

DATA LOG FOR TRANSECT ID: CM-124-1

PART 1: USER INPUT

SWAN 1-D / WHAFIS input

station: -511 ft

LON: -70.0124 deg E LAT: 43.785 deg N

Bottom ELEV: -21.5647 ft-NAVD88

TWL: 8.9825 ft-NAVD88

HS: 2.6133 ft TP: 3.4 sec

Wave Direction bin: 270 deg CCW from East (90 deg sector)

Transect Direction: 282.2554 deg CCW from East

TAW/RUNUP input

toe sta: 379 ft

toe elev: 5.397 ft-NAVD88

top sta: 414.5 ft

top elev: 16.2894 ft-NAVD88

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

PART 1 COMPLETE_____



DADE O. GUAN 1 D

PART 2: SWAN 1-D

swan input grid name: 2_swan/gridfiles/CM-124-1zmeters_xmeters.grd

swan file name: 2_swan/swanfiles/CM-124-1.swn
swan output name: 2_swan/swanfiles/CM-124-1.dat

Boundary Conditions:

TWL- 2.7379 meters HS- 0.79654 meters PER- 3.4 seconds

Batch File: 2_swan/swanfiles/runswan.dat

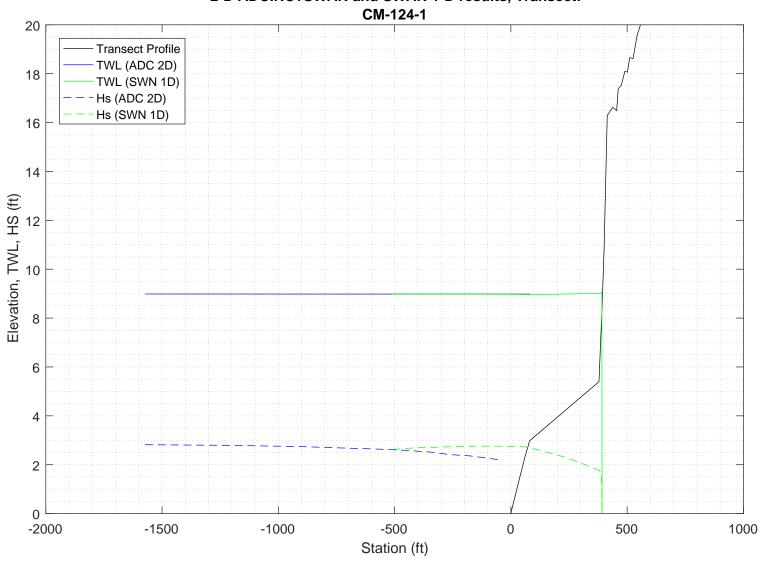
SWAN maximum additional wave setup: 0.089504 feet

SWAN output at toe:

SETUP- 0.026568 feet HS- 1.7682 feet PER- 3.343 seconds

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]
                               277
             0 0 0
CGRID REGULAR
                                      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
                                       277 0
!READinp BOTtom [fac] 'fname1' [idla] [nhedf] [FREe|FORmat[form]|UNFormatted]
      BOTTOM -1. '../gridfiles/CM-124-1zmeters 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 0.79654 3.4 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
                        277 277 0
!TABLe 'sname' < HEADer NOHEADer INDexed > 'fname' <output parameters> (output time)
 Table 'curve'
               HEADER 'CM-124-1.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
Gridresolution
                    : MXC
                                      278 MYC
                                                           1
                     : MCGRD
                                      279
                                       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
                  : GRAV
Physical constants
                               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
iteration
           1; sweep 4
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
 ITRIAD
           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 2.90 % of wet grid points (99.50 % required)
iteration
            3; sweep 1
            3; sweep 2
iteration
iteration
            3; sweep 3
```

