 259.000 END	ELEVATION -8.371 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 260.000 END	ELEVATION -8.318 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 261.000 END	ELEVATION -8.266 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.053 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 262.000 END	ELEVATION -8.213 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.039 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 263.000 END	ELEVATION -8.188 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.019 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 264.000	ELEVATION -8.175	10-YEAR 0.000	100-YEAR 8.867	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000
OF	END STATION 265.000	END ELEVATION -8.162	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 266.000	END ELEVATION -8.148	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 267.000	END ELEVATION -8.135	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 268.000	END ELEVATION -8.122	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 269.000	END ELEVATION -8.109	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 270.000	END ELEVATION -8.095	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	271.000 END STATION	-8.082 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	272.000 END STATION	-8.069 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	273.000 END STATION	-8.056 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	274.000 END STATION	-8.042 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	275.000 END STATION	-8.029 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	276.000 END STATION	-8.016 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	277.000 END STATION	-8.002 END ELEVATION	0.000	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	278.000 END	-7.989 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.013 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES

OF	279.000 END	-7.976 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.013 BOTTOM	0.000 AVERAGE
OF	STATION 280.000 END	ELEVATION -7.963 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 281.000 END	ELEVATION -7.949 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 282.000 END	ELEVATION -7.936 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 283.000 END	ELEVATION -7.923 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 284.000 END	ELEVATION -7.909 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 285.000 END	ELEVATION -7.896 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 286.000 END	ELEVATION -7.883 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 287.000 END	ELEVATION -7.870 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 288.000 END	ELEVATION -7.856 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 289.000 END	ELEVATION -7.843 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 290.000 END	ELEVATION -7.830 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 291.000 END	ELEVATION -7.817 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 292.000 END	ELEVATION -7.803 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 293.000 END STATION	ELEVATION -7.790 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE A-ZONES
OF	294.000 END STATION	-7.777 END ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR 8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	295.000 END STATION	-7.763 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	296.000 END STATION	-7.750 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	297.000 END STATION	-7.737 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	298.000 END STATION	-7.723 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	299.000 END STATION	-7.710 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	301.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	302.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	303.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	8.867 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	304.000 END STATION 305.000	-7.644 END ELEVATION -7.631	0.000 NEW SURGE 10-YEAR 0.000	8.867 NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	0.013 BOTTOM SLOPE 0.013	0.000 AVERAGE A-ZONES 0.000
OF	END STATION 306.000		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 307.000	END	NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 308.000		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 309.000		NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 310.000		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 311.000	END ELEVATION -7.551	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 312.000	END ELEVATION -7.538	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	313.000 END	-7.524 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.013 BOTTOM	0.000 AVERAGE
OF	STATION 314.000 END	ELEVATION -7.511 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 315.000 END	ELEVATION -7.498 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 316.000 END	ELEVATION -7.484 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 317.000 END	ELEVATION -7.471 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 318.000 END	ELEVATION -7.458 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 319.000 END	ELEVATION -7.445 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 320.000 END	ELEVATION -7.431 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 321.000 END	ELEVATION -7.418 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 322.000 END	ELEVATION -7.405 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 323.000 END	ELEVATION -7.392 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 324.000	ELEVATION -7.378	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867	0.000	0.000	0.000	0.000	SLOPE 0.013 BOTTOM	A-ZONES 0.000
OF	END STATION 325.000	END ELEVATION -7.365	10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 326.000	END ELEVATION -7.352	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 327.000	END ELEVATION -7.338	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 328.000	END ELEVATION -7.325	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 329.000	END ELEVATION -7.312	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 330.000	END ELEVATION -7.299	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 331.000	END ELEVATION -7.285	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 332.000	END ELEVATION -7.272	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 333.000	END ELEVATION -7.259	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 334.000	END ELEVATION -7.246	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END STATION 335.000	END ELEVATION -7.232	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.867	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.013	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR		0.000	0.000	0.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES

OF	347.000 END	-7.073 END	0.000 NEW SURGE	8.867 NEW SURGE	0.000	0.000	0.000	0.000	0.013 BOTTOM	0.000 AVERAGE
OF	STATION 348.000 END	ELEVATION -7.061 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 349.000 END	ELEVATION -7.049 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 350.000 END	ELEVATION -7.037 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 351.000 END	ELEVATION -7.025 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.867 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 352.000 END	ELEVATION -7.014 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 353.000 END	ELEVATION -7.002 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 354.000 END	ELEVATION -6.990 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 355.000	ELEVATION -6.978	10-YEAR 0.000	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012	A-ZONES 0.000
OF	END STATION 356.000	END ELEVATION -6.966	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.868	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.012	AVERAGE A-ZONES 0.000
O1	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES
OF	357.000 END STATION	-6.954 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.868 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.012 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	358.000 END	-6.942 END	0.000 NEW SURGE	8.868 NEW SURGE	0.000	0.000	0.000	0.000	0.012 BOTTOM	0.000 AVERAGE
OF	STATION 359.000	ELEVATION -6.930	10-YEAR 0.000	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012	A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	360.000 END STATION	-6.918 END	0.000 NEW SURGE 10-YEAR	8.868 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.012 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	361.000 END	ELEVATION -6.906 END	0.000 NEW SURGE	8.868 NEW SURGE	0.000	0.000	0.000	0.000	0.012 BOTTOM	0.000 AVERAGE
OF	STATION 362.000	ELEVATION -6.894	10-YEAR 0.000	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012	A-ZONES 0.000
OF	END STATION 363.000	END ELEVATION -6.883	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.868	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.012	AVERAGE A-ZONES 0.000
01	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES
OF	364.000 END STATION	-6.871 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.868 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.012 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	365.000 END	-6.859 END	0.000 NEW SURGE	8.868 NEW SURGE	0.000	0.000	0.000	0.000	0.012 BOTTOM	0.000 AVERAGE
OF	STATION 366.000 END	ELEVATION -6.847 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 367.000 END	ELEVATION -6.835 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 368.000 END	ELEVATION -6.823	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF		ELEVATION -6.811	10-YEAR 0.000	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012	A-ZONES 0.000
		ELEVATION	NEW SURGE 10-YEAR	100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	370.000 END	-6.799 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.868 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.012 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	371.000 END	-6.787	0.000 NEW SURGE	8.868	0.000	0.000	0.000	0.000	0.012 BOTTOM	0.000 AVERAGE
OF	372.000	ELEVATION -6.775	10-YEAR 0.000	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012	A-ZONES 0.000
OF	END STATION 373.000	END ELEVATION -6.764	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.868	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.012	AVERAGE A-ZONES 0.000
O1	END STATION	END ELEVATION	NEW SURGE 10-YEAR						BOTTOM SLOPE	AVERAGE A-ZONES
OF	374.000 END	-6.752 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.868 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.012 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	375.000 END	-6.740	0.000 NEW SURGE	8.868	0.000	0.000	0.000	0.000	0.012 BOTTOM	0.000 AVERAGE
OF	STATION 376.000 END	ELEVATION -6.728 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF		ELEVATION -6.716	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF		ELEVATION -6.704	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF		ELEVATION -6.692	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF		ELEVATION -6.680	10-YEAR 0.000	100-YEAR 8.868	0.000	0.000	0.000	0.000	SLOPE 0.012	A-ZONES 0.000
Ŭ.	END		NEW SURGE 10-YEAR		3.000	3.000	3.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES

