```
**********                    LISTING OF INPUT DATA                    **********

T1        CAROLINA BEACH DUNE EROSION


   PBP       SLOPE FLAT  OFFSHORE  ONSHORE
   ELEVATION    FACTOR  CL ANGLE  CL ANGLE
J1    -2.000     2.000     6.000    32.000      .000      .000      .000      .000      .000      .000

      TRANSECT 3 - 10.4 SW, NO SETUP

   TRANSECT NO. OF          PBP      STILL      TIDE                    SMALLEST
   NO.      GR POINTS       STATION  WATER EL   ELEVATION  LATITUDE     S-0.97     TRACE
X1    3.000    16.000     -36.250     10.400      1.000     34.000      1.000    -1.000      .000      .000

   RADIUS TO  SEDIMENT                          TRANS     END OF     10-YEAR     NWAFIS     NGVD-
   MAX WIND   DIAMETER      F-G,E       F-N      SPEED     EROSION    STILL EL    OPTION     MSL
X2    28.750      .400       .800       .900    11.500    456.330       6.200      1.000    -.500      .000


     ELEVATION STATION   ELEVATION STATION   ELEVATION STATION   ELEVATION STATION   ELEVATION STATION
GR     -19.900  -680.000   -13.900  -380.000    -7.100  -180.000    -2.900   -80.000    -1.500   -36.250
GR      -1.300   -30.000     1.700    53.330     3.000    66.330     5.500    86.330     7.500   104.330
GR      11.000   126.330    11.000   261.330     9.500   281.330     9.500   316.330     8.500   416.330
GR       6.500   456.330
%SLOPE% (AA,AB,AC,AD)=       .474      .997     5.983      .777

%SLOPE% (AE,AF,AG,AH)=      1.008      .108      .107      .992

%SLOPE% (AI,AJ,AK,AL)=       .767      .991    12.481      .988

%SLOPE% (AM,AN,AO,AP)=     13.314    28.294     -.016     -.056

%SLOPE% (AQ,AR,AS,AT)=     -2.113     -.562     -.618     -.288

%SLOPE% (F_FACTOR)=      2.108

%D_L% (AG,AH,AJ,AL)=       .107      .992      .991      .988

%D_L% (BA,BB,BC,DL)=      5.403     1.119     3.878    23.459

%DEPOSIT% PBPNUM=      5
%DEPOSIT% LIMIT OF DEPOSITION ON TRANSECT  ELEVATION=   -13.059  STATION=  -355.262
%DEPOSIT% CLOSING OF DEPOSITION ON OFFSHORE PROFILE  ELEVATION=   -14.845  STATION=  -427.242
%DEPOSIT% DEPOSIT AREA (DATA(10))=  1158.323
%ERODE% TO GRNUM+1    8 AREA=       .312 AREA+CLOSURE=       .321
%ERODE% TO GRNUM+1    9 AREA=     71.143 AREA+CLOSURE=     73.582
%ERODE% TO GRNUM+1   10 AREA=     96.168 AREA+CLOSURE=    101.232
%ERODE% TO GRNUM+1   11 AREA=    153.668 AREA+CLOSURE=    165.338
%ERODE% TO GRNUM+1   12 AREA=    235.668 AREA+CLOSURE=    256.175
%ERODE% TO GRNUM+1   13 AREA=    341.168 AREA+CLOSURE=    372.425
%ERODE% TO GRNUM+1   14 AREA=   1184.918 AREA+CLOSURE=   1212.825
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********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 1

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-D.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 1.000 | 23.000 | -97.500 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -50.000 | -4200.000 | -24.000 | -2710.000 | -18.000 | -1220.000 | -15.000 | -910.000 | -12.000 | -600.000 |
| GR | -9.000 | -495.000 | -6.000 | -390.000 | -3.000 | -195.000 | -1.500 | -97.500 | .000 | .000 |
| GR | 2.900 | 55.000 | 5.700 | 75.000 | 6.600 | 119.000 | 9.400 | 126.000 | 10.700 | 150.000 |
| GR | 13.700 | 166.000 | 7.900 | 197.000 | 7.800 | 242.000 | 8.700 | 316.000 | 8.500 | 405.000 |
| GR | 7.200 | 475.000 | 6.600 | 507.000 | 6.600 | 1000.000 | | | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 1.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1954.698
EROSION AREA = 1954.239

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -4200.000 | -24.000 | -2710.000 | -18.000 | -1220.000 | -15.000 | -910.000 | -13.601 | -765.430 |
| -6.952 | -702.165 | -6.482 | -600.000 | -5.059 | -495.000 | -3.635 | -390.000 | -2.212 | -195.000 |
| -1.500 | -97.500 | -.788 | .000 | .588 | 38.000 | 1.916 | 75.000 | 2.344 | 119.000 |
| 3.672 | 126.000 | 4.289 | 150.000 | 5.713 | 166.000 | 2.960 | 197.000 | 2.913 | 242.000 |
| 3.340 | 316.000 | 3.250 | 400.540 | 6.037 | 405.000 | 8.430 | 408.830 | 8.350 | 413.170 |
| 7.200 | 476.000 | 6.600 | 507.000 | 6.600 | 1000.000 | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 1.000

*PRE-STORM TRANSECT:*

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 2.900 | 38.000 | 5.700 | 75.000 | 6.600 | 119.000 | 9.600 | 126.000 |
| 10.700 | 150.000 | 13.700 | 166.000 | 7.900 | 197.000 | 7.800 | 242.000 | 8.700 | 316.000 |
| 8.510 | 400.540 | 8.500 | 405.000 | 8.430 | 408.830 | 8.350 | 413.170 | 7.200 | 476.000 |
| 6.600 | 507.000 | 6.600 | 1000.000 | | | | | | |

*AFTER STORM TRANSECT:*

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.588 | 38.000 | 1.916 | 75.000 | 2.344 | 119.000 | 3.672 | 126.000 |
| 4.289 | 150.000 | 5.713 | 166.000 | 2.960 | 197.000 | 2.913 | 242.000 | 3.340 | 316.000 |
| 3.250 | 400.540 | 6.037 | 405.000 | 8.430 | 408.830 | 8.350 | 413.170 | 7.200 | 476.000 |
| 6.600 | 507.000 | 6.600 | 1000.000 | | | | | | |

* * * * * TRANSECT NUMBER 1.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 1.000

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| DF | 21.6 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF | 38.0 | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 75.0 | 1.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 119.0 | 2.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 126.0 | 3.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 150.0 | 4.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 166.0 | 5.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 197.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 242.0 | 2.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 316.0 | 3.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 400.5 | 3.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 405.0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 408.8 | 8.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 413.2 | 8.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 476.0 | 7.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 507.0 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 674.0 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET | 1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 2

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 2.000 | 26.000 | -112.800 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -3650.000 | -27.000 | -3037.500 | -24.000 | -2425.000 | -21.000 | -1812.500 | -18.000 | -1200.000 |
| GR | -15.000 | -950.000 | -12.000 | -700.000 | -9.000 | -600.000 | -6.000 | -500.000 | -3.000 | -250.000 |
| GR | -1.500 | -112.800 | .000 | .000 | 4.000 | 63.000 | 6.300 | 103.000 | 6.700 | 124.000 |
| GR | 8.800 | 125.000 | 9.800 | 202.000 | 10.500 | 222.000 | 12.600 | 243.000 | 9.600 | 273.000 |
| GR | 9.700 | 336.000 | 8.900 | 376.000 | 8.500 | 416.000 | 7.600 | 488.000 | 6.700 | 543.000 |
| GR | 6.600 | 588.000 | | | | | | | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 2.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1908.161
EROSION AREA = 1907.661

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -3650.000 | -27.000 | -3037.500 | -24.000 | -2425.000 | -21.000 | -1812.500 | -18.000 | -1200.000 |
| -15.000 | -950.000 | -13.767 | -847.236 | -6.952 | -782.391 | -6.482 | -700.000 | -5.059 | -600.000 |
| -3.655 | -500.000 | -2.212 | -250.000 | -1.500 | -112.800 | -.788 | .000 | 1.110 | 63.000 |
| 2.201 | 105.000 | 3.340 | 124.000 | 3.387 | 125.000 | 3.862 | 202.000 | 7.041 | 222.000 |
| 5.191 | 243.000 | 3.672 | 273.000 | 3.815 | 336.000 | 3.571 | 361.638 | 7.163 | 367.386 |
| 9.013 | 370.347 | 8.900 | 376.000 | 8.814 | 384.608 | 8.500 | 416.000 | 7.600 | 488.000 |
| 6.700 | 543.000 | 6.600 | 585.000 | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 2.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 4.000 | 63.000 | 6.300 | 103.000 | 8.700 | 124.000 | 8.800 | 125.000 |
| 9.800 | 202.000 | 16.500 | 222.000 | 12.600 | 243.000 | 9.400 | 273.000 | 9.700 | 336.000 |
| 9.187 | 361.638 | 9.072 | 367.386 | 9.013 | 370.347 | 8.900 | 376.000 | 8.814 | 384.608 |
| 8.500 | 416.000 | 7.600 | 488.000 | 6.700 | 543.000 | 6.600 | 588.000 | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | 1.110 | 63.000 | 2.201 | 103.000 | 3.340 | 124.000 | 3.387 | 125.000 |
| 5.862 | 202.000 | 7.041 | 222.000 | 5.191 | 243.000 | 3.672 | 273.000 | 3.515 | 336.000 |
| 3.571 | 361.638 | 7.163 | 367.386 | 9.013 | 370.347 | 8.900 | 376.000 | 8.814 | 384.608 |
| 8.500 | 416.000 | 7.600 | 488.000 | 6.700 | 543.000 | 6.600 | 588.000 | | |

* * * * * TRANSECT NUMBER 2.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 2.000

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| DF | 26.2 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF | 63.0 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 103.0 | 2.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 124.0 | 3.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 125.0 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 202.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 222.0 | 7.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 243.0 | 5.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 275.0 | 3.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 356.0 | 3.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 361.6 | 3.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 367.4 | 7.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 370.3 | 9.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 376.0 | 8.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 384.6 | 8.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 416.0 | 8.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 686.0 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 545.0 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 584.0 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| AS | 574.0 | 10.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET | 1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 3

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S~0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 3.000 | 25.000 | -27.600 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G/E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -6301.000 | -24.000 | -3650.500 | -18.000 | -1000.000 | -15.000 | -875.000 | -12.000 | -750.000 |
| GR | -9.000 | -670.000 | -6.000 | -590.000 | -1.900 | -35.000 | -1.500 | -27.600 | .000 | .000 |
| GR | 5.800 | 101.000 | 7.400 | 108.000 | 9.900 | 151.000 | 11.200 | 167.000 | 13.400 | 234.000 |
| GR | 12.700 | 249.000 | 8.800 | 266.000 | 9.900 | 295.000 | 8.500 | 355.000 | 7.200 | 613.000 |
| GR | 7.100 | 527.000 | 6.700 | 639.000 | 6.200 | 696.000 | 6.100 | 759.000 | 6.100 | 1000.000 |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 3.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD
SLOPE FLATENING FACTOR= 2.107
PIVOT ELEVATION= -2.000 MSL
CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1808.593
EROSION AREA = 1808.582

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -6300.000 | -24.000 | -3650.500 | -18.000 | -1000.000 | -15.000 | -875.000 | -14.775 | -865.633 |
| -6.952 | -791.196 | -6.482 | -750.000 | -5.059 | -670.000 | -3.635 | -590.000 | -1.690 | -35.000 |
| -1.500 | -27.600 | -.788 | .000 | 1.964 | 101.000 | 2.723 | 108.000 | 3.909 | 151.000 |
| 4.526 | 167.000 | 5.570 | 234.000 | 5.238 | 249.000 | 3.387 | 264.000 | 3.909 | 295.000 |
| 3.307 | 349.448 | 6.776 | 355.000 | 8.440 | 357.664 | 8.318 | 363.118 | 7.200 | 413.000 |
| 7.100 | 527.000 | 6.700 | 639.000 | 6.200 | 696.000 | 6.100 | 759.000 | 6.100 | 1000.000 |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 3.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 5.800 | 101.000 | 7.400 | 108.000 | 9.900 | 151.000 | 11.200 | 167.000 |
| 13.400 | 234.000 | 12.700 | 249.000 | 8.800 | 264.000 | 9.900 | 295.000 | 8.630 | 349.448 |
| 8.500 | 355.000 | 8.440 | 357.664 | 8.318 | 363.118 | 7.200 | 413.000 | 7.100 | 527.000 |
| 6.700 | 639.000 | 6.200 | 696.000 | 6.100 | 759.000 | 6.100 | 1000.000 | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | 1.964 | 101.000 | 2.723 | 108.000 | 3.909 | 151.000 | 4.526 | 167.000 |
| 5.570 | 234.000 | 5.238 | 249.000 | 3.387 | 264.000 | 3.909 | 295.000 | 3.307 | 349.448 |
| 6.776 | 355.000 | 8.440 | 357.664 | 8.318 | 363.118 | 7.200 | 413.000 | 7.100 | 527.000 |
| 6.700 | 639.000 | 6.200 | 696.000 | 6.100 | 759.000 | 6.100 | 1000.000 | | |

* * * * * TRANSECT NUMBER 3.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 3.000

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IE .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF 28.9 | 2.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF 101.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 108.0 | 2.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 151.0 | 3.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 167.0 | 4.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 234.0 | 5.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 249.0 | 5.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 264.0 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 295.0 | 3.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 349.4 | 3.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 355.0 | 6.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 357.7 | 8.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 363.1 | 8.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 413.0 | 7.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 527.0 | 7.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 639.0 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 674.0 | 6.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

```
T1   ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 4
T2   BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

     PBP        SLOPE FLAT  OFFSHORE  ONSHORE
     ELEVATION    FACTOR    CL ANGLE  CL ANGLE
J1     -2.000    -99.000      6.000    32.000      .000      .000      .000      .000      .000      .000

     TRANSECT NO. OF        PBP       STILL     TIDE                            SMALLEST
     NO.      GR POINTS     STATION   WATER EL  ELEVATION  LATITUDE  S-0.97      TRACE
X1     4.000    18.000   -187.500     10.300      1.000    34.450      1.000      1.000      .000      .000

     RADIUS TO  SEDIMENT                        TRANS     END OF    10-YEAR     WHAFIS     NGVD-
     MAX WIND   DIAMETER     F-G,E       F-M   SPEED     EROSION   STILL EL    OPTION     MSL
X2    28.750      .400        .800        .900  11.500    674.000     6.300      1.000     -.500      .000