```
iteration 3; sweep 4 accuracy OK in 0.37 % of wet grid points ( 99.50 % required)
               4; sweep 1
4; sweep 2
iteration
iteration
iteration
             4; sweep 3
4; sweep 4
iteration
accuracy OK in 19.21 % of wet grid points ( 99.50 % required)
                5; sweep 1
5; sweep 2
iteration
iteration
iteration 5; sweep 3
iteration 5; sweep 4
accuracy OK in 54.72 % of wet grid points (99.50 % required)
iteration
               6; sweep 1
iteration
               6; sweep 2
iteration
             6; sweep 3
iteration 6; sweep 4 accuracy OK in 80.80 % of wet grid points (99.50 % required)
iteration
                7; sweep 1
iteration
                7; sweep 2
iteration
               7; sweep 3
iteration 7, sweep 3
iteration 7; sweep 4
accuracy OK in 100.00 % of wet grid points (99.50 % required)
```

STOP

t k Run:1	Table:cu	ırve	SWAN version	n:41.20A						
5 k Xp k [m		Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
>	0.	0.	0.79987	3.3388	3.3473	3.0583	0.001	31.5297	9.3100	0.000000
	1.	0.	0.80057	3.3387	3.3473	3.0563	0.001	31.5322 31.5348	9.2700	-0.000004
	2. 3.	0. 0.	0.80126 0.80195	3.3386 3.3385	3.3473 3.3473	3.0543 3.0523	0.001 0.001	31.5348	9.2300 9.1900	-0.000007 -0.000011
	4.	0.	0.80261	3.3384	3.3473	3.0503	0.001	31.5389	9.1400	-0.000011
	5.	0.	0.80330	3.3383	3.3473	3.0483	0.001	31.5413	9.1000	-0.000019
	6.	0.	0.80398	3.3382	3.3473	3.0463	0.001	31.5437	9.0600	-0.000023
	7.	0.	0.80467	3.3381	3.3473	3.0443	0.001	31.5461	9.0200	-0.000027
	8.	0.	0.80534	3.3380	3.3473 3.3473	3.0424 3.0403	0.001 0.001	31.5482 31.5503	8.9800	-0.000031 -0.000035
	9. 10.	0. 0.	0.80598 0.80665	3.3379 3.3378	3.3473	3.0384	0.001	31.5530	8.9300 8.8900	-0.000035
	11.	0.	0.80740	3.3377	3.3473	3.0360	0.003	31.5532	8.8500	-0.000044
	12.	0.	0.80820	3.3376	3.3473	3.0334	0.007	31.5519	8.8100	-0.000048
	13.	0.	0.80897	3.3375	3.3473	3.0309	0.012	31.5524	8.7699	-0.000052
	14.	0.	0.80971	3.3374	3.3473	3.0285	0.017	31.5540	8.7299	-0.000057
	15. 16.	0. 0.	0.81041 0.81111	3.3373 3.3372	3.3473 3.3473	3.0261 3.0240	0.022 0.025	31.5553 31.5577	8.6799 8.6399	-0.000062 -0.000066
	17.	0.	0.81185	3.3372	3.3473	3.0240	0.025	31.5611	8.5999	-0.000071
	18.	0.	0.81257	3.3370	3.3473	3.0194	0.038	31.5647	8.5599	-0.000076
	19.	0.	0.81320	3.3369	3.3473	3.0173	0.041	31.5682	8.5099	-0.000081
	20.	0.	0.81385	3.3368	3.3473	3.0154	0.043	31.5717	8.4699	-0.000085
	21.	0.	0.81447	3.3367	3.3473	3.0133	0.044	31.5745	8.4199	-0.000091
	22. 23.	0. 0.	0.81516 0.81582	3.3366 3.3364	3.3473 3.3473	3.0111 3.0088	0.051 0.058	31.5789 31.5805	8.3799 8.3299	-0.000095 -0.000101
	24.	0.	0.81636	3.3363	3.3473	3.0064	0.062	31.5787	8.2599	-0.000101
	25.	0.	0.81688	3.3361	3.3473	3.0041	0.066	31.5750	8.1899	-0.000114
	26.	0.	0.81732	3.3360	3.3473	3.0017	0.068	31.5717	8.1099	-0.000121
	27.	0.	0.81778	3.3358	3.3473	2.9995	0.071	31.5689	8.0399	-0.000128
	28. 29.	0. 0.	0.81822 0.81869	3.3356 3.3355	3.3473 3.3473	2.9973 2.9949	0.073 0.081	31.5664 31.5663	7.9699 7.8999	-0.000135 -0.000142
	30.	0.	0.81915	3.3353	3.3473	2.9926	0.087	31.5659	7.8299	-0.000142
	31.	0.	0.81963	3.3352	3.3473	2.9904	0.091	31.5639	7.7698	-0.000156
	32.	0.	0.82004	3.3350	3.3473	2.9881	0.094	31.5604	7.6998	-0.000164
	33.	0.	0.82044	3.3349	3.3473	2.9859	0.097	31.5553	7.6298	-0.000171
	34. 35.	0. 0.	0.82084 0.82128	3.3347 3.3346	3.3473 3.3473	2.9836 2.9815	0.101 0.104	31.5503 31.5449	7.5598 7.4998	-0.000180 -0.000187
	36.	0.	0.82165	3.3344	3.3473	2.9792	0.104	31.5385	7.4298	-0.000196
	37.	0.	0.82197	3.3342	3.3473	2.9771	0.110	31.5318	7.3598	-0.000205
	38.	0.	0.82226	3.3341	3.3473	2.9750	0.112	31.5262	7.2898	-0.000214
	39.	0.	0.82255	3.3339	3.3473	2.9729	0.116	31.5222	7.2198	-0.000223
	40. 41.	0. 0.	0.82291 0.82317	3.3338 3.3336	3.3473 3.3473	2.9707 2.9686	0.124 0.129	31.5215 31.5173	7.1598 7.0898	-0.000231 -0.000241
	42.	0.	0.82317	3.3334	3.3473	2.9665	0.129	31.5108	7.0197	-0.000241
	43.	0.	0.82361	3.3333	3.3473	2.9645	0.135	31.5044	6.9497	-0.000261
	44.	0.	0.82386	3.3331	3.3473	2.9626	0.138	31.4981	6.8897	-0.000270
	45.	0.	0.82402	3.3330	3.3473	2.9606	0.140	31.4904	6.8197	-0.000281
	46. 47.	0. 0.	0.82416 0.82429	3.3328 3.3327	3.3473 3.3473	2.9586 2.9566	0.142 0.143	31.4808 31.4696	6.7497 6.6797	-0.000292 -0.000303
	48.	0.	0.82442	3.3327	3.3473	2.9546	0.145	31.4592	6.6097	-0.000303
	49.	0.	0.82463	3.3324	3.3473	2.9526	0.149	31.4482	6.5497	-0.000326
	50.	0.	0.82476	3.3322	3.3473	2.9505	0.154	31.4361	6.4797	-0.000339
	51.	0.	0.82499	3.3321	3.3473	2.9485	0.158	31.4284	6.4196	-0.000351
	52.	0.	0.82547	3.3320	3.3473	2.9468	0.162	31.4244	6.3896	-0.000359
	53. 54.	0. 0.	0.82584 0.82619	3.3319 3.3318	3.3473 3.3473	2.9451 2.9435	0.166 0.168	31.4208 31.4188	6.3496 6.3096	-0.000368 -0.000378
	55.	0.	0.82662	3.3317	3.3473	2.9420	0.171	31.4176	6.2796	-0.000376
	56.	0.	0.82694	3.3316	3.3473	2.9404	0.174	31.4150	6.2396	-0.000396
	57.	0.	0.82725	3.3315	3.3473	2.9389	0.177	31.4140	6.1996	-0.000406
	58.	0.	0.82766	3.3314	3.3473	2.9374	0.182	31.4141	6.1696	-0.000414
	59.	0.	0.82797	3.3313	3.3473	2.9358	0.186	31.4121	6.1296	-0.000425

90 90

60.	0.	0.82826	3.3312	3.3473	2.9343	0.189	31.4084	6.0896	-0.000435
61.	0.	0.82860	3.3312	3.3473	2.9327	0.193	31.4047	6.0496	-0.000446
62.	0.	0.82905	3.3311	3.3473	2.9311	0.199	31.4010	6.0195	-0.000456
63.	0.	0.82938	3.3310	3.3473	2.9295	0.205	31.3956	5.9795	-0.000467
64.	0.	0.82968	3.3309	3.3473	2.9279	0.209	31.3917	5.9395	-0.000478
65.	0.	0.83006	3.3308	3.3473	2.9265	0.211	31.3866	5.9095	-0.000488
66.	0.	0.83035	3.3307	3.3473	2.9250	0.212	31.3783	5.8695	-0.000500
67.	0.	0.83063	3.3306	3.3473	2.9235	0.213	31.3708	5.8295	-0.000512
68.	0.	0.83099	3.3306	3.3473	2.9222	0.213	31.3634	5.7995	-0.000522
69.	0.	0.83123	3.3305	3.3473	2.9208	0.214	31.3545	5.7595	-0.000535
70.	0.	0.83146	3.3304	3.3473	2.9194	0.216	31.3465	5.7195	-0.000547
71.	0.	0.83180	3.3303	3.3473	2.9181	0.219	31.3384	5.6894	-0.000558
72.	0.	0.83204	3.3303	3.3473	2.9166	0.222	31.3283	5.6494	-0.000571
73.	0.	0.83228	3.3302	3.3473	2.9152	0.226	31.3189	5.6094	-0.000584
74.	0.	0.83262	3.3301	3.3473	2.9138	0.229	31.3091	5.5794	-0.000595
75.	0.	0.83288	3.3301	3.3473	2.9124	0.231	31.2989	5.5394	-0.000609
76.	0.	0.83324	3.3300	3.3473	2.9110	0.233	31.2880	5.5094	-0.000621
77.	0.	0.83349	3.3299	3.3473	2.9096	0.235	31.2771	5.4694	-0.000636
78.	0.	0.83382	3.3299	3.3473	2.9083	0.239	31.2679	5.4394	-0.000648
79.	0.	0.83415	3.3298	3.3473	2.9070	0.242	31.2591	5.4093	-0.000661
80.	0.	0.83445	3.3297	3.3473	2.9057	0.247	31.2491	5.3793	-0.000673
81.	0.	0.83464	3.3297	3.3473	2.9044	0.252	31.2392	5.3393	-0.000688
82.	0.	0.83492	3.3296	3.3473	2.9032	0.257	31.2300	5.3093	-0.000700
83.	0.	0.83522	3.3296	3.3473	2.9020	0.261	31.2191	5.2793	-0.000714
84.	0.	0.83551	3.3295	3.3473	2.9009	0.263	31.2053	5.2493	-0.000727
85.	0.	0.83567	3.3295	3.3473	2.8996	0.266	31.1909	5.2093	-0.000743
86.	0.	0.83593	3.3294	3.3473	2.8985	0.268	31.1783	5.1792	-0.000757
							31.1660		
87.	0.	0.83619	3.3294	3.3473	2.8975	0.270		5.1492	-0.000771
88.	0.	0.83644	3.3293	3.3473	2.8964	0.273	31.1511	5.1192	-0.000785
89.	0.	0.83661	3.3293	3.3473	2.8952	0.275	31.1350	5.0792	-0.000802
			3.3292						
90.	0.	0.83694		3.3473	2.8940	0.278	31.1207	5.0492	-0.000818
91.	0.	0.83728	3.3292	3.3473	2.8928	0.280	31.1071	5.0192	-0.000833
92.	0.	0.83760	3.3291	3.3473	2.8916	0.283	31.0899	4.9892	-0.000849
93.	0.	0.83779	3.3291	3.3473	2.8904	0.285	31.0714	4.9491	-0.000868
94.	0.	0.83807	3.3291	3.3473	2.8893	0.287	31.0544	4.9191	-0.000884
95.	0.	0.83833	3.3290	3.3473	2.8883	0.289	31.0349	4.8891	-0.000901
96.	0.	0.83847	3.3290	3.3473	2.8872	0.291	31.0145	4.8491	-0.000921
97.	0.	0.83871	3.3290	3.3473	2.8862	0.293	30.9959	4.8191	-0.000938
98.	0.	0.83896	3.3290	3.3473	2.8852	0.295	30.9776	4.7890	-0.000955
99.	0.	0.83917	3.3289	3.3473	2.8842	0.297	30.9570	4.7590	-0.000972
100.	0.	0.83926	3.3289	3.3473	2.8832	0.300	30.9358	4.7190	-0.000993
	0.	0.83946		3.3473	2.8823			4.6890	-0.001011
101.			3.3289			0.303	30.9164		
102.	0.	0.83969	3.3289	3.3473	2.8813	0.305	30.8969	4.6590	-0.001029
103.	0.	0.83992	3.3288	3.3473	2.8804	0.308	30.8742	4.6290	-0.001048
104.	0.	0.84002	3.3288	3.3473	2.8793	0.311	30.8476	4.5889	-0.001071
105.	0.	0.84011	3.3288	3.3473	2.8783	0.314	30.8224	4.5489	-0.001095
106.	0.	0.84029	3.3288	3.3473	2.8774	0.318	30.7973	4.5189	-0.001114
							30.7689	4.4789	
107.	0.	0.84034	3.3288	3.3473	2.8764	0.322			-0.001139
108.	0.	0.84041	3.3288	3.3473	2.8754	0.328	30.7432	4.4388	-0.001164
109.	0.	0.84059	3.3288	3.3473	2.8745	0.333	30.7163	4.4088	-0.001185
110.	0.	0.84062	3.3289	3.3473	2.8736	0.335	30.6889	4.3688	-0.001211
111.	0.	0.84076	3.3288	3.3473	2.8727	0.337	30.6603	4.3388	-0.001232
112.	0.	0.84076	3.3289	3.3473	2.8718	0.338	30.6277	4.2987	-0.001259
113.	0.	0.84077	3.3289	3.3473	2.8710	0.339	30.5971	4.2587	-0.001287
114.	0.	0.84090	3.3289	3.3473	2.8702	0.338	30.5669	4.2287	-0.001310
115.	0.	0.84094	3.3289	3.3473	2.8693	0.339	30.5405	4.1887	-0.001339
116.	0.	0.84109	3.3289	3.3473	2.8685	0.343	30.5141	4.1586	-0.001363
117.	0.	0.84108	3.3290	3.3473	2.8677	0.346	30.4824	4.1186	-0.001393
118.	0.	0.84105	3.3290	3.3473	2.8670	0.351	30.4520	4.0786	-0.001423
119.	0.	0.84112	3.3290	3.3473	2.8663	0.355	30.4216	4.0486	-0.001448
120.	0.	0.84106	3.3291	3.3473	2.8656	0.360	30.3914	4.0085	-0.001480
121.	0.	0.84112	3.3291	3.3473	2.8650	0.364	30.3642	3.9785	-0.001505
122.	0.	0.84117	3.3291	3.3473	2.8644	0.368	30.3337	3.9485	-0.001532
123.	0.	0.84112	3.3292	3.3473	2.8637	0.371	30.3018	3.9084	-0.001566
	0.				2.8631	0.374			
124.		0.84119	3.3292	3.3473			30.2686	3.8784	-0.001593
125.	0.	0.84112	3.3293	3.3473	2.8625	0.379	30.2353	3.8384	-0.001629
126.	0.	0.84117	3.3293	3.3473	2.8620	0.383	30.2052	3.8083	-0.001658
				- · -					

127.	0.	0.84120	3.3294	3.3473	2.8615	0.388	30.1715	3.7783	-0.001687
128.	0.	0.84111	3.3294	3.3473	2.8610	0.393	30.1361	3.7383	-0.001725
129.	0.	0.84111	3.3295	3.3473	2.8606	0.398	30.0993	3.7082	-0.001755
130.	0.	0.84102	3.3296	3.3473	2.8602	0.402	30.0615	3.6682	-0.001795
131.	0.	0.84104	3.3296	3.3473	2.8598	0.407	30.0272	3.6382	-0.001827
132.	0.	0.84104	3.3297	3.3473	2.8594	0.412	29.9888	3.6081	-0.001860
133.	0.	0.84092	3.3298	3.3473	2.8591	0.415	29.9477	3.5681	-0.001903
134.	0.	0.84091	3.3298	3.3473	2.8589	0.418	29.9098	3.5381	-0.001937
135.	0.	0.84088	3.3299	3.3473	2.8586	0.420	29.8673	3.5080	-0.001973
136.	0.	0.84075	3.3300	3.3473	2.8584	0.422	29.8226	3.4680	-0.002018
137.	0.	0.84067	3.3300	3.3473	2.8582	0.424	29.7766	3.4379	-0.002055
	0.								
138.		0.84049	3.3301	3.3473	2.8581	0.426	29.7307	3.3979	-0.002102
139.	0.	0.84040	3.3302	3.3473	2.8579	0.427	29.6842	3.3679	-0.002140
140.	0.	0.84019	3.3303	3.3473	2.8578	0.429	29.6311	3.3278	-0.002190
141.	0.	0.83999	3.3304	3.3473	2.8576	0.430	29.5753	3.2878	-0.002242
142.	0.	0.83980	3.3306	3.3473	2.8576	0.431	29.5231	3.2477	-0.002295
143.	0.	0.83972	3.3306	3.3473	2.8575	0.433	29.4725	3.2177	-0.002338
144.	0.	0.83953	3.3308	3.3473	2.8574	0.435	29.4155	3.1776	-0.002394
145.	0.	0.83933	3.3309	3.3473	2.8574	0.437	29.3554	3.1375	-0.002452
146.	0.	0.83914	3.3310	3.3473	2.8574	0.439	29.2930	3.0975	-0.002512
147.	0.	0.83897	3.3312	3.3473	2.8575	0.440	29.2347	3.0574	-0.002574
148.	0.	0.83890	3.3312	3.3473	2.8575	0.441	29.1779	3.0274	-0.002625
149.	0.	0.83876	3.3314	3.3473	2.8576	0.441	29.1128	2.9873	-0.002691
150.	0.	0.83861	3.3315	3.3473	2.8578	0.443	29.0439	2.9472	-0.002760
151.	0.	0.83845	3.3317	3.3473	2.8580	0.444	28.9719	2.9072	-0.002831
152.	0.	0.83832	3.3318	3.3473	2.8583	0.448	28.9048	2.8671	-0.002905
153.	0.	0.83827	3.3319	3.3473	2.8586	0.452	28.8384	2.8370	-0.002965
154.	0.	0.83815	3.3321	3.3473	2.8590	0.455	28.7644	2.7970	-0.003044
155.	0.	0.83802	3.3323	3.3473	2.8595	0.457	28.6857	2.7569	-0.003126
156.	0.	0.83788	3.3324	3.3473	2.8601	0.456	28.6023	2.7168	-0.003211
157.	0.	0.83779	3.3326	3.3473	2.8608	0.456	28.5242	2.6767	-0.003299
158.	0.	0.83772	3.3327	3.3473	2.8614	0.456	28.4516	2.6466	-0.003370
159.	0.	0.83762	3.3329	3.3473	2.8623	0.456	28.3691	2.6065	-0.003464
160.	0.	0.83750	3.3331	3.3473	2.8631	0.458	28.2814	2.5664	-0.003561
161.	0.	0.83737	3.3332	3.3473	2.8641	0.460	28.1894	2.5263	-0.003661
162.	0.	0.83726	3.3334	3.3473	2.8651	0.463	28.1015	2.4862	-0.003766
163.	0.	0.83714	3.3335	3.3473	2.8660	0.465	28.0142	2.4562	-0.003848
164.	0.	0.83698	3.3337	3.3473	2.8672	0.470	27.9130	2.4160	-0.003959
165.	0.	0.83678	3.3339	3.3473	2.8684	0.477	27.8054	2.3759	-0.004074
166.	0.	0.83656	3.3341	3.3473	2.8698	0.485	27.6922	2.3358	-0.004192
167.	0.	0.83631	3.3343	3.3473	2.8712	0.495	27.5832	2.2957	-0.004313
168.	0.	0.83596	3.3344	3.3473	2.8723	0.504	27.4754	2.2656	-0.004405
169.	0.	0.83557	3.3346	3.3473	2.8738	0.516	27.3505	2.2255	-0.004531
170.	0.	0.83506	3.3348	3.3473	2.8754	0.527	27.2150	2.1853	-0.004658
171.	0.	0.83444	3.3351	3.3473	2.8770	0.539	27.0715	2.1452	-0.004787
172.	0.	0.83373	3.3353	3.3473	2.8785	0.551	26.9321	2.1051	-0.004915
173.	0.	0.83281	3.3354	3.3473	2.8796	0.563	26.7923	2.0750	-0.005004
174.	0.	0.83184	3.3356	3.3473	2.8810	0.578	26.6420	2.0349	-0.005129
175.	0.	0.83061	3.3357	3.3473	2.8817	0.593	26.4882	2.0048	-0.005210
176.	0.	0.82933	3.3359	3.3473	2.8825	0.611	26.3201	1.9647	-0.005328
177.	0.	0.82776	3.3361	3.3473	2.8826	0.629	26.1603	1.9346	-0.005394
178.	0.	0.82606	3.3361	3.3473	2.8821	0.650	25.9961	1.9045	-0.005454
179.	0.	0.82414	3.3361	3.3473	2.8811	0.673	25.8144	1.8745	-0.005504
180.	0.	0.82218	3.3361	3.3473	2.8799	0.703	25.6264	1.8344	-0.005591
181.	0.	0.81988	3.3360	3.3473	2.8769	0.734	25.4969	1.8144	-0.005562
182.	0.	0.81725	3.3358	3.3473	2.8727	0.759	25.4139	1.8146	-0.005422
183.	0.	0.81499	3.3355	3.3473	2.8691	0.798	25.3255	1.8047	-0.005344
184.	0.	0.81277	3.3351	3.3473	2.8655	0.844	25.2398	1.7947	-0.005267
185.	0.	0.81048	3.3348	3.3473	2.8618	0.893	25.1580	1.7848	-0.005185
186.	0.	0.80817	3.3344	3.3473	2.8579	0.944	25.0918	1.7749	-0.005098
187.	0.	0.80563	3.3340	3.3473	2.8535	0.992	25.0414	1.7750	-0.004954
188.	0.	0.80328	3.3336	3.3473	2.8498	1.045	24.9758	1.7651	-0.004867
189.	0.	0.80090	3.3332	3.3473	2.8460	1.103	24.9085	1.7552	-0.004777
190.	0.	0.79844	3.3328	3.3473	2.8421	1.166	24.8428	1.7453	-0.004683
191.	0.	0.79608	3.3324	3.3473	2.8384	1.234	24.7865	1.7354	-0.004592
192.	0.	0.79347	3.3320	3.3473	2.8341	1.295	24.7436	1.7356	-0.004444
193.	0.	0.79108	3.3315	3.3473	2.8306	1.364	24.6840	1.7256	-0.004354

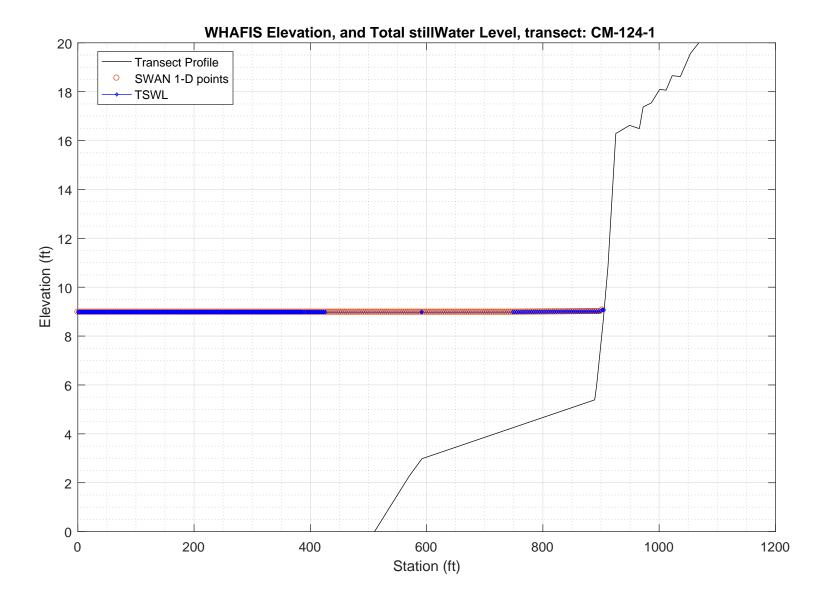
194.	0.	0.78862	3.3311	3.3473	2.8270	1.436	24.6211	1.7157	-0.004261
195.	0.	0.78609	3.3307	3.3473	2.8235	1.511	24.5569	1.7058	-0.004165
196.	0.	0.78351	3.3302	3.3473	2.8198	1.588	24.4921	1.6959	-0.004065
197.	0.	0.78094	3.3298	3.3473	2.8160	1.668	24.4400	1.6860	-0.003961
198.	0.	0.77812	3.3294	3.3473	2.8115	1.743	24.4009	1.6862	-0.003798
199.	0.	0.77558	3.3290	3.3473	2.8076	1.828	24.3449	1.6763	-0.003697
200.	0.	0.77306	3.3287	3.3473	2.8036	1.919	24.2844	1.6664	-0.003595
201.	0.	0.77054	3.3285	3.3473	2.7994	2.017	24.2228	1.6565	-0.003492
202.	0.	0.76808	3.3283	3.3473	2.7950	2.119	24.1716	1.6466	-0.003388
203.	0.	0.76535	3.3281	3.3473	2.7897	2.217	24.1331	1.6468	-0.003222
204.	0.	0.76295	3.3280	3.3473	2.7852	2.328	24.0756	1.6369	-0.003120
205.	0.	0.76056	3.3279	3.3473	2.7803	2.444	24.0120	1.6270	-0.003018
206.	0.	0.75813	3.3279	3.3473	2.7753	2.564	23.9457	1.6171	-0.002912
								1.6072	
207.	0.	0.75573	3.3278	3.3473	2.7700	2.692	23.8917		-0.002803
208.	0.	0.75305	3.3276	3.3473	2.7638	2.812	23.8516	1.6074	-0.002631
209.	0.	0.75068	3.3276	3.3473	2.7585	2.941	23.7918	1.5975	-0.002524
210.	0.	0.74826	3.3275	3.3473	2.7530	3.072	23.7274	1.5876	-0.002414
211.	0.	0.74578	3.3275	3.3473	2.7474	3.206	23.6610	1.5777	-0.002300
212.	0.	0.74327	3.3275	3.3473	2.7416	3.342	23.5926	1.5678	-0.002183
213.	0.	0.74075	3.3274	3.3473	2.7356	3.482	23.5367	1.5579	-0.002061
214.	0.	0.73795	3.3274	3.3473	2.7287	3.616	23.4960	1.5581	-0.001875
215.	0.	0.73538	3.3274	3.3473	2.7231	3.754	23.4362	1.5482	-0.001755
216.	0.	0.73268	3.3274	3.3473	2.7178	3.888	23.3722	1.5384	-0.001632
217.	0.	0.72992	3.3274	3.3473	2.7125	4.023	23.3058	1.5285	-0.001505
218.	0.	0.72714	3.3274	3.3473	2.7070	4.160	23.2527	1.5186	-0.001374
219.	0.	0.72409	3.3274	3.3473	2.7005	4.291	23.2154	1.5188	-0.001178
220.	0.	0.72133	3.3275	3.3473	2.6951	4.423	23.1574	1.5089	-0.001051
221.	0.	0.71853	3.3276	3.3473	2.6897	4.556	23.0949	1.4991	-0.000920
222.	0.	0.71565	3.3276	3.3473	2.6842	4.689	23.0304	1.4892	-0.000785
223.	0.	0.71273	3.3277	3.3473	2.6786	4.828	22.9790	1.4794	-0.000644
	0.				2.6718	4.962		1.4796	-0.000439
224.		0.70957	3.3278	3.3473			22.9442		
225.	0.	0.70663	3.3279	3.3473	2.6665	5.098	22.8889	1.4697	-0.000300
226.	0.	0.70360	3.3280	3.3473	2.6613	5.233	22.8296	1.4598	-0.000159
227.	0.	0.70050	3.3282	3.3473	2.6560	5.369	22.7687	1.4500	-0.000013
228.	0.	0.69735	3.3283	3.3473	2.6507	5.509	22.7226	1.4401	0.000139
229.	0.	0.69400	3.3284	3.3473	2.6442	5.646	22.6946	1.4404	0.000354
230.	0.	0.69092	3.3286	3.3473	2.6390	5.782	22.6447	1.4305	0.000500
231.	0.	0.68779	3.3288	3.3473	2.6337	5.917	22.5901	1.4206	0.000649
232.	0.	0.68461	3.3290	3.3473	2.6284	6.052	22.5337	1.4108	0.000801
233.	0.	0.68136	3.3292	3.3473	2.6230	6.187	22.4763	1.4010	0.000957
234.	0.	0.67809	3.3294	3.3473	2.6175	6.327	22.4342	1.3911	0.001118
235.	0.	0.67462	3.3296	3.3473	2.6108	6.466	22.4110	1.3913	0.001343
236.	0.	0.67141	3.3298	3.3473	2.6055	6.601	22.3644	1.3815	0.001498
		0.66813	3.3301	3.3473			22.3118	1.3717	
237.	0.				2.6003	6.734			0.001656
238.	0.	0.66477	3.3303	3.3473	2.5950	6.866	22.2562	1.3618	0.001818
239.	0.	0.66136	3.3306	3.3473	2.5898	7.001	22.2149	1.3520	0.001985
240.	0.	0.65775	3.3309	3.3473	2.5832	7.136	22.1911	1.3522	0.002216
241.	0.	0.65435	3.3311	3.3473	2.5782	7.263	22.1423	1.3424	0.002380
242.	0.	0.65084	3.3314	3.3473	2.5733	7.380	22.0839	1.3325	0.002547
243.	0.	0.64725	3.3317	3.3473	2.5685	7.494	22.0222	1.3227	0.002718
244.	0.	0.64360	3.3321	3.3473	2.5636	7.611	21.9762	1.3129	0.002895
245.	0.	0.63979	3.3324	3.3473	2.5574	7.727	21.9492	1.3131	0.003134
246.	0.	0.63617	3.3326	3.3473	2.5526	7.834	21.8975	1.3033	0.003306
247.	0.	0.63250	3.3330	3.3473	2.5480	7.937	21.8391	1.2935	0.003481
248.	0.	0.62876	3.3333		2.5434	8.037	21.7776	1.2837	0.003659
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249.	0.	0.62499	3.3337	3.3473	2.5387	8.144	21.7318	1.2738	0.003841
250.	0.	0.62113	3.3341	3.3473	2.5327	8.250	21.7045	1.2741	0.004081
251.	0.	0.61742	3.3344	3.3473	2.5282	8.345	21.6523	1.2643	0.004256
252.	0.	0.61369	3.3348	3.3473	2.5239	8.437	21.5938	1.2544	0.004432
253.	0.	0.60989	3.3351	3.3473	2.5195	8.523	21.5322	1.2446	0.004612
254.	0.	0.60601	3.3355	3.3473	2.5151	8.606	21.4684	1.2348	0.004795
			2.2355						
255.	0.	0.60212	3.3360	3.3473	2.5107	8.694	21.4207	1.2250	0.004982
256.	0.	0.59819	3.3364	3.3473	2.5050	8.783	21.3910	1.2252	0.005224
257.	0.	0.59437	3.3368	3.3473	2.5009	8.858	21.3370	1.2154	0.005404
258.	0.	0.59050	3.3372	3.3473	2.4968	8.925	21.2745	1.2056	0.005584
259.	0.			3.3473	2.4928	8.987	21.2080	1.1958	0.005768
		0.58657	3.3377						
260.	0.	0.58262	3.3381	3.3473	2.4888	9.055	21.1574	1.1860	0.005956

261. 262.	0. 0.	0.57867 0.57485	3.3385 3.3390	3.3473 3.3473	2.4834 2.4796	9.126 9.182	21.1248 21.0671	1.1862 1.1764	0.006196 0.006373
263.	0.	0.57465	3.3394	3.3473	2.4759	9.231	21.0071	1.1666	0.006552
264.	0.	0.56705	3.3399	3.3473	2.4722	9.276	20.9324	1.1567	0.006734
265.	0.	0.56311	3.3403	3.3473	2.4684	9.327	20.8792	1.1469	0.006920
266.	0.	0.55918	3.3407	3.3473	2.4631	9.381	20.8441	1.1472	0.007157
267.	0.	0.55539	3.3412	3.3473	2.4596	9.419	20.7833	1.1373	0.007331
268.	0.	0.55154	3.3416	3.3473	2.4562	9.452	20.7150	1.1275	0.007507
269.	0.	0.54762	3.3421	3.3473	2.4528	9.480	20.6431	1.1177	0.007687
270.	0.	0.54369	3.3425	3.3473	2.4493	9.516	20.5880	1.1079	0.007871
271.	0.	0.53894	3.3430	3.3473	2.4447	9.346	20.2012	1.1081	0.008098
272.	0.	0.53327	3.3448	3.3473	2.4731	8.819	18.8767	0.9272	0.007235
273.	0.	0.51772	3.3496	3.3473	2.4840	8.253	16.8841	0.6966	0.006595
274.	0.	0.45425	3.3588	3.3473	2.5049	7.076	14.9133	0.4710	0.011047
275.	0.	0.33661	3.3733	3.3473	2.5203	5.947	15.3337	0.2473	0.027281
276.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
277.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000

PART 3: WHAFIS

WHAFIS input: CM-124-1.dat WHAFIS output: CM-124-1.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-124-1.dat
Output file: C:\FEMA-TransectAnalysis\LOMR-TransectAnalysis-Harpswell\3_whafis\whafis4\CM-124-1.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 14 WINDVH				
					PART1 INF	PUT				
IE	0.000	-21.564	1.000	1.000	8.983	4.181	3.400	56.140	0.042	0.000
OF OF	1.000	-21.522 -21.481	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	3.000	-21.439	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	4.000	-21.397	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	5.000	-21.355	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	6.000	-21.313	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	7.000	-21.272	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF OF	8.000 9.000	-21.230 -21.188	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	10.000	-21.146	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	11.000	-21.104	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	12.000	-21.062	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	13.000	-21.021	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF OF	14.000	-20.979	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	15.000 16.000	-20.937 -20.895	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	17.000	-20.853	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	18.000	-20.812	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	19.000	-20.770	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	20.000 21.000	-20.728 -20.686	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	22.000	-20.644	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	23.000	-20.602	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	24.000	-20.561	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	25.000	-20.519	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	26.000 27.000	-20.477 -20.435	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	28.000	-20.393	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	29.000	-20.352	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	30.000	-20.310	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	31.000	-20.268	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	32.000 33.000	-20.226 -20.184	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	34.000	-20.142	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	35.000	-20.101	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	36.000	-20.059	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	37.000	-20.017	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	38.000 39.000	-19.975 -19.933	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	40.000	-19.892	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	41.000	-19.850	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	42.000	-19.808	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	43.000	-19.766	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	44.000 45.000	-19.724 -19.683	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	46.000	-19.641	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	47.000	-19.599	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	48.000	-19.557	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	49.000 50.000	-19.515 -19.473	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	51.000	-19.473	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
OF	52.000	-19.390	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	53.000	-19.348	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF	54.000	-19.306	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
OF OF	55.000 56.000	-19.264 -19.220	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.043	0.000
OF	57.000	-19.175	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
OF	58.000	-19.131	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	59.000	-19.087	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	60.000	-19.043	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF OF	61.000 62.000	-18.999 -18.955	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	63.000	-18.910	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
OF	64.000	-18.866	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	65.000	-18.822	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF OF	66.000 67.000	-18.778 -18.734	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	68.000	-18.690	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	69.000	-18.646	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
OF	70.000	-18.601	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
OF	71.000	-18.557	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF OF	72.000 73.000	-18.513 -18.469	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.044	0.000
OF	74.000	-18.425	0.000	8.983	0.000	0.000	0.000	0.000	0.052	0.000
OF	75.000	-18.366	0.000	8.983	0.000	0.000	0.000	0.000	0.065	0.000
OF	76.000	-18.295	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	77.000	-18.225	0.000	8.983	0.000	0.000	0.000	0.000	0.070	0.000
OF OF	78.000 79.000	-18.155 -18.084	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.071 0.071	0.000
OF	80.000	-18.014	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	81.000	-17.944	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	82.000	-17.873	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	83.000	-17.803	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF OF	84.000 85.000	-17.732 -17.662	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.071 0.070	0.000
OF	86.000	-17.592	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	87.000	-17.521	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	88.000	-17.451	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF	89.000	-17.380	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
OF OF	90.000 91.000	-17.310 -17.240	0.000	8.983 8.983	0.000	0.000	0.000	0.000	0.070 0.071	0.000
OF	92.000	-17.169	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000

OF O	93.000 94.000 95.000 96.000 97.000 98.000 99.000 100.000 101.000 102.000 104.000 105.000 106.000 107.000 108.000 109.000	-17.099 -17.029 -16.958 -16.888 -16.817 -16.681 -16.6614 -16.546 -16.478 -16.473 -16.275 -16.207 -16.140 -16.072 -16.004 -15.936	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.070 0.071 0.071 0.071 0.069 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068	0.000 0.000 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	111.000 112.000 113.000 114.000 115.000 116.000 117.000 119.000 120.000 121.000 122.000 123.000 124.000 125.000 126.000 127.000 128.000	-15.868 -15.801 -15.733 -15.665 -15.597 -15.530 -15.327 -15.327 -15.259 -15.191 -15.123 -15.055 -14.988 -14.920 -14.852 -14.784 -14.717	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983 8.983	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068	0.000 0.000 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	129.000 130.000 131.000 132.000 133.000 134.000 135.000 136.000 137.000 138.000 140.000 141.000 142.000 143.000 144.000 145.000	-14.649 -14.581 -14.514 -14.446 -14.378 -14.310 -14.242 -14.175 -14.107 -14.039 -13.972 -13.904 -13.836 -13.768 -13.701 -13.633 -13.565	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068	0.000 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	146.000 147.000 148.000 149.000 150.000 151.000 152.000 154.000 155.000 156.000 157.000 158.000 159.000 160.000 161.000 163.000	-13.497 -13.430 -13.362 -13.294 -13.226 -13.159 -13.091 -13.023 -12.955 -12.888 -12.820 -12.752 -12.684 -12.617 -12.549 -12.481 -12.413 -12.345	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068 0.068	0.000 0.000 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	164.000 165.000 166.000 167.000 168.000 170.000 171.000 172.000 173.000 174.000 175.000 176.000 177.000 179.000 179.000 181.000	-12.278 -12.210 -12.142 -12.104 -12.067 -12.030 -11.993 -11.956 -11.919 -11.845 -11.808 -11.772 -11.735 -11.698 -11.661 -11.624 -11.587	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.068 0.068 0.053 0.038 0.037 0.037 0.037 0.037 0.037 0.036 0.036 0.037 0.037 0.037	0.000 0.000 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	182.000 183.000 184.000 185.000 186.000 187.000 189.000 199.000 191.000 192.000 193.000 194.000	-11.550 -11.513 -11.476 -11.439 -11.402 -11.365 -11.328 -11.291 -11.255 -11.218 -11.181 -11.144 -11.107	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.036 0.036 0.037 0.037	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

OF O	195.000 196.000 197.000 198.000 200.000 201.000 202.000 204.000 205.000 206.000 207.000 208.000 211.000 211.000 212.000 213.000 214.000 214.000 215.000	-11.070 -11.033 -10.996 -10.959 -10.922 -10.885 -10.848 -10.775 -10.738 -10.701 -10.664 -10.627 -10.590 -10.553 -10.479 -10.479 -10.442 -10.368 -10.331 -10.295	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.036 0.036 0.037 0.037 0.037 0.037 0.037 0.037 0.037	0.000 0.000 0.000 0.000 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	217.000 218.000 219.000 220.000 221.000 222.000 223.000 224.000 225.000 227.000 228.000 230.000 231.000 232.000 233.000 234.000 235.000 237.000 237.000 237.000 238.000 237.000 238.000	-10.258 -10.221 -10.184 -10.147 -10.110 -10.073 -10.036 -10.000 -9.963 -9.926 -9.889 -9.852 -9.815 -9.778 -9.741 -9.704 -9.667 -9.630 -9.593 -9.556 -9.519 -9.483	0.000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.037	0.000 0.000 0.000 0.000 0.000 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	240.000 241.000 242.000 243.000 244.000 245.000 246.000 247.000 248.000 250.000 251.000 252.000 253.000 254.000 255.000 255.000 257.000 258.000 258.000 259.000	-9.409 -9.375 -9.342 -9.308 -9.275 -9.242 -9.208 -9.175 -9.139 -9.102 -9.065 -9.031 -8.998 -8.965 -8.933 -8.900 -8.868 -8.835 -8.802 -8.770 -8.737	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.035 0.034 0.033 0.033 0.033 0.033 0.035 0.035 0.036 0.037 0.036 0.034 0.033 0.033 0.033 0.033 0.033 0.033	0.000 0.000 0.000 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	261.000 262.000 263.000 264.000 265.000 267.000 268.000 270.000 271.000 272.000 273.000 274.000 275.000 276.000 277.000 279.000 279.000 279.000 279.000 279.000 279.000 279.000 279.000	-8.705 -8.672 -8.6639 -8.6607 -8.574 -8.5442 -8.5509 -8.476 -8.444 -8.441 -8.379 -8.346 -8.314 -8.281 -8.281 -8.216 -8.183 -8.151 -8.118 -8.085	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.032 0.032 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033	0.000 0.000 0.000 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	282.000 283.000 284.000 285.000 287.000 287.000 289.000 290.000 291.000 292.000 293.000 294.000 295.000	-8.020 -7.988 -7.955 -7.922 -7.890 -7.857 -7.825 -7.792 -7.759 -7.727 -7.694 -7.662 -7.596 -7.564	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033	0.000 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	-7.531 -7.499 -7.466	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.033 0.033 0.033	0.000 0.000 0.000
OF OF OF	300.000 301.000 302.000 303.000	-7.433 -7.401 -7.368 -7.336	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.032 0.033 0.033 0.033	0.000 0.000 0.000 0.000
OF OF OF	304.000 305.000 306.000 307.000	-7.303 -7.270 -7.238 -7.205	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.033	0.000 0.000 0.000 0.000
OF OF	308.000 309.000 310.000	-7.173 -7.140 -7.108	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.033 0.032 0.033	0.000 0.000 0.000
OF OF OF	311.000 312.000 313.000 314.000	-7.075 -7.042 -7.010 -6.977	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.033	0.000 0.000 0.000 0.000
OF OF OF	315.000 316.000 317.000	-6.944 -6.912 -6.879	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.033 0.033 0.032	0.000 0.000 0.000
OF OF OF	318.000 319.000 320.000 321.000	-6.847 -6.814 -6.781 -6.749	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.033	0.000 0.000 0.000 0.000
OF OF	322.000 323.000 324.000	-6.716 -6.684 -6.651	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.033 0.033 0.033	0.000 0.000 0.000
OF OF OF	325.000 326.000 327.000 328.000	-6.618 -6.586 -6.553 -6.521	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.032	0.000 0.000 0.000 0.000
OF OF OF	329.000 330.000 331.000 332.000	-6.488 -6.456 -6.423 -6.390	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.033 0.033 0.033 0.033	0.000 0.000 0.000 0.000
OF OF OF	333.000 334.000 335.000	-6.358 -6.325 -6.293	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.033 0.033 0.033	0.000 0.000 0.000
OF OF OF	336.000 337.000 338.000 339.000	-6.260 -6.225 -6.189 -6.153	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.034 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	340.000 341.000 342.000 343.000	-6.117 -6.081 -6.045 -6.009	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF	344.000 345.000 346.000	-5.973 -5.937 -5.901	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.036 0.036 0.036	0.000 0.000 0.000
OF OF OF	347.000 348.000 349.000 350.000	-5.865 -5.829 -5.792 -5.756	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	351.000 352.000 353.000 354.000	-5.720 -5.684 -5.648 -5.612	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	355.000 356.000 357.000	-5.576 -5.540 -5.504	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.036 0.036 0.036	0.000 0.000 0.000
OF OF OF	358.000 359.000 360.000 361.000	-5.468 -5.432 -5.396 -5.360	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	362.000 363.000 364.000 365.000	-5.324 -5.288 -5.252 -5.216	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	366.000 367.000 368.000 369.000	-5.180 -5.144 -5.108 -5.072	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF	370.000 371.000 372.000	-5.036 -5.000 -4.964	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.036 0.036 0.036	0.000 0.000 0.000
OF OF OF	373.000 374.000 375.000 376.000	-4.928 -4.892 -4.856 -4.820	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	377.000 378.000 379.000 380.000	-4.784 -4.748 -4.712 -4.676	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF	381.000 382.000 383.000 384.000	-4.640 -4.604 -4.568 -4.532	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.036 0.036 0.036 0.036	0.000 0.000 0.000 0.000
OF OF OF OF	385.000 386.000 387.000	-4.496 -4.460 -4.424	0.000 0.000 0.000	8.982 8.982 8.982	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000	0.036 0.036 0.036	0.000 0.000 0.000
OF OF	389.000 390.000 392.000 393.000	-4.352 -4.315 -4.245 -4.211	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000	0.036 0.036 0.035 0.034	0.000 0.000 0.000 0.000
OF OF OF	395.000 396.000 398.000 399.000	-4.143 -4.109 -4.042 -4.007	0.000 0.000 0.000 0.000	8.982 8.982 8.982 8.982	0.000 0.000 0.000 0.000	0.000 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	0.000 0.000 0.000 0.000
OF OF	401.000 402.000 404.000	-3.940 -3.906 -3.838	0.000 0.000 0.000	8.982 8.982 8.982	0.000 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	0.000 0.000 0.000

	OFFOR	405.000 407.000 408.000 410.000 411.000 413.000 414.000 416.000 417.000 419.000 422.000 422.000 423.000 425.000 425.000 591.000 591.000 591.000 751.300 754.600 751.300 764.400 771.000 771.000 771.000 771.000 772.00 803.800 784.100 790.700 791.000 803.800 800.800 781.000 800.800 800.	-3.804 -3.702 -3.634 -3.702 -3.634 -3.634 -3.533 -3.499 -3.329 -3.227 -3.193 -3.227 -3	0.000 0.000	8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.982 8.983 8.983 8.984 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.985 8.986 8.987 8.988 8.989 8.989 8.989 8.989 8.989 8.989 8.989 8.989 8.989 8.989 8.989 8.989 8.990 8.990 8.990 8.990 8.990 8.990 8.900	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 0.000	0.000 0.000	0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.037 0.037 0.037 0.037 0.008	0.000 0.000
IE	END STATION 0.000 END	END ELEVATION -21.564 END	FETCH LENGTH 1.000 NEW SURGE	SURGE ELEV 10-YEAR 1.000 NEW SURGE		INITIAL WAVE HEIGHT 4.181	INITIAL W. PERIOD 3.400	56.140	BOTTOM SLOPE 0.042 BOTTOM	AVERAGE A-ZONES 0.000 AVERAGE	
OF	STATION 1.000 END	ELEVATION -21.522 END	10-YEAR 0.000 NEW SURGE 10-YEAR	100-YEAR 8.983 NEW SURGE	0.000	0.000	0.000	0.000	SLOPE 0.041 BOTTOM	A-ZONES 0.000 AVERAGE	
OF	STATION 2.000 END STATION	ELEVATION -21.481 END ELEVATION	0.000 NEW SURGE 10-YEAR	100-YEAR 8.983 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	3.000 END STATION	-21.439 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.983 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.042 BOTTOM SLOPE	0.000 AVERAGE A-ZONES	
OF	4.000 END STATION	-21.397 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.983 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.042 BOTTOM SLOPE	0.000 AVERAGE A-ZONES	
OF	5.000 END STATION	-21.355 END ELEVATION	0.000 NEW SURGE 10-YEAR	8.983 NEW SURGE 100-YEAR	0.000	0.000	0.000	0.000	0.042 BOTTOM SLOPE	0.000 AVERAGE A-ZONES	
OF	6.000 END STATION 7.000	-21.313 END ELEVATION -21.272	0.000 NEW SURGE 10-YEAR 0.000	8.983 NEW SURGE 100-YEAR 8.983	0.000	0.000	0.000	0.000	0.041 BOTTOM SLOPE 0.041	0.000 AVERAGE A-ZONES 0.000	
OF	END STATION 8.000	END ELEVATION -21.230	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.983	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.042	AVERAGE A-ZONES 0.000	
OF	END STATION 9.000	END ELEVATION -21.188	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.983	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.042	AVERAGE A-ZONES 0.000	
OF	END STATION 10.000	END ELEVATION -21.146	NEW SURGE 10-YEAR 0.000	NEW SURGE 100-YEAR 8.983	0.000	0.000	0.000	0.000	BOTTOM SLOPE 0.042	AVERAGE A-ZONES 0.000	

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	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	11.000	-21.104	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 12.000	ELEVATION -21.062	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.041	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 13.000	ELEVATION -21.021	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.041	A-ZONES 0.000
Or	END	-21.021 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	14.000 END	-20.979 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	15.000 END	-20.937 END	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	STATION	ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	16.000	-20.895	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	17.000	-20.853	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 18.000	ELEVATION -20.812	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.041	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 19.000	ELEVATION -20.770	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.042	A-ZONES 0.000
Or	END	-20.770 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	20.000 END	-20.728 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	21.000 END	-20.686 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	22.000	-20.644	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	23.000	-20.602	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE A-ZONES
OF	STATION 24.000	ELEVATION -20.561	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.041	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 25.000	ELEVATION -20.519	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.042	A-ZONES 0.000
Or	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.17	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	26.000 END	-20.477 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	27.000 END	-20.435 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	28.000	-20.393	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	29.000	-20.352	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	30.000	-20.310	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 31.000	ELEVATION -20.268	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.042	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 32.000	ELEVATION -20.226	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.042	A-ZONES 0.000
Or	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.17		ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	33.000 END	-20.184 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	34.000 END	-20.142 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.041 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	35.000 END	-20.101 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.041 BOTTOM	0.000 AVERAGE
	STATION	END ELEVATION	10-YEAR	100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	36.000	-20.059	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	37.000	-20.017	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	38.000	-19.975	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 39.000	ELEVATION -19.933	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.041	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 40.000	ELEVATION -19.892	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.041	A-ZONES 0.000
OF	40.000 END	-19.892 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0=	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	41.000 END	-19.850 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	42.000 END	-19.808 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	43.000	-19.766	0.000 NEW SURGE	8.983	0.000	0.000	0.000	0.000	0.042 POTTOM	0.000
	END STATION	END ELEVATION	10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	44.000	-19.724	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000

	EMD	END	NEW GIDGE	MEN GIDGE					рошшом	ATTED A CE
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	45.000	-19.683	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	46.000	-19.641	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END	NEW SURGE 10-YEAR	NEW SURGE					BOTTOM SLOPE	AVERAGE
OF	47.000	ELEVATION -19.599	0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	0.042	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	48.000	-19.557	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0 000	0 000	0 000	0 000	SLOPE	A-ZONES
OF	49.000 END	-19.515 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.042 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	50.000	-19.473	0.000	8.983	0.000	0.000	0.000	0.000	0.041	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	51.000 END	-19.432 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.041 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	52.000	-19.390	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	53.000	-19.348	0.000 NEW SURGE	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END STATION	END ELEVATION	10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	54.000	-19.306	0.000	8.983	0.000	0.000	0.000	0.000	0.042	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	55.000	-19.264	0.000	8.983	0.000	0.000	0.000	0.000	0.043	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	56.000	-19.220	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	57.000	-19.175	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 58.000	ELEVATION -19.131	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.044	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	59.000	-19.087	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0 000	0 000	0 000	0 000	SLOPE	A-ZONES
OF	60.000 END	-19.043 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.044 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	61.000	-18.999	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	62.000 END	-18.955 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.045 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	63.000	-18.910	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	64.000	-18.866	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.044	0.000
	END STATION	END ELEVATION	10-YEAR	100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	65.000	-18.822	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	66.000	-18.778	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	67.000	-18.734	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	68.000	-18.690	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	69.000	-18.646	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	70.000	-18.601	0.000	8.983	0.000	0.000	0.000	0.000	0.045	0.000
	END	END	NEW SURGE 10-YEAR	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 71.000	ELEVATION -18.557	0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.044	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	72.000	-18.513	0.000	8.983	0.000	0.000	0.000	0.000	0.044	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 73.000	ELEVATION -18.469	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.044	A-ZONES 0.000
OF	73.000 END	-18.469 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	74.000	-18.425	0.000	8.983	0.000	0.000	0.000	0.000	0.052	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 75.000	ELEVATION -18.366	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.065	A-ZONES 0.000
OF	75.000 END	-18.366 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	76.000	-18.295	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OE.	STATION	ELEVATION	10-YEAR 0.000	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES 0.000
OF	77.000 END	-18.225 END	NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.070 BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	78.000	-18.155	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000

	END STATION	END	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE
OF	79.000	ELEVATION -18.084	0.000	8.983	0.000	0.000	0.000	0.000	0.071	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	80.000 END	-18.014	0.000	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.070	0.000
	STATION	END ELEVATION	NEW SURGE 10-YEAR	100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	81.000	-17.944	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 82.000	ELEVATION -17.873	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.071	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	83.000	-17.803	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	84.000	-17.732	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 85.000	ELEVATION -17.662	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.070	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	86.000 END	-17.592 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.071 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	87.000	-17.521	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 88.000	ELEVATION -17.451	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.071	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	89.000 END	-17.380 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.071 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	90.000	-17.310	0.000	8.983	0.000	0.000	0.000	0.000	0.070	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 91.000	ELEVATION -17.240	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.071	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR		0.000			SLOPE	A-ZONES