OF	381.000 END	-6.668 END	0.000 NEW SURGE 10-YEAR	8.868 NEW SURGE	0.000	0.000	0.000	0.000	0.012 BOTTOM	0.000 AVERAGE
OF	STATION 382.000 END	ELEVATION -6.657 END	0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 383.000 END	ELEVATION -6.645 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 384.000 END	ELEVATION -6.633 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 385.000 END	ELEVATION -6.621 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.012 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 386.000 END	ELEVATION -6.609 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.011 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 387.000 END	ELEVATION -6.599 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.868 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.009 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 388.000 END	ELEVATION -6.592 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 389.000 END	ELEVATION -6.585 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 390.000 END	ELEVATION -6.578 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 391.000 END	ELEVATION -6.571 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 392.000 END	ELEVATION -6.564 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 393.000 END	ELEVATION -6.557 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 394.000 END	ELEVATION -6.550 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 395.000 END	ELEVATION -6.543 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 396.000 END	ELEVATION -6.536 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.869 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 397.000 END STATION	ELEVATION -6.528 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	398.000 END STATION	-6.521 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	399.000 END STATION	-6.514 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	400.000 END STATION	-6.507 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	401.000 END STATION	-6.500 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	402.000 END STATION	-6.493 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	403.000 END STATION	-6.486 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.869 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	404.000 END STATION	-6.479 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	405.000 END STATION	-6.472 END ELEVATION	10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	406.000 END STATION	-6.465 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	407.000 END STATION	-6.458 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	408.000 END STATION	-6.451 END ELEVATION	10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	409.000 END STATION	-6.444 END ELEVATION	10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	410.000 END STATION	-6.437 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	411.000 END STATION	-6.430 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.870 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF OF	412.000 END STATION 414.000	-6.423 END ELEVATION -6.409	0.000 NEW SURGE 10-YEAR 0.000	8.870 NEW SURGE 100-YEAR 8.870	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE 0.007	0.000 AVERAGE A-ZONES 0.000
OF	END STATION 415.000	-6.409 END ELEVATION -6.402		8.870 NEW SURGE 100-YEAR 8.870	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.007	AVERAGE A-ZONES 0.000
OF.	END STATION	ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES

OF	417.000 END	-6.388 END	0.000 NEW SURGE	8.870 NEW SURGE	0.000	0.000	0.000	0.000	0.007 BOTTOM	0.000 AVERAGE
OF	STATION 418.000 END	ELEVATION -6.380 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.870 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 420.000 END	ELEVATION -6.366 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.870 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 421.000 END	ELEVATION -6.359 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.870 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 423.000 END	ELEVATION -6.345 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 424.000 END	ELEVATION -6.338 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 426.000 END	ELEVATION -6.324 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 427.000 END	ELEVATION -6.317 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 429.000 END	ELEVATION -6.303 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 430.000 END	ELEVATION -6.296 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 432.000 END	ELEVATION -6.282 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 433.000 END	ELEVATION -6.275 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 435.000 END	ELEVATION -6.261 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.871 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 436.000 END STATION	ELEVATION -6.254 END ELEVATION	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.871 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	SLOPE 0.007 BOTTOM SLOPE	A-ZONES 0.000 AVERAGE A-ZONES
OF	438.000 END STATION	-6.240 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	439.000 END STATION	-6.233 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	441.000 END STATION	-6.219 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	442.000 END STATION	-6.211 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	444.000 END STATION	-6.197 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	445.000 END STATION	-6.190 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	447.000 END STATION	-6.176 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.872 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	450.000 END STATION	ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF		ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
OF	454.000 END STATION 456.000	-6.129 END ELEVATION -6.115	0.000 NEW SURGE 10-YEAR 0.000	100-YEAR	0.000	0.000	0.000	0.000	0.007 BOTTOM SLOPE 0.007	0.000 AVERAGE A-ZONES
OF	END		NEW SURGE 10-YEAR 0.000	8.872 NEW SURGE 100-YEAR 8.873	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.007	0.000 AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.025	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.091	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.105	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.105	AVERAGE A-ZONES 0.000
OF	END		NEW SURGE 10-YEAR 0.000		0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.105	AVERAGE A-ZONES 0.000
OF	END	END ELEVATION -5.402	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.873	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.105	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES

OF	468.000	-5.191	0.000	8.873	0.000	0.000	0.000	0.000	0.105	0.000
OF	END STATION 469.000	END ELEVATION -5.086	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.105	AVERAGE A-ZONES 0.000
OF	END STATION	END ELEVATION	NEW SURGE 10-YEAR	8.873 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES
OF	471.000 END	-4.875 END	0.000 NEW SURGE	8.874 NEW SURGE	0.000	0.000	0.000	0.000	0.105 BOTTOM	0.000 AVERAGE
OF	STATION 472.000	ELEVATION -4.770	10-YEAR 0.000	100-YEAR 8.874	0.000	0.000	0.000	0.000	SLOPE 0.105	A-ZONES 0.000
OF	END STATION 474.000	END ELEVATION -4.559	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.874	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.105	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	475.000 END	-4.454 END	0.000 NEW SURGE	8.874 NEW SURGE	0.000	0.000	0.000	0.000	0.105 BOTTOM SLOPE	0.000 AVERAGE
OF	STATION 480.000 END	ELEVATION -3.927 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.874 NEW SURGE	0.000	0.000	0.000	0.000	0.105 BOTTOM	A-ZONES 0.000 AVERAGE
OF	STATION 481.000	ELEVATION -3.821	10-YEAR 0.000	100-YEAR 8.874	0.000	0.000	0.000	0.000	SLOPE 0.105	A-ZONES 0.000
OF	END STATION 484.000	END ELEVATION -3.505	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.875	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.102	AVERAGE A-ZONES 0.000
01	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	0.000	0.000	0.000		BOTTOM SLOPE	AVERAGE A-ZONES
IF	546.000 END STATION	2.841 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.880 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.102 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
IF	547.000 END	2.941 END	0.000 NEW SURGE	8.880 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
IF	STATION 559.500	ELEVATION 3.307	10-YEAR 0.000	100-YEAR 8.880	0.000	0.000	0.000	0.000	SLOPE 0.069	A-ZONES 0.000
IF	END STATION 577.400	END ELEVATION 5.050	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.876	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.097	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	580.700 END STATION	5.369 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.889 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.097 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
IF	584.000 END	5.688 END	0.000 NEW SURGE	8.904 NEW SURGE	0.000	0.000	0.000	0.000	0.092 BOTTOM	0.000 AVERAGE
IF	STATION 587.300 END	ELEVATION 5.976 END	10-YEAR 0.000 NEW SURGE	100-YEAR 8.922 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.073 BOTTOM	A-ZONES 0.000 AVERAGE
IF	STATION 590.500	ELEVATION 6.163	10-YEAR 0.000	100-YEAR 8.945	0.000	0.000	0.000	0.000	SLOPE 0.058	A-ZONES 0.000
IF	END STATION 593.800	END ELEVATION 6.351	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.968	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.057	AVERAGE A-ZONES 0.000
11	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	BOTTOM SLOPE	AVERAGE A-ZONES
IF	597.100 END	6.539 END	0.000 NEW SURGE	8.990 NEW SURGE	0.000	0.000	0.000	0.000	0.057 BOTTOM	0.000 AVERAGE
IF	STATION 600.400 END	ELEVATION 6.726 END	10-YEAR 0.000 NEW SURGE	100-YEAR 9.012 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.057 BOTTOM	A-ZONES 0.000 AVERAGE
IF	STATION 603.700	ELEVATION 6.914	10-YEAR 0.000	100-YEAR 9.031	0.000	0.000	0.000	0.000	SLOPE 0.057	A-ZONES 0.000
IF	END STATION 607.000	END ELEVATION 7.102	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 9.049	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.072	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	610.200 END	7.384 END ELEVATION	0.000 NEW SURGE		0.000	0.000	0.000	0.000	0.138 BOTTOM SLOPE	0.000 AVERAGE A-ZONES
IF	613.500 END	7.996	0.000 NEW SURGE	9.088	0.000	0.000	0.000	0.000	0.185	0.000 AVERAGE
IF	STATION 616.800	ELEVATION 8.607	10-YEAR 0.000	100-YEAR 9.165	0.000	0.000	0.000	0.000	SLOPE 0.185	A-ZONES 0.000
IF	END STATION 620.100	ELEVATION 9.218	0.000	100-YEAR 9.329	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.185 BOTTOM	AVERAGE A-ZONES 0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR			0.000		BOTTOM SLOPE 0.185	AVERAGE A-ZONES
IF	620.700 	9.329	0.000	9.329	U.UUU END OF TRANS	0.000 ECT			0.185	0.000

	PART2:	CONTROLLING WAV	E HEIGHTS, SPECT D, AND WAVE CRES	
LOC	ATION	CONTROLLING	•	
		WAVE HEIGHT	WAVE PERIOD	ELEVATION
ΙE	0.00	4.94	6.17	12.33
OF	1.00	4.94	6.17	12.33
OF	2.00	4.95	6.17	12.33
OF	3.00	4.95	6.17	12.33
OF	4.00	4.95	6.17	12.33
OF	5.00	4.95	6.17	12.33
OF	6.00	4.95	6.17	12.33
OF	7.00	4.95	6.17	12.33
OF	8.00	4.95	6.17	12.33
OF	9.00	4.95	6.17	12.33
OF	10.00	4.95	6.17	12.33
OF	11.00	4.95	6.17	12.33
OF	12.00	4.95	6.17	12.33
OF	13.00	4.95	6.17	12.33
OF	14.00	4.95	6.17	12.33