       ELEVATION  STATION    ELEVATION  STATION    ELEVATION  STATION    ELEVATION  STATION    ELEVATION  STATION
GR       -30.000  -5680.000    -24.000  -3430.000   -18.000  -1180.000   -15.000  -1065.000   -12.000   -950.000
GR        -9.000   -850.000     -6.000   -750.000    -3.000   -375.000    -1.500   -187.500     -.800    -18.000
GR         .000       .000      3.500     54.000     7.500     72.000     5.400    103.000     5.600    108.000
GR        4.800    282.000      4.000    598.000     4.000   1000.000
```

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 4.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1902.896
EROSION AREA = 1903.389

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -50.000 | -5680.000 | -24.000 | -3430.000 | -18.000 | -1180.000 | -15.000 | -1065.000 | -14.982 | -1064.303 |
| -6.952 | -987.900 | -6.452 | -950.000 | -5.059 | -850.000 | -3.635 | -750.000 | -2.212 | -375.000 |
| -1.500 | -187.500 | -1.168 | -18.000 | -.788 | .000 | .873 | 54.000 | 2.771 | 72.000 |
| 1.774 | 103.000 | 1.869 | 108.000 | 1.689 | 282.000 | 1.128 | 582.962 | 1.854 | 584.125 |
| 4.026 | 587.601 | 4.023 | 588.760 | 4.012 | 593.385 | 4.000 | 598.000 | 4.000 | 602.625 |
| 4.000 | 1000.000 | | | | | | | | |

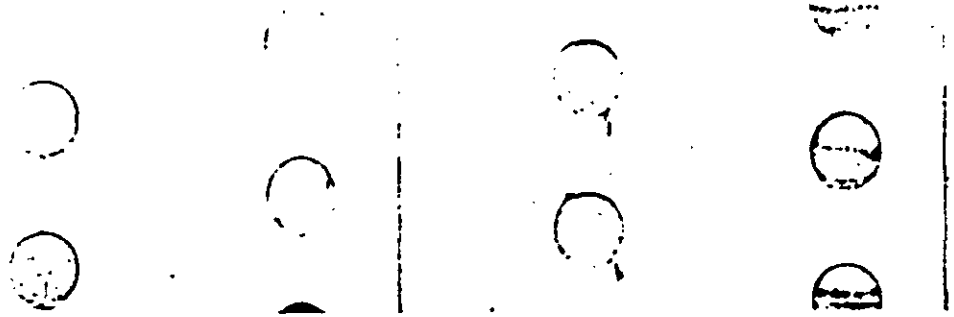
ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 4.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 3.500 | 54.000 | 7.500 | 72.000 | 5.400 | 103.000 | 5.600 | 108.000 |
| 4.300 | 282.000 | 4.038 | 582.962 | 4.035 | 584.125 | 4.026 | 587.601 | 4.023 | 588.760 |
| 4.012 | 593.385 | 4.000 | 598.000 | 4.000 | 602.625 | 4.000 | 1000.000 | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | .873 | 54.000 | 2.771 | 72.000 | 1.774 | 103.000 | 1.869 | 108.000 |
| 1.489 | 282.000 | 1.128 | 582.962 | 1.854 | 584.125 | 4.026 | 587.601 | 4.023 | 588.760 |
| 4.012 | 593.385 | 4.000 | 598.000 | 4.000 | 602.625 | 4.000 | 1000.000 | | |



* * * * * TRANSECT NUMBER 4.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 4.000

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IE .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| DF 25.6 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF 54.0 | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 72.0 | 2.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 103.0 | 1.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 108.0 | 1.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 262.0 | 1.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 583.0 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 584.1 | 1.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 587.6 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 588.8 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 593.4 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 593.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 602.6 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 674.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 5

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-O-.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 5.000 | 22.000 | -112.500 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -5000.000 | -24.000 | -2950.000 | -18.000 | -900.000 | -15.000 | -850.000 | -12.000 | -800.000 |
| GR | -9.000 | -625.000 | -6.000 | -450.000 | -3.000 | -225.000 | -1.500 | -112.500 | .000 | .000 |
| GR | 1.300 | 12.000 | 6.200 | 57.000 | 10.100 | 66.000 | 15.000 | 76.000 | 9.000 | 96.000 |
| GR | 9.200 | 108.000 | 9.000 | 130.000 | 12.600 | 149.000 | 8.600 | 167.000 | 7.300 | 215.000 |
| GR | 7.300 | 950.000 | 7.300 | 1000.000 | | | | | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 5.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2163.813
EROSION AREA = 2164.185

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -50.000 | -5000.000 | -24.000 | -2950.000 | -18.065 | -922.216 | -16.000 | -900.000 | -10.475 | -850.000 |
| -6.952 | -816.473 | -6.482 | -800.000 | -5.059 | -625.000 | -3.635 | -450.000 | -2.212 | -225.000 |
| -1.500 | -112.500 | -.788 | -.000 | -.171 | 12.000 | 2.154 | 57.000 | 4.004 | 66.000 |
| 6.329 | 76.000 | 3.482 | 96.000 | 3.577 | 108.000 | 3.662 | 130.000 | 5.191 | 149.000 |
| 5.293 | 167.000 | 2.676 | 215.000 | 2.676 | 439.551 | 7.264 | 446.894 | 7.300 | 446.952 |
| 7.300 | 454.293 | 7.300 | 461.691 | 7.300 | 469.090 | 7.300 | 476.489 | 7.300 | 483.887 |
| 7.300 | 491.286 | 7.300 | 498.684 | 7.300 | 506.083 | 7.300 | 513.482 | 7.300 | 520.880 |
| 7.300 | 528.279 | 7.300 | 535.678 | 7.300 | 543.076 | 7.300 | 550.475 | 7.300 | 557.873 |
| 7.300 | 565.272 | 7.300 | 572.671 | 7.300 | 580.069 | 7.300 | 587.468 | 7.300 | 594.866 |
| 7.300 | 602.265 | 7.300 | 609.664 | 7.300 | 617.062 | 7.300 | 624.461 | 7.300 | 631.860 |
| 7.300 | 639.258 | 7.300 | 646.657 | 7.300 | 654.055 | 7.300 | 661.454 | 7.300 | 668.853 |
| 7.300 | 676.251 | 7.300 | 683.650 | 7.300 | 691.048 | 7.300 | 698.447 | 7.300 | 705.846 |
| 7.300 | 713.244 | 7.300 | 720.643 | 7.300 | 728.042 | 7.300 | 735.440 | 7.300 | 742.839 |
| 7.300 | 750.237 | 7.300 | 757.636 | 7.300 | 765.035 | 7.300 | 772.433 | 7.300 | 779.832 |
| 7.300 | 787.230 | 7.300 | 794.629 | 7.300 | 802.028 | 7.300 | 809.426 | 7.300 | 816.825 |
| 7.300 | 824.224 | 7.300 | 831.622 | 7.300 | 839.021 | 7.300 | 846.419 | 7.300 | 853.818 |
| 7.300 | 861.217 | 7.300 | 868.615 | 7.300 | 876.014 | 7.300 | 883.412 | 7.300 | 890.811 |
| 7.300 | 898.210 | 7.300 | 905.608 | 7.300 | 913.007 | 7.300 | 920.406 | 7.300 | 927.804 |
| 7.300 | 935.203 | 7.300 | 942.601 | 7.300 | 950.000 | 7.300 | 957.400 | 7.300 | 1000.000 |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 5.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 1.300 | 12.000 | 6.200 | 57.000 | 10.100 | 66.000 | 15.000 | 76.000 |
| 9.000 | 96.000 | 9.200 | 108.000 | 9.000 | 130.000 | 12.600 | 149.000 | 8.600 | 167.000 |
| 7.300 | 215.000 | 7.300 | 439.551 | 7.300 | 446.894 | 7.300 | 446.952 | 7.300 | 454.293 |
| 7.300 | 461.691 | 7.300 | 469.090 | 7.300 | 476.489 | 7.300 | 483.887 | 7.300 | 491.286 |
| 7.300 | 498.684 | 7.300 | 506.083 | 7.300 | 513.482 | 7.300 | 520.880 | 7.300 | 528.279 |
| 7.300 | 535.678 | 7.300 | 543.076 | 7.300 | 550.475 | 7.300 | 557.873 | 7.300 | 565.272 |
| 7.300 | 572.671 | 7.300 | 580.069 | 7.300 | 587.468 | 7.300 | 594.866 | 7.300 | 602.265 |
| 7.300 | 609.664 | 7.300 | 617.062 | 7.300 | 624.461 | 7.300 | 631.860 | 7.300 | 639.258 |
| 7.300 | 646.657 | 7.300 | 654.055 | 7.300 | 661.454 | 7.300 | 668.853 | 7.300 | 676.251 |
| 7.300 | 683.650 | 7.300 | 691.048 | 7.300 | 698.447 | 7.300 | 705.846 | 7.300 | 713.244 |
| 7.300 | 720.643 | 7.300 | 728.042 | 7.300 | 735.440 | 7.300 | 742.839 | 7.300 | 750.237 |
| 7.300 | 757.636 | 7.300 | 765.035 | 7.300 | 772.433 | 7.300 | 779.832 | 7.300 | 787.230 |
| 7.300 | 794.629 | 7.300 | 802.028 | 7.300 | 809.426 | 7.300 | 816.825 | 7.300 | 824.224 |
| 7.300 | 831.622 | 7.300 | 839.021 | 7.300 | 846.419 | 7.300 | 853.818 | 7.300 | 861.217 |
| 7.300 | 868.615 | 7.300 | 876.014 | 7.300 | 883.412 | 7.300 | 890.811 | 7.300 | 898.210 |
| 7.300 | 905.608 | 7.300 | 913.007 | 7.300 | 920.406 | 7.300 | 927.804 | 7.300 | 935.203 |
| 7.300 | 942.601 | 7.300 | 950.000 | 7.300 | 957.400 | 7.300 | 1000.000 | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.171 | 12.000 | 2.154 | 57.000 | 4.004 | 66.000 | 6.329 | 75.000 |
| 3.482 | 96.000 | 3.577 | 108.000 | 3.482 | 130.000 | 5.191 | 149.000 | 3.293 | 167.000 |
| 2.676 | 215.000 | 2.676 | 439.551 | 7.264 | 446.894 | 7.300 | 446.952 | 7.300 | 454.293 |
| 7.300 | 461.691 | 7.300 | 469.090 | 7.300 | 476.489 | 7.300 | 483.887 | 7.300 | 491.286 |
| 7.300 | 498.684 | 7.300 | 506.083 | 7.300 | 513.482 | 7.300 | 520.880 | 7.300 | 528.279 |
| 7.300 | 535.678 | 7.300 | 543.076 | 7.300 | 550.475 | 7.300 | 557.873 | 7.300 | 565.272 |
| 7.300 | 572.671 | 7.300 | 580.069 | 7.300 | 587.468 | 7.300 | 594.866 | 7.300 | 602.265 |
| 7.300 | 609.664 | 7.300 | 617.062 | 7.300 | 624.461 | 7.300 | 631.860 | 7.300 | 639.258 |
| 7.300 | 646.657 | 7.300 | 654.055 | 7.300 | 661.454 | 7.300 | 668.853 | 7.300 | 676.251 |
| 7.300 | 683.650 | 7.300 | 691.048 | 7.300 | 698.447 | 7.300 | 705.846 | 7.300 | 713.244 |
| 7.300 | 720.643 | 7.300 | 728.042 | 7.300 | 735.440 | 7.300 | 742.839 | 7.300 | 750.237 |
| 7.300 | 757.636 | 7.300 | 765.035 | 7.300 | 772.433 | 7.300 | 779.832 | 7.300 | 787.230 |
| 7.300 | 794.629 | 7.300 | 802.028 | 7.300 | 809.426 | 7.300 | 816.825 | 7.300 | 824.224 |
| 7.300 | 831.622 | 7.300 | 839.021 | 7.300 | 846.419 | 7.300 | 853.818 | 7.300 | 861.217 |
| 7.300 | 868.615 | 7.300 | 876.014 | 7.300 | 883.412 | 7.300 | 890.811 | 7.300 | 898.210 |
| 7.300 | 905.608 | 7.300 | 913.007 | 7.300 | 920.406 | 7.300 | 927.806 | 7.300 | 935.203 |
| 7.300 | 942.601 | 7.300 | 950.000 | 7.300 | 957.400 | 7.300 | 1000.000 | | |

* * * * * TRANSECT NUMBER 5.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 5.000