OF	92.000 END	-17.169 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.071 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	93.000	-17.099	0.000	8.983	0.000	0.000	0.000	0.000	0.070	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	94.000	-17.029	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000			SLOPE	A-ZONES
OF	95.000 END	-16.958 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.071 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	96.000	-16.888	0.000	8.983	0.000	0.000	0.000	0.000	0.071	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	97.000	-16.817	0.000	8.983	0.000	0.000	0.000	0.000	0.069	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 98.000	ELEVATION -16.749	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	-16.749 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	99.000	-16.681	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	100.000	-16.614	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	101.000	ELEVATION -16.546	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	102.000 END	-16.478 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
		ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	103.000	-16.411	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	104.000	-16.343	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE	-	-	-		BOTTOM	AVERAGE
OF		ELEVATION -16.275	10-YEAR 0.000	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES 0.000
OF	105.000 END	-16.275 END		8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	106.000	-16.207	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	107.000	-16.140	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 108.000	ELEVATION -16.072	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	-16.072 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR				_	SLOPE	A-ZONES
OF	109.000	-16.004	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	10-YEAR	100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	110.000	-15.936	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END	END		NEW SURGE					BOTTOM	AVERAGE
OF	STATION 111.000	ELEVATION -15.868	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE	3.000	000	2.000	000	BOTTOM	AVERAGE
0=		ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0 000	0 000	SLOPE	A-ZONES
OF	112.000	-15.801	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	113.000	-15.733	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 114.000	ELEVATION -15.665	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	115.000 END	-15.597 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	116.000	-15.530	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	117.000	-15.462	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	118.000	-15.394	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 119.000	ELEVATION -15.327	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	120.000 END	-15.259 END	0.000 NEW SURGE	8.983 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	121.000	-15.191	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	122.000	-15.123	0.000	8.983	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE					BOTTOM	AVERAGE
OF	123.000	-15.055	0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 124.000	ELEVATION -14.988	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	-14.900 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	125.000 END	-14.920 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	126.000	-14.852	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	127.000	-14.784	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 128.000	ELEVATION -14.717	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	129.000 END	-14.649 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	130.000 END	-14.581 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	131.000	-14.514	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	132.000	-14.446	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 133.000	ELEVATION -14.378	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 134.000	ELEVATION -14.310	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	-14.310 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
		ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	135.000 END	-14.242 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	136.000	-14.175	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	137.000	-14.107	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	138.000	-14.039	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE			-		BOTTOM	AVERAGE
OF	STATION 139.000	ELEVATION -13.972	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
		ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	140.000 END	-13.904 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	141.000	-13.836	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	142.000	-13.768	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	143.000	-13.701	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 144.000	ELEVATION -13.633	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF.	END	END	NEW SURGE	NEW SURGE	3.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.5	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0 000	SLOPE	A-ZONES
OF	145.000 END	-13.565 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR		0.00-	0.00-	0.00	SLOPE	A-ZONES
OF	146.000	-13.497	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	147.000	-13.430	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 148.000	ELEVATION -13.362	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	149.000 END	-13.294 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	150.000	-13.226	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	151.000	-13.159	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	152.000	-13.091	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 153.000	ELEVATION -13.023	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
OF	END	-13.023 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	154.000 END	-12.955 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	155.000	-12.888	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	156.000	-12.820	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE 10-YEAR	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 157.000	ELEVATION -12.752	0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 158.000	ELEVATION -12.684	10-YEAR 0.000	100-YEAR	0 000	0 000	0 000	0 000	SLOPE	A-ZONES 0.000
OF	END	-12.684 END	NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	159.000 END	-12.617 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	160.000	-12.549	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	161.000	-12.481	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 162.000	ELEVATION -12.413	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.068	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	163.000 END	-12.345 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	164.000 END	-12.278 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.068 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	165.000	-12.210	0.000	8.982	0.000	0.000	0.000	0.000	0.068	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	166.000	-12.142	0.000	8.982	0.000	0.000	0.000	0.000	0.053	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 167.000	ELEVATION -12.104	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.038	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 168.000	ELEVATION -12.067	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
OF	END	-12.067 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
		ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	169.000 END	-12.030 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	170.000	-11.993	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	171.000	-11.956	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	172.000	-11.919	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 173.000	ELEVATION -11.882	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
		ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	174.000 END	-11.845 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	175.000	-11.808	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	176.000	-11.772	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	177.000	-11.735	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 178.000	ELEVATION -11.698	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
Or.	END	END	NEW SURGE	NEW SURGE	3.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.5	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0 000	SLOPE	A-ZONES
OF	179.000 END	-11.661 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR		0 00-	0 00-	0.00	SLOPE	A-ZONES
OF	180.000	-11.624	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	181.000	-11.587	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 182.000	ELEVATION -11.550	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
O1	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES 0.000
OF	183.000 END	-11.513 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	184.000 END	-11.476 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	185.000	-11.439	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	186.000	-11.402	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END	NEW SURGE 10-YEAR	NEW SURGE					BOTTOM	AVERAGE A-ZONES
OF	187.000	ELEVATION -11.365	0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 188.000	ELEVATION -11.328	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 189.000	ELEVATION -11.291	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	-11.291 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	190.000 END	-11.255 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	191.000 END	-11.218 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	192.000	-11.181	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	193.000	-11.144	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 194.000	ELEVATION -11.107	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 195.000	ELEVATION -11.070	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	196.000 END	-11.033 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	197.000 END	-10.996 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	198.000	-10.959	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	199.000	-10.922	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	200.000	-10.885	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 201.000	ELEVATION -10.848	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 202.000	ELEVATION -10.811	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.11		ELEVATION	10-YEAR 0.000	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	203.000 END	-10.775 END		8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	204.000 END	-10.738 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	205.000 END	-10.701 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
		END ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	206.000	-10.664	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	207.000	-10.627	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	208.000	-10.590	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE A-ZONES
OF	STATION 209.000	ELEVATION -10.553	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 210.000	ELEVATION -10.516	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
OF	210.000 END	-10.516 END	NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0=	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	211.000 END	-10.479 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	212.000 END	-10.442 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	213.000 END	-10.405	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
		END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	214.000	-10.368	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	215.000	-10.331	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 216.000	ELEVATION -10.295	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	217.000 END	-10.258 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	218.000	-10.221	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	219.000	-10.184	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	220.000	-10.147	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 221.000	ELEVATION -10.110	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	222.000 END	-10.073 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	223.000	-10.036	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	224.000	-10.000	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 225.000	ELEVATION -9.963	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
O1	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	226.000 END	-9.926 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	227.000 END	-9.889 END	0.000 NEW SURGE	8.982	0.000	0.000	0.000	0.000	0.037	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	A-ZONES
OF	228.000	-9.852	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	229.000	-9.815	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 230.000	ELEVATION -9.778	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
OF	END	-9.776 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	231.000 END	-9.741 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	232.000	-9.704	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	233.000	-9.667	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 234.000	ELEVATION -9.630	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	235.000 END	-9.593 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	236.000 END	-9.556 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.037 BOTTOM	0.000 AVERAGE
		ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	237.000	-9.519	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	238.000	-9.483	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 239.000	ELEVATION -9.446	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.037	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	3.000	0.000	3.000	3.000	BOTTOM	AVERAGE
0.7	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0 000	SLOPE	A-ZONES
OF	240.000 END	-9.409 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.035 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	241.000	-9.375	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	242.000	-9.342	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	243.000	-9.308	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE		-	-		BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR 0.000	100-YEAR	0 000	0 000	0 000	0 000	SLOPE	A-ZONES
OF	244.000 END	-9.275 END	NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	FLEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	245.000 END	-9.242 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	246.000	-9.208	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	247.000	-9.175	0.000	8.982	0.000	0.000	0.000	0.000	0.035	0.000
	END	END		NEW SURGE					BOTTOM	AVERAGE
OF	STATION 248.000	ELEVATION -9.139	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
		- 1 - 2 2	2.000	,02						

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	249.000	-9.102	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 250.000	ELEVATION -9.065	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR		0.000	0.000		SLOPE	A-ZONES
OF	251.000 END	-9.031 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	252.000	-8.998	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	253.000	-8.965	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 254.000	ELEVATION -8.933	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 255.000	ELEVATION -8.900	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
OF	255.000 END	-8.900 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	256.000 END	-8.868 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.032 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	257.000	-8.835	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	258.000	-8.802	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 259.000	ELEVATION -8.770	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.0	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	260.000 END	-8.737 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	261.000 END	-8.705 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	262.000	-8.672	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	263.000	-8.639	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 264.000	ELEVATION -8.607	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.032	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	265.000 END	-8.574 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.032 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	266.000	-8.542	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	267.000	-8.509	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	268.000	-8.476	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 269.000	ELEVATION -8.444	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
		ELEVATION	10-YEAR	100-YEAR		0.000	0.000		SLOPE	A-ZONES
OF	270.000 END	-8.411 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	271.000	-8.379 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033	0.000 AVERAGE
	END STATION	ELEVATION	10-YEAR	100-YEAR					BOTTOM SLOPE	A-ZONES
OF	272.000	-8.346	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	273.000	-8.314	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 274.000	ELEVATION -8.281	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF		ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	275.000 END	-8.248 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	276.000 END	-8.216 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	277.000	-8.183	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	278.000	-8.151	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 279.000	ELEVATION -8.118	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
O1	END	END	NEW SURGE	NEW SURGE	3.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0 000	0 000	SLOPE	A-ZONES
OF	280.000 END	-8.085 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	_				SLOPE	A-ZONES
OF	281.000 END	-8.053 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	282.000	-8.020	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000

	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	283.000	-7.988	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 284.000	ELEVATION -7.955	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
Or	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	285.000 END	-7.922 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	286.000	-7.890	0.000 NEW SURGE	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	287.000	-7.857	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	288.000	-7.825	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 289.000	ELEVATION -7.792	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 290.000	ELEVATION -7.759	10-YEAR 0.000	100-YEAR 8.982	0 000	0.000	0.000	0 000	SLOPE 0.033	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	291.000 END	-7.727 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	292.000	-7.694	0.000	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.032 BOTTOM	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	100-YEAR					SLOPE	AVERAGE A-ZONES
OF	293.000	-7.662	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	294.000	-7.629	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 295.000	ELEVATION -7.596	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 296.000	ELEVATION -7.564	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
Or	END	-7.564 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	297.000 END	-7.531 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	298.000	-7.499	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	299.000	-7.466	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	300.000	-7.433	0.000	8.982	0.000	0.000	0.000	0.000	0.032	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 301.000	ELEVATION -7.401	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 302.000	ELEVATION -7.368	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
OF	END	-7.300 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	303.000 END	-7.336 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	304.000 END	-7.303 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	305.000	-7.270	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	306.000	-7.238	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	307.000	-7.205	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 308.000	ELEVATION -7.173	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 309.000	ELEVATION -7.140	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.032	A-ZONES 0.000
Or	END	-7.140 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.7	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	310.000 END	-7.108 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	311.000 END	-7.075 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	312.000	-7.042	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	313.000	-7.010	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	314.000	-6.977	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 315.000	ELEVATION -6.944	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE	2.230				BOTTOM	AVERAGE
OF	STATION 316.000	ELEVATION -6.912	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
OF	J±0.000	-0.912	0.000	0.902	0.000	0.000	0.000	0.000	0.033	0.000

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	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	317.000	-6.879	0.000	8.982	0.000	0.000	0.000	0.000	0.032	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 318.000	ELEVATION -6.847	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
Or	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	319.000 END	-6.814 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	320.000	-6.781	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	321.000	-6.749	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 322.000	ELEVATION -6.716	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
Or	END	-0.710 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	323.000 END	-6.684 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	324.000	-6.651	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	325.000	-6.618	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 326.000	ELEVATION -6.586	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	327.000 END	-6.553 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	328.000	-6.521	0.000	8.982	0.000	0.000	0.000	0.000	0.032	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	329.000	-6.488	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 330.000	ELEVATION -6.456	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.033	A-ZONES 0.000
Or	END	-0.450 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	331.000 END	-6.423 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	332.000	-6.390	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	333.000	-6.358	0.000	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR 0.000	100-YEAR	0 000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	334.000 END	-6.325 END	NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.033 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	335.000	-6.293	0.000 NEW SURGE	8.982	0.000	0.000	0.000	0.000	0.033	0.000
	END STATION	END ELEVATION	10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	336.000	-6.260	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	337.000	-6.225	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 338.000	ELEVATION -6.189	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
Or	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	339.000 END	-6.153 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	340.000	-6.117	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	341.000	-6.081	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 342.000	ELEVATION -6.045	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
Or	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	343.000 END	-6.009 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	344.000	-5.973	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	345.000	-5.937	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 346.000	ELEVATION -5.901	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OI.	END	END	NEW SURGE	NEW SURGE	5.000	5.000	5.000	5.000	BOTTOM	AVERAGE
0=	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	347.000 END	-5.865 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	348.000	-5.829	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	349.000	-5.792	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 350.000	ELEVATION -5.756	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
01	220.000	5.750	0.000	0.702	3.000	0.000	0.000	3.000	3.030	0.000

	EMD	EMD	NEW GUDGE	NEW GIDGE					рошшом	ALIED A CE
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	351.000	-5.720	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	352.000	-5.684	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 353.000	ELEVATION -5.648	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	354.000 END	-5.612 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	355.000 END	-5.576 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	356.000	-5.540	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	357.000	-5.504	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	358.000	ELEVATION -5.468	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 359.000	ELEVATION -5.432	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.11	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	360.000 END	-5.396 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	361.000 END	-5.360 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	362.000	-5.324	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	363.000	-5.288	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	364.000	-5.252	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 365.000	ELEVATION -5.216	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 366.000	ELEVATION -5.180	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	-5.16U END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	367.000 END	-5.144 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	368.000 END	-5.108 END	0.000 NEW SURGE	8.982	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	NEW SURGE 100-YEAR					SLOPE	A-ZONES
OF	369.000	-5.072	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	370.000	-5.036	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	371.000	-5.000	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 372.000	ELEVATION -4.964	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 373.000	ELEVATION -4.928	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
O1	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	374.000 END	-4.892 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
0.7	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
OF	375.000 END	-4.856 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	376.000 END	-4.820 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	377.000	-4.784	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	378.000	-4.748	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	379.000	-4.712	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM SLOPE	AVERAGE
OF	STATION 380.000	ELEVATION -4.676	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	0.036	A-ZONES 0.000
-	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 381.000	ELEVATION -4.640	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OI.	END	END	NEW SURGE	NEW SURGE	3.000	0.000	5.000	0.000	BOTTOM	AVERAGE
OFF	STATION	ELEVATION	10-YEAR	100-YEAR	0 000	0 000	0 000	0 000	SLOPE	A-ZONES
OF	382.000 END	-4.604 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR		0.00-	0.00-	0.00	SLOPE	A-ZONES
OF	383.000 END	-4.568 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	384.000	-4.532	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000

	EMD	EMD	NEW GUDGE	NEW GIDGE					рошшом	ALTEDACE
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	385.000	-4.496	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	386.000	-4.460	0.000	8.982	0.000	0.000	0.000	0.000	0.036	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 387.000	ELEVATION -4.424	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.036	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
0.0	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
OF	389.000 END	-4.352 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	390.000 END	-4.315 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.036 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	392.000	-4.245	0.000	8.982	0.000	0.000	0.000	0.000	0.035	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	393.000	-4.211	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	395.000	-4.143	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 396.000	ELEVATION -4.109	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 398.000	ELEVATION -4.042	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
OF	END	-4.042 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	399.000 END	-4.007 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	401.000 END	-3.940 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	402.000	-3.906	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	404.000	-3.838	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	405.000	-3.804	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 407.000	ELEVATION -3.736	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 408.000	ELEVATION -3.702	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
OF	END	-3.702 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	410.000 END	-3.634 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	411.000 END	-3.600 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	413.000	-3.533	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	414.000	-3.499	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	416.000	-3.431	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 417.000	ELEVATION -3.397	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
OF	STATION 419.000	ELEVATION -3.329	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
01	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
OF	STATION 420.000	ELEVATION -3.295	10-YEAR 0.000	100-YEAR 8.982	0.000	0.000	0.000	0.000	SLOPE 0.034	A-ZONES 0.000
OF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000				SLOPE	A-ZONES
OF	422.000 END	-3.227 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	423.000 END	-3.193 END	0.000 NEW SURGE	8.982 NEW SURGE	0.000	0.000	0.000	0.000	0.034 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
OF	425.000	-3.125	0.000	8.982	0.000	0.000	0.000	0.000	0.034	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
OF	426.000	-3.091	0.000	8.982	0.000	0.000	0.000	0.000	0.037	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	591.000	2.950	0.000	8.981	0.000	0.000	0.000	0.000	0.037	0.000
	END	END	NEW SURGE	NEW SURGE			-		BOTTOM	AVERAGE
IF	STATION 592.000	ELEVATION 2.983	10-YEAR 0.000	100-YEAR 8.981	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE	3.550	000	2.000		BOTTOM	AVERAGE
IF	STATION 748.000	ELEVATION 4.247	10-YEAR 0.000	100-YEAR 8.983	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
TL	748.000 END	4.247 END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
IF	751.300 END	4.273 END	0.000 NEW SURGE	8.984 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
_	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	754.600	4.300	0.000	8.984	0.000	0.000	0.000	0.000	0.008	0.000

	EMD	EMD	NEW GUDGE	NEW GIDGE					рошшом	ALIEDA CE
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	757.900	4.326	0.000	8.985	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	761.200	4.353	0.000	8.985	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION 764.400	ELEVATION 4.380	10-YEAR 0.000	100-YEAR 8.986	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
TL	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
IF	767.700 END	4.406 END	0.000 NEW SURGE	8.986 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	771.000 END	4.433 END	0.000 NEW SURGE	8.987 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	774.300	4.459	0.000	8.987	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	777.600	4.486	0.000	8.988	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM SLOPE	AVERAGE
IF	STATION 780.800	ELEVATION 4.513	10-YEAR 0.000	100-YEAR 8.988	0.000	0.000	0.000	0.000	0.008	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION 784.100	ELEVATION 4.539	10-YEAR 0.000	100-YEAR 8.989	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
TL	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0.000	0.000	0.000	SLOPE	A-ZONES
IF	787.400 END	4.566 END	0.000 NEW SURGE	8.990 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	790.700 END	4.592 END	0.000 NEW SURGE	8.990 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	794.000	4.619	0.000	8.991	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	797.200	4.646	0.000	8.991	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	800.500	4.672	0.000	8.992	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION 803.800	ELEVATION 4.699	10-YEAR 0.000	100-YEAR 8.993	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
IF	STATION 807.100	ELEVATION 4.725	10-YEAR 0.000	100-YEAR 8.993	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
IF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	810.400 END	4.752 END	0.000 NEW SURGE	8.994 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	813.600 END	4.778 END	0.000 NEW SURGE	8.995 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	816.900	4.805	0.000	8.995	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	820.200	4.832	0.000	8.996	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	823.500	ELEVATION 4.858	0.000	8.997	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION 826.800	ELEVATION 4.885	10-YEAR 0.000	100-YEAR 8.997	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
IF	STATION 830.100	ELEVATION 4.911	10-YEAR 0.000	100-YEAR 8.998	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
IF	END	END	NEW SURGE	NEW SURGE	0.000	0.000	0.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	833.300 END	4.938 END	0.000 NEW SURGE	8.998 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
_	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	836.600 END	4.964 END	0.000 NEW SURGE	8.999 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	839.900	4.991	0.000	9.000	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	843.200	5.018	0.000	9.000	0.000	0.000	0.000	0.000	0.008	0.000
	END STATION	END ELEVATION	NEW SURGE 10-YEAR	NEW SURGE 100-YEAR					BOTTOM SLOPE	AVERAGE A-ZONES
IF	846.500	5.044	0.000	9.001	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION 849.700	ELEVATION 5.071	10-YEAR 0.000	100-YEAR 9.002	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
-	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
IF	STATION 853.000	ELEVATION 5.097	10-YEAR 0.000	100-YEAR 9.002	0.000	0.000	0.000	0.000	SLOPE 0.008	A-ZONES 0.000
T.T.	END	END	NEW SURGE	NEW SURGE	3.000	0.000	5.000	0.000	BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR	0.000	0 000	0.000	0 000	SLOPE	A-ZONES
IF	856.300 END	5.124 END	0.000 NEW SURGE	9.003 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
_	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	859.600 END	5.150 END	0.000 NEW SURGE	9.003 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000 AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	862.900	5.177 END	0.000 NEW SURGE	9.004 NEW SURGE	0.000	0.000	0.000	0.000	0.008 BOTTOM	0.000
	END STATION	END ELEVATION	10-YEAR	100-YEAR					SLOPE	AVERAGE A-ZONES
IF	866.100	5.204	0.000	9.005	0.000	0.000	0.000	0.000	0.008	0.000

	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	869.400	5.230	0.000	9.005	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	872.700	5.257	0.000	9.006	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	876.000	5.283	0.000	9.007	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	879.300	5.310	0.000	9.007	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	882.500	5.337	0.000	9.008	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	885.800	5.363	0.000	9.008	0.000	0.000	0.000	0.000	0.008	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	889.100	5.390	0.000	9.009	0.000	0.000	0.000	0.000	0.090	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	892.400	5.954	0.000	9.006	0.000	0.000	0.000	0.000	0.201	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	895.700	6.719	0.000	9.004	0.000	0.000	0.000	0.000	0.235	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	898.900	7.485	0.000	9.019	0.000	0.000	0.000	0.000	0.235	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	902.200	8.250	0.000	9.072	0.000	0.000	0.000	0.000	0.231	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	903.500	8.547	0.000	9.072	0.000	0.000	0.000	0.000	0.257	0.000
	END	END	NEW SURGE	NEW SURGE					BOTTOM	AVERAGE
	STATION	ELEVATION	10-YEAR	100-YEAR					SLOPE	A-ZONES
IF	905.400	9.072	0.000	9.072	0.000 -END OF TRANS	0.000	0.000	0.000	0.276	0.000
					-END OF TRANS	ECT				
MOTE:										

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

	PART2:	CONTROLLING WAV		CTRAL EST ELEVATIONS
LOC	CATION	CONTROLLING	SPECTRAL PEAK	WAVE CREST
IE	0.00	WAVE HEIGHT 4.18	WAVE PERIOD 3.40	ELEVATION 11.91
OF	1.00	4.18	3.40	11.91
OF	2.00	4.18	3.40	11.91
OF	3.00	4.18	3.40	11.91
OF	4.00	4.18	3.40	11.91
OF	5.00	4.18	3.40	11.91
OF	6.00	4.18	3.40	11.91
OF	7.00	4.18	3.40	11.91
OF	8.00	4.18 4.18	3.40	11.91 11.91
OF OF	9.00 10.00	4.18	3.40 3.40	11.91
OF	11.00	4.18	3.40	11.91
OF	12.00	4.18	3.40	11.91
OF	13.00	4.18	3.40	11.91
OF	14.00	4.18	3.40	11.91
OF	15.00	4.18	3.40	11.91
OF	16.00	4.18	3.40	11.91
OF	17.00	4.18	3.40	11.91
OF	18.00	4.18	3.40	11.91
OF	19.00	4.18	3.40	11.91
OF	20.00 21.00	4.18 4.18	3.40 3.40	11.91 11.91
OF OF	22.00	4.18	3.40	11.91
OF	23.00	4.18	3.40	11.91
OF	24.00	4.18	3.40	11.91
OF	25.00	4.18	3.40	11.91
OF	26.00	4.18	3.40	11.91
OF	27.00	4.18	3.40	11.91
OF	28.00	4.18	3.40	11.91
OF	29.00	4.18	3.40	11.91
OF	30.00 31.00	4.18 4.18	3.40 3.40	11.91 11.91
OF OF	32.00	4.18	3.40	11.91
OF	33.00	4.18	3.40	11.91
OF	34.00	4.18	3.40	11.91
OF	35.00	4.18	3.40	11.91
OF	36.00	4.18	3.40	11.91
OF	37.00	4.18	3.40	11.91
OF	38.00	4.19	3.40	11.91
OF	39.00	4.19	3.40	11.91
OF OF	40.00 41.00	4.19 4.19	3.40 3.40	11.91 11.91
OF	42.00	4.19	3.40	11.91
OF	43.00	4.19	3.40	11.91
OF	44.00	4.19	3.40	11.91
OF	45.00	4.19	3.40	11.91
OF	46.00	4.19	3.40	11.91
OF	47.00	4.19	3.40	11.91
OF	48.00	4.19	3.40	11.91
OF	49.00	4.19	3.40	11.91
OF OF	50.00 51.00	4.19 4.19	3.40 3.40	11.91 11.91
OF	52.00	4.19	3.40	11.91
OF	53.00	4.19	3.40	11.91
OF	54.00	4.19	3.40	11.91

OF 55.00 OF 56.00 OF 56.00 OF 57.00 OF 58.00 OF 59.00 OF 60.00 OF 61.00 OF 62.00 OF 62.00 OF 63.00 OF 64.00 OF 65.00 OF 67.00 OF 67.00 OF 70.00 OF 80.00 OF 80.00 OF 80.00 OF 80.00 OF 90.00 OF 100.00 OF 100	4.19 4.19 4.19 4.19 4.19 4.19 4.19 4.19	3.40 3.40 3.40 3.40 3.40 3.40 3.40 3.40	11.91 11.90 11.89 11.89
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OF 224.00 4.09 3.42 11.0 OF 225.00 4.09 3.42 11.0 OF 226.00 4.09 3.42 11.0 OF 227.00 4.09 3.42 11.0 OF 228.00 4.09 3.42 11.0 OF 229.00 4.09 3.42 11.0 OF 231.00 4.09 3.42 11.0 OF 231.00 4.09 3.42 11.0 OF 233.00 4.09 3.42 11.0 OF 233.00 4.09 3.42 11.0 OF 233.00 4.09 3.42 11.0	OF 225.00 4.09 3.42 11.8 OF 226.00 4.09 3.42 11.8 OF 227.00 4.09 3.42 11.8 OF 228.00 4.09 3.42 11.8 OF 229.00 4.09 3.42 11.8 OF 231.00 4.09 3.42 11.8 OF 232.00 4.09 3.42 11.8 OF 233.00 4.09 3.42 11.8 OF 234.00 4.09 3.42 11.8
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OF	259.00	4.07	3.42	11.83
OF	260.00	4.07	3.42	11.83
OF	261.00	4.07	3.42	11.83
OF	262.00	4.07	3.42	11.83
OF	263.00	4.07	3.42	11.83
OF	264.00	4.07	3.42	11.83
OF	265.00	4.07	3.42	11.83
OF	266.00	4.07	3.42	11.83
OF	267.00	4.07	3.42	11.83
OF	268.00	4.07	3.42	11.83
OF	269.00	4.07	3.42	11.83
OF	270.00	4.07	3.42	11.83
OF	271.00	4.07	3.42	11.83
OF	272.00	4.07	3.42	11.83
OF	273.00	4.06	3.42 3.42	11.83
OF	274.00 275.00	4.06 4.06	3.42	11.83 11.83
OF OF	276.00	4.06	3.42	11.83
OF	277.00	4.06	3.42	11.83
OF	278.00	4.06	3.42	11.83
OF	279.00	4.06	3.42	11.82
OF	280.00	4.06	3.42	11.82
OF	281.00	4.06	3.42	11.82
OF	282.00	4.06	3.42	11.82
OF	283.00	4.06	3.42	11.82
OF	284.00	4.06	3.42	11.82
OF	285.00	4.06	3.42 3.42	11.82
OF OF	286.00 287.00	4.06 4.06	3.42	11.82 11.82
OF	288.00	4.06	3.42	11.82
OF	289.00	4.06	3.42	11.82
OF	290.00	4.05	3.42	11.82
OF	291.00	4.05	3.42	11.82
OF	292.00	4.05	3.42	11.82
OF	293.00	4.05	3.42	11.82
OF	294.00	4.05	3.42	11.82
OF	295.00	4.05	3.42	11.82
OF	296.00	4.05	3.42	11.82
OF	297.00	4.05	3.42	11.82
OF	298.00	4.05	3.42	11.82
OF	299.00	4.05 4.05	3.42 3.42	11.82 11.82
OF OF	300.00 301.00	4.05	3.42	11.82
OF	302.00	4.05	3.42	11.82
OF	303.00	4.05	3.42	11.81
OF	304.00	4.05	3.42	11.81
OF	305.00	4.05	3.42	11.81
OF	306.00	4.04	3.42	11.81
OF	307.00	4.04	3.42	11.81
OF	308.00	4.04	3.42	11.81
OF	309.00	4.04	3.42	11.81
OF	310.00	4.04	3.42	11.81
OF	311.00 312.00	4.04 4.04	3.42 3.42	11.81 11.81
OF OF	313.00	4.04	3.42	11.81
OF	314.00	4.04	3.42	11.81
OF	315.00	4.04	3.42	11.81
OF	316.00	4.04	3.42	11.81
OF	317.00	4.04	3.42	11.81
OF	318.00	4.04	3.42	11.81
OF	319.00	4.04	3.42	11.81
OF	320.00	4.04	3.42	11.81
OF OF	321.00 322.00	4.04 4.03	3.42 3.42	11.81 11.81
OF	323.00	4.03	3.42	11.81
OF	324.00	4.03	3.42	11.81
OF	325.00	4.03	3.42	11.81
OF	326.00	4.03	3.42	11.80
OF	327.00	4.03	3.42	11.80
OF	328.00	4.03	3.43	11.80
OF	329.00 330.00	4.03 4.03	3.43 3.43	11.80 11.80
OF OF	331.00	4.03	3.43	11.80
OF	332.00	4.03	3.43	11.80
OF	333.00	4.03	3.43	11.80
OF	334.00	4.03	3.43	11.80
OF	335.00	4.03	3.43	11.80
OF	336.00	4.03	3.43	11.80
OF	337.00	4.03	3.43	11.80
OF	338.00	4.02 4.02	3.43 3.43	11.80 11.80
OF OF	339.00 340.00	4.02	3.43	11.80
OF	341.00	4.02	3.43	11.80
OF	342.00	4.02	3.43	11.80
OF	343.00	4.02	3.43	11.80
OF	344.00	4.02	3.43	11.80
OF	345.00	4.02	3.43	11.80
OF	346.00	4.02	3.43	11.80
OF	347.00	4.02	3.43	11.80
OF	348.00 349.00	4.02	3.43 3.43	11.79 11.79
OF	350.00	4.02 4.02	3.43	11.79 11.79
OF OF	351.00	4.02	3.43	11.79
OF	352.00	4.02	3.43	11.79
OF	353.00	4.01	3.43	11.79
OF	354.00	4.01	3.43	11.79
OF	355.00	4.01	3.43	11.79
OF	356.00	4.01	3.43	11.79
OF	357.00	4.01	3.43	11.79
OF OF	358.00 359.00	4.01 4.01	3.43 3.43	11.79 11.79
OF	360.00	4.01	3.43	11.79
91	550.00	1.01	5.15	11.10

OFFORE OF OFFORE OF OFFORE OFF	361.00 362.00 363.00 364.00 365.00 366.00 367.00 368.00 370.00 371.00 372.00 373.00 375.00 376.00 377.00 378.00 379.00 381.00 382.00 388.00 389.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 381.00 382.00 382.00 383.00 384.00 385.00 386.00 387.00 387.00 387.00 389.00 399.00 401.00 40	4.01 4.01 4.01 4.01 4.01 4.00 3.99 3.98 3.99	3. 43 3. 44 45 46 46 46 46 46 46 46 46 46 46 46 46 46	11.79 11.79 11.79 11.79 11.79 11.79 11.79 11.78 11.77
IF	869.40	2.68	3.46	10.88
IF	872.70	2.66	3.46	10.87

IF 895.70 IF 898.90 IF 902.20 IF 903.50 IF 905.40 PART3 LOCATION OF NO AREAS ABOVE 10		THIS TRANSECT	10.18 9.82 9.51 9.35 9.08
STATION 125.00 591.00 748.00 751.30 757.90 764.40 771.00 777.60 784.10 787.40 794.00 800.50 803.80 810.40 813.60 820.20 823.50 830.10 836.60 839.90 846.50 849.70 856.30 862.90 866.10 872.70 876.00 882.50 889.10 892.40 895.70 898.90 902.20 PA	10-YEAR SURGE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	100-YE 8. 8. 8. 8. 8. 8. 8. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	98 98 98 98 99 99 99 99 99 99 99 99 90 00 00 00 00
STATION OF GUTTER	NUMBERED A ZONE: ELEVATION ZO		FHF
0.00	11.91	V22 EL=12	120
124.00	11.90	V22 EL=12	120
125.00 426.00	11.90 11.77	V22 EL=12	120
591.00	11.77	V22 EL=12	120
592.00	11.73	V22 EL=12	120
675.85	11.50	V22 EL=12	120
748.00	11.27	V22 EL=11	120
	11.26	V22 EL=11	120
751.30 754.60	11.25	V22 EL=11	120
757.90	11.24	V22 EL=11	120
761.20	11.23	V22 EL=11	120
764.40	11.22	V22 EL=11	120
767.70	11.21	V22 EL=11	120
771.00	11.20	V22 EL=11	120
774.30	11.19	V22 EL=11	120
777.60	11.19	V22 EL=11	120
		V22 EL=11	120
780.80	11.17	V22 EL=11	120
784.10	11.16	V22 EL=11	120
787.40	11.15	V22 EL=11	120
790.70	11.14	V22 EL=11	120
794.00	11.13	V22 EL=11	120
797.20	11.12	V22 EL=11	120
800.50	11.11	V22 EL=11	120
803.80	11.09	V22 EL=11	120
804.38	11.09	A20 EL=11	100
807.10	11.08	A20 EL=11	100
810.40	11.07		

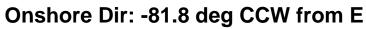
012 60	11 06	A20	EL=11	100
813.60 816.90	11.06	A20	EL=11	100
	11.05	A20	EL=11	100
820.20	11.04	A20	EL=11	100
823.50	11.03	A20	EL=11	100
826.80	11.02	A20	EL=11	100
830.10	11.01	A20	EL=11	100
833.30	11.00	A20	EL=11	100
836.60	10.99	A20	EL=11	100
839.90	10.98	A20	EL=11	100
843.20	10.97	A20	EL=11	100
846.50	10.96	A20	EL=11	100
849.70	10.94	A20	EL=11	100
853.00	10.93	A20	EL=11	100
856.30	10.92	A20	EL=11	100
859.60	10.91	A20	EL=11	100
862.90	10.90	A20	EL=11	100
866.10	10.89	A20	EL=11	100
869.40	10.88	A20	EL=11	100
872.70	10.87	A20	EL=11	100
876.00	10.86	A20	EL=11	100
879.30	10.85	A20	EL=11	100
882.50	10.83	A20	EL=11	100
885.80	10.82	A20	EL=11	100
889.10	10.81	A20	EL=11	100
892.40	10.55	A20	EL=11	100
892.84	10.50	A20	EL=10	100
895.70	10.18	A20	EL=10	100
898.90	9.82	A20		100
902.20	9.51	A20		100
902.30	9.50	A20	EL= 9	
905 40	9 08			

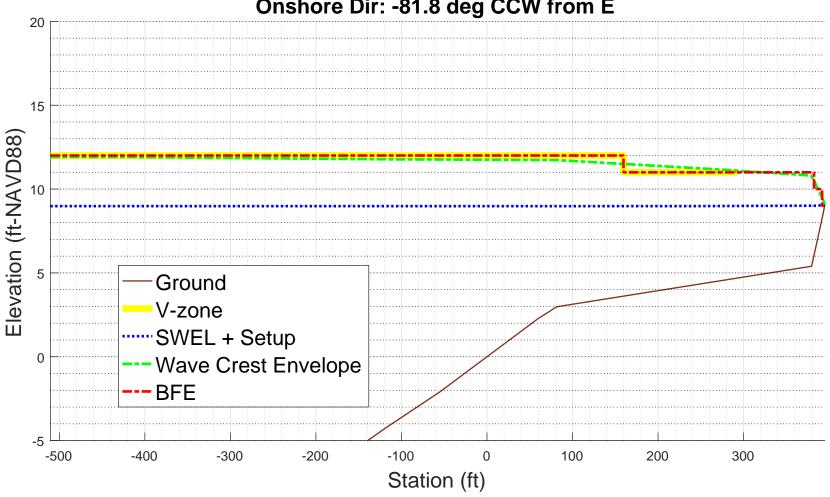
905.40 9.08

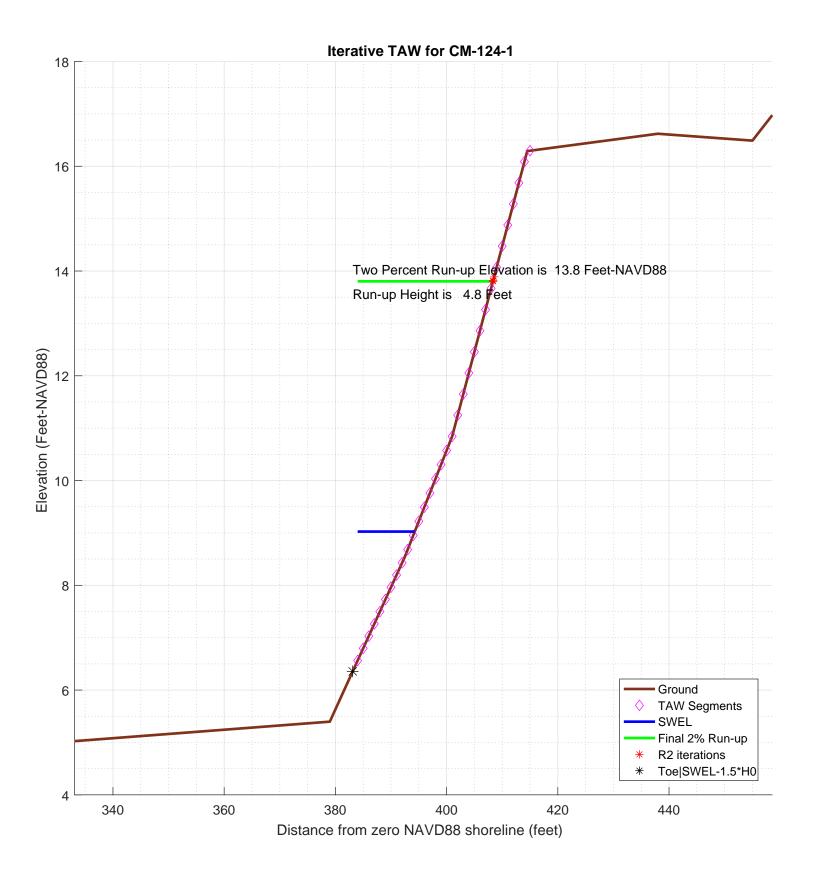
ZONE TERMINATED AT END OF TRANSECT PART 7 POSTSCRIPT NOTES

PS# 1 START(418537.5119,4848490.095)
PS# 2 END(418596.5287,4848082.7142)

CM-124-1 **100-year WHAFIS Output** Zero Station: -70.01211781, 43.78360151