	117.00 118.00 119.00 120.00 121.00 121.00 122.00 123.00 124.00 125.00 126.00 127.00 128.00 129.00 130.00 131.00 132.00 133.00 134.00 135.00 136.00 137.00 138.00 139.00 141.00 142.00 144.00 145.00 144.00 145.00 146.00 147.00 155.00 156.00 157.00 158.00 157.00 158.00 159.00 151.00 155.00 157.00 158.00 157.00 157.00 157.00 158.00 157.00 157.00 157.00 158.00 159.00 159.00 159.00 160.00 161.00 162.00 163.00 164.00 165.00 165.00 167.00 168.00 177.00 178.00 179.00 171.00 171.00 172.00 175.00 177.00 178.00 179.00	5.044 5.044 5.044 5.044 5.044 5.044 5.044 5.044 5.044 5.044 5.055 5.055 5.055 5.055 5.055 5.066 6.066 6.067 777 777 777 777 777 777 777 777 777	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.39 12.39 12.39 12.39 12.39 12.40 12.40 12.40 12.40 12.40 12.41 12.42 12.43 12.43 12.43 12.43 12.43 12.44
OF OF OF	208.00 209.00 210.00 211.00	5.16 5.17 5.17 5.17	6.17 6.17 6.17 6.17	12.48 12.48 12.48 12.49

OF	219.00	5.19	6.17	12.50
OF	220.00	5.19	6.17	12.50
OF	221.00	5.19	6.17	12.50
OF	222.00	5.20	6.17	12.50
OF	223.00	5.20	6.17	12.51
OF	224.00	5.20	6.17	12.51
OF	225.00	5.20	6.17	12.51
OF	226.00	5.21	6.17	12.51
OF	227.00	5.21	6.17	12.51
OF	228.00	5.21	6.17	12.51
OF	229.00	5.21	6.17	12.52
OF	230.00	5.22	6.17	12.52
OF	231.00	5.22	6.17	12.52
OF	232.00	5.22	6.17	12.52
OF	233.00	5.22	6.17	12.52
OF	234.00	5.23	6.17	12.52
OF	235.00	5.23	6.17	12.53
OF		5.23		
	236.00		6.17	12.53
OF	237.00	5.23	6.17	12.53
OF	238.00	5.24	6.17	12.53
OF	239.00	5.24	6.17	12.53
OF	240.00	5.24	6.17	12.54
OF	241.00	5.24	6.17	12.54
OF	242.00	5.25	6.17	12.54
OF	243.00	5.25	6.17	12.54
OF	244.00	5.25	6.17	12.54
OF	245.00	5.25	6.17	12.55
OF	246.00	5.26	6.17	12.55
OF	247.00	5.26	6.17	12.55
OF	248.00	5.26	6.17	12.55
OF	249.00	5.27	6.17	12.55
OF	250.00	5.27	6.17	12.56
OF	251.00	5.27	6.17	12.56
OF	252.00	5.27	6.17	12.56
OF	253.00	5.28	6.17	12.56
OF	254.00	5.28	6.17	12.56
OF	255.00	5.28	6.17	12.57
OF	256.00	5.29	6.17	12.57
	257.00	5.29	6.17	12.57
OF		5.29	6.17	12.57
OF	258.00			
OF	259.00	5.30	6.17	12.57
OF	260.00	5.30	6.17	12.58
OF	261.00	5.30	6.17	12.58
OF	262.00	5.30	6.17	12.58
OF	263.00	5.31	6.17	12.58
OF	264.00	5.31	6.17	12.58
OF	265.00	5.31	6.17	12.58
OF	266.00	5.31	6.17	12.58
OF	267.00	5.31	6.17	12.58
OF	268.00	5.31	6.17	12.58
OF	269.00	5.31	6.17	12.59
OF	270.00	5.31	6.17	12.59
OF	271.00	5.31	6.17	12.59
OF	272.00	5.31	6.17	12.59
OF	273.00	5.32	6.17	12.59
OF	274.00	5.32	6.17	12.59
OF	275.00	5.32	6.17	12.59
OF	276.00	5.32	6.17	12.59
OF	277.00	5.32	6.17	12.59
OF	278.00	5.32	6.17	12.59
OF	279.00	5.32	6.17	12.59
OF	280.00	5.32	6.17	12.59
OF	281.00	5.32	6.17	12.59
OF	282.00	5.32	6.17	12.59
OF	283.00	5.33	6.17	12.59
OF	284.00	5.33	6.17	12.60
OF	285.00	5.33	6.17	12.60
OF	286.00	5.33	6.17	12.60
OF	287.00	5.33	6.17	12.60
OF				
OF		5 33		12 60
OF	288.00	5.33	6.17	12.60
	289.00	5.33 5.33	6.17 6.17	12.60
	289.00 290.00	5.33 5.33 5.33	6.17 6.17 6.17	12.60 12.60
OF	289.00 290.00 291.00	5.33 5.33 5.33 5.33	6.17 6.17 6.17 6.17	12.60 12.60 12.60
OF OF	289.00 290.00 291.00 292.00	5.33 5.33 5.33 5.33 5.33	6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60
OF OF	289.00 290.00 291.00 292.00 293.00	5.33 5.33 5.33 5.33 5.33 5.34	6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60
OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00	5.33 5.33 5.33 5.33 5.33 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60
OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60
OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60
OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60
OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61
OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61
OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61
OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61
OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00 302.00 303.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00 302.00 304.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00 302.00 303.00 304.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00 302.00 303.00 304.00 305.00 306.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 304.00 305.00 306.00 307.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 301.00 303.00 304.00 305.00 306.00 307.00 308.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00 302.00 303.00 304.00 305.00 306.00 307.00 308.00 309.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 304.00 305.00 306.00 307.00 308.00 309.00 309.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF OF OF OF OF OF OF OF OF OF OF OF	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 301.00 304.00 305.00 306.00 307.00 308.00 309.00 310.00 311.00	5.33 5.33 5.33 5.34 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 304.00 305.00 306.00 307.00 308.00 309.00 310.00 311.00 312.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 304.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 311.00 311.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 300.00 301.00 304.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 311.00 311.00 314.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 305.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 312.00 313.00 314.00 315.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 304.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00	5.33 5.33 5.33 5.33 5.33 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 301.00 301.00 302.00 304.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.62
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 312.00 313.00 314.00 315.00 316.00 317.00 318.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.62 12.62 12.62 12.62
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 304.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00 311.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61
OF O	289.00 290.00 291.00 292.00 293.00 294.00 295.00 296.00 297.00 298.00 299.00 301.00 302.00 303.00 305.00 306.00 307.00 308.00 309.00 311.00 311.00 312.00 313.00 314.00 315.00 316.00 317.00 318.00	5.33 5.33 5.33 5.33 5.34 5.34 5.34 5.34	6.17 6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.60 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.61 12.62 12.62 12.62 12.62