```
IE      .0      -.8    24.0     6.3    10.3      .0      .0      .0      .0      .0
OF    12.0      -.2      .0      .0      .0     1.0      .0      .0      .0      .0
OF    15.5       .0      .0      .0      .0     1.0      .0      .0      .0      .0
IF    57.0      2.2      .0      .0      .0      .0      .0      .0      .0      .0
IF    65.0      4.0      .0      .0      .0      .0      .0      .0      .0      .0
IF    70.0      6.5      .0      .0      .0      .0      .0      .0      .0      .0
IF    96.0      3.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   108.0      3.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   130.0      3.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   149.0      5.2      .0      .0      .0      .0      .0      .0      .0      .0
IF   167.0      3.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   215.0      2.7      .0      .0      .0      .0      .0      .0      .0      .0
IF   434.6      2.7      .0      .0      .0      .0      .0      .0      .0      .0
IF   440.4      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   447.0      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   454.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   461.7      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   469.1      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   476.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   483.9      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   491.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   498.7      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   506.1      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   513.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   520.9      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   528.3      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   535.7      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   543.1      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   550.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   557.9      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   565.3      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   572.7      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   580.1      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   587.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   594.9      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   602.3      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   609.7      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   617.1      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   624.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   631.9      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   639.3      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   646.7      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   654.1      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   661.5      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   668.9      7.5      .0      .0      .0      .0      .0      .0      .0      .0
IF   674.0      7.5      .0      .0      .0      .0      .0      .0      .0      .0
ET1000.0   1000.0     5.0
```

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 6

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-D.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 6.000 | 26.000 | -112.800 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -2820.000 | -24.000 | -1885.000 | -18.000 | -950.000 | -15.000 | -825.000 | -12.000 | -700.000 |
| GR | -9.000 | -575.000 | -6.000 | -450.000 | -3.000 | -225.000 | -1.500 | -112.800 | .000 | .000 |
| GR | 1.000 | 12.000 | 4.700 | 60.000 | 7.700 | 75.000 | 12.300 | 86.000 | 14.000 | 100.000 |
| GR | 12.400 | 115.000 | 9.100 | 131.000 | 11.600 | 145.000 | 8.200 | 154.000 | 8.600 | 170.000 |
| GR | 8.000 | 199.000 | 11.100 | 222.000 | 8.400 | 247.000 | 7.600 | 275.000 | 7.600 | 950.000 |
| GR | 7.600 | 1000.000 | | | | | | | | |

# 3

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 6

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 6.000 | 26.000 | -112.800 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -2820.000 | -24.000 | -1885.000 | -18.000 | -950.000 | -15.000 | -825.000 | -12.000 | -700.000 |
| GR | -9.000 | -575.000 | -6.000 | -450.000 | -3.000 | -225.000 | -1.500 | -112.800 | .000 | .000 |
| GR | 1.000 | 12.000 | 4.700 | 60.000 | 7.700 | 76.000 | 12.300 | 86.000 | 14.000 | 100.000 |
| GR | 12.400 | 115.000 | 9.100 | 151.000 | 11.600 | 145.000 | 8.200 | 154.000 | 8.600 | 170.000 |
| GR | 8.000 | 199.000 | 11.100 | 222.000 | 8.400 | 247.000 | 7.600 | 275.000 | 7.600 | 950.000 |
| GR | 7.600 | 1000.000 | | | | | | | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 6.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD
SLOPE FLATENING FACTOR= 2.107
PIVOT ELEVATION= -2.000 MSL
CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1846.912
EROSION AREA = 1847.304

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -2920.000 | -24.000 | -1885.000 | -18.000 | -950.000 | -15.000 | -825.000 | -14.775 | -815.633 |
| -8.952 | -741.196 | -6.432 | -700.000 | -5.059 | -575.000 | -3.635 | -450.000 | -2.212 | -225.000 |
| -1.500 | -112.800 | -.788 | .000 | -.314 | 12.000 | 1.442 | 60.000 | 2.866 | 76.000 |
| 3.048 | 86.000 | 5.855 | 100.000 | 5.096 | 115.000 | 3.530 | 131.000 | 4.716 | 145.000 |
| 3.103 | 154.000 | 3.293 | 170.000 | 3.008 | 199.000 | 4.479 | 222.000 | 3.198 | 247.000 |
| 2.818 | 275.000 | 2.818 | 361.840 | 7.002 | 368.536 | 7.600 | 369.492 | 7.600 | 376.187 |
| 7.600 | 383.838 | 7.600 | 391.489 | 7.600 | 399.139 | 7.600 | 406.790 | 7.600 | 414.441 |
| 7.600 | 422.092 | 7.600 | 429.743 | 7.600 | 437.394 | 7.600 | 445.044 | 7.600 | 452.695 |
| 7.600 | 460.346 | 7.600 | 467.997 | 7.600 | 475.648 | 7.600 | 483.299 | 7.600 | 490.950 |
| 7.600 | 498.600 | 7.600 | 506.251 | 7.600 | 513.902 | 7.600 | 521.553 | 7.600 | 529.204 |
| 7.600 | 536.855 | 7.600 | 544.505 | 7.600 | 552.156 | 7.600 | 559.807 | 7.600 | 567.458 |
| 7.600 | 575.109 | 7.600 | 582.760 | 7.600 | 590.410 | 7.600 | 598.061 | 7.600 | 605.712 |
| 7.600 | 613.363 | 7.600 | 621.014 | 7.600 | 628.665 | 7.600 | 636.316 | 7.600 | 643.966 |
| 7.600 | 651.617 | 7.600 | 659.268 | 7.600 | 666.919 | 7.600 | 674.570 | 7.600 | 682.221 |
| 7.600 | 689.871 | 7.600 | 697.522 | 7.600 | 705.173 | 7.600 | 712.824 | 7.600 | 720.475 |
| 7.600 | 728.125 | 7.600 | 735.776 | 7.600 | 743.427 | 7.600 | 751.078 | 7.600 | 758.729 |
| 7.600 | 766.380 | 7.600 | 774.031 | 7.600 | 781.681 | 7.600 | 789.332 | 7.600 | 796.983 |
| 7.600 | 804.634 | 7.600 | 812.285 | 7.600 | 819.936 | 7.600 | 827.587 | 7.600 | 835.237 |
| 7.600 | 842.888 | 7.600 | 850.539 | 7.600 | 858.190 | 7.600 | 865.841 | 7.600 | 873.492 |
| 7.600 | 881.142 | 7.600 | 888.793 | 7.600 | 896.444 | 7.600 | 904.095 | 7.600 | 911.746 |
| 7.600 | 919.397 | 7.600 | 927.047 | 7.600 | 934.698 | 7.600 | 942.349 | 7.600 | 950.000 |
| 7.600 | 957.653 | 7.600 | 1000.000 | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 6.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 1.000 | 12.000 | 4.700 | 60.000 | 7.700 | 76.000 | 12.300 | 86.000 |
| 14.000 | 100.000 | 12.400 | 115.000 | 9.100 | 131.000 | 11.500 | 145.000 | 8.200 | 154.000 |
| 5.600 | 170.000 | 8.000 | 199.000 | 11.100 | 222.000 | 8.400 | 247.000 | 7.600 | 275.000 |
| 7.600 | 351.840 | 7.600 | 368.536 | 7.600 | 369.492 | 7.600 | 376.187 | 7.600 | 383.835 |
| 7.600 | 391.489 | 7.600 | 399.139 | 7.600 | 406.790 | 7.600 | 414.441 | 7.600 | 422.092 |
| 7.600 | 429.743 | 7.600 | 437.394 | 7.600 | 445.044 | 7.600 | 452.695 | 7.600 | 460.346 |
| 7.600 | 467.997 | 7.600 | 475.648 | 7.600 | 483.299 | 7.600 | 490.950 | 7.600 | 498.600 |
| 7.600 | 506.251 | 7.600 | 513.902 | 7.600 | 521.553 | 7.600 | 529.204 | 7.600 | 536.855 |
| 7.600 | 544.505 | 7.600 | 552.156 | 7.600 | 559.807 | 7.600 | 567.458 | 7.600 | 575.109 |
| 7.600 | 582.760 | 7.600 | 590.410 | 7.600 | 598.061 | 7.600 | 605.712 | 7.600 | 613.363 |
| 7.600 | 621.014 | 7.600 | 628.665 | 7.600 | 636.316 | 7.600 | 643.966 | 7.600 | 651.617 |
| 7.600 | 659.268 | 7.600 | 666.919 | 7.600 | 674.570 | 7.600 | 682.221 | 7.600 | 689.871 |
| 7.600 | 697.522 | 7.600 | 705.173 | 7.600 | 712.824 | 7.600 | 720.475 | 7.600 | 728.126 |
| 7.600 | 735.776 | 7.600 | 743.427 | 7.600 | 751.078 | 7.600 | 758.729 | 7.600 | 766.380 |
| 7.600 | 774.031 | 7.600 | 781.681 | 7.600 | 789.332 | 7.600 | 796.983 | 7.600 | 804.634 |
| 7.600 | 812.285 | 7.600 | 819.936 | 7.600 | 827.587 | 7.600 | 835.237 | 7.600 | 842.888 |
| 7.600 | 850.539 | 7.600 | 858.190 | 7.600 | 865.841 | 7.600 | 873.492 | 7.600 | 881.142 |
| 7.600 | 888.793 | 7.600 | 896.444 | 7.600 | 904.095 | 7.600 | 911.746 | 7.600 | 919.397 |
| 7.600 | 927.047 | 7.600 | 934.698 | 7.600 | 942.349 | 7.600 | 950.000 | 7.600 | 957.653 |
| 7.600 | 1000.000 | | | | | | | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.314 | 12.000 | 1.442 | 60.000 | 2.866 | 76.000 | 5.048 | 86.000 |
| 5.455 | 100.000 | 5.096 | 115.000 | 3.530 | 131.000 | 4.716 | 145.000 | 3.103 | 154.000 |
| 3.293 | 170.000 | 3.008 | 199.000 | 4.479 | 222.000 | 3.198 | 247.000 | 2.818 | 275.000 |
| 2.813 | 351.840 | 7.602 | 368.536 | 7.600 | 369.492 | 7.600 | 376.187 | 7.600 | 383.835 |
| 7.600 | 391.489 | 7.600 | 399.139 | 7.600 | 406.790 | 7.600 | 414.441 | 7.600 | 422.092 |
| 7.600 | 429.743 | 7.600 | 437.394 | 7.600 | 445.044 | 7.600 | 452.695 | 7.600 | 460.346 |
| 7.600 | 467.997 | 7.600 | 475.648 | 7.600 | 483.299 | 7.600 | 490.950 | 7.600 | 498.600 |
| 7.600 | 506.251 | 7.600 | 513.902 | 7.600 | 521.553 | 7.600 | 529.204 | 7.600 | 536.855 |
| 7.600 | 544.505 | 7.600 | 552.156 | 7.600 | 559.807 | 7.600 | 567.458 | 7.600 | 575.109 |
| 7.600 | 582.760 | 7.600 | 590.410 | 7.600 | 598.061 | 7.600 | 605.712 | 7.600 | 613.363 |
| 7.600 | 621.014 | 7.600 | 628.665 | 7.600 | 636.316 | 7.600 | 643.966 | 7.600 | 651.617 |
| 7.600 | 659.268 | 7.600 | 666.919 | 7.600 | 674.570 | 7.600 | 682.221 | 7.600 | 689.871 |
| 7.600 | 697.522 | 7.600 | 705.173 | 7.600 | 712.826 | 7.600 | 720.475 | 7.600 | 728.126 |
| 7.600 | 735.776 | 7.600 | 743.427 | 7.600 | 751.078 | 7.600 | 758.729 | 7.600 | 766.380 |
| 7.600 | 774.031 | 7.600 | 781.681 | 7.600 | 789.332 | 7.600 | 796.983 | 7.600 | 804.634 |
| 7.600 | 812.285 | 7.600 | 819.936 | 7.600 | 827.587 | 7.600 | 835.237 | 7.600 | 842.888 |
| 7.600 | 850.539 | 7.600 | 858.190 | 7.600 | 865.841 | 7.600 | 873.492 | 7.600 | 881.142 |
| 7.600 | 888.793 | 7.600 | 896.444 | 7.600 | 904.095 | 7.600 | 911.746 | 7.600 | 919.397 |
| 7.600 | 927.047 | 7.600 | 934.698 | 7.600 | 942.349 | 7.600 | 950.000 | 7.600 | 957.653 |
| 7.600 | 1000.000 | | | | | | | | |

* * * * * TRANSECT NUMBER 6.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 6.000

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IE .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| UF 12.0 | -.3 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| UF 20.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF 60.0 | 1.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 70.0 | 2.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 89.0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 100.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 115.0 | 5.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 131.0 | 5.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 142.0 | 4.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 154.0 | 5.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 170.0 | 5.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 199.0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 222.0 | 4.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 247.0 | 5.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 275.0 | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 301.8 | 2.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 308.5 | 7.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 369.5 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 376.2 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 383.8 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 391.5 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 399.1 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 406.8 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 414.4 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 422.1 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 429.7 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 437.4 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 445.0 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 452.7 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 460.3 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 468.0 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 475.6 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 483.3 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 490.9 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 498.6 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 506.3 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 513.9 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 521.6 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 529.2 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 536.9 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 544.5 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 552.2 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 559.8 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 567.5 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 575.1 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 582.8 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 590.4 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 598.1 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 605.7 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 613.4 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 7

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 7.000 | 25.000 | -125.000 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G.E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -2520.000 | -24.000 | -1750.000 | -18.000 | -980.000 | -15.000 | -845.000 | -12.000 | -710.000 |
| GR | -9.000 | -505.000 | -6.000 | -500.000 | -5.000 | -250.000 | -1.500 | -125.000 | .000 | .000 |
| GR | .900 | 12.000 | 5.800 | 77.000 | 10.600 | 95.000 | 13.000 | 103.000 | 11.600 | 108.000 |
| GR | 12.400 | 142.000 | 16.300 | 156.000 | 10.500 | 182.000 | 8.200 | 209.000 | 7.000 | 233.000 |
| GR | 10.500 | 251.000 | 10.900 | 310.000 | 6.500 | 411.000 | 8.500 | 471.000 | 8.500 | 1000.000 |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 7.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1747.962
EROSION AREA = 1747.964

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -50.000 | -2520.000 | -24.000 | -1750.000 | -18.000 | -980.000 | -15.000 | -845.000 | -14.607 | -827.332 |
| -6.952 | -754.491 | -6.432 | -710.000 | -5.059 | -605.000 | -3.635 | -500.000 | -2.212 | -250.000 |
| -1.500 | -125.000 | -.788 | .000 | -.361 | 12.000 | 1.964 | 77.000 | 4.242 | 95.000 |
| 5.380 | 103.000 | 4.716 | 108.000 | 5.096 | 142.000 | 6.946 | 154.000 | 4.194 | 182.000 |
| 3.103 | 209.000 | 2.533 | 233.000 | 4.194 | 251.000 | 4.384 | 310.000 | 4.382 | 310.116 |
| 7.859 | 315.681 | 10.470 | 319.860 | 10.236 | 325.233 | 9.834 | 336.459 | 9.446 | 343.368 |
| 9.071 | 351.973 | 8.710 | 360.281 | 8.360 | 368.306 | 8.022 | 376.055 | 7.696 | 383.539 |
| 7.381 | 390.767 | 7.077 | 397.748 | 6.784 | 404.489 | 6.500 | 411.000 | 6.737 | 418.107 |
| 8.500 | 471.000 | 8.500 | 1000.000 | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 7.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | .900 | 12.000 | 5.800 | 77.000 | 10.600 | 95.000 | 13.000 | 103.000 |
| 11.600 | 108.000 | 12.400 | 142.000 | 10.300 | 154.000 | 10.500 | 182.000 | 8.200 | 209.000 |
| 7.000 | 233.000 | 10.500 | 251.000 | 10.900 | 310.000 | 10.895 | 310.116 | 10.653 | 315.681 |
| 10.470 | 319.860 | 10.236 | 325.233 | 9.834 | 334.459 | 9.446 | 343.368 | 9.071 | 351.973 |
| 8.710 | 360.281 | 8.360 | 368.306 | 8.022 | 376.055 | 7.696 | 383.539 | 7.381 | 390.767 |
| 7.077 | 397.748 | 6.784 | 404.489 | 6.500 | 411.000 | 6.737 | 418.107 | 8.500 | 471.000 |
| 8.500 | 1000.000 | | | | | | | | |

AFTER STORM TRANSECT:

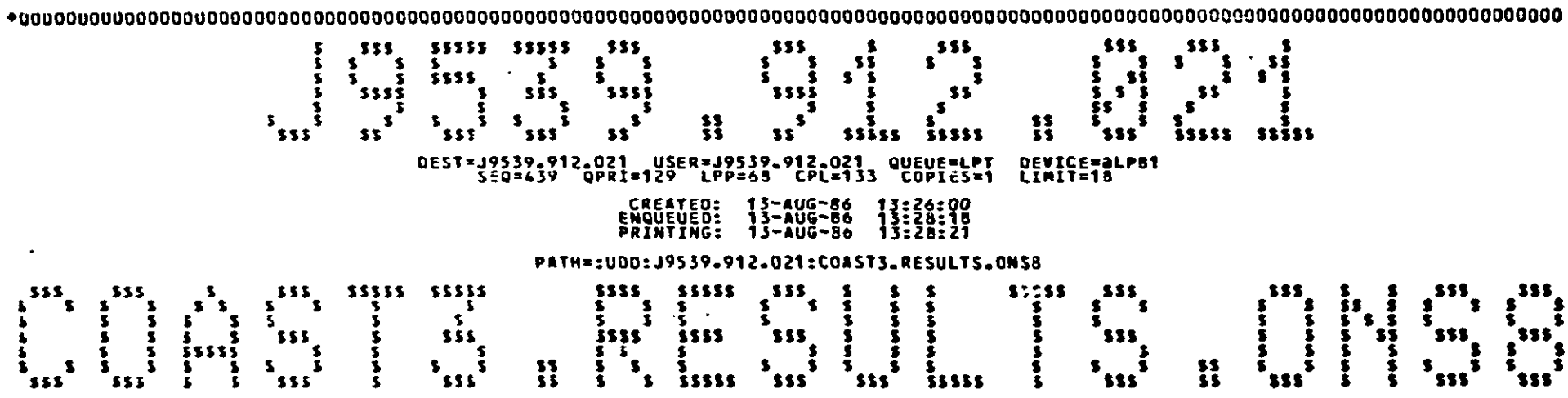
| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.361 | 12.000 | 1.964 | 77.000 | 4.242 | 95.000 | 5.380 | 103.000 |
| 4.716 | 108.000 | 5.096 | 142.000 | 6.946 | 154.000 | 4.194 | 182.000 | 3.103 | 209.000 |
| 2.533 | 233.000 | 4.194 | 251.000 | 4.384 | 310.000 | 4.382 | 310.116 | 7.859 | 315.681 |
| 10.470 | 319.860 | 10.236 | 325.233 | 9.834 | 334.459 | 9.446 | 343.368 | 9.071 | 351.973 |
| 8.710 | 360.281 | 8.360 | 368.306 | 8.022 | 376.055 | 7.696 | 383.539 | 7.381 | 390.767 |
| 7.077 | 397.748 | 6.784 | 404.489 | 6.500 | 411.000 | 6.737 | 418.107 | 8.500 | 471.000 |
| 8.500 | 1000.000 | | | | | | | | |

* * * * * TRANSECT NUMBER 7.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 7.000

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF | 12.0 | -.4 | .0 | .0 | .0 | 1.00 | .0 | .0 | .0 | .0 |
| OF | 22.1 | .0 | .0 | .0 | .0 | 1.00 | .0 | .0 | .0 | .0 |
| IF | 77.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 95.0 | 4.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 103.0 | 5.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 108.0 | 4.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 142.0 | 5.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 154.0 | 6.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 182.0 | 4.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 209.0 | 3.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 233.0 | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 251.0 | 4.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 310.0 | 4.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 310.1 | 4.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 319.6 | 10.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| AS | 323.8 | 10.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 325.2 | 10.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 336.5 | 9.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 343.6 | 9.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 352.0 | 9.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 360.5 | 8.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 368.3 | 8.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 376.1 | 8.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 383.5 | 7.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 390.8 | 7.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 397.7 | 7.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 404.5 | 6.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 411.0 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 418.1 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 471.0 | 8.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 674.0 | 8.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET | 1000.0 | 1000.0 | 5.0 | | | | | | | |



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Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00

DUNE EROSION
TRANSECT &
CORRECTED LAT.

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/36 - TRANSECT B

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 6.000 | 29.000 | -100.000 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -1950.000 | -24.000 | -1500.000 | -18.000 | -1050.000 | -15.000 | -950.000 | -12.000 | -850.000 |
| GR | -9.000 | -625.000 | -6.000 | -400.000 | -3.000 | -200.000 | -1.500 | -100.000 | .000 | .000 |
| GR | 1.100 | 10.000 | 6.300 | 60.000 | 9.800 | 86.000 | 12.400 | 105.000 | 14.800 | 110.000 |
| GR | 10.500 | 125.000 | 11.500 | 139.000 | 20.800 | 151.000 | 19.700 | 167.000 | 13.500 | 178.000 |
| GR | 7.100 | 206.000 | 7.000 | 209.000 | 6.700 | 307.000 | 5.700 | 327.000 | 4.300 | 338.000 |
| GR | 6.500 | 351.000 | 6.900 | 373.000 | 6.900 | 950.000 | 6.900 | 1000.000 | | |

## LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 8.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2521.005
EROSION AREA = 2520.869

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -1950.000 | -24.000 | -1500.000 | -18.000 | -1050.000 | -15.400 | -963.340 | -15.000 | -950.000 |
| -6.452 | -882.956 | -6.452 | -850.000 | -5.059 | -625.000 | -3.635 | -400.000 | -2.212 | -200.000 |
| -1.500 | -100.000 | -.758 | .000 | -.266 | 10.000 | 2.201 | 60.000 | 3.862 | 86.000 |
| 5.096 | 105.000 | 6.235 | 110.000 | 4.194 | 125.000 | 4.669 | 1[illegible].000 | 9.082 | 151.000 |
| 8.560 | 167.000 | 5.618 | 178.000 | 2.581 | 204.000 | 2.533 | 263.000 | 2.391 | 307.000 |
| 1.916 | 327.000 | 1.252 | 338.000 | 2.296 | 351.000 | 2.486 | 373.000 | 2.486 | 496.686 |
| 3.314 | 493.012 | 6.900 | 503.750 | 6.900 | 505.074 | 6.900 | 512.136 | 6.900 | 519.199 |
| 6.900 | 526.261 | 6.900 | 533.323 | 6.900 | 540.386 | 6.900 | 547.448 | 6.900 | 554.510 |
| 6.900 | 561.573 | 6.900 | 568.635 | 6.900 | 575.697 | 6.900 | 582.760 | 6.900 | 589.822 |
| 6.900 | 596.884 | 6.900 | 603.947 | 6.900 | 611.009 | 6.900 | 618.071 | 6.900 | 625.134 |
| 6.900 | 632.196 | 6.900 | 639.258 | 6.900 | 646.320 | 6.900 | 653.383 | 6.900 | 660.445 |
| 6.900 | 667.507 | 6.900 | 674.570 | 6.900 | 681.632 | 6.900 | 688.696 | 6.900 | 695.757 |
| 6.900 | 702.819 | 6.900 | 709.881 | 6.900 | 716.944 | 6.900 | 724.006 | 6.900 | 731.068 |
| 6.900 | 738.131 | 6.900 | 745.193 | 6.900 | 752.255 | 6.900 | 759.317 | 6.900 | 766.380 |
| 6.900 | 773.442 | 6.900 | 780.504 | 6.900 | 787.567 | 6.900 | 794.629 | 6.900 | 801.691 |
| 6.900 | 808.754 | 6.900 | 815.816 | 6.900 | 822.878 | 6.900 | 829.941 | 6.900 | 837.003 |
| 6.900 | 844.065 | 6.900 | 851.128 | 6.900 | 858.190 | 6.900 | 865.252 | 6.900 | 872.315 |
| 6.900 | 879.377 | 6.900 | 886.439 | 6.900 | 893.501 | 6.900 | 900.564 | 6.900 | 907.626 |
| 6.900 | 914.688 | 6.900 | 921.751 | 6.900 | 928.813 | 6.900 | 935.875 | 6.900 | 942.938 |
| 6.900 | 950.000 | 6.900 | 957.064 | 6.900 | 1000.000 | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 8.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | 1.100 | 10.000 | .300 | 60.000 | 9.800 | 86.000 | 12.600 | 105.000 |
| 14.300 | 110.000 | 10.500 | 125.000 | 11.500 | 139.000 | 20.800 | 151.000 | 19.700 | 167.000 |
| 13.500 | 178.000 | 7.100 | 204.000 | 7.000 | 208.000 | 6.700 | 307.000 | 5.700 | 327.000 |
| 4.300 | 358.000 | 6.300 | 351.000 | 6.900 | 373.000 | 6.900 | 496.686 | 6.900 | 498.012 |
| 6.900 | 503.750 | 6.900 | 505.074 | 6.900 | 512.136 | 6.900 | 519.199 | 6.900 | 526.261 |
| 6.900 | 533.323 | 6.900 | 540.386 | 6.900 | 547.448 | 6.900 | 554.510 | 6.900 | 561.573 |
| 6.900 | 568.635 | 6.900 | 575.697 | 6.900 | 582.760 | 6.900 | 589.822 | 6.900 | 596.884 |
| 6.900 | 603.947 | 6.900 | 611.009 | 6.900 | 618.071 | 6.900 | 625.134 | 6.900 | 632.196 |
| 6.900 | 639.258 | 6.900 | 646.320 | 6.900 | 653.383 | 6.900 | 660.445 | 6.900 | 667.507 |
| 6.900 | 674.570 | 6.900 | 681.632 | 6.900 | 688.694 | 6.900 | 695.757 | 6.900 | 702.819 |
| 6.900 | 709.881 | 6.900 | 716.944 | 6.900 | 724.006 | 6.900 | 731.068 | 6.900 | 738.131 |
| 6.900 | 745.193 | 6.900 | 752.255 | 6.900 | 759.317 | 6.900 | 766.380 | 6.900 | 773.442 |
| 6.900 | 780.504 | 6.900 | 787.567 | 6.900 | 794.629 | 6.900 | 801.691 | 6.900 | 808.754 |
| 6.900 | 815.816 | 6.900 | 822.878 | 6.900 | 829.941 | 6.900 | 837.003 | 6.900 | 844.065 |
| 6.900 | 851.128 | 6.900 | 858.190 | 6.900 | 865.252 | 6.900 | 872.315 | 6.900 | 879.377 |
| 6.900 | 886.439 | 6.900 | 893.501 | 6.900 | 900.564 | 6.900 | 907.626 | 6.900 | 914.688 |
| 6.900 | 921.751 | 6.900 | 928.813 | 6.900 | 935.875 | 6.900 | 942.938 | 6.900 | 950.000 |
| 6.900 | 957.064 | 6.900 | 1000.000 | | | | | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.256 | 10.000 | 2.201 | 60.000 | 3.862 | 86.000 | 5.096 | 105.000 |
| 8.235 | 110.000 | 4.194 | 125.000 | 4.669 | 139.000 | 9.082 | 151.000 | 8.560 | 167.000 |
| 5.618 | 178.000 | 2.551 | 204.000 | 2.533 | 208.000 | 2.391 | 307.000 | 1.916 | 327.000 |
| 1.252 | 358.000 | 2.296 | 351.000 | 2.486 | 373.000 | 2.486 | 496.686 | 3.316 | 498.012 |
| 6.900 | 503.750 | 6.900 | 505.074 | 6.900 | 512.136 | 6.900 | 519.199 | 6.900 | 526.261 |
| 6.900 | 533.323 | 6.900 | 540.386 | 6.900 | 547.448 | 6.900 | 554.510 | 6.900 | 561.573 |
| 6.900 | 568.635 | 6.900 | 575.697 | 6.900 | 582.760 | 6.900 | 589.822 | 6.900 | 596.884 |
| 6.900 | 603.947 | 6.900 | 611.009 | 6.900 | 618.071 | 6.900 | 625.134 | 6.900 | 632.196 |
| 6.900 | 639.258 | 6.900 | 646.320 | 6.900 | 653.383 | 6.900 | 660.445 | 6.900 | 667.507 |
| 6.900 | 674.570 | 6.900 | 681.632 | 6.900 | 688.694 | 6.900 | 695.757 | 6.900 | 702.819 |
| 6.900 | 709.881 | 6.900 | 716.944 | 6.900 | 724.006 | 6.900 | 731.068 | 6.900 | 738.131 |
| 6.900 | 745.193 | 6.900 | 752.255 | 6.900 | 759.317 | 6.900 | 766.380 | 6.900 | 773.442 |
| 6.900 | 780.504 | 6.900 | 787.567 | 6.900 | 794.629 | 6.900 | 801.691 | 6.900 | 808.754 |
| 6.900 | 815.816 | 6.900 | 822.878 | 6.900 | 829.941 | 6.900 | 837.003 | 6.900 | 844.065 |
| 6.900 | 851.128 | 6.900 | 858.190 | 6.900 | 865.252 | 6.900 | 872.315 | 6.900 | 879.377 |
| 6.900 | 886.439 | 6.900 | 893.501 | 6.900 | 900.564 | 6.900 | 907.626 | 6.900 | 914.688 |
| 6.900 | 921.751 | 6.900 | 928.813 | 6.900 | 935.875 | 6.900 | 942.938 | 6.900 | 950.000 |
| 6.900 | 957.064 | 6.900 | 1000.000 | | | | | | |

* * * * * TRANSECT NUMBER 8.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 8.000