```
% begin recording
diary on
% FEMA appeal for The Town of Harpswell, Cumberland county, Maine
% TRANSECT ID: CM-124-1
% 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
fname='inpfiles/CM-124-1sta_ele_include.csv'; % file with station, elevation, include
                                            % third column is 0 for excluded points
imgname='logfiles/CM-124-1-runup';
SWEL=8.9825; % 100-yr still water level including wave setup. H0=1.7682; % significant wave height at toe of structure
Tp=3.343;
               % peak period, 1/fma,
T0=Tp/1.1;
gamma_berm=1;
                  % this may get changed automatically below
gamma_rough=1;
gamma_beta=1;
gamma_perm=1;
setupAtToe=0.026568;
maxSetup=0.089504;
                       % only used in case of berm/shallow foreshore weighted average
plotTitle='Iterative TAW for CM-124-1'
plotTitle =
Iterative TAW for CM-124-1
% END CONFIG
              ______
SWEL=SWEL+setupAtToe
SWEL =
                     9.009068
SWEL fore=SWEL+maxSetup
SWEL fore =
                     9.098572
% FIND WAVELENGTH USING DEEPWATER DISPERSION RELATION
% using English units
L0=32.15/(2*pi)*T0^2
T<sub>1</sub>O =
           47.2594313608359
% Find Hb (Munk, 1949)
%Hb=H0/(3.3*(H0/L0)^(1/3))
%Db=-Hb/.78+SWEL; % depth at breaking
% The toe elevation here is only used to determine the average
% structure slope, it is not used to depth limit the wave height.
% Any depth limiting or other modification of the wave height
```