OF OF OF OF OF	321.00 322.00 323.00 324.00 325.00 326.00	5.36 5.36 5.37 5.37 5.37 5.37	6.17 6.17 6.17 6.17 6.17	12.62 12.62 12.62 12.62 12.62 12.63
OF OF OF OF OF OF	327.00 328.00 329.00 330.00 331.00 332.00 333.00	5.37 5.37 5.37 5.37 5.37 5.38 5.38	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.63 12.63 12.63 12.63 12.63 12.63 12.63
OF OF OF OF OF OF	334.00 335.00 336.00 337.00 338.00 339.00 340.00	5.38 5.38 5.38 5.38 5.38 5.38 5.38	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.63 12.63 12.63 12.63 12.63 12.63 12.64
OF OF OF OF OF OF	341.00 342.00 343.00 344.00 345.00 346.00 347.00	5.38 5.39 5.39 5.39 5.39 5.39	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.64 12.64 12.64 12.64 12.64 12.64
OF OF OF OF OF OF	348.00 349.00 350.00 351.00 352.00 353.00 354.00	5.39 5.39 5.39 5.40 5.40 5.40	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.64 12.64 12.64 12.64 12.65 12.65
OF OF OF OF OF OF	355.00 356.00 357.00 358.00 359.00 360.00 361.00	5.40 5.40 5.40 5.40 5.40 5.40 5.40	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.65 12.65 12.65 12.65 12.65 12.65 12.65
OF OF OF OF OF OF	362.00 363.00 364.00 365.00 366.00 367.00 368.00	5.41 5.41 5.41 5.41 5.41 5.41 5.41	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.65 12.65 12.65 12.65 12.65 12.66 12.66
OF OF OF OF OF OF	369.00 370.00 371.00 372.00 373.00 374.00 375.00	5.41 5.41 5.41 5.42 5.42 5.42 5.42	6.17 6.17 6.17 6.17 6.17 6.17 6.17	12.66 12.66 12.66 12.66 12.66 12.66
OF OF OF OF OF	376.00 377.00 378.00 379.00 380.00 381.00 382.00	5.42 5.42 5.42 5.42 5.43 5.43	6.17 6.17 6.17 6.17 6.17 6.18 6.18	12.66 12.66 12.66 12.66 12.66 12.67
OF OF OF OF OF	383.00 384.00 385.00 386.00 387.00 388.00 389.00	5 . 43 5 . 43 5 . 43 5 . 43 5 . 43 5 . 43 5 . 43	6.18 6.18 6.18 6.18 6.18 6.18	12.67 12.67 12.67 12.67 12.67 12.67
OF OF OF OF OF OF	390.00 391.00 392.00 393.00 394.00 395.00 396.00 397.00	5.43 5.43 5.44 5.44 5.44 5.44	6.18 6.18 6.18 6.18 6.18 6.18 6.18	12.67 12.67 12.67 12.67 12.67 12.67 12.68
OF OF OF OF OF	398.00 399.00 400.00 401.00 402.00 403.00 404.00	5.44 5.44 5.44 5.44 5.44 5.44	6.18 6.18 6.18 6.18 6.18 6.18 6.18	12.68 12.68 12.68 12.68 12.68 12.68
OF OF OF OF OF OF	405.00 406.00 407.00 408.00 409.00 410.00 411.00	5.44 5.44 5.45 5.45 5.45 5.45	6.18 6.18 6.18 6.18 6.18 6.18 6.18	12.68 12.68 12.68 12.68 12.68 12.68
OF OF OF OF OF OF	412.00 414.00 415.00 417.00 418.00 420.00 421.00	5.45 5.45 5.45 5.45 5.45 5.45 5.45	6.18 6.18 6.18 6.18 6.18 6.18 6.18	12.68 12.68 12.69 12.69 12.69 12.69 12.69
OF OF OF	423.00 424.00 426.00 427.00	5.46 5.46 5.46 5.46	6.18 6.18 6.18	12.69 12.69 12.69 12.69

OF	429.00	5.46	6.18	12.69	
OF	430.00 432.00	5.46 5.46	6.18 6.18	12.69 12.69	
OF OF	433.00	5.46	6.18	12.70	
OF OF	435.00 436.00	5.46 5.47	6.18 6.18	12.70 12.70	
OF OF	438.00 439.00	5.47 5.47	6.18 6.18	12.70 12.70	
OF	441.00	5.47	6.18	12.70	
OF OF	442.00 444.00	5.47 5.47	6.18 6.18	12.70 12.70	
OF OF	445.00 447.00	5.47 5.47	6.18 6.18	12.70 12.70	
OF	448.00	5.47	6.18	12.70	
OF OF	450.00 451.00	5.48 5.48	6.18 6.18	12.70 12.71	
OF OF	453.00 454.00	5.48 5.48	6.18 6.18	12.71 12.71	
OF	456.00	5.48	6.18	12.71	
OF OF	457.00 459.00	5.48 5.48	6.18 6.18	12.71 12.71	
OF OF	460.00 462.00	5.49 5.50	6.18 6.18	12.71 12.72	
OF OF	463.00 465.00	5.51 5.53	6.18 6.18	12.73 12.74	
OF	466.00	5.54	6.18	12.75	
OF OF	468.00 469.00	5.55 5.56	6.18 6.18	12.76 12.77	
OF OF	471.00 472.00	5.58 5.59	6.18 6.18	12.78 12.79	
OF	474.00	5.61	6.18	12.80	
OF OF	475.00 480.00	5.62 5.67	6.18 6.18	12.81 12.84	
OF OF	481.00 484.00	5.68 5.72	6.18 6.18	12.85 12.88	
IF IF	546.00 547.00	4.49 4.42	6.18 6.18	12.02 11.97	
IF	559.50	4.16	6.18	11.79	
IF IF	577.40 580.70	2.89 2.67	6.18 6.18	10.90 10.76	
IF IF	584.00 587.30	2.44 2.24	6.18 6.18	10.62 10.49	
IF IF	590.50 593.80	2.12	6.18 6.18	10.43	
IF	597.10	1.87	6.18	10.30	
IF IF	600.40 603.70	1.75 1.62	6.18 6.18	10.24 10.17	
IF IF	607.00 610.20	1.50 1.30	6.18 6.18	10.10 9.97	
IF	613.50	0.84	6.18 6.18	9.68 9.47	
TE					
IF IF	616.80 620.10	0.43	6.18	9.39	
IF IF PART3	620.10 620.70 LOCATION (0.09 0.01 DF AREAS ABOVE 100	6.18 6.18 -YEAR SURGE	9.39 9.33	
IF IF PART3	620.10 620.70 LOCATION G EAS ABOVE	0.09 0.01	6.18 6.18 -YEAR SURGE THIS TRANSEC	9.39 9.33	
IF IF PART3	620.10 620.70 LOCATION (EAS ABOVE I PART4	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE	6.18 6.18 -YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TEAR SURGE	
IF IF PART3 NO AR: STATIO 352.0 388.0	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT TEAR SURGE 1.87	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 ET EAR SURGE .87 .87 .87	
IF IF PART3 NO AR STATIO 352.0 388.0 404.0	620.10 620.70 LOCATION (EAS ABOVE I PART4 ON 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT EAR SURGE 1.87 1.87	
IF IF PART3 NO AR: STATI: 352.0 388.0 404.0 423.0 423.0 457.0 471.0	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 1.87 1.87 1.87 1.87 1.87	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 438.0 457.0 471.0 484.0 546.0	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 ET EAR SURGE 1.87 1.87 1.87 1.87 1.87 1.87 1.87	
IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 457.0 457.0 546.0 577.4 580.7	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT EAR SURGE .87 .87 .87 .87 .87 .87 .87 .88 .88 .88	
IF IF PART3 NO AR: STATI: 352.0 404.0 423.0 423.0 457.0 471.0 484.0 546.0 577.4	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT EAR SURGE 1.87 1.87 1.87 1.87 1.87 1.87 1.87 1.88 1.88	
IF IF PART3 NO AR: STATI 352.0 388.0 423.0 438.0 457.0 471.0 546.0 577.4 580.7 584.0 587.3 590.5	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 EAR SURGE .87 .87 .87 .87 .87 .87 .87 .88 .88 .88	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 4257.0 4471.0 577.4 580.7 584.0 587.3 590.5 593.8 597.1	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 1.87 1.87 1.87 1.87 1.87 1.87 1.88 1.88	
IF FART3 NO AR STATION 388.0 404.0 423.0 457.0 441.0 546.0 577.4 580.7 584.0 587.3 590.5 593.8 597.1 600.4 603.7	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT EAR SURGE .87 .87 .87 .87 .87 .87 .88 .88 .88 .88	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 438.0 471.0 484.0 577.4 580.7 584.0 587.3 590.5 593.8 597.1 603.7 603.7 607.0 610.2	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 1.00	6.18 6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT EAR SURGE .87 .87 .87 .87 .87 .87 .88 .88 .89 .90 .90 .91 .92 .94 .97 .99 .01 .03 .05	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 4257.0 471.0 577.4 584.0 577.4 584.0 587.3 590.5 593.8 600.4 603.7 607.0	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00	6.18 6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 EAR SURGE .87 .87 .87 .87 .88 .88 .88 .88 .89 .90 .92 .91 .92 .91 .92	
IF FART3 NO AR: 352.0 388.0 423.0 438.0 457.0 471.0 546.0 577.4 580.7 584.0 597.1 600.4 603.7 607.0 610.2 613.5	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y	9.39 9.33 TT EAR SURGE .87 .87 .87 .87 .87 .87 .88 .88 .89 .90 .90 .91 .92 .94 .97 .99 .01 .03 .05	
IF IF PART3 NO AR: STATI 352.0 388.0 404.0 423.0 438.0 457.0 471.0 546.0 577.4 4580.7 584.0 593.8 597.1 600.4 603.7 607.0 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE .87 .87 .87 .87 .88 .88 .88 .88 .89 .90 .90 .91 .92 .94 .97 .99 .01 .03 .05 .07 .09 .16	
IF IF PART3 NO AR: STATI 352.0 388.0 404.0 423.0 438.0 457.0 471.0 546.0 577.4 4580.7 584.0 597.1 600.4 603.7 607.0 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 EAR SURGE .87 .87 .87 .87 .88 .88 .88 .88 .88 .90 .90 .91 .92 .92 .94 .97 .99 .01 .03 .05 .07	
IF IF PART3 NO AR: STATI 352.0 388.0 404.0 423.0 438.0 457.0 471.0 546.0 577.4 4580.7 584.0 597.1 600.4 603.7 607.0 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE D PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC: CHANGES 100-YEAR 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 EAR SURGE .87 .87 .87 .87 .88 .88 .88 .88 .88 .90 .90 .91 .92 .92 .94 .97 .99 .01 .03 .05 .07	
IF IF PART3 NO AR: STATI(352.0 388.0 404.0 423.0 438.0 471.0 546.0 577.4 405.7 584.0 577.4 603.7 607.0 610.2 613.5 616.8 620.1 STATI(620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 EAR SURGE .87 .87 .87 .87 .88 .88 .88 .88 .88 .90 .90 .91 .92 .92 .94 .97 .99 .01 .03 .05 .07	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 438.0 457.0 441.0 577.4 580.7 584.0 587.3 590.5 593.8 597.1 600.4 603.7 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC: CHANGES 100-YEAR 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 8.87 8.87 8.87 8.87 8.87 8.88 8.88 8.8	
IF IF PART3 NO AR: STATI 352.0 388.0 404.0 404.0 423.0 457.0 546.0 577.4 584.0 657.4 603.7 607.0 610.2 613.5 616.8 620.1 STATI	620.10 620.70 LOCATION (EAS ABOVE TO PART4 ON OO	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 8.87 8.87 8.87 8.87 8.87 8.88 8.88 8.8	
IF IF PART3 NO AR: STATI: 352.0 388.0 404.0 423.0 438.0 457.0 4580.7 584.0 577.4 4580.7 584.0 603.7 607.0 610.2 613.5 616.8 620.1 STATI:	620.10 620.70 LOCATION (EAS ABOVE DART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 EAR SURGE .87 .87 .87 .87 .87 .88 .88 .88 .88 .89 .90 .90 .91 .03 .05 .05 .07 .09 .16 .33 .30NE	
IF FPART3 NO AR: STATI: 352.0 388.0 404.0 423.0 425.0 471.0 577.4 4580.7 584.0 587.3 590.5 593.8 597.1 600.4 603.7 601.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-YEAR 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 1.87 1.87 1.87 1.87 1.87 1.88 1.88 1.88	
IF FPART3 NO AR: STATI: 352.0 388.0 404.0 423.0 425.0 471.0 577.4 4580.7 584.0 587.3 590.5 593.8 597.1 600.4 603.7 601.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE DART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 OF AREAS ABOVE 100 100-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 EAR SURGE .87 .87 .87 .87 .87 .887 .887 .888 .888 .899 .900 .910 .92 .94 .97 .01 .03 .05 .07 .09 .16 .33 .33 .30 NF FHF	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 423.0 457.0 457.0 567.4 580.7 584.0 597.1 600.4 603.7 607.0 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 EAR SURGE 1.87 1.87 1.87 1.87 1.887 1.887 1.88 1.88	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 438.0 457.0 484.0 577.4 580.7 584.0 577.4 580.7 584.0 600.4 603.7 607.0 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE : PART4 ON OO	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 1.87 1.87 1.87 1.87 1.87 1.88 1.88 1.88	
IF IF PART3 NO AR STATI 352.0 388.0 404.0 423.0 425.0 471.0 577.4 580.7 584.0 587.3 590.5 593.8 597.1 600.4 603.7 601.0 610.2 613.5 616.8 620.1	620.10 620.70 LOCATION (EAS ABOVE T PART4 ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09 0.01 DF AREAS ABOVE 100 LOO-YEAR SURGE IN LOCATION OF SURGE 10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	6.18 6.18 6.18 1-YEAR SURGE THIS TRANSEC CHANGES 100-Y 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.39 9.33 TT EAR SURGE 1.87 1.87 1.87 1.87 1.87 1.88 1.88 1.88	