```
IR          -.5     24.0      6.3     10.3      1.000      .000      .000      .000
OR    10.0  -.5                                 1.000      .000      .000      .000
OR    15.4   .0                                 1.000      .000      .000      .000
IR    60.0  2.2                                            .000      .000      .000
IR    86.0  3.9                                            .000      .000      .000
IR   105.0  5.1                                            .000      .000      .000
IR   110.0  6.2                                            .000      .000      .000
IR   125.0  4.2                                            .000      .000      .000
IR   139.0  4.7                                            .000      .000      .000
IR   151.0  9.1                                            .000      .000      .000
IR   167.0  8.6                                            .000      .000      .000
IR   178.0  5.6                                            .000      .000      .000
IR   204.0  2.5                                            .000      .000      .000
IR   206.0  2.5                                            .000      .000      .000
IR   307.0  2.4                                            .000      .000      .000
IR   327.0  1.9                                            .000      .000      .000
IR   338.0  1.5                                            .000      .000      .000
IR   351.0  2.3                                            .000      .000      .000
IR   373.0  2.5                                            .000      .000      .000
IR   498.7  2.5                                            .000      .000      .000
IR   498.0  3.3                                            .000      .000      .000
IR   503.7  6.9                                            .000      .000      .000
IR   505.1  6.9                                            .000      .000      .000
IR   512.1  6.9                                            .000      .000      .000
IR   519.2  6.9                                            .000      .000      .000
IR   526.3  6.9                                            .000      .000      .000
IR   533.3  6.9                                            .000      .000      .000
IR   540.4  6.9                                            .000      .000      .000
IR   547.6  6.9                                            .000      .000      .000
IR   554.5  6.9                                            .000      .000      .000
IR   561.6  6.9                                            .000      .000      .000
IR   568.6  6.9                                            .000      .000      .000
IR   575.7  6.9                                            .000      .000      .000
IR   582.8  6.9                                            .000      .000      .000
IR   589.8  6.9                                            .000      .000      .000
IR   596.9  6.9                                            .000      .000      .000
IR   603.9  6.9                                            .000      .000      .000
IR   611.0  6.9                                            .000      .000      .000
IR   618.1  6.9                                            .000      .000      .000
IR   625.1  6.9                                            .000      .000      .000
IR   632.2  6.9                                            .000      .000      .000
IR   639.3  6.9                                            .000      .000      .000
IR   646.3  6.9                                            .000      .000      .000
IR   653.4  6.9                                            .000      .000      .000
IR   660.4  6.9                                            .000      .000      .000
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IR   674.6  6.9                                            .000      .000      .000
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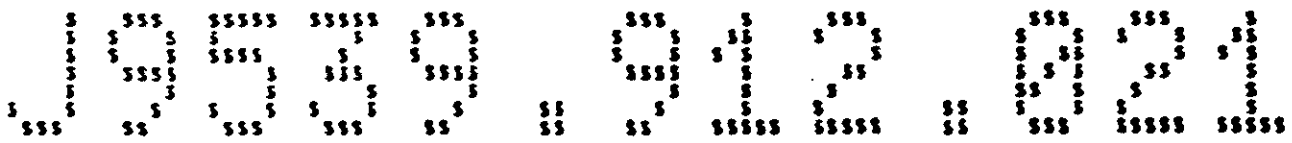

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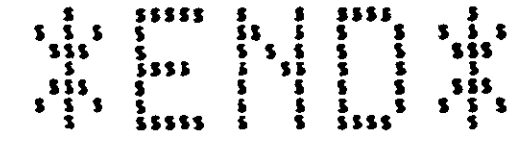
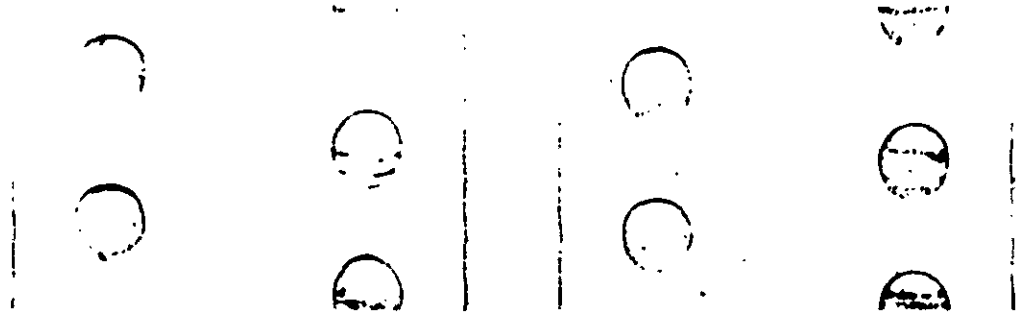


Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00



********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 9

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S=0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 9.000 | 23.000 | -135.000 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -50.000 | -2300.000 | -24.000 | -1725.000 | -18.000 | -1150.000 | -15.000 | -1020.000 | -12.000 | -890.000 |
| GR | -9.000 | -715.000 | -6.000 | -540.000 | -3.000 | -270.000 | -1.500 | -155.000 | .000 | .000 |
| GR | .200 | 1.000 | 6.400 | 81.000 | 10.700 | 104.000 | 14.600 | 108.000 | 20.000 | 126.000 |
| GR | 13.500 | 136.000 | 10.000 | 147.000 | 10.100 | 155.000 | 8.200 | 223.000 | 5.900 | 395.000 |
| GR | 5.900 | 455.000 | 5.900 | 950.000 | 5.900 | 1000.000 | | | | |

59 470

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 9.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD
SLOPE FLATENING FACTOR= 2.107
PIVOT ELEVATION= -2.000 MSL
CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2327.966
EROSION AREA = 2328.107

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -50.000 | -2300.000 | -24.000 | -1725.000 | -18.000 | -1150.000 | -15.000 | -1020.000 | -14.687 | -1006.463 |
| -6.952 | -952.843 | -6.482 | -890.000 | -5.059 | -715.000 | -3.635 | -540.000 | -2.212 | -270.000 |
| -1.500 | -135.000 | -.798 | .000 | -.693 | 1.000 | 2.249 | 81.000 | 4.289 | 104.000 |
| 8.140 | 108.000 | 8.702 | 126.000 | 5.618 | 136.000 | 3.957 | 147.000 | 4.004 | 155.000 |
| 3.103 | 223.000 | 2.011 | 395.000 | 2.011 | 453.000 | 2.011 | 486.686 | 3.835 | 489.604 |
| 5.900 | 492.910 | 5.900 | 495.826 | 5.900 | 502.047 | 5.900 | 508.269 | 5.900 | 514.491 |
| 5.900 | 520.712 | 5.900 | 526.934 | 5.900 | 533.155 | 5.900 | 539.377 | 5.900 | 545.598 |
| 5.900 | 551.820 | 5.900 | 558.042 | 5.900 | 564.263 | 5.900 | 570.485 | 5.900 | 576.706 |
| 5.900 | 582.928 | 5.900 | 589.149 | 5.900 | 595.371 | 5.900 | 601.592 | 5.900 | 607.814 |
| 5.900 | 614.036 | 5.900 | 620.257 | 5.900 | 626.479 | 5.900 | 632.700 | 5.900 | 638.922 |
| 5.900 | 645.143 | 5.900 | 651.365 | 5.900 | 657.587 | 5.900 | 663.808 | 5.900 | 670.030 |
| 5.900 | 676.251 | 5.900 | 682.473 | 5.900 | 688.694 | 5.900 | 694.916 | 5.900 | 701.137 |
| 5.900 | 707.359 | 5.900 | 713.581 | 5.900 | 719.802 | 5.900 | 726.024 | 5.900 | 732.245 |
| 5.900 | 738.467 | 5.900 | 744.688 | 5.900 | 750.910 | 5.900 | 757.132 | 5.900 | 763.353 |
| 5.900 | 769.575 | 5.900 | 775.796 | 5.900 | 782.018 | 5.900 | 788.239 | 5.900 | 794.461 |
| 5.900 | 800.682 | 5.900 | 806.904 | 5.900 | 813.126 | 5.900 | 819.347 | 5.900 | 825.569 |
| 5.900 | 831.790 | 5.900 | 838.012 | 5.900 | 844.233 | 5.900 | 850.455 | 5.900 | 856.677 |
| 5.900 | 862.898 | 5.900 | 869.120 | 5.900 | 875.341 | 5.900 | 881.563 | 5.900 | 887.784 |
| 5.900 | 894.006 | 5.900 | 900.227 | 5.900 | 906.449 | 5.900 | 912.671 | 5.900 | 918.892 |
| 5.900 | 925.114 | 5.900 | 931.335 | 5.900 | 937.557 | 5.900 | 943.778 | 5.900 | 950.000 |
| 5.900 | 956.223 | 5.900 | 1000.000 | | | | | | |

493'

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 9.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | .200 | 1.000 | 6.400 | 81.000 | 10.700 | 104.000 | 14.600 | 108.000 |
| 20.000 | 126.000 | 13.500 | 136.000 | 10.000 | 147.000 | 10.100 | 155.000 | 8.200 | 223.000 |
| 5.900 | 395.000 | 5.900 | 453.000 | 5.900 | 486.686 | 5.900 | 489.604 | 5.900 | 492.910 |
| 5.900 | 495.826 | 5.900 | 502.047 | 5.900 | 508.269 | 5.900 | 514.491 | 5.900 | 520.712 |
| 5.900 | 526.934 | 5.900 | 533.155 | 5.900 | 539.377 | 5.900 | 545.598 | 5.900 | 551.820 |
| 5.900 | 558.042 | 5.900 | 564.263 | 5.900 | 570.485 | 5.900 | 576.706 | 5.900 | 582.928 |
| 5.900 | 589.149 | 5.900 | 595.371 | 5.900 | 601.592 | 5.900 | 607.814 | 5.900 | 614.036 |
| 5.900 | 620.257 | 5.900 | 626.479 | 5.900 | 632.700 | 5.900 | 638.922 | 5.900 | 645.143 |
| 5.900 | 651.365 | 5.900 | 657.587 | 5.900 | 663.808 | 5.900 | 670.030 | 5.900 | 676.251 |
| 5.900 | 682.473 | 5.900 | 688.694 | 5.900 | 694.916 | 5.900 | 701.137 | 5.900 | 707.359 |
| 5.900 | 713.581 | 5.900 | 719.802 | 5.900 | 726.024 | 5.900 | 732.245 | 5.900 | 738.467 |
| 5.900 | 744.688 | 5.900 | 750.910 | 5.900 | 757.132 | 5.900 | 763.353 | 5.900 | 769.575 |
| 5.900 | 775.796 | 5.900 | 782.018 | 5.900 | 788.239 | 5.900 | 794.461 | 5.900 | 800.682 |
| 5.900 | 806.904 | 5.900 | 813.126 | 5.900 | 819.347 | 5.900 | 825.569 | 5.900 | 831.790 |
| 5.900 | 838.012 | 5.900 | 844.233 | 5.900 | 850.455 | 5.900 | 856.677 | 5.900 | 862.898 |
| 5.900 | 869.120 | 5.900 | 875.341 | 5.900 | 881.563 | 5.900 | 887.784 | 5.900 | 894.006 |
| 5.900 | 900.227 | 5.900 | 906.449 | 5.900 | 912.671 | 5.900 | 918.892 | 5.900 | 925.114 |
| 5.900 | 931.335 | 5.900 | 937.557 | 5.900 | 943.778 | 5.900 | 950.000 | 5.900 | 956.223 |
| 5.900 | 1000.000 | | | | | | | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.693 | 1.000 | 2.249 | 81.000 | 4.289 | 104.000 | 6.140 | 108.000 |
| 8.702 | 126.000 | 5.618 | 136.000 | 3.957 | 147.000 | 4.004 | 155.000 | 3.103 | 223.000 |
| 2.011 | 395.000 | 2.011 | 453.000 | 2.011 | 486.686 | 3.835 | 489.604 | 5.900 | 492.910 |
| 5.900 | 495.826 | 5.900 | 502.047 | 5.900 | 508.269 | 5.900 | 514.491 | 5.900 | 520.712 |
| 5.900 | 526.934 | 5.900 | 533.155 | 5.900 | 539.377 | 5.900 | 545.598 | 5.900 | 551.820 |
| 5.900 | 558.042 | 5.900 | 564.263 | 5.900 | 570.485 | 5.900 | 576.706 | 5.900 | 582.928 |
| 5.900 | 589.149 | 5.900 | 595.371 | 5.900 | 601.592 | 5.900 | 607.814 | 5.900 | 614.036 |
| 5.900 | 620.257 | 5.900 | 626.479 | 5.900 | 632.700 | 5.900 | 638.922 | 5.900 | 645.143 |
| 5.900 | 651.365 | 5.900 | 657.587 | 5.900 | 663.808 | 5.900 | 670.030 | 5.900 | 676.251 |
| 5.900 | 682.473 | 5.900 | 688.694 | 5.900 | 694.916 | 5.900 | 701.137 | 5.900 | 707.359 |
| 5.900 | 713.581 | 5.900 | 719.802 | 5.900 | 726.024 | 5.900 | 732.245 | 5.900 | 738.467 |
| 5.900 | 744.688 | 5.900 | 750.910 | 5.900 | 757.132 | 5.900 | 763.353 | 5.900 | 769.575 |
| 5.900 | 775.796 | 5.900 | 782.018 | 5.900 | 788.239 | 5.900 | 794.461 | 5.900 | 800.682 |
| 5.900 | 806.904 | 5.900 | 813.126 | 5.900 | 819.347 | 5.900 | 825.569 | 5.900 | 831.790 |
| 5.900 | 838.012 | 5.900 | 844.233 | 5.900 | 850.455 | 5.900 | 856.677 | 5.900 | 862.898 |
| 5.900 | 869.120 | 5.900 | 875.341 | 5.900 | 881.563 | 5.900 | 887.784 | 5.900 | 894.006 |
| 5.900 | 900.227 | 5.900 | 906.449 | 5.900 | 912.671 | 5.900 | 918.892 | 5.900 | 925.114 |
| 5.900 | 931.335 | 5.900 | 937.557 | 5.900 | 943.778 | 5.900 | 950.000 | 5.900 | 956.223 |
| 5.900 | 1000.000 | | | | | | | | |

* * * * * TRANSECT NUMBER 9.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 9.000

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IE .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF 1.0 | -.7 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| OF 19.9 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF 81.0 | 2.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 104.0 | 4.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 108.0 | 5.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 126.0 | 8.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 138.0 | 5.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 167.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 193.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 223.0 | 3.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 393.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 453.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 486.7 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 489.6 | 3.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 492.9 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 495.8 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 502.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 508.3 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 514.5 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 520.7 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 526.9 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 533.2 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 539.4 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 545.6 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 551.8 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 558.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 564.3 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 570.5 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 576.7 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 582.9 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 589.1 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 595.4 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 601.6 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 607.8 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 614.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 620.3 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 626.5 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 632.7 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 638.9 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 645.1 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 651.4 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 657.6 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 663.8 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 670.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 676.0 | 5.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 10

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-0.97 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | TRACE | | |
| X1 | 10.000 | 24.000 | -100.000 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -1800.000 | -24.000 | -1350.000 | -18.000 | -900.000 | -15.000 | -750.000 | -12.000 | -600.000 |
| GR | -9.000 | -500.000 | -6.000 | -400.000 | -3.000 | -200.000 | -1.500 | -100.000 | .000 | .000 |
| GR | .300 | 9.000 | 6.000 | 73.000 | 11.000 | 92.000 | 15.600 | 102.000 | 21.600 | 115.000 |
| GR | 22.600 | 141.000 | 17.700 | 154.000 | 11.500 | 179.000 | 9.000 | 199.000 | 8.700 | 216.000 |
| GR | 7.500 | 265.000 | 5.100 | 462.000 | 5.600 | 504.000 | 5.600 | 1000.000 | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 10.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1662.674
EROSION AREA = 1642.337

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -1800.000 | -24.000 | -1350.000 | -18.000 | -900.000 | -15.000 | -750.000 | -14.607 | -720.373 |
| -8.952 | -849.435 | -8.482 | -600.000 | -5.059 | -500.000 | -3.635 | -400.000 | -2.212 | -200.000 |
| -1.500 | -100.000 | -.788 | .000 | -.646 | 9.000 | 2.059 | 73.000 | 4.631 | 92.000 |
| 6.319 | 102.000 | 9.461 | 115.000 | 9.936 | 141.000 | 7.611 | 154.000 | 4.669 | 179.000 |
| 3.482 | 199.000 | 3.340 | 216.000 | 2.841 | 257.199 | 6.665 | 263.000 | 7.480 | 264.624 |
| 7.410 | 270.425 | 5.100 | 462.000 | 5.600 | 504.000 | 5.600 | 1000.000 | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 10.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | .300 | 9.000 | 6.000 | 73.000 | 11.000 | 92.000 | 15.400 | 102.000 |
| 21.600 | 115.000 | 22.600 | 141.000 | 17.700 | 154.000 | 11.500 | 179.000 | 9.000 | 199.000 |
| 8.700 | 216.000 | 7.668 | 257.199 | 7.500 | 263.000 | 7.480 | 264.624 | 7.410 | 270.425 |
| 5.100 | 462.000 | 5.600 | 504.000 | 5.600 | 1000.000 | | | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.646 | 9.000 | 2.059 | 73.000 | 4.431 | 92.000 | 6.519 | 102.000 |
| 9.461 | 115.000 | 9.936 | 141.000 | 7.611 | 154.000 | 4.669 | 179.000 | 3.482 | 199.000 |
| 5.340 | 216.000 | 2.841 | 257.199 | 6.465 | 263.000 | 7.480 | 264.624 | 7.410 | 270.425 |
| 5.100 | 462.000 | 5.600 | 504.000 | 5.600 | 1000.000 | | | | |

* * * * * TRANSECT NUMBER 10.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 10.000

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF | 9.0 | -.5 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| OF | 24.3 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF | 75.0 | 2.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 92.0 | 4.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 102.0 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 115.0 | 9.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 141.0 | 9.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 154.0 | 7.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 179.0 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 199.0 | 3.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 216.0 | 3.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 257.2 | 2.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 263.0 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 264.6 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 270.4 | 7.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 462.0 | 5.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 504.0 | 5.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 674.0 | 5.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET | 1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

```
T1   ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 11
T2   BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

     PBP        SLOPE FLAT  OFFSHORE  ONSHORE
     ELEVATION  FACTOR      CL ANGLE  CL ANGLE
J1     -2.000    -99.000      6.000    32.000      .000      .000      .000      .000      .000      .000

     TRANSECT  NO. OF      PBP        STILL      TIDE                            SMALLEST
     NO.       GR POINTS  STATION    WATER EL   ELEVATION  LATITUDE  S-D.97      TRACE
X1     11.000    25.000  -122.500     10.300      1.000     34.450     1.000     1.000      .000      .000

     RADIUS TO  SEDIMENT                                  TRANS     END OF    10-YEAR    NMAFIS    NGVD-
     MAX WIND   DIAMETER    F-G,E       F-N      SPEED     EROSION   STILL EL   OPTION    MSL
X2     28.750      .400      .800        .900    11.500    674.000     6.300     1.000     -.500      .000

     ELEVATION STATION   ELEVATION STATION   ELEVATION STATION   ELEVATION STATION   ELEVATION STATION
GR     -30.000 -2000.000   -24.000 -1520.000   -18.000 -1040.000   -15.000  -910.000   -12.000  -780.000
GR      -9.000  -650.000    -6.000  -490.000    -3.000  -245.000    -1.500  -122.500      .000      .000
GR        .200    12.000     6.800   112.000    11.300   141.000    12.000   147.000    15.500   165.000
GR      14.500   177.000     8.900   195.000     8.500   212.000     8.800   264.000     8.900   306.000
GR       8.800   351.000     8.500   385.000     7.700   458.000     7.200   571.000     7.200  1000.000
```