```
% to make it consitent with TAW guidance should be performed
% prior to the input of the significant wave height given above.
Ztoe=SWEL-1.5*H0
Ztoe =
                  6.356768
% 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 =
                 11.661368
% 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 =
          383.113881459383
top_sta =
          403.028129353382
% 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)
% just so the reader can tell the values aren't -999 anymore
top sta
top_sta =
          403.028129353382
toe_sta
toe sta =
          383.113881459383
% 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')
```

```
setup is adjusted to %4.2f feet', setup)
   sprintf('-!!-
   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 <math>4.2f feet above the elevation of SWEL-1.5H0\n', dep(1) = 1.5H0
   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 15.5 ft landward of toe of slope
-!!- Setup is interpolated between setup at toe of slope and max setup
ans =
-!!-
            setup is adjusted to 0.04 feet
ans =
            SWEL is adjusted to 9.03 feet
-!!-
k =
     1
     2
     3
     4
     5
% now iterate converge on a runup elevation
tol=0.01; % convergence criteria R2del=999;
R2_new=3*H0; %initial guess
R2=R2_new;
iter=0;
R2_all=[];
topStaAll=[];
Berm_Segs=[];
TAW_ALWAYS_VALID=1;
\overline{\text{while}}(abs(\overline{\text{R2del}}) > \text{tol \&\& iter} <= 25)
    iter=iter+1;
    sprintf ('!------ STARTING ITERATION %d -----!',iter)
    % elevation of toe of slope
    Ztoe
    % station of toe slope (relative to 0-NAVD88 shoreline
    toe sta
    % station of top of slope/extent of 2% run-up
    top sta
    % elevation of top of slope/extent of 2% run-up
    Z_2
    % incident significant wave height
    НΟ
    % incident spectral peak wave period
    Тp
    % incident spectral mean wave period
    Т0
    R2=R2_new
    Z2=R2+SWEL
    % determine slope for this iteration
    top_sta=-999;
    for kk=1:length(sta)-1
                                                    % here is the intersection of z2 with profile
        if ((Z2 > dep(kk)) & (Z2 <= dep(kk+1)))
           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;
      (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)
   if (s < 1/15)
      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 \le R2 \& dh \ge -2*H0)
         rdh=(0.5-0.5*cos(3.14159*dh/chi));
      else
         rdh=1;
      end
      rdh_sum=rdh_sum + rdh * dsta
      Berm_Segs=[Berm_Segs, kk];
      Berm_Heights=[Berm_Heights, (dep(kk)+dep(kk+1))/2];
   end
   if dep(kk) >= Z2 % jump out of loop if we reached limit of run-up for this iteration
      break
   end
end
sprintf ('!----- End Berm Factor Calculation, Iter: %d -----!',iter)
berm width
rB=berm_width/Lslope
if (berm_width > 0)
   rdh_mean=rdh_sum/berm_width
else
   rdh_mean=1
end
gamma_berm=1- rB * (1-rdh_mean)
if gamma_berm > 1
   gamma_berm=1
end
if gamma_berm < 0.6
   gamma_berm =0.6
end
% Iribarren number
slope=(Z2-Ztoe)/(Lslope-berm_width)
Irb=(slope/(sqrt(H0/L0)))
% runup height
gamma_berm
gamma_perm
gamma_beta
gamma rough
gamma=gamma_berm*gamma_perm*gamma_beta*gamma_rough
% check validity
TAW_VALID=1;
if (Irb*gamma_berm < 0.5 | Irb*gamma_berm > 10 )
   sprintf('!!! - - Iribaren number: %6.2f is outside the valid range (0.5-10), TAW NOT VALID - - !!!\n', Irb*gam
   TAW_VALID=0;
else
   sprintf('!!! - - Iribaren number: %6.2f is in the valid range (0.5-10), TAW RECOMMENDED - - !!!\n', Irb*gamma_
end
islope=1/slope;
if (slope < 1/8 | slope > 1) sprintf('!!! - - slope: 1:%3.1f V:H is outside the valid range (1:8 - 1:1), TAW NOT VALID - - !!!\n', islope)
else
   sprintf('!!! - - slope: 1:%3.1f V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!\n', islope)
end
if TAW_VALID == 0
   TAW_ALWAYS_VALID=0;
end
if (Irb*gamma_berm < 1.8)</pre>
   R2_new=gamma*H0*1.77*Irb
else
   R2_new=gamma*H0*(4.3-(1.6/sqrt(Irb)))
end
% check to see if we need to evaluate a shallow foreshore
if berm_width > 0.25 * L0;
   disp ('! Berm_width is greater than 1/4 wave length')
   disp ('!
              Runup will be weighted average with foreshore calculation assuming depth limited wave height on ber
   % do the foreshore calculation
```