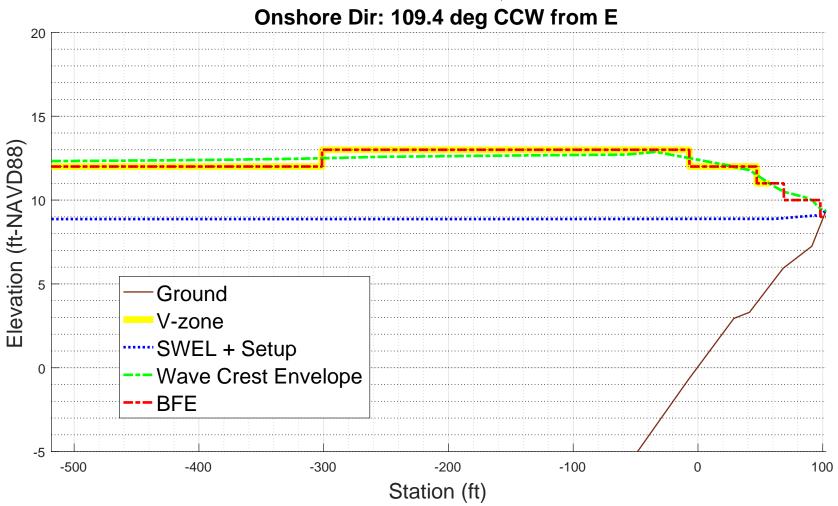
423.00	12.69	V22	EL=13	120
436.00	12.70	V22	EL=13	120
438.00	12.70	V22	EL=13	120
456.00	12.70	V22	EL=13	120
		V22	EL=13	120
457.00	12.71	V22	EL=13	120
469.00	12.77	V22	EL=13	120
471.00	12.78	V22	EL=13	120
481.00	12.85	V22	EL=13	120
484.00	12.88	V22	EL=13	120
511.37	12.50	V22	EL=12	120
546.00	12.02	V22	EL=12	120
559.50	11.79	V22	EL=12	120
565.37	11.50	V22	EL=11	120
575.91	10.98	A18	EL=11	90
577.40	10.90	A18	EL=11	90
580.70	10.76	A18	EL=11	90
584.00	10.62	A18	EL=11	90
587.12	10.50	A18	EL=10	90
587.30	10.49	A18	EL=10	90
590.50	10.43	A18	EL=10	90
593.80	10.37	A18	EL=10	90
597.10 600.40	10.30	A18	EL=10	90
		A18	EL=10	90
603.70	10.17	A18	EL=10	90
610.20	9.97	A18	EL=10	90
		A18	EL=10	90
613.50 616.30	9.68 9.50	A18	EL=10	90
616.80	9.50	A18	EL= 9	90
620.10	9.47	A18	EL= 9	90
620.10	9.39	A18	EL= 9	90