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 11.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD PIVOT ELEVATION= -2.000 MSL
SLOPE FLATENING FACTOR= 2.107 CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2055.021
EROSION AREA = 2054.653

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -2000.000 | -24.000 | -1520.000 | -18.000 | -1040.000 | -15.000 | -910.000 | -14.687 | -896.443 |
| -6.952 | -822.863 | -6.482 | -780.000 | -5.059 | -630.000 | -3.635 | -490.000 | -2.212 | -243.000 |
| -1.500 | -122.500 | -.788 | .000 | -.693 | 12.000 | 2.638 | 112.000 | 6.574 | 141.000 |
| 4.906 | 147.000 | 6.567 | 165.000 | 6.092 | 177.000 | 3.635 | 195.000 | 3.245 | 212.000 |
| 3.387 | 264.000 | 3.435 | 306.000 | 3.387 | 351.000 | 3.245 | 383.000 | 3.123 | 407.132 |
| 5.494 | 410.927 | 8.157 | 415.188 | 8.117 | 418.948 | 8.032 | 426.897 | 7.948 | 434.776 |
| 7.864 | 442.586 | 7.782 | 450.327 | 7.700 | 458.000 | 7.666 | 465.682 | 7.200 | 571.000 |
| 7.200 | 1000.000 | | | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 11.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | -.200 | 12.000 | 6.800 | 112.000 | 11.300 | 141.000 | 12.000 | 167.000 |
| 15.500 | 165.000 | 14.500 | 177.000 | 8.900 | 195.000 | 8.500 | 212.000 | 8.800 | 266.000 |
| 8.900 | 306.000 | 8.800 | 351.000 | 8.500 | 383.000 | 8.243 | 407.132 | 8.202 | 410.927 |
| 8.157 | 415.188 | 8.117 | 418.948 | 8.032 | 426.897 | 7.948 | 434.776 | 7.864 | 442.586 |
| 7.782 | 450.327 | 7.700 | 458.000 | 7.666 | 465.682 | 7.200 | 571.000 | 7.200 | 1000.000 |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.693 | 12.000 | 2.438 | 112.000 | 4.574 | 141.000 | 4.906 | 167.000 |
| 6.567 | 165.000 | 6.092 | 177.000 | 3.435 | 195.000 | 3.245 | 212.000 | 3.387 | 264.000 |
| 3.435 | 306.000 | 3.387 | 351.000 | 3.245 | 383.000 | 3.123 | 407.132 | 3.494 | 410.927 |
| 8.157 | 415.188 | 8.117 | 418.948 | 8.032 | 426.897 | 7.948 | 434.776 | 7.864 | 442.586 |
| 7.782 | 450.327 | 7.700 | 458.000 | -7.666 | 465.682 | 7.200 | 571.000 | 7.200 | 1000.000 |

* * * * * TRANSECT NUMBER 11.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 11.000

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IE .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF 12.0 | -.7 | .0 | .0 | .0 | 1.00 | .0 | .0 | .0 | .0 |
| OF 34.1 | .0 | .0 | .0 | .0 | 1.00 | .0 | .0 | .0 | .0 |
| IF 112.0 | 2.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 141.0 | 4.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 147.0 | 4.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 165.0 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 177.0 | 6.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 195.0 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 212.0 | 3.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 264.0 | 3.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 305.0 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 351.0 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 383.0 | 3.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 407.1 | 3.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 410.9 | 5.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 415.2 | 8.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 418.9 | 8.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 426.9 | 8.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 436.8 | 7.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 442.6 | 7.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 450.3 | 7.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 458.0 | 7.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 465.7 | 7.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 573.0 | 7.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 674.0 | 7.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 12

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-D.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 12.000 | 26.000 | -125.000 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -2000.000 | -24.000 | -1500.000 | -18.000 | -1000.000 | -15.000 | -850.000 | -12.000 | -700.000 |
| GR | -9.000 | -600.000 | -6.000 | -500.000 | -3.000 | -250.000 | -1.500 | -125.000 | -.800 | -62.500 |
| GR | .000 | .000 | .100 | 5.000 | 7.300 | 117.000 | 10.900 | 149.000 | 13.600 | 156.000 |
| GR | 20.100 | 165.000 | 13.900 | 191.000 | 10.700 | 214.000 | 9.600 | 243.000 | 7.000 | 281.000 |
| GR | 6.400 | 311.000 | 6.500 | 341.000 | 5.700 | 527.000 | 6.000 | 581.000 | 6.100 | 621.000 |
| GR | 6.400 | 674.000 | | | | | | | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 12.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD
SLOPE FLATENING FACTOR= 2.107
PIVOT ELEVATION= -2.000 MSL
CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1731.350
EROSION AREA = 1731.254

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -30.000 | -2000.000 | -24.000 | -1500.000 | -18.000 | -1000.000 | -15.000 | -850.000 | -14.407 | -820.373 |
| -6.952 | -749.435 | -6.482 | -700.000 | -5.059 | -600.000 | -3.635 | -500.000 | -2.212 | -250.000 |
| -1.500 | -125.000 | -1.168 | -62.500 | -.788 | .000 | -.741 | 5.000 | 2.676 | 117.000 |
| 4.384 | 149.000 | 5.865 | 156.000 | 8.749 | 165.000 | 5.807 | 191.000 | 4.289 | 214.000 |
| 3.767 | 243.000 | 2.533 | 281.000 | 2.249 | 311.000 | 2.295 | 340.157 | 2.822 | 341.000 |
| 6.475 | 346.846 | 6.471 | 347.682 | 5.700 | 527.000 | 6.000 | 581.000 | 6.100 | 621.000 |
| 6.400 | 674.000 | | | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 12.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | -.100 | 5.000 | 7.300 | 117.000 | 10.900 | 149.000 | 13.600 | 156.000 |
| 20.100 | 165.000 | 15.900 | 191.000 | 10.700 | 214.000 | 9.600 | 243.000 | 7.000 | 281.000 |
| 6.400 | 311.000 | 6.497 | 340.157 | 6.500 | 341.000 | 6.475 | 346.846 | 6.471 | 347.682 |
| 5.700 | 527.000 | 6.000 | 581.000 | 6.100 | 621.000 | 6.400 | 674.000 | | |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.761 | 5.000 | 2.676 | 117.000 | 4.384 | 149.000 | 5.665 | 156.000 |
| 8.749 | 165.000 | 5.807 | 191.000 | 4.289 | 214.000 | 3.767 | 243.000 | 2.535 | 281.000 |
| 2.249 | 311.000 | 2.295 | 340.157 | 2.822 | 341.000 | 6.475 | 346.846 | 6.471 | 347.682 |
| 5.700 | 527.000 | 6.000 | 581.000 | 6.100 | 621.000 | 6.400 | 674.000 | | |

* * * * * TRANSECT NUMBER 12.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 12.000

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF | 5.0 | -.7 | .00 | .0 | .0 | 1.00 | .00 | .00 | .0 | .0 |
| OF | 29.3 | .0 | .00 | .0 | .0 | 1.00 | .00 | .00 | .0 | .0 |
| IF | 117.0 | 2.7 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 149.0 | 4.4 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 156.0 | 5.7 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 165.0 | 8.7 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 191.0 | 5.8 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 214.0 | 4.5 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 243.0 | 3.8 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 281.0 | 2.5 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 311.0 | 2.2 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 340.2 | 2.5 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 361.0 | 2.8 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 366.8 | 6.5 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 567.7 | 6.5 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 527.0 | 5.7 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 581.0 | 6.0 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 621.0 | 6.7 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| IF | 676.0 | 6.4 | .00 | .0 | .0 | .00 | .00 | .00 | .0 | .0 |
| ET | 1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 13

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-0.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 13.000 | 26.000 | -187.500 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G-E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -2050.000 | -24.000 | -1635.000 | -18.000 | -1220.000 | -15.000 | -1070.000 | -12.000 | -920.000 |
| GR | -9.000 | -835.000 | -6.000 | -750.000 | -3.000 | -375.000 | -1.500 | -187.500 | .000 | .000 |
| GR | .500 | 11.000 | 7.100 | 121.000 | 9.800 | 140.000 | 13.500 | 171.000 | 10.400 | 195.000 |
| GR | 8.000 | 227.000 | 7.100 | 270.000 | 7.900 | 288.000 | 6.900 | 320.000 | 6.800 | 360.000 |
| GR | 6.500 | 466.000 | 6.900 | 509.000 | 6.000 | 592.000 | 4.900 | 670.000 | 4.600 | 713.000 |
| GR | 4.600 | 1000.000 | | | | | | | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 13.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD
SLOPE FLATENING FACTOR= 2.107

PIVOT ELEVATION= -2.000 MSL
CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 1834.805
EROSION AREA = 1834.591

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -50.000 | -2050.000 | -24.000 | -1635.000 | -18.000 | -1220.000 | -15.000 | -1070.000 | -14.407 | -1040.373 |
| -6.952 | -969.435 | -6.482 | -920.000 | -5.059 | -835.000 | -3.635 | -750.000 | -2.212 | -375.000 |
| -1.500 | -187.500 | -.788 | .000 | -.551 | 11.000 | 2.581 | 121.000 | 3.862 | 160.000 |
| 5.613 | 171.000 | 4.147 | 195.000 | 3.008 | 227.000 | 2.581 | 270.000 | 2.960 | 288.000 |
| 2.486 | 320.000 | 2.438 | 360.000 | 2.392 | 394.939 | 4.406 | 398.162 | 6.682 | 401.805 |
| 6.673 | 405.019 | 6.653 | 411.859 | 6.634 | 418.683 | 6.615 | 425.691 | 6.595 | 432.282 |
| 6.576 | 439.058 | 6.557 | 445.817 | 6.538 | 452.561 | 6.519 | 459.288 | 6.500 | 466.000 |
| 6.564 | 472.829 | 6.900 | 509.000 | 6.000 | 592.000 | 4.900 | 670.000 | 4.600 | 713.000 |
| 4.600 | 1000.000 | | | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 13.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | -.500 | 11.000 | 7.100 | 121.000 | 9.800 | 140.000 | 13.500 | 171.000 |
| 10.400 | 195.000 | 8.000 | 227.000 | 7.100 | 270.000 | 7.900 | 288.000 | 6.900 | 320.000 |
| 6.800 | 360.000 | 6.701 | 394.939 | 6.692 | 398.162 | 6.682 | 401.805 | 6.673 | 405.019 |
| 6.653 | 411.859 | 6.634 | 418.683 | 6.615 | 425.491 | 6.595 | 432.282 | 6.576 | 439.058 |
| 6.557 | 465.817 | 6.538 | 452.561 | 6.519 | 459.288 | 6.500 | 466.000 | 6.564 | 472.829 |
| 6.900 | 509.000 | 6.000 | 592.000 | 4.900 | 670.000 | 4.600 | 713.000 | 4.600 | 1000.000 |

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.551 | 11.000 | 2.581 | 121.000 | 3.862 | 140.000 | 5.618 | 171.000 |
| 4.147 | 195.000 | 3.008 | 227.000 | 2.581 | 270.000 | 2.960 | 288.000 | 2.486 | 320.000 |
| 2.438 | 360.000 | 2.392 | 394.939 | 4.406 | 398.162 | 6.682 | 401.805 | 6.673 | 405.019 |
| 6.653 | 411.859 | 6.634 | 418.683 | 6.615 | 425.491 | 6.595 | 432.282 | 6.576 | 439.058 |
| 6.557 | 465.817 | 6.538 | 452.561 | 6.519 | 459.288 | 6.500 | 466.000 | 6.564 | 472.829 |
| 6.900 | 509.000 | 6.000 | 592.000 | 4.900 | 670.000 | 4.600 | 713.000 | 4.600 | 1000.000 |

* * * * * TRANSECT NUMBER 13.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 13.000

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| IE .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF 11.0 | -.8 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| OF 30.4 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF 121.0 | 2.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 140.0 | 3.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 171.0 | 5.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 195.0 | 4.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 227.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 270.0 | 2.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 288.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 320.0 | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 350.0 | 2.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 396.9 | 2.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 398.2 | 4.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 401.8 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 405.0 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 411.9 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 418.7 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 425.5 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 432.3 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 439.1 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 445.8 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 452.6 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 459.3 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 466.0 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 472.8 | 6.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 509.0 | 6.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 592.0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 670.0 | 4.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF 574.0 | 4.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET1000.0 | 1000.0 | 5.0 | | | | | | | |

********** LISTING OF INPUT DATA **********

T1 ONSLOW COUNTY, NORTH CAROLINA - 6/86 - TRANSECT 14

T2 BEACH PROFILE - 5/86 COE SURVEY / OFFSHORE PROFILE - USGS QUAD

| | PBP ELEVATION | SLOPE FLAT FACTOR | OFFSHORE CL ANGLE | ONSHORE CL ANGLE | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| J1 | -2.000 | -99.000 | 6.000 | 32.000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | TRANSECT NO. | NO. OF GR POINTS | PBP STATION | STILL WATER EL | TIDE ELEVATION | LATITUDE | SMALLEST S-D.97 | TRACE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X1 | 14.000 | 24.000 | -157.500 | 10.300 | 1.000 | 34.450 | 1.000 | 1.000 | .000 | .000 |

| | RADIUS TO MAX WIND | SEDIMENT DIAMETER | F-G,E | F-M | TRANS SPEED | END OF EROSION | 10-YEAR STILL EL | WHAFIS OPTION | NGVD-MSL | |
|---|---|---|---|---|---|---|---|---|---|---|
| X2 | 28.750 | .400 | .800 | .900 | 11.500 | 674.000 | 6.300 | 1.000 | -.500 | .000 |

| | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|---|
| GR | -30.000 | -2190.000 | -24.000 | -1670.000 | -18.000 | -1150.000 | -15.000 | -1025.000 | -12.000 | -900.000 |
| GR | -9.000 | -765.000 | -6.000 | -630.000 | -3.000 | -315.000 | -1.500 | -157.500 | .000 | .000 |
| GR | .600 | 5.000 | 6.800 | 98.000 | 11.800 | 120.000 | 14.800 | 143.000 | 8.600 | 166.000 |
| GR | 8.900 | 200.000 | 7.800 | 271.000 | 7.600 | 333.000 | 7.300 | 390.000 | 6.600 | 483.000 |
| GR | 6.300 | 542.000 | 5.400 | 621.000 | 5.400 | 744.000 | 5.400 | 1000.000 | | |

LISTING OF OUTPUT

* * * * * TRANSECT NUMBER 14.000 * * * * *_DUNE EROSION ANALYSIS_

STILL WATER ELEVATION= 10.300 NGVD
SLOPE FLATENING FACTOR= 2.107
PIVOT ELEVATION= -2.000 MSL
CLOSURE DEPTH= -12.989 NGVD

DEPOSITION AREA = 2085.470
EROSION AREA = 2085.059

AFTER STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -50.000 | -2190.000 | -24.000 | -1670.000 | -18.000 | -1150.000 | -15.000 | -1025.000 | -14.775 | -1015.633 |
| -6.952 | -941.196 | -6.482 | -900.000 | -5.059 | -765.000 | -3.635 | -630.000 | -2.212 | -315.000 |
| -1.500 | -157.500 | -.788 | .000 | -.598 | 8.000 | 2.438 | 98.000 | 4.811 | 120.000 |
| 6.235 | 143.000 | 3.293 | 166.000 | 3.435 | 200.000 | 2.913 | 271.000 | 2.618 | 333.000 |
| 2.676 | 390.000 | 2.537 | 428.946 | 6.130 | 434.696 | 6.954 | 436.014 | 6.911 | 441.727 |
| 6.858 | 448.714 | 6.806 | 455.658 | 6.754 | 462.558 | 6.702 | 469.415 | 6.651 | 476.229 |
| 6.600 | 483.000 | 6.566 | 489.757 | 6.300 | 542.000 | 5.400 | 621.000 | 5.400 | 744.000 |
| 5.400 | 1000.000 | | | | | | | | |

ONSHORE SEGMENT OF TRANSECT
FROM PRE-STORM ZERO NGVD.
TRANSECT NO. 14.000

PRE-STORM TRANSECT:

| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| .000 | .000 | -.400 | 8.000 | 6.800 | 98.000 | 11.600 | 120.000 | 14.500 | 143.000 |
| 8.600 | 166.000 | 8.900 | 200.000 | 7.800 | 271.000 | 7.600 | 333.000 | 7.300 | 390.000 |
| 7.007 | 428.946 | 6.964 | 434.696 | 6.954 | 436.014 | 6.911 | 441.727 | 6.858 | 468.714 |
| 6.806 | 455.658 | 6.754 | 462.558 | 6.702 | 469.415 | 6.651 | 476.229 | 6.600 | 483.000 |
| 6.566 | 489.757 | 6.300 | 542.000 | 5.400 | 621.000 | 5.400 | 744.000 | 5.400 | 1000.000 |

AFTER STORM TRANSECT:

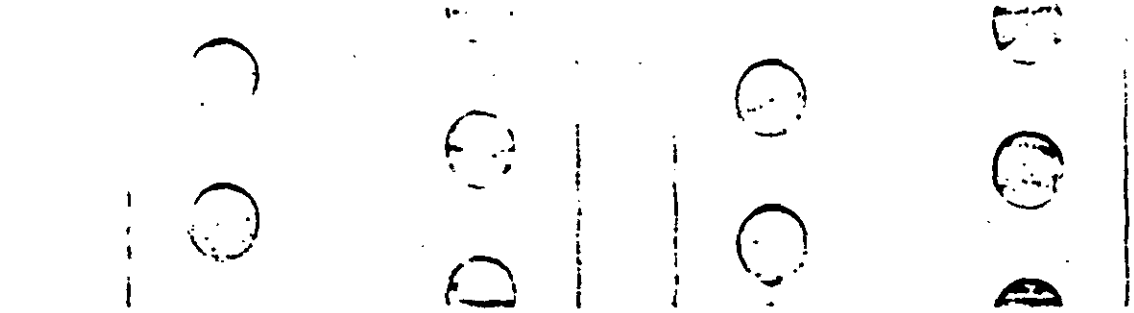
| ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION | STATION |
|---|---|---|---|---|---|---|---|---|---|
| -.788 | .000 | -.598 | 8.000 | 2.438 | 98.000 | 4.811 | 120.000 | 6.235 | 143.000 |
| 3.293 | 166.000 | 3.435 | 200.000 | 2.913 | 271.000 | 2.818 | 333.000 | 2.676 | 390.000 |
| 2.537 | 428.946 | 6.130 | 434.696 | 6.954 | 436.014 | 6.911 | 441.727 | 6.858 | 468.714 |
| 6.806 | 455.658 | 6.754 | 462.558 | 6.702 | 469.415 | 6.651 | 476.229 | 6.600 | 483.000 |
| 6.566 | 489.757 | 6.300 | 542.000 | 5.400 | 621.000 | 5.400 | 744.000 | 5.400 | 1000.000 |