```
fore_H0=0.78*(SWEL_fore-min(Berm_Heights))
       % get upper slope
       fore_toe_sta=-999;
       fore_toe_dep=-999;
       for kk=length(dep)-1:-1:1
          ddep=dep(kk+1)-dep(kk);
          dsta=sta(kk+1)-sta(kk);
          s=ddep/dsta;
          if s < 1/15
             break
          end
          fore_toe_sta=sta(kk);
          fore_toe_dep=dep(kk);
          upper_slope=(Z2-fore_toe_dep)/(top_sta-fore_toe_sta)
       end
       fore_Irb=upper_slope/(sqrt(fore_H0/L0));
       fore_gamma=gamma_perm*gamma_beta*gamma_rough;
       if (fore_Irb < 1.8)</pre>
          fore_R2=fore_gamma*fore_H0*1.77*fore_Irb;
          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');
          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
          \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);
    end
    topStaAll(iter)=top_sta;
ans =
!----- STARTING ITERATION 1 -----!
Ztoe =
toe_sta =
          383.113881459383
top_sta =
          403.028129353382
Z2 =
                 11.661368
H0 =
                    1.7682
Tp =
                     3.343
T0 =
          3.03909090909091
R2 =
                    5.3046
Z2 =
          14.3303257693142
top_sta =
          409.643929714403
Lslope =
          26.5300482550197
ans =
!----- End Berm Factor Calculation, Iter: 1 -----!
berm_width =
rB =
    Λ
rdh_mean =
gamma_berm =
slope =
        0.300548181920686
         1.55379120171371
gamma_berm =
```