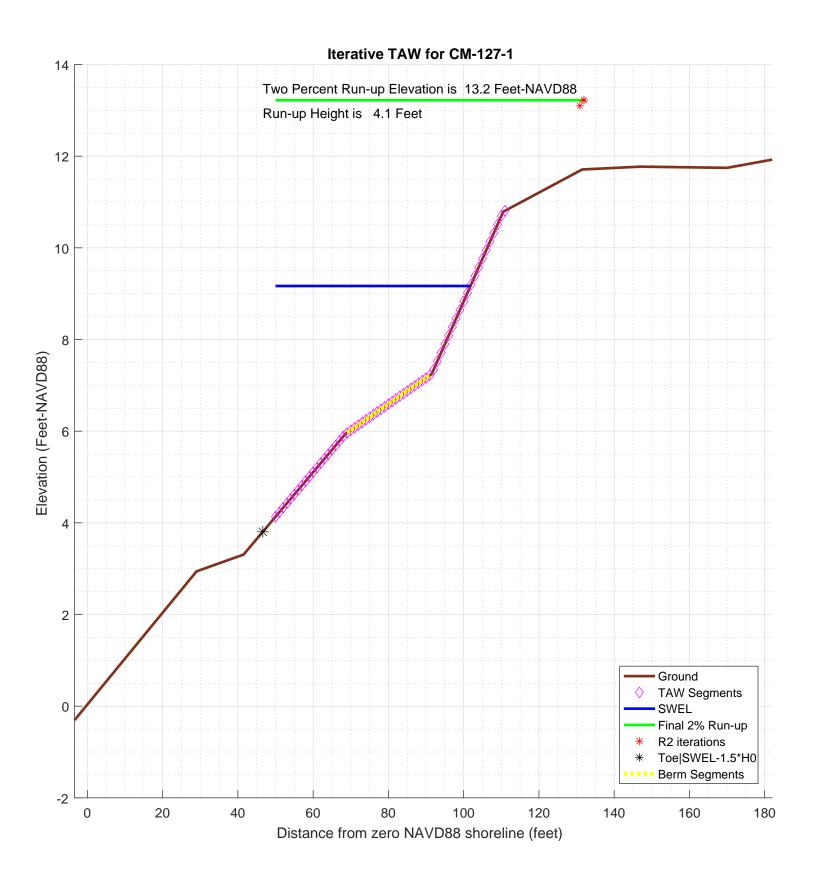
PS# 2 END(417245.9223,4844373.8613)

A18 EL= 9
9.33

ZONE TERMINATED AT END OF TRANSECT
PART 7 POSTSCRIPT NOTES
PS# 2 END(417344.1452,4844094.6743)
PS# 2 END(417245.9223,4844373.8613)