* * * * * TRANSECT NUMBER 14.000 * * * * *_WAVE HEIGHT INPUT GENERATOR_

LISTING OF WAVE HEIGHT ANALYSIS INPUT

TRANSECT NO. 14.000

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .0 | -.8 | 24.0 | 6.3 | 10.3 | .0 | .0 | .0 | .0 | .0 |
| OF | 8.0 | -.8 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| OF | 25.7 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 |
| IF | 98.0 | 2.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 120.0 | 4.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 143.0 | 6.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 166.0 | 3.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 200.0 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 271.0 | 2.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 353.0 | 2.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 390.0 | 2.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 428.9 | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 434.7 | 6.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 436.0 | 7.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 441.7 | 6.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 448.7 | 6.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 455.7 | 6.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 462.6 | 6.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 469.4 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 476.2 | 6.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 483.0 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 489.8 | 6.6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 542.0 | 6.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 621.0 | 5.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| IF | 674.0 | 5.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ET | 1000.0 | 1000.0 | 5.0 | | | | | | | |



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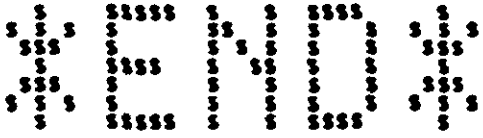
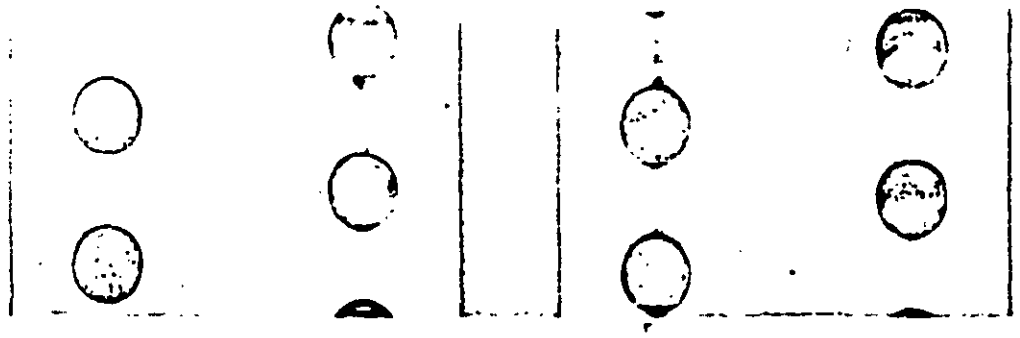


Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00



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COAST3.WHAFIS.ONSLO

Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00

NEW ONSLOW
WHAFIS
WITH ADJUSTED
SWEL
TRANSFER
IT

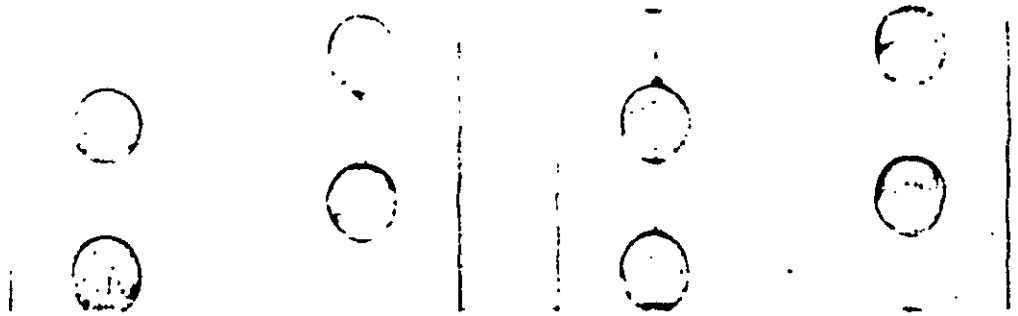
WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 14.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 8.300 | -.600 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 25.700 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 98.000 | 2.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 120.000 | 4.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 143.000 | 6.200 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 166.000 | 3.300 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 400.000 | 3.400 | .000 | 9.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 271.000 | 2.900 | .000 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 333.000 | 2.800 | .000 | 9.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 390.000 | 2.700 | .000 | 8.600 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 423.900 | 2.500 | .000 | 8.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 434.700 | 6.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 436.000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 441.700 | 6.900 | .000 | 8.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 448.700 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 455.700 | 6.800 | .000 | 8.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 462.600 | 6.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 469.400 | 6.700 | .000 | 8.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 476.200 | 6.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 483.000 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 489.500 | 6.600 | .000 | 7.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 542.000 | 6.300 | .000 | 7.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 521.000 | 5.400 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 574.000 | 5.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| EF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

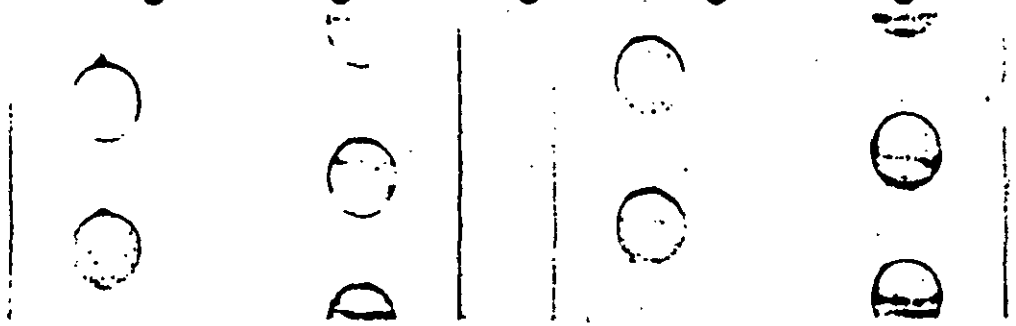
DIST START (GUAM)

STATE 710



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 8.000 | END ELEVATION -.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 25.700 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 98.000 | END ELEVATION 2.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 120.000 | END ELEVATION 4.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 143.000 | END ELEVATION 6.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 166.000 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 200.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 271.000 | END ELEVATION 2.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.400 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 333.000 | END ELEVATION 2.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 390.000 | END ELEVATION 2.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.600 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 428.900 | END ELEVATION 2.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 434.700 | END ELEVATION 6.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 436.000 | END ELEVATION 7.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 441.700 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.200 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 448.700 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 455.700 | END ELEVATION 6.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 462.600 | END ELEVATION 6.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 469.400 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 476.200 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 483.000 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 489.800 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 542.000 | END ELEVATION 6.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 621.000 | END ELEVATION 5.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 674.000 | END ELEVATION 5.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |



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

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

PART2 WAVE HEIGHTS AND ELEVATIONS

| | LOCATION | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 8.00 | 8.03 | 15.92 |
| OF | 25.70 | 8.03 | 15.92 |
| IF | 98.00 | 6.16 | 14.61 |
| IF | 120.00 | 4.29 | 13.30 |
| IF | 143.00 | 3.20 | 12.54 |
| IF | 166.00 | 3.20 | 12.44 |
| IF | 200.00 | 3.20 | 12.24 |
| ROAD ON QUAY → IF | 271.00 | 3.20 | 11.89 |
| IF | 333.00 | 3.20 | 11.44 |
| IF | 390.00 | 3.20 | 11.04 |
| IF | 428.90 | 3.20 | 10.69 |
| IF | 434.70 | 1.72 | 9.50 |
| IF | 436.00 | 1.01 | 9.01 |
| IF | 441.70 | 1.01 | 8.96 |
| IF | 448.70 | 1.01 | 8.91 |
| IF | 455.70 | 1.01 | 8.86 |
| IF | 462.60 | 1.01 | 8.81 |
| IF | 469.40 | 1.01 | 8.76 |
| IF | 476.20 | 1.01 | 8.71 |
| IF | 483.00 | 1.01 | 8.71 |
| IF | 489.80 | 1.01 | 8.66 |
| IF | 542.00 | .94 | 8.36 |
| NC 710 → IF | 621.00 | .94 | 7.91 |
| IF | 674.00 | .94 | 7.66 |

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .94 WHICH EXCEEDS 0.5.

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 166.00 | 6.30 | 10.10 |
| 200.00 | 6.30 | 9.90 |
| 271.00 | 6.30 | 9.40 |
| 333.00 | 6.30 | 9.00 |
| 390.00 | 6.30 | 8.60 |
| 428.90 | 6.30 | 8.30 |
| 441.70 | 6.30 | 8.20 |
| 455.70 | 6.30 | 8.10 |
| 469.40 | 6.30 | 8.00 |
| 489.80 | 6.30 | 7.90 |
| 542.00 | 6.30 | 7.50 |
| 621.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 429.68 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF |
|---|---|---|---|
| .00 | 15.92 | V12 EL=16 | 60 |
| 49.08 | 15.50 | V12 EL=15 | 60 |
| 99.90 | 14.50 | V12 EL=14 | 60 |
| 116.69 | 13.50 | V12 EL=13 | 60 |

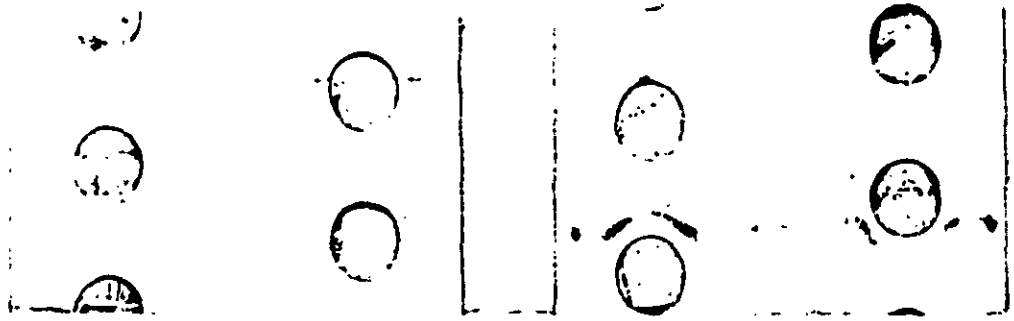
V12 EL=16

V12 EL=15

V12 EL=14

FINAL MAPPED ZONES

V12 EL=16



| | | | | |
|---|---|---|---|---|
| | 143.00 | 12.54 | | |
| | | | V12 EL=13 | 60 |
| | 151.88 | 12.50 | | |
| | | | V12 EL=12 | 60 |
| | 166.00 | 12.44 | | |
| | | | V11 EL=12 | 55 |
| | 200.00 | 12.24 | | |
| | | | V10 EL=12 | 50 |
| PUMP ON QUAD → | 271.00 | 11.89 | | |
| | | | V 9 EL=12 | 45 |
| | 324.79 | 11.50 | | |
| | | | V 8 EL=11 | 40 |
| | 333.00 | 11.44 | | |
| | | | V 7 EL=11 | 35 |
| | 390.00 | 11.04 | | |
| | | | V 6 EL=11 | 30 |
| | 428.90 | 10.69 | | |
| | | | V 6 EL=11 | 30 |
| | 429.68 | 10.40 | | |
| | | | A 4 EL=11 | 20 |
| | 429.83 | 10.50 | | |
| | | | A 4 EL=10 | 20 |
| | 434.70 | 9.50 | | |
| | | | A 4 EL= 9 | 20 |
| | 436.00 | 9.01 | | |
| | | | A 4 EL= 9 | 20 |
| | 441.70 | 8.96 | | |
| | | | A 4 EL= 9 | 20 |
| | 448.70 | 8.91 | | |
| | | | A 4 EL= 9 | 20 |
| | 455.70 | 8.86 | | |
| | | | A 4 EL= 9 | 20 |

V12 EL=13

V12 EL=12

V12 EL=11

A4 EL=10

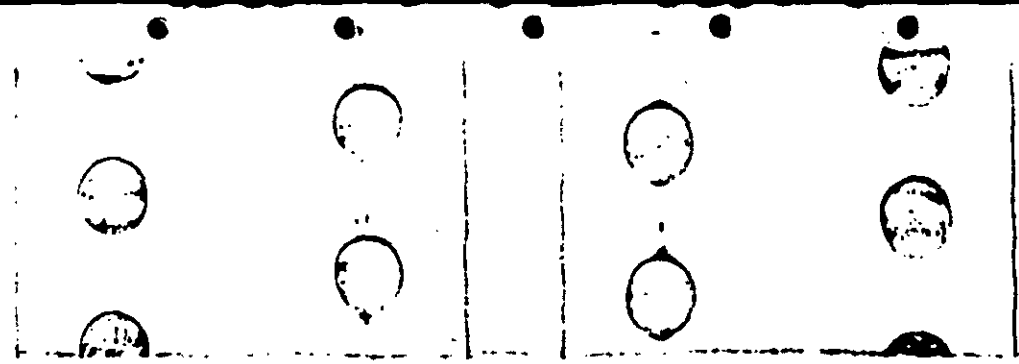
V12 EL=14

V12 EL=12

V12 EL=11

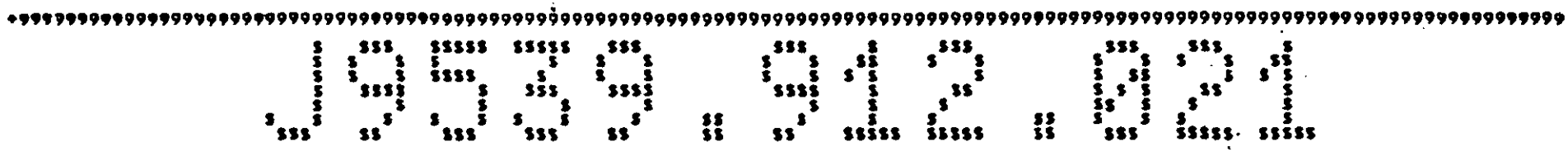
A4 EL=10

OK



| | | | | | |
|---|---|---|---|---|---|
| | 462.60 | 8.81 | | | |
| | | | A 4 EL= 9 | 20 | |
| | 469.60 | 8.76 | | | |
| | | | A 4 EL= 9 | 20 | A4 EL=9 |
| | 483.00 | 8.71 | | | |
| | | | A 4 EL= 9 | 20 | A9 EL=10 |
| | 489.80 | 8.66 | | | |
| | | | A 4 EL= 9 | 20 | |
| | 517.19 | 8.50 | | | |
| | | | A 4 EL= 8 | 20 | |
| | 542.00 | 8.36 | | | A9 EL=8 |
| | | | A 4 EL= 8 | 20 | |
| NC 710 → | 621.00 | 7.91 | | | |
| | | | A 4 EL= 8 | 20 | MATCH A9 EL=7 |
| | 674.00 | 7.66 | | | A9 EL=7 MATCH |

ZONE TERMINATED AT END OF TRANSECT



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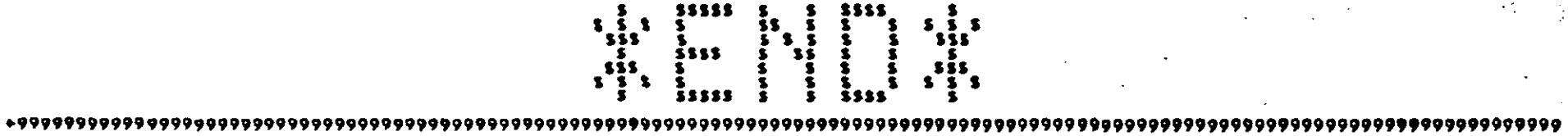

Greenhorne & O'Mara Inc-NVBDDD/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00

J9539.912.021

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COAST3.WHAFIS.ONSLO

Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00

8/5/86

The following Transects
should match the
large scale scale
line of 120'.

| | | |
|---|---|---|
| 5 | A/V gutter at 102' | -19' |
| 9 | A/V gutter at 110' | -10' |
| 10 | A/V gutter at 101' | -19' |

NEW ONSLOW WHAFIS WITH ADJUSTED SWFL

TRANSECTS 1-13

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 1.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 21.800 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 38.000 | .600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 75.000 | 1.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 119.000 | 2.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 126.000 | 3.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 150.000 | 4.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 166.000 | 5.700 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 197.000 | 5.000 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 242.000 | 2.900 | .000 | 9.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 516.000 | 5.300 | .000 | 9.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 600.500 | 3.200 | .000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 605.000 | 6.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 608.800 | 8.400 | .000 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 613.200 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 626.000 | 7.200 | .000 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 507.000 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 574.000 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

SR 191

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 21.800 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 38.000 | END ELEVATION .600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 75.000 | END ELEVATION 1.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 119.000 | END ELEVATION 2.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 126.000 | END ELEVATION 3.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 150.000 | END ELEVATION 4.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 166.000 | END ELEVATION 5.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 197.000 | END ELEVATION 3.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 242.000 | END ELEVATION 2.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.700 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 316.000 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 400.500 | END ELEVATION 3.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 405.000 | 6.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 408.800 | 8.400 | .000 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 413.200 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 476.000 | 7.200 | .000 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 507.000 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 574.000 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

*NOTE:*

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

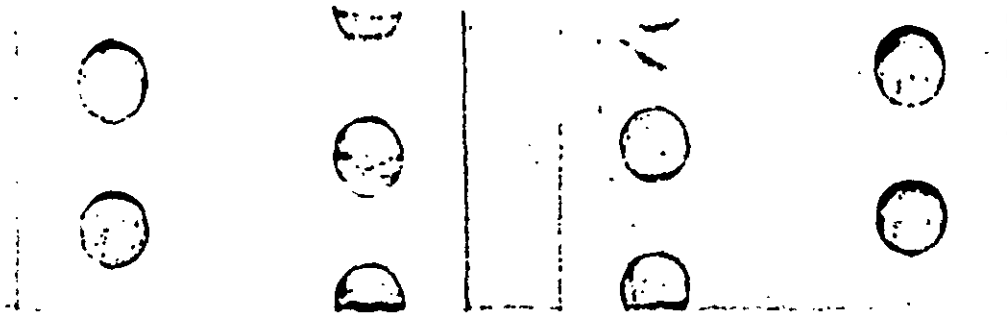
| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 21.80 | 8.03 | 15.92 |
| IF | 38.00 | 7.57 | 15.60 |
| IF | 75.00 | 6.55 | 14.89 |
| IF | 119.00 | 6.24 | 14.67 |
| IF | 126.00 | 5.15 | 13.90 |
| IF | 150.00 | 4.68 | 13.58 |
| IF | 166.00 | 3.59 | 12.81 |
| IF | 197.00 | 3.59 | 12.71 |
| IF | 242.00 | 3.59 | 12.41 |
| IF | 316.00 | 3.59 | 11.91 |
| IF | 400.50 | 3.59 | 11.31 |
| IF | 405.00 | 1.95 | 9.86 |
| IF | 408.80 | .00 | 8.45 |
| AS | 413.20 | .00 | 8.40 |
| AS | 476.00 | .00 | 7.20 |
| IF | 507.00 | .00 | 7.20 |
| IF | 674.00 | .04 | 7.23 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 408.80 AND 413.20
BETWEEN 413.20 AND 476.00