```
1
gamma_perm =
gamma_beta =
gamma_rough =
gamma =
ans =
!!! - - Iribaren number: 1.55 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
!!! - - slope: 1:3.3 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2\_new =
         4.86292207708021
R2del =
        0.441677922919785
Z2 =
         13.8886478463944
top_sta =
         408.549099569172
       -----! STARTING ITERATION 2 -----!
Ztoe =
                6.356768
toe_sta =
         383.113881459383
top_sta =
         408.549099569172
Z2 =
         13.8886478463944
H0 =
                  1.7682
= qT
                   3.343
T0 =
         3.03909090909091
R2 =
        4.86292207708021
Z2 =
         13.8886478463944
top_sta =
         408.549099569172
Lslope =
         25.4352181097884
!----- End Berm Factor Calculation, Iter: 2 -----!
berm_width =
rB =
    0
rdh_mean =
gamma_berm =
slope =
       0.296120120294778
Irb =
        1.53089875514819
gamma_berm =
gamma_perm =
gamma_beta =
gamma\_rough =
gamma =
    1
ans =
!!! - - Iribaren number: 1.53 is in the valid range (0.5-10), TAW RECOMMENDED - - !!!
!!! - - slope: 1:3.4 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2\_new =
        4.79127526656987
R2del =
       0.0716468105103454
Z2 =
        13.8170010358841
top_sta =
        408.371501891032
ans =
!----!
                6.356768
toe_sta =
        383.113881459383
top_sta =
        408.371501891032
z2 =
```