CM-127-1 100-year WHAFIS Output Zero Station: -70.02724420, 43.74661895





```
% begin recording
diary on
% FEMA appeal for The Town of Harpswell, Cumberland county, Maine
% TRANSECT ID: CM-127-1
% calculation by SJH, Ransom Consulting, Inc. 20-Feb-2020
% 100-year wave runup using TAW methodology
% including berm and weighted average with foreshore if necessary
% chk nld 20200220
% This script assumes that the incident wave conditions provided
% as input in the configuration section below are the
% appropriate values located at the end of the foreshore
% or toe of the slope on which the run-up is being calculated
% the script does not attempt to apply a depth limit or any other
\mbox{\ensuremath{\mbox{\$}}} 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
% third column is 0 for excluded points
imgname='logfiles/CM-127-1-runup';
SWEL=8.8666; % 100-yr still water level including wave setup. H0=3.3682; % significant wave height at toe of structure
Tp=6.1803;
               % peak period, 1/fma,
T0=Tp/1.1;
gamma_berm=0.82539; % this may get changed automatically below
gamma_rough=0.8;
gamma_beta=1;
gamma_perm=1;
setupAtToe=-0.0097211;
maxSetup=0.46254;
                    % only used in case of berm/shallow foreshore weighted average
plotTitle='Iterative TAW for CM-127-1'
plotTitle =
Iterative TAW for CM-127-1
% END CONFIG
             ______
SWEL=SWEL+setupAtToe
SWEL =
                   8.8568789
SWEL_fore=SWEL+maxSetup
SWEL fore =
                   9.3194189
% FIND WAVELENGTH USING DEEPWATER DISPERSION RELATION
% using English units
L0=32.15/(2*pi)*T0^2
T<sub>1</sub>O =
           161.523178522377
% 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 =
                 3.8045789
% 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 =
                13.9091789
% 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)
                                                    % here is the intersection of Ztoe with profile
    i f
       ((Ztoe > dep(kk)) & (Ztoe <= dep(kk+1)))
       toe_sta=interp1(dep(kk:kk+1),sta(kk:kk+1),Ztoe)
    end
end
toe_sta =
          46.6177029112231
% 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)
top_sta =
          137.929492046669
% just so the reader can tell the values aren't -999 anymore
top sta
top_sta =
          137.929492046669
toe_sta
toe sta =
          46.6177029112231
% 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*HO
if Ztoe > dep(1)
   dd=SWEL_fore-dep;
   k=find(dd<0,1); % k is index of first land point
   staAtSWL=interpl(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*HO is %4.1f ft landward of toe of slope', dsta)
   sprintf('-!!- Setup is interpolated between setup at toe of slope and max setup')
```

```
sprintf('-!!-
                             setup is adjusted to %4.2f feet', setup)
    SWEL=SWEL-setupAtToe+setup;
    sprintf('-!!-
                             SWEL is adjusted to %4.2f feet', SWEL)
    k=find(dep < SWEL-1.5*H0)
    sta(k)=[];
    dep(k)=[];
else
   sprintf('-!!- The User has selected a starting point that is %4.2f feet above the elevation of SWEL-1.5H0\n',dep(1 sprintf('-!!- This may be reasonable for some cases. However the user may want to consider:\n') sprintf('-!!- 1) Selecting a starting point that is at or below %4.2f feet elevation, or\n', Ztoe)
    sprintf('-!!-
                         2) Reducing the incident wave height to a depth limited condition. 
 \n')
end
ans =
-!!- Location of SWEL-1.5*HO is 163.6 ft landward of toe of slope
-!!- Setup is interpolated between setup at toe of slope and max setup
ans =
-!!-
              setup is adjusted to 0.30 feet
ans =
              SWEL is adjusted to 9.17 feet
-!!-
k =
      1
      2
      3
      4
5
6
7
8
9
     10
     11
     12
     13
     14
     15
```

```
58
59
    60
    61
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    96
    97
    98
    99
   100
   101
   102
   103
   104
   105
   106
   107
   108
   109
   110
   111
% now iterate converge on a runup elevation
tol=0.01; % convergence criteria R2del=999;
R2_new=3*H0; %initial guess
R2=R2_new;
iter=\overline{0};
R2_all=[];
topStaAll=[];
Taw_ALWAYS_VALID=1;
while(abs(R2del) > tol && iter <= 25)</pre>
    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
    % elevation of top of slope/extent of 2% run-up
    z_2
    % incident significant wave height
    Н0
    % incident spectral peak wave period
    Тp
    % 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
      \verb"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)
% 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
   end
end
sprintf ('!----- End Berm Factor Calculation, Iter: %d -----!',iter)
berm_width
rB=berm_width/Lslope
if (berm_width > 0)
   rdh_mean=rdh_sum/berm_width
else
  rdh_mean=1
end
gamma_berm=1- rB * (1-rdh_mean)
if gamma_berm > 1
   gamma_berm=1
end
if gamma_berm < 0.6
   gamma_berm =0.6
end
% Iribarren number
slope=(Z2-Ztoe)/(Lslope-berm_width)
Irb=(slope/(sqrt(H0/L0)))
% runup height
gamma_berm
gamma perm
gamma_beta
gamma_rough
gamma=gamma_berm*gamma_perm*gamma_beta*gamma_rough
% check validity
TAW_VALID=1;
if (Irb*gamma_berm < 0.5 | Irb*gamma_berm > 10 )
   sprintf('!!! - - Iribaren number: %6.2f is outside the valid range (0.5-10), TAW NOT VALID - - !!!\n', Irb*gam
  TAW VALID=0;
else
  sprintf('!!! - - Iribaren number: %6.2f is in the valid range (0.5-10), TAW RECOMMENDED - - !!!\n', Irb*gamma_
end
islope=1/slope;
if (slope < 1/8 | slope > 1)
    sprintf('!!! - - slope: 1
                  - slope: 1:%3.1f V:H is outside the valid range (1:8 - 1:1), TAW NOT VALID - - !!!\n', islope)
   TAW_VALID=0;
  sprintf('!!! - - slope: 1:%3.1f V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!\n', islope)
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 ('! disp ('!
                 Berm_width is greater than 1/4 wave length')
                  Runup will be weighted average with foreshore calculation assuming depth limited wave height on ber
       % do the foreshore calculation
       fore_H0=0.78*(SWEL_fore-min(Berm_Heights))
       % get upper slope
       fore_toe_sta=-999;
       fore_toe_dep=-999;
       for kk=length(dep)-1:-1:1
          ddep=dep(kk+1)-dep(kk);
          dsta=sta(kk+1)-sta(kk);
          s=ddep/dsta;
          if s < 1/15
             break
          end
          fore_toe_sta=sta(kk);
          fore_toe_dep=dep(kk);
          upper_slope=(Z2-fore_toe_dep)/(top_sta-fore_toe_sta)
       end
       fore_Irb=upper_slope/(sqrt(fore_H0/L0));
       fore_gamma=gamma_perm*gamma_beta*gamma_rough;
       if (fore_Irb < 1.8)
          fore_R2=fore_gamma*fore_H0*1.77*fore_Irb;
       else
          fore_R2=fore_gamma*fore_H0*(4.3-(1.6/sqrt(fore_Irb)));
       end
       if berm_width >= L0
          R2_new=fore_R2
          disp ('berm is wider than one wavelength, use full shallow foreshore solution');
       else
          w2=(berm_width-0.25*L0)/(0.75*L0)
          w1 = 1 - w2
          R2_new=w2*fore_R2 + w1*R2_new
       end
    end % end berm width check
    % convergence criterion
    R2del=abs(R2-R2_new)
    R2_all(iter)=R2_new;
    % get the new top station (for plot purposes)
    Z2=R2_new+SWEL
    top_sta=-999;
    for kk=1:length(sta)-1
       if ((Z2 > dep(kk)) & (Z2 <= dep(kk+1)))
                                                 % here is the intersection of z2 with profile
          top_sta=interp1(dep(kk:kk+1),sta(kk:kk+1),Z2)
          break;
       end
    end
    if top_sta==-999
       dy=Z2-dep(end);
       top_sta=sta(end)+dy/S(end);
    end
    topStaAll(iter)=top_sta;
end
ans =
        ----- STARTING ITERATION 1 -----!
Ztoe =
                 3.8045789
toe_sta =
          46.6177029112231
top_sta =
          137.929492046669
7.2 =
                13.9091789
H0 =
                    3.3682
Tp =
                    6.1803
T0 =
          5.61845454545454
R2 =
                   10.1046
7.2 =
          19.2720969625541
top_sta =
          184.519403022822
Lslope =
          137.901700111599
Berm Factor Calculation: Iteration 1, Profile Segment: 20
          3.17853746255406
```

```
rdh_sum =
         0.455831438153278
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 21
dh =
          3.12133646255406
rdh_sum =
         0.898394170675858
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 22
dh =
          3.06413596255406
rdh_sum =
          1.32772918429549
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 23
dh =
          3.00693546255406
rdh_sum =
          1.74388676204367
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 24
dh =
          2.94973446255406
rdh_sum =
          2.14692644923318
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 25
dh =
          2.89253396255406
rdh_sum =
          2.53691735478053
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 26
dh =
          2.83533346255406
rdh_sum =
          2.91393775777477
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 27
dh =
          2.77813246255406
rdh_sum =
          3.27807505451236
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 28
dh =
          2.72093146255406
rdh_sum =
          3.62942592240545
Berm Factor Calculation: Iteration 1, Profile Segment: 29
          2.66373096255406
rdh_sum =
          3.96809624780915
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 30
          2.60653046255406
rdh_sum =
          4.29420082795931
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 31
dh =
          2.54932946255406
rdh_sum =
          4.60786329329859
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 32
dh =
          2.49212846255406
rdh_sum =
          4.90921623820501
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 33
dh =
          2.43492796255406
rdh_sum =
          5.19840112200614
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 34
dh =
          2.37772746255406
rdh_sum =
           5.4755679542565
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 35
dh =
          2.32052646255406
```

```
rdh_sum =
         5.74087519323827
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 36
dh =
          2.26332546255406
rdh_sum =
          5.99448984202326
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 37
dh =
          2.20612496255406
rdh_sum =
          6.23658732379978
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 38
dh =
          2.14892446255406
rdh_sum =
          6.46735115406978
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 39
          2.09172346255406
rdh_sum =
          6.68697281647881
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 40
dh =
          2.03452296255406
rdh_sum =
         6.89565191787464
ans =
Berm Factor Calculation: Iteration 1, Profile Segment: 41
dh =
         1.97732246255406
rdh_sum =
         7.09359575325115
ans =
!----- End Berm Factor Calculation, Iter: 1 -----!
berm_width =
rB =
        0.159533928749219
rdh_mean =
        0.322436170602325
gamma_berm =
        0.891905580317823
slope =
        0.133453763384495
        0.924164571951214
gamma_berm =
        0.891905580317823
gamma_perm =
gamma_beta =
gamma_rough =
                       0.8
gamma =
        0.713524464254259
ans =
!!! - - Iribaren number: 0.82 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
ans =
!!! - - slope: 1:7.5 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2\_new =
         3.93123786091145
R2del =
         6.17336213908855
Z_{2} =
         13.0987348234655
ans =
!----- STARTING ITERATION 2 -----!
Ztoe =
                 3.8045789
toe_sta =
         46.6177029112231
top_sta =
         130.888825578065
Z2 =
         13.0987348234655
H0 =
                    3.3682
Tp =
                    6.1803
T0 =
          5.61845454545454
R2 =
          3.93123786091145
```

```
Z2 =
          13.0987348234655
top_sta =
          130.888825578065
Lslope =
           84.271122666842
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 20
dh =
          3.17853746255406
rdh_sum =
         0.455831438153278
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 21
dh =
          3.12133646255406
rdh_sum =
         0.898394170675858
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 22
dh =
          3.06413596255406
rdh_sum =
          1.32772918429549
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 23
dh =
          3.00693546255406
rdh_sum =
          1.74388676204367
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 24
          2.94973446255406
rdh_sum =
          2.14692644923318
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 25
dh =
          2.89253396255406
rdh_sum =
          2.53691735478053
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 26
dh =
          2.83533346255406
rdh_sum =
          2.91393775777477
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 27
          2.77813246255406
rdh_sum =
          3.27807505451236
Berm Factor Calculation: Iteration 2, Profile Segment: 28
          2.72093146255406
rdh_sum =
          3.62942592240545
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 29
dh =
          2.66373096255406
rdh sum =
          3.96809624780915
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 30
dh =
          2.60653046255406
rdh_sum =
          4.29420082795931
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 31
dh =
          2.54932946255406
rdh_sum =
          4.60786329329859
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 32
dh =
          2.49212846255406
rdh_sum =
          4.90921623820501
Berm Factor Calculation: Iteration 2, Profile Segment: 33
          2.43492796255406
rdh_sum =
          5.19840112200614
```

```
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 34
dh =
         2.37772746255406
rdh_sum =
          5.4755679542565
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 35
dh =
         2.32052646255406
rdh_sum =
          5.74087519323827
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 36
dh =
          2.26332546255406
rdh_sum =
          5.99448984202326
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 37
dh =
          2.20612496255406
rdh_sum =
          6.23658732379978
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 38
dh =
          2.14892446255406
rdh_sum =
         6.46735115406978
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 39
          2.09172346255406
rdh_sum =
          6.68697281647881
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 40
dh =
          2.03452296255406
rdh_sum =
          6.89565191787464
ans =
Berm Factor Calculation: Iteration 2, Profile Segment: 41
dh =
         1.97732246255406
rdh_sum =
         7.09359575325115
ans =
!----- End Berm Factor Calculation, Iter: 2 -----!
berm_width =
rB =
        0.261062144466438
rdh_mean =
         0.322436170602325
gamma_berm =
        0.823113733684551
slope =
        0.149253065071435
Irb =
         1.03357441181142
gamma_berm =
        0.823113733684551
gamma_perm =
gamma_beta =
gamma_rough =
                       0.8
gamma =
        0.658490986947641
ans =
!!! - - Iribaren number: 0.85 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
!!! - - slope: 1:6.7 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2\_new =
          4.05753917715523
R2del =
        0.126301316243785
Z2 =
         13.2250361397093
ans =
     -----! STARTING ITERATION 3 -----!
Ztoe =
                 3.8045789
toe_sta =
          46.6177029112231
top_sta =
         131.986057907803
```

```
Z2 =
          13.2250361397093
H0 =
                    3.3682
Tp =
                    6.1803
T0 =
          5.61845454545454
R2 =
          4.05753917715523
7.2 =
          13.2250361397093
top_sta =
          131.986057907803
Lslope =
          85.3683549965798
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 20
dh =
          3.17853746255406
rdh_sum =
         0.455831438153278
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 21
          3.12133646255406
rdh_sum =
         0.898394170675858
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 22
dh =
          3.06413596255406
rdh_sum =
          1.32772918429549
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 23
dh =
          3.00693546255406
rdh_sum =
          1.74388676204367
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 24
dh =
          2.94973446255406
rdh_sum =
          2.14692644923318
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 25
dh =
          2.89253396255406
rdh_sum =
          2.53691735478053
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 26
          2.83533346255406
rdh_sum =
          2.91393775777477
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 27
dh =
          2.77813246255406
rdh_sum =
          3.27807505451236
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 28
dh =
          2.72093146255406
rdh_sum =
          3.62942592240545
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 29
dh =
          2.66373096255406
rdh_sum =
          3.96809624780915
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 30
dh =
          2.60653046255406
rdh_sum =
          4.29420082795931
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 31
dh =
          2.54932946255406
rdh_sum =
          4.60786329329859
Berm Factor Calculation: Iteration 3, Profile Segment: 32
```

```
dh =
          2.49212846255406
rdh_sum =
          4.90921623820501
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 33
dh =
          2.43492796255406
rdh_sum =
          5.19840112200614
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 34
dh =
          2.37772746255406
rdh_sum =
           5.4755679542565
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 35
dh =
          2.32052646255406
rdh_sum =
          5.74087519323827
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 36
          2.26332546255406
rdh_sum =
          5.99448984202326
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 37
dh =
          2.20612496255406
rdh_sum =
          6.23658732379978
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 38
dh =
          2.14892446255406
rdh_sum =
          6.46735115406978
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 39
dh =
          2.09172346255406
rdh_sum =
          6.68697281647881
ans =
Berm Factor Calculation: Iteration 3, Profile Segment: 40
dh =
          2.03452296255406
rdh_sum =
          6.89565191787464
Berm Factor Calculation: Iteration 3, Profile Segment: 41
          1.97732246255406
rdh_sum =
          7.09359575325115
ans =
       - End Berm Factor Calculation, Iter: 3 -----!
berm_width =
    22
rB =
         0.257706734549136
rdh_mean =
         0.322436170602325
gamma_berm =
         0.825387238077317
slope =
         0.148661855593659
Irb =
          1.02948029831394
gamma_berm =
         0.825387238077317
gamma_perm =
gamma_beta =
gamma_rough =
                       0.8
gamma =
         0.660309790461854
ans =
!!! - - Iribaren number: 0.85 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
!!! - - slope: 1:6.7 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2\_new =
          4.05262961951011
R2del =
       0.00490955764512435
```