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 197.00 | 6.30 | 10.10 |
| 242.00 | 6.30 | 9.70 |
| 316.00 | 6.30 | 9.10 |



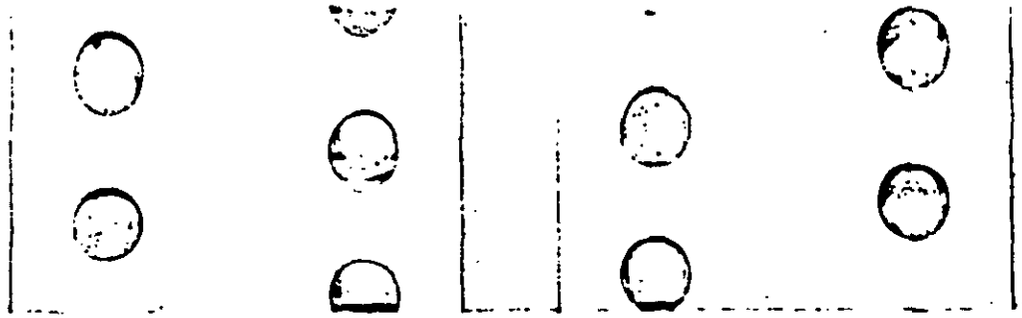
| | | |
|---|---|---|
| 400.50 | 6.30 | 8.50 |
| 408.80 | 6.30 | 8.40 |
| 476.00 | 6.30 | 7.20 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 402.12 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF | | FINAL MAPPED ZONES |
|---|---|---|---|---|---|
| .00 | 15.92 | V12 EL=16 | 60 | V12 EL=16 | V12 EL=16 |
| 43.01 | 15.50 | V12 EL=15 | 60 | V12 EL=15 | V12 EL=15 |
| 120.54 | 14.50 | V12 EL=14 | 60 | V12 EL=14 | V12 EL=14 |
| 151.59 | 13.50 | V12 EL=13 | 60 | V12 EL=13 | V12 EL=13 |
| 166.00 | 12.81 | V12 EL=13 | 60 | | |
| 197.00 | 12.71 | V11 EL=13 | 55 | | |
| 228.76 | 12.50 | V10 EL=12 | 50 | | |
| 242.00 | 12.41 | V 9 EL=12 | 45 | V12 EL=12 | V12 EL=12 |
| 316.00 | 11.91 | V 8 EL=12 | 40 | | |
| 375.99 | 11.50 | V 7 EL=11 | 35 | V12 EL=11 | V12 EL=11 |
| 400.50 | 11.31 | | | | |



| | | | |
|---|---|---|---|
| | | V 7 EL=11 | 35 |
| 402.12 | 10.60 | | |
| | | A 2 EL=11 | 10 |
| 403.02 | 10.50 | | |
| | | A 2 EL=10 | 10 |
| 405.00 | 9.86 | | |
| | | A 2 EL=10 | 10 |
| 405.98 | 9.50 | | |
| | | A 2 EL= 9 | 10 |
| 408.67 | 8.50 | | |
| | | A 2 EL= 8 | 10 |
| 408.80 | 8.45 | | |
| 413.20 | 8.60 | | |
| SR 151F → 476.00 | 7.20 | | |
| | | A 2 EL= 7 | 10 |
| 674.00 | 7.23 | | |

V12 FL=11

ZONE B

MATCH A9 EL=8

V12 FL=11

A9 EL=9

A9 EL=8

ZONE TERMINATED AT END OF TRANSECT

oh

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 2.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IS | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 26.200 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 63.000 | 1.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 103.000 | 2.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 124.000 | 3.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 125.000 | 3.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 202.000 | 3.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 222.000 | 7.000 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 243.000 | 5.200 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 273.000 | 3.700 | .000 | 9.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 336.000 | 3.800 | .000 | 9.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 361.600 | 3.600 | .000 | 9.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 367.400 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 370.300 | 9.000 | .000 | 9.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 376.000 | 8.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 384.600 | 8.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 416.000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 488.000 | 7.600 | .000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 563.000 | 6.700 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 583.000 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 674.000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

SR 15 CE

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 26.200 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 63.000 | END ELEVATION 1.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 103.000 | END ELEVATION 2.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 124.000 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 125.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 202.000 | END ELEVATION 3.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 222.000 | END ELEVATION 7.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 243.000 | END ELEVATION 5.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 273.000 | END ELEVATION 3.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 336.000 | END ELEVATION 3.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 361.600 | END ELEVATION 3.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 367.400 | END ELEVATION 7.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 370.300 | END ELEVATION 9.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 376.000 | END ELEVATION 8.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 384.600 | END ELEVATION 8.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 416.000 | END ELEVATION 8.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 488.000 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.600 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 543.000 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 588.000 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 674.000 | END ELEVATION 10.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

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

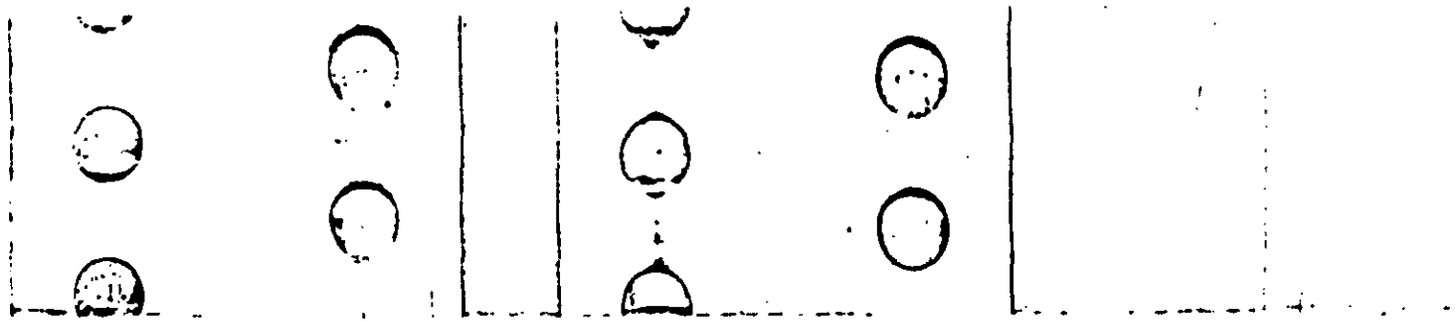
NOTE:
SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

| | LOCATION | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 26.20 | 8.03 | 15.92 |
| IF | 63.00 | 7.18 | 15.32 |
| IF | 103.00 | 6.32 | 14.72 |
| IF | 124.00 | 5.46 | 14.12 |
| IF | 125.00 | 5.38 | 14.07 |
| IF | 202.00 | 4.99 | 13.79 |
| IF | 222.00 | 2.57 | 12.10 |
| IF | 243.00 | 2.57 | 12.00 |
| IF | 273.00 | 2.57 | 11.80 |
| IF | 336.00 | 2.58 | 11.40 |
| IF | 361.60 | 2.58 | 11.00 |
| IF | 367.40 | 1.48 | 10.14 |
| IF | 370.30 | .00 | 9.05 |
| AS | 376.00 | .00 | 8.90 |
| AS | 384.60 | .00 | 8.80 |
| AS | 416.00 | .00 | 8.50 |
| AS | 488.00 | .00 | 7.60 |
| IF | 543.00 | .00 | 7.30 |
| IF | 588.00 | .01 | 7.01 |
| AS | 674.00 | -2.57 | 10.30 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

| | | | |
|---|---|---|---|
| BETWEEN | 370.30 | AND | 376.00 |
| BETWEEN | 376.00 | AND | 384.60 |
| BETWEEN | 384.60 | AND | 416.00 |
| BETWEEN | 416.00 | AND | 488.00 |
| BETWEEN | 588.00 | AND | 674.00 |



PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 243.00 | 6.30 | 10.10 |
| 273.00 | 6.30 | 9.90 |
| 336.00 | 6.30 | 9.30 |
| 361.60 | 6.30 | 9.10 |
| 370.30 | 6.30 | 9.00 |
| 488.00 | 6.30 | 7.60 |
| 543.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 218.48 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 52.17 | 15.50 | | |
| | | V12 EL=15 | 60 |
| 110.78 | 14.50 | | |
| | | V12 EL=14 | 60 |
| 205.48 | 13.50 | | |
| | | V12 EL=13 | 60 |
| 217.29 | 12.50 | | |
| | | V12 EL=12 | 60 |
| 218.48 | 12.40 | | |
| | | A 7 EL=12 | 35 |
| 222.00 | 12.10 | | |
| | | A 7 EL=12 | 35 |

V12 EL=16

V12 EL=15

V12 EL=14

V12 EL=13

A4 EL=12

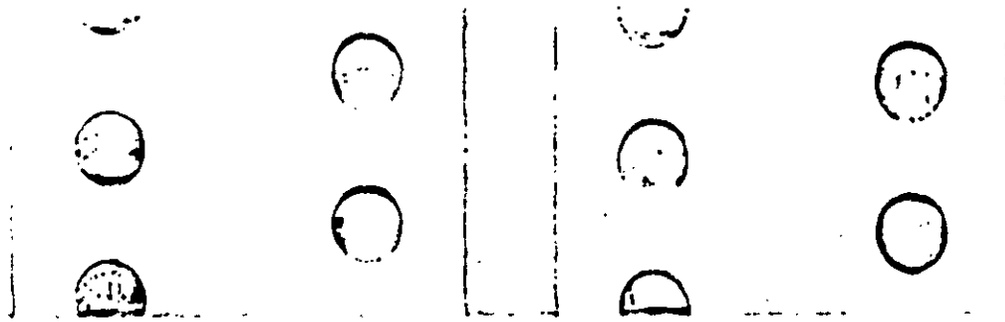
FINAL MAPPED ZONES

V12 EL= 16

V12 EL 15

V12 EL=14

A4 EL= 12



| | | | | |
|---|---|---|---|---|
| 243.00 | 12.00 | | | |
| | | A 7 EL=12 | 35 | A4 EL=12 |
| 273.00 | 11.80 | | | |
| | | A 7 EL=12 | 35 | |
| 320.88 | 11.50 | | | |
| | | A 7 EL=11 | 35 | |
| 336.00 | 11.40 | | | |
| | | A 7 EL=11 | 35 | A9 EL=11 |
| 361.60 | 11.00 | | | |
| | | A 7 EL=11 | 35 | |
| 364.98 | 10.50 | | | |
| | | A 7 EL=10 | 35 | |
| 367.40 | 10.14 | | | |
| | | A 7 EL=10 | 35 | |
| 369.10 | 9.50 | | | |
| | | A 7 EL= 9 | 35 | |
| 370.30 | 9.05 | | | |
| 376.00 | 8.90 | | | |
| 384.60 | 8.80 | | | |
| 416.00 | 8.50 | | | |
| SR 1568 → 488.00 | 7.60 | | | |
| | | A 7 EL= 8 | 35 | |
| 506.46 | 7.50 | | | |
| | | A 7 EL= 7 | 35 | |
| 543.00 | 7.30 | | | |
| | | A 7 EL= 7 | 35 | |
| 588.00 | 7.01 | | | |
| 674.00 | 10.30 | | | |

A4 E=12

A4 EL=12

A9 EL=11

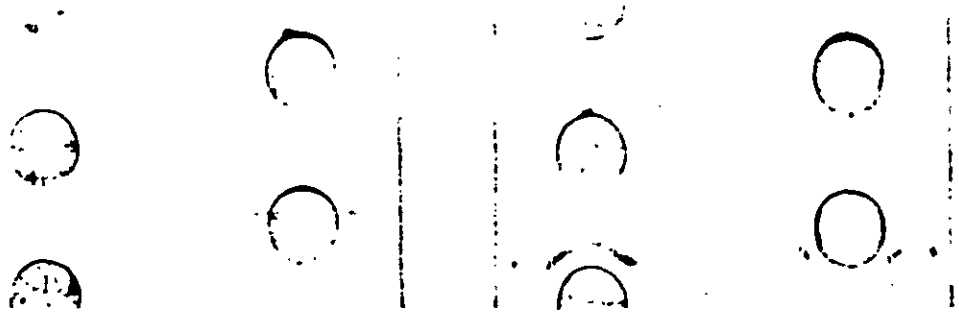
ZONE B

A9 EL=9

MATCH A9 EL=8

A9 EL=8

OK

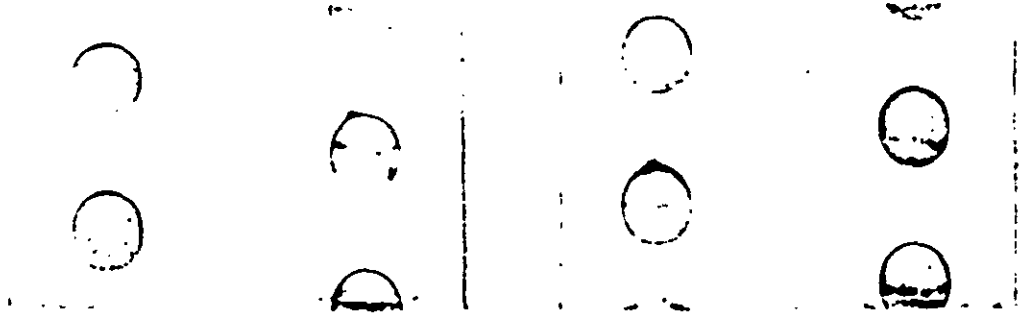


ZONE TERMINATED AT END OF TRANSECT

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 3.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 28.900 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 101.000 | 2.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 108.000 | 2.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 151.000 | 3.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 167.000 | 4.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 236.000 | 5.600 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 249.000 | 5.200 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 266.000 | 3.400 | .000 | 9.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 295.000 | 3.900 | .000 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 349.400 | 3.300 | .000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 355.000 | 6.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 357.700 | 8.400 | .000 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 363.100 | 8.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 513.000 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 522.000 | 7.100 | .000 | 7.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 539.000 | 6.700 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 576.000 | 6.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| EF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 28.900 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 101.000 | END ELEVATION 2.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 108.000 | END ELEVATION 2.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 151.000 | END ELEVATION 3.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 167.000 | END ELEVATION 4.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 234.000 | END ELEVATION 5.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 249.000 | END ELEVATION 5.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 264.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.800 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 295.000 | END ELEVATION 3.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.400 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 349.400 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 355.000 | END ELEVATION 6.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | 357.700 | 8.400 | .000 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 363.100 | 8.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 493.000 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 527.000 | 7.100 | .000 | 7.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 639.000 | 6.700 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 674.000 | 6.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

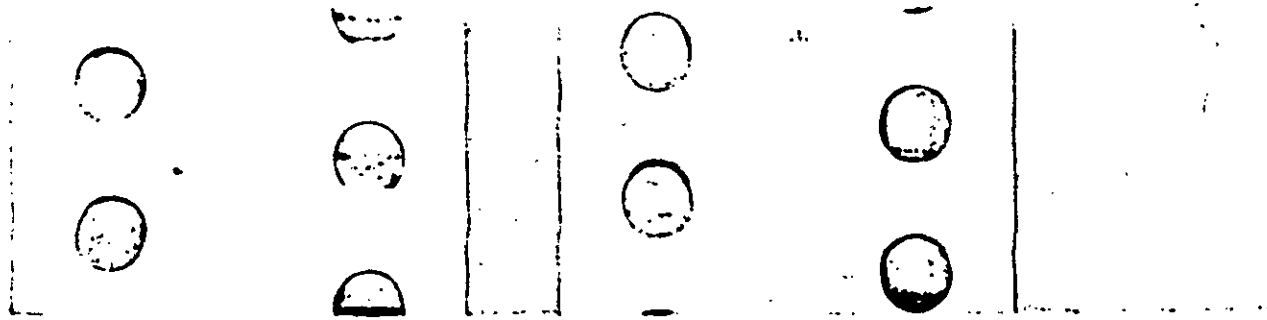
| | LOCATION | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 28.90 | 8.03 | 15.92 |
| IF | 101.00 | 6.47 | 14.83 |
| IF | 108.00 | 5.93 | 14.45 |
| IF | 151.00 | 4.99 | 13.79 |
| IF | 167.00 | 4.52 | 13.47 |
| IF | 234.00 | 3.67 | 12.87 |
| IF | 249.00 | 3.67 | 12.77 |
| IF | 264.00 | 3.67 | 12.52 |
| IF | 295.00 | 3.67 | 12.17 |
| IF | 349.60 | 3.67 | 11.52 |
| IF | 355.00 | 1.33 | 9.63 |
| IF | 357.70 | .00 | 8.45 |
| AS | 363.10 | .00 | 8.30 |
| AS | 413.00 | .00 | 7.20 |
| AS | 527.00 | .00 | 7.10 |
| IF | 639.00 | .01 | 7.05 |
| IF | 674.00 | .01 | 7.01 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 357.70 AND 363.10
BETWEEN 363.10 AND 413.00
BETWEEN 413.00 AND 527.00

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 249.00 | 6.30 | 10.10 |
| 264.00 | 6.30 | 9.80 |



| | | |
|---|---|---|
| 295.00 | 6.30 | 9.60 |
| 349.40 | 6.30 | 8.50 |
| 357.70 | 6.30 | 8.40 |
| 527.00 | 6.30 | 7.10 |
| 639.00 | 6.30 | 7.00 |

PARTS LOCATION OF V ZONES

| STATION OF CUTTER | LOCATION OF ZONE |
|---|---|
| 350.99 | WINDWARD |

PARTS NUMBERED A ZONES AND V ZONES

| STATION OF CUTTER | ELEVATION | ZONE DESIGNATION | PHF | |
|---|---|---|---|---|
| .00 | 15.92 | | | |
| | | V12 EL=16 | 60 | V12 EL=16 |
| 56.88 | 15.50 | | | |
| | | V12 EL=15 | 60 | V12 EL=15 |
| 107.08 | 14.50 | | | |
| | | V12 EL=14 | 60 | V12 EL=14 |
| 165.38 | 13.50 | | | |
| | | V12 EL=13 | 60 | |
| ROAD ON QUAD → 234.00 | 12.87 | | | V12 EL=13 |
| | | V12 EL=13 | 60 | |
| 249.00 | 12.77 | | | |
| | | V11 EL=13 | 55 | |
| 264.00 | 12.52 | | | |
| | | V10 EL=13 | 50 | |
| 265.43 | 12.50 | | | |
| | | V 9 EL=12 | 45 | |
| 295.00 | 12.17 | | | |
| | | V 8 EL=12 | 40 | V12 EL=12 |
| 349.40 | 11.52 | | | |