```
13.8170010358841
H0 =
                  1.7682
Tp =
                   3.343
T0 =
        3.03909090909091
R2 =
        4.79127526656987
7.2 =
        13.8170010358841
top_sta =
         408.371501891032
Lslope =
         25.257620431649
!----- End Berm Factor Calculation, Iter: 3 -----!
berm_width =
rB =
    0
rdh_mean =
gamma_berm =
slope =
       0.295365632565136
Irb =
       1.52699816127793
gamma_berm =
gamma_perm =
gamma_beta =
gamma\_rough =
gamma =
    1
ans = !!! - Iribaren number: 1.53 is in the valid range (0.5-10), TAW RECOMMENDED - - <math>!!!
!!! - - slope: 1:3.4 V:H is in the valid range (1:8 - 1:1), TAW RECOMMENDED - - !!!
R2\_new =
        4.77906752332578
R2del =
       0.012207743244085
Z2 =
         13.80479329264
top_sta =
        408.341241411326
ans =
!-----!
Ztoe =
                6.356768
toe_sta =
        383.113881459383
top_sta =
        408.341241411326
Z2 =
         13.80479329264
H0 =
                  1.7682
Tp =
                  3.343
T0 =
        3.03909090909091
R2 =
        4.77906752332578
Z2 =
         13.80479329264
top_sta =
        408.341241411326
Lslope =
        25.2273599519427
ans =
!----- End Berm Factor Calculation, Iter: 4 -----!
berm_width =
rB =
    0
rdh_mean =
gamma_berm =
slope =
      0.295236017832554
        1.52632807161107
gamma_berm =
```

```
PART 5: RUNUP2
        for transect: CM-124-1
Station locations shifted by: -0.59 feet from their
original location to set the shoreline to
elevation 0 for RUNUP2 input
              _RUNUP2 INPUT CONVERSIONS_
        for transect: CM-124-1
Incident significant wave height: 2.61 feet
Peak wave period: 3.40 seconds
Mean wave height: 1.64 feet
Local Depth below SWEL: 30.55 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 = 30.55
    Period, T = 2.89
    Waveheight, H = 1.64
Deep water wavelength, L0 (ft)
    L0 = g*T*T/twopi
    L0 = 32.17*2.89*2.89/6.28 = 42.77
Deep water wave celerity, CO (ft/s)
    C0 = L0/T
    C0 = 42.77/2.89 = 14.80
Angular frequency, sigma (rad/s)
    sigma = twopi/T
    sigma = 6.28/2.89 = 2.17
Hunts (1979) approximation for Celerity C1H (ft/s) at Depth D (ft)
    y = sigma.*sigma.*D./g
    y = 2.17*2.17*30.55/32.17 = 4.49
    \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 = 14.79
Shoaling Coefficient KsH
    KsH = sqrt(C0/C1H)
    KsH = sqrt(14.80/14.79) = 1.00
Deepwater Wave Height HO_H (ft)
    H0_H = H/KsH
    H0_H = 1.64/1.00 = 1.64
Deepwater mean wave height: 1.64 feet
              END RUNUP2 CONVERSIONS
              RUNUP2 RESULTS
        for transect: CM-124-1
RUNUP2 SWEL:
9.00
```

9.00 9.00 9.00

```
9.00
9.00
9.00
9.00
9.00
RUNUP2 deepwater mean wave heights:
1.55
1.55
1.55
1.64
1.64
1.64
1.72
1.72
1.72
RUNUP2 mean wave periods:
2.75
2.89
3.03
2.75
2.89
3.03
2.75
2.89
3.03
RUNUP2 runup above SWEL:
1.13
1.19
1.25
1.00
1.04
1.09
0.91
0.93
0.96
RUNUP2 Mean runup height above SWEL: 1.06 feet
RUNUP2 2-percent runup height above SWEL: 2.32 feet
RUNUP2 2-percent runup elevation: 11.32 feet-NAVD88
RUNUP2 Messages:
No Messages
             __END RUNUP2 RESULTS_
              ___ACES BEACH RUNUP_
Incident significant wave height: 2.61 feet
Significant wave height deshoaled using Hunt equation
Deepwater significant wave height: 2.29 feet
Peak wave period: 3.40 seconds
Average beach Slope: 1:24.45 (H:V)
ACES RUNUP CALCULATED USING 'Aces_Beach_Runup.m'
ACES Beach 2-percent runup height above SWEL: 1.40 feet
ACES Beach 2-percent runup elevation: 10.40 feet-NAVD88
ACES BEACH RUNUP is valid
```

END ACES B
PART 5 COMPLETE

RUNUP2 transect: C
3.00
-21.56 -510.4 1.0
-19.31 -456.4 1.0
-18.43 -436.4 1.0
-18.37 -435.4 1.0
-16.75 -412.4 1.0
-12.14 -344.4 1.0
-12.10 -343.4 1.0
-9.41 -270.4 1.0
-9.18 -263.4 1.0
-9.03 -259.4 1.0
-6.26 -174.4 1.0
-6.22 -173.4 1.0
-4.28 -119.4 1.0
-2.11 -55.4 1.0
2.27 59.6 1.0
2.98 81.6 1.0
2.98 81.6 1.0
5.40 379.6 1.0
8.55 393.1 1.0
10.84 401.6 1.0
116.29 415.1 1.0
9.0 1.55 2.75
9.0 1.55 2.89
9.0 1.55 3.03 RUNUP2 transect: CM-124-1 1.55 3.03 1.64 2.75 1.64 2.89 9.0 1.64 3.03 1.72 2.75 1.72 2.89 1.72 3.03 9.0 9.0 9.0 9.0

FEMA

job 2 1 sjh

CROSS SECTION PROFILE

	LENGTH	ELEV.	SLOPE	ROUGHNESS
1	-510.0	-21.5	.00	1.00
2	-456.0	-19.3		1.00
3	-436.0	-18.4	22.22	
4	-435.0	-18.3	10.00	1.00
5	-412.0	-16.7	14.38	1.00
6	-344.0	-12.1	14.78	1.00
7	-343.0	-12.1	FLAT	1.00
8	-270.4	-9.4	26.99	1.00
9	-263.4	-9.2	30.43	1.00
			26.67	1.00
10	-259.4	-9.0	30.69	1.00
11	-174.4	-6.3	25.00	1.00
12	-173.4	-6.2	27.84	1.00
13	-119.4	-4.3	29.49	1.00
14	-55.4	-2.1	26.26	1.00
15	59.6	2.3	30.99	1.00
16	81.6	3.0	123.14	1.00
17	379.6	5.4		1.00
18	393.1	8.6	4.29	
19	401.6	10.9	3.71	1.00
20	415.1	16.3	2.48	1.00

LAST SLOPE 3.00 LAST ROUGHNESS 1.00

CLIENT- FEMA ** WAVE RUNUP-VERSION 2.0 ** ENGINEERED BY sjh JOB job 2 PROJECT-RUNUP2 transect: CM-124-1 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.)
9.00	1.55	2.75	11	18	1.13	2.33
9.00	1.55	2.89	11	18	1.19	2.36
9.00	1.55	3.03	11	18	1.25	2.38
9.00	1.64	2.75	11	18	1.00	2.44
9.00	1.64	2.89	11	18	1.04	2.47
9.00	1.64	3.03	11	18	1.09	2.50
9.00	1.72	2.75	11	18	.91	2.55
9.00	1.72	2.89	11	18	.93	2.58
9.00	1.72	3.03	11	18	.96	2.61