13.2201265820642 % final 2% runup elevation Z2=R2_new+SWEL Z2 =

13.2201265820642 diary off -1.000000e+00 -1.000000e+00 -1.000000e+00

```
PART 5: RUNUP2
        for transect: CM-127-1
Station locations shifted by: -0.37 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input
              _RUNUP2 INPUT CONVERSIONS_
        for transect: CM-127-1
Incident significant wave height: 3.09 feet
Peak wave period: 6.17 seconds
Mean wave height: 1.93 feet
Local Depth below SWEL: 27.67 feet
Mean wave height deshoaled using Hunt approximation for
celerity assuming constant wave energy flux.
 References: R.G. Dean and R.A. Dalrymple. 2000. Water
             Wave Mechanics for Engineers and Scientists. World
              Scientific Publishing Company, River Edge New Jersy
             USACE (1985), Direct Methods for Calculating Wavelength, CETN-1-17
             US Army Engineer Waterways Experiment Station Coastel Engineering
             Research Center, Vicksburg, MS
             also see Coastal Engineering Manual Part II-3
             for discussion of shoaling coefficient
    Depth, D = 27.67
    Period, T = 5.24
    Waveheight, H = 1.93
Deep water wavelength, L0 (ft)
    L0 = g*T*T/twopi
    L0 = 32.17*5.24*5.24/6.28 = 140.67
Deep water wave celerity, CO (ft/s)
    C0 = L0/T
    C0 = 140.67/5.24 = 26.84
Angular frequency, sigma (rad/s)
    sigma = twopi/T
    sigma = 6.28/5.24 = 1.20
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
    y = sigma.*sigma.*D./g
    y = 1.20*1.20*27.67/32.17 = 1.24
    \texttt{C1H} = \texttt{sqrt}( \texttt{g.*D.}/(\texttt{y+1.}/(\texttt{1} + \texttt{0.6522.*y} + \texttt{0.4622.*y.^2} + \texttt{0.0864.*y.^4} + \texttt{0.0675.*y.^5})) \ )
    C1H = 23.74
Shoaling Coefficient KsH
    KsH = sqrt(C0/C1H)
    KsH = sqrt(26.84/23.74) = 1.06
Deepwater Wave Height HO_H (ft)
    H0_H = H/KsH
    H0_H = 1.93/1.06 = 1.82
Deepwater mean wave height: 1.82 feet
              _END RUNUP2 CONVERSIONS_
              RUNUP2 RESULTS
        for transect: CM-127-1
RUNUP2 SWEL:
8.90
```

8.90 8.90 8.90

```
8.90
8.90
8.90
8.90
8.90
RUNUP2 deepwater mean wave heights:
1.73
1.73
1.73
1.82
1.82
1.82
1.91
1.91
1.91
RUNUP2 mean wave periods:
4.98
5.24
5.50
4.98
5.24
5.50
4.98
5.24
5.50
RUNUP2 runup above SWEL:
2.38
2.53
2.69
2.41
2.58
2.74
2.42
2.60
2.78
RUNUP2 Mean runup height above SWEL: 2.57 feet
RUNUP2 2-percent runup height above SWEL: 5.65 feet
RUNUP2 2-percent runup elevation: 14.55 feet-NAVD88
RUNUP2 Messages:
No Messages
             __END RUNUP2 RESULTS_
              __ACES BEACH RUNUP_
Incident significant wave height: 3.09 feet
Significant wave height deshoaled using Hunt equation
Deepwater significant wave height: 2.55 feet
Peak wave period: 6.17 seconds
Average beach Slope: 1:21.24 (H:V)
ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'
ACES Beach 2-percent runup height above SWEL: 2.52 feet
ACES Beach 2-percent runup elevation: 11.42 feet-NAVD88
ACES BEACH RUNUP is valid
```

END ACES B
PART 5 COMPLETE

FEMA

sjh job 2 1

CROSS SECTION PROFILE

	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-517.0	-18.8	0.0	0.0
2	-500.0	-18.4	.00	.80
3	-419.0	-15.6	28.93	.80
4	-319.0	-11.5	24.39	.80
5	-318.0	-11.5	FLAT	.80
6	-255.6	-8.2	18.97	.80
7	-254.6	-8.2	50.00	.80
			75.00	.80
8	-170.6	-7.1	84.78	.80
9	-131.6	-6.6	100.00	.80
10	-130.6	-6.6	140.91	.80
11	-68.6	-6.2	166.67	.80
12	-58.6	-6.1	14.29	.80
13	-57.6	-6.0		
14	-7.6	8	9.51	.80
15	-6.6	6	9.09	.80
16	29.4	3.0	10.00	.80
17	41.9	3.3	33.78	.80
18	68.9	5.9	10.31	.80
			17.42	.80
19	91.9	7.3	5.37	.80
20	110.9	10.8		

LAST SLOPE 5.00 LAST ROUGHNESS .80

CLIENT- FEMA ** WAVE RUNUP-VERSION 2.0 ** ENGINEERED BY sjh JOB job 2 PROJECT-RUNUP2 transect: CM-127-1 RUN 1 PAGE 2

OUTPUT TABLE

INPUT PARAMETERS RUNUP RESULTS

WATER LEVEL ABOVE DATUM (FT.)	DEEP WATER WAVE HEIGHT (FT.)	WAVE PERIOD (SEC.)	BREAKING SLOPE NUMBER	RUNUP SLOPE NUMBER	RUNUP ABOVE WATER LEVEL (FT.)	BREAKER DEPTH (FT.)
8.90	1.73	4.98	11	20	2.38	3.15
8.90	1.73	5.24	11	20	2.53	3.21
8.90	1.73	5.50	11	20	2.69	3.27
8.90	1.82	4.98	11	20	2.41	3.28
8.90	1.82	5.24	11	20	2.58	3.34
8.90	1.82	5.50	11	20	2.74	3.41
8.90	1.91	4.98	11	20	2.42	3.41
8.90	1.91	5.24	11	20	2.60	3.48
8.90	1.91	5.50	11	20	2.78	3.54