FINAL MAPPED ZONES

V12 EL=16

V12 EL=14

V12 EL=13

V12 EL=12

| | | | | |
|---|---|---|---|---|
| | | V 7 EL=12 | 35 | V12 EL=12 |
| 349.44 | 11.50 | | | |
| | | V 7 EL=11 | 35 | |
| 350.99 | 10.60 | | | V12 EL=12 |
| | | A 2 EL=11 | 10 | |
| 352.13 | 10.50 | | | |
| | | A 2 EL=10 | 10 | |
| 354.81 | 9.50 | | | |
| | | A 2 EL= 9 | 10 | |
| 355.00 | 9.43 | | | A9 EL=8 |
| | | A 2 EL= 9 | 10 | |
| 357.56 | 8.50 | | | |
| | | A 2 EL= 8 | 10 | |
| 357.70 | 8.45 | | | |
| 363.10 | 8.30 | | | ZONE B |
| 413.00 | 7.20 | | | |
| 527.00 | 7.10 | | | |
| | | A 2 EL= 7 | 10 | MATCH A9 EL=7 |
| NEW SD 1568 → 639.00 | 7.05 | | | A9 EL=7 |
| | | A 2 EL= 7 | 10 | |
| 674.00 | 7.01 | | | |

ZONE TERMINATED AT END OF TRANSECT

OH

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 4.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 25.600 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 54.000 | .900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 72.000 | 2.800 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 103.000 | 1.800 | .000 | 7.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 108.000 | 1.900 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 282.000 | 1.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 383.000 | 1.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 584.100 | 1.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 587.600 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 588.800 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 593.400 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 598.000 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 802.600 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 874.000 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | END STATION | END ELEVATION | FETCH LENGTH | SURGE ELEV 10-YEAR | SURGE ELEV 100-YEAR | INITIAL WAVE HEIGHT | INITIAL W. PERIOD | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| OF | 25.600 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 54.000 | .900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 72.000 | 2.800 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 103.000 | 1.800 | .000 | 7.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 108.000 | 1.900 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 282.000 | 1.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 583.000 | 1.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 584.100 | 1.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 587.600 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 588.800 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 593.400 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 598.000 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 602.600 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 574.000 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 25.60 | 8.03 | 15.92 |
| IF | 54.00 | 7.33 | 15.43 |
| IF | 72.00 | 5.85 | 14.40 |
| IF | 103.00 | 4.45 | 12.01 |
| IF | 108.00 | 3.98 | 10.03 |
| IF | 282.00 | 3.98 | 9.78 |
| IF | 583.00 | 3.98 | 9.78 |
| IF | 584.10 | 3.98 | 9.78 |
| IF | 587.60 | 2.34 | 8.64 |
| IF | 588.80 | 2.34 | 8.64 |
| IF | 593.40 | 2.34 | 8.64 |
| IF | 598.00 | 2.34 | 8.64 |
| IF | 602.60 | 2.34 | 8.64 |
| IF | 674.00 | 2.34 | 8.64 |

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = 2.34 WHICH EXCEEDS 0.5.

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

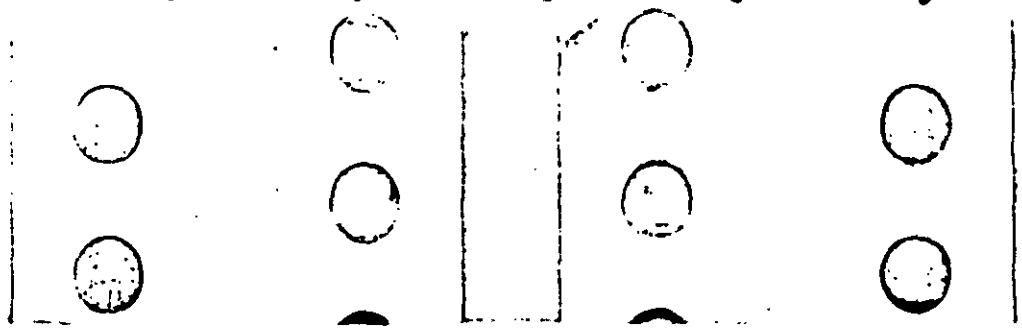
NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 103.00 | 6.30 | 7.50 |
| 108.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 586.19 | WINDWARD |



PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF | |
|---|---|---|---|---|
| .00 | 15.92 | | | |
| | | V12 EL=16 | 60 | V12 EL=16 |
| 50.09 | 15.50 | | | |
| | | V12 EL=15 | 60 | V12 EL=15 |
| 70.18 | 14.50 | | | |
| | | V10 EL=14 | 50 | |
| 72.00 | 14.60 | | | |
| | | V 8 EL=14 | 40 | V12 EL=14 |
| 83.64 | 13.50 | | | |
| | | V 8 EL=13 | 40 | |
| 96.65 | 12.50 | | | |
| | | V 6 EL=12 | 30 | |
| 103.00 | 12.01 | | | |
| | | V 3 EL=12 | 15 | V12 EL=12 |
| 104.30 | 11.50 | | | |
| | | V 3 EL=11 | 15 | |
| 106.82 | 10.50 | | | |
| | | V 3 EL=10 | 15 | |
| SR 1568 → 108.00 | 10.03 | | | V12 EL=10 |
| | | V 2 EL=10 | 10 | |
| 584.97 | 9.50 | | | |
| | | V 2 EL= 9 | 10 | |
| 586.19 | 9.10 | | | |
| | | A 5 EL= 9 | 25 | A9 FL=9 |
| 674.00 | 8.64 | | | |
| | 1170' | | | |
| ZONE TERMINATED AT END OF TRANSECT | | | | MATCH A9 FL 7 |

FINAL MAPPED ZONES

V12 EL=16

V12 EL=14

V12 EL12

V12 EL=10

A9 FL=7

OK

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 5.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 12.000 | -.200 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 15.300 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 57.000 | 2.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 66.000 | 4.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 76.000 | 6.300 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 96.000 | 3.500 | .000 | 8.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 108.000 | 3.600 | .000 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 130.000 | 3.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 149.000 | 5.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 167.000 | 3.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 215.000 | 2.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 439.500 | 2.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 446.900 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 447.000 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 454.300 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 461.700 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 469.100 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 476.500 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 483.900 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 491.300 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 498.700 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 506.100 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 513.500 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 520.900 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 528.300 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 535.700 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 543.100 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 550.500 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 12.000 | END ELEVATION -.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 15.300 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 57.000 | END ELEVATION 2.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 66.000 | END ELEVATION 4.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 76.000 | END ELEVATION 6.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 96.000 | END ELEVATION 3.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 108.000 | END ELEVATION 3.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 130.000 | END ELEVATION 3.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 149.000 | END ELEVATION 5.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 167.000 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 215.000 | END ELEVATION 2.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 439.600 | END ELEVATION 2.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 446.900 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 447.000 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 454.300 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 461.700 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 469.100 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 476.500 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 483.900 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 491.300 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 498.700 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 506.100 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 513.500 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 520.900 | END ELEVATION 7.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

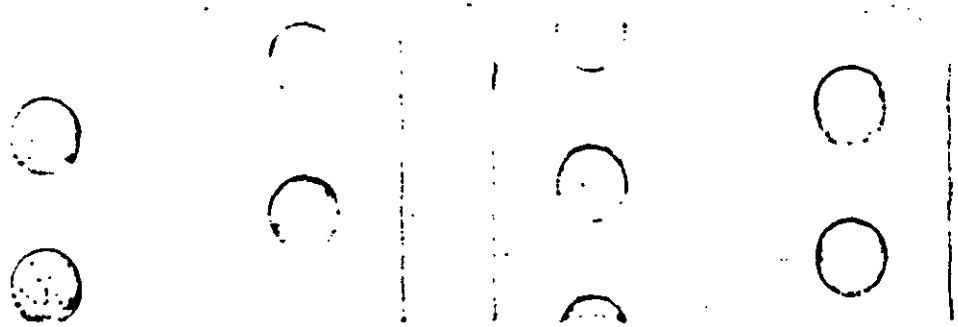
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 528.300 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 535.700 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 543.100 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 550.500 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

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

PART2 WAVE HEIGHTS AND ELEVATIONS

| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 12.00 | 8.03 | 15.92 |
| OF | 15.30 | 8.03 | 15.92 |
| IF | 57.00 | 6.32 | 14.72 |
| IF | 66.00 | 4.91 | 13.74 |
| IF | 76.00 | 3.12 | 12.48 |
| IF | 96.00 | 3.12 | 11.48 |
| IF | 108.00 | 2.89 | 9.82 |
| IF | 130.00 | 2.89 | 9.32 |
| IF | 149.00 | 1.64 | 8.45 |
| IF | 167.00 | 1.64 | 8.45 |
| IF | 215.00 | 1.64 | 8.45 |
| IF | 439.60 | 1.67 | 8.47 |
| IF | 446.90 | .00 | 7.30 |
| AS | 447.00 | .00 | 7.30 |
| AS | 454.30 | .00 | 7.30 |
| AS | 461.70 | .00 | 7.30 |
| AS | 469.10 | .00 | 7.30 |
| AS | 476.50 | .00 | 7.30 |
| AS | 483.90 | .00 | 7.30 |
| AS | 491.30 | .00 | 7.30 |
| AS | 498.70 | .00 | 7.30 |
| AS | 506.10 | .00 | 7.30 |
| AS | 513.50 | .00 | 7.30 |
| AS | 520.90 | .00 | 7.30 |
| AS | 528.30 | .00 | 7.30 |
| AS | 535.70 | .00 | 7.30 |
| AS | 543.10 | .00 | 7.30 |



AS 550.50 .00 7.30

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

| | | | |
|---|---|---|---|
| BETWEEN | 446.90 | AND | 447.00 |
| BETWEEN | 447.00 | AND | 454.30 |
| BETWEEN | 454.30 | AND | 461.70 |
| BETWEEN | 461.70 | AND | 469.10 |
| BETWEEN | 469.10 | AND | 476.50 |
| BETWEEN | 476.50 | AND | 483.90 |
| BETWEEN | 483.90 | AND | 491.30 |
| BETWEEN | 491.30 | AND | 498.70 |
| BETWEEN | 498.70 | AND | 506.10 |
| BETWEEN | 506.10 | AND | 513.50 |
| BETWEEN | 513.50 | AND | 520.90 |
| BETWEEN | 520.90 | AND | 528.30 |
| BETWEEN | 528.30 | AND | 535.70 |
| BETWEEN | 535.70 | AND | 543.10 |
| BETWEEN | 543.10 | AND | 550.50 |

PART4 LOCATION OF SURGE CHANGES

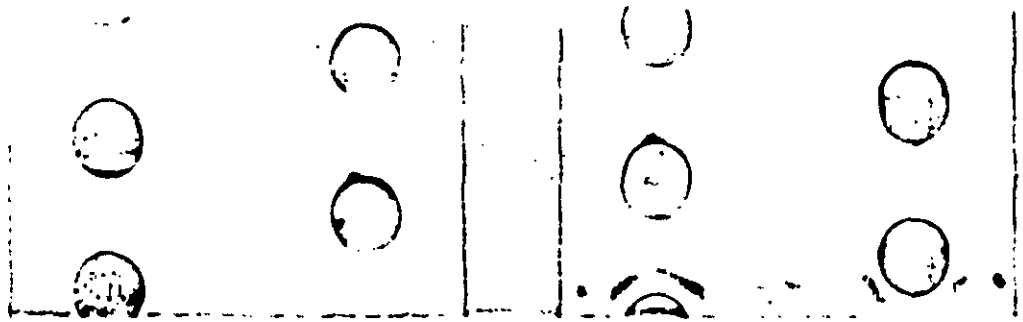
| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 96.00 | 6.30 | 8.30 |
| 108.00 | 6.30 | 7.30 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 102.15 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF |
|---|---|---|---|
| .00 | 15.92 | | |



| | | | | |
|---|---|---|---|---|
| 30.01 | 15.50 | V12 EL=16 | 60 | V12 EL=16 |
| 59.04 | 14.50 | V12 EL=15 | 60 | V12 EL=15 |
| 67.91 | 13.50 | V12 EL=14 | 60 | V12 EL=14 |
| 75.87 | 12.50 | V12 EL=13 | 60 | |
| 76.00 | 12.68 | V11 EL=12 | 55 | V12 EL=14 |
| 95.68 | 11.50 | V 9 EL=12 | 45 | V12 EL=12 |
| 96.00 | 11.48 | V 7 EL=11 | 35 | |
| 102.15 | 9.90 | V 5 EL=11 | 25 | |
| 103.10 | 10.50 | A 4 EL=11 | 20 | A4 EL=11 |
| 108.00 | 9.82 | A 4 EL=10 | 20 | |
| 122.09 | 9.50 | A 4 EL=10 | 20 | A4 EL=9 |
| 147.84 | 8.50 | A 4 EL= 9 | 20 | |
| 445.65 | 7.50 | A 4 EL= 8 | 20 | A4 EL=8 |
| 446.90 | 7.30 | A 4 EL= 7 | 20 | MATCH AB EL=7 |
| 447.00 | 7.30 | | | |
| 454.30 | 7.30 | | | |

SR 1568 → 108.00

350'

DOES NOT SATISFY LS setback 170'

FINAL MAPPED ZONES

V12 EL=16

V12 EL=14

V12 EL=12

A4 EL=10

A4 EL=8

AB EL=7

| | |
|---|---|
| 461.70 | 7.30 |
| 469.10 | 7.30 |
| 476.50 | 7.30 |
| 483.90 | 7.30 |
| 91.30 | 7.30 |
| 498.70 | 7.30 |
| 506.10 | 7.30 |
| 513.50 | 7.30 |
| 520.90 | 7.30 |
| 528.30 | 7.30 |
| 535.70 | 7.30 |
| 543.10 | 7.30 |
| 550.50 | 7.30 |

ZONE TERMINATED AT END OF TRANSECT

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 6.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 12.000 | -.300 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 20.600 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 60.000 | 1.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 76.000 | 2.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 86.000 | 5.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 100.000 | 5.900 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 115.000 | 5.100 | .000 | 9.600 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 131.000 | 3.500 | .000 | 8.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 145.000 | 4.700 | .000 | 8.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 156.000 | 3.100 | .000 | 7.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 170.000 | 3.300 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 199.000 | 3.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 222.000 | 4.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 247.000 | 3.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 275.000 | 2.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 301.800 | 2.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 368.500 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 369.500 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 376.200 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 383.800 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 391.500 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 399.100 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 406.800 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 414.400 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 422.100 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 429.700 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 437.400 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 445.000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 452.700 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 460.300 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 468.000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 475.600 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

SD. 1565

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 12.000 | END ELEVATION -.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 20.600 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 60.000 | END ELEVATION 1.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 76.000 | END ELEVATION 2.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 86.000 | END ELEVATION 5.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 100.000 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 115.000 | END ELEVATION 5.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.600 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 131.000 | END ELEVATION 3.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.800 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 145.000 | END ELEVATION 4.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.200 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 154.000 | END ELEVATION 3.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.800 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 170.000 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 199.000 | END ELEVATION 3.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 222.000 | END ELEVATION 4.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 247.000 | END ELEVATION 3.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 275.000 | END ELEVATION 2.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 361.800 | END ELEVATION 2.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 368.500 | END ELEVATION 7.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 369.500 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 376.200 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 383.800 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 391.500 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 399.100 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 406.800 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 414.400 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 422.100 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 429.700 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 437.400 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 445.000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 452.700 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 460.300 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 468.000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 475.600 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 12.00 | 8.03 | 15.92 |
| OF | 20.60 | 8.03 | 15.92 |
| IF | 60.00 | 6.94 | 15.16 |
| IF | 76.00 | 5.77 | 14.34 |
| IF | 86.00 | 4.13 | 13.19 |
| IF | 100.00 | 3.43 | 12.70 |
| IF | 115.00 | 3.43 | 12.35 |
| IF | 131.00 | 3.43 | 11.60 |
| IF | 145.00 | 2.73 | 10.41 |
| IF | 154.00 | 2.73 | 9.91 |
| IF | 170.00 | 2.73 | 9.31 |
| IF | 199.00 | 2.73 | 8.91 |
| IF | 222.00 | 1.95 | 8.36 |
| IF | 247.00 | 1.95 | 8.36 |
| IF | 275.00 | 1.95 | 8.37 |
| IF | 361.80 | 1.95 | 8.37 |
| IF | 368.50 | .00 | 7.00 |
| AS | 369.50 | -.67 | 7.60 |
| AS | 376.20 | -.67 | 7.60 |
| AS | 383.80 | -.67 | 7.60 |
| AS | 391.50 | -.67 | 7.60 |
| AS | 399.10 | -.67 | 7.60 |
| AS | 406.80 | -.67 | 7.60 |
| AS | 414.40 | -.67 | 7.60 |
| AS | 422.10 | -.67 | 7.60 |
| AS | 429.70 | -.67 | 7.60 |
| AS | 437.40 | -.67 | 7.60 |

| | | | |
|---|---|---|---|
| AS | 445.00 | -.67 | 7.60 |
| AS | 452.70 | -.67 | 7.60 |
| AS | 460.30 | -.67 | 7.60 |
| AS | 468.00 | -.67 | 7.60 |
| AS | 475.60 | -.67 | 7.60 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

| | | | |
|---|---|---|---|
| BETWEEN | 368.50 | AND | 369.50 |
| BETWEEN | 369.50 | AND | 376.20 |
| BETWEEN | 376.20 | AND | 383.80 |
| BETWEEN | 383.80 | AND | 391.50 |
| BETWEEN | 391.50 | AND | 399.10 |
| BETWEEN | 399.10 | AND | 406.80 |
| BETWEEN | 406.80 | AND | 414.40 |
| BETWEEN | 414.40 | AND | 422.10 |
| BETWEEN | 422.10 | AND | 429.70 |
| BETWEEN | 429.70 | AND | 437.40 |
| BETWEEN | 437.40 | AND | 445.00 |
| BETWEEN | 445.00 | AND | 452.70 |
| BETWEEN | 452.70 | AND | 460.30 |
| BETWEEN | 460.30 | AND | 468.00 |
| BETWEEN | 468.00 | AND | 475.60 |

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 115.00 | 6.30 | 9.60 |
| 131.00 | 6.30 | 8.80 |
| 145.00 | 6.30 | 8.20 |
| 154.00 | 6.30 | 7.80 |
| 170.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 139.62 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | PHF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 42.44 | 15.50 | | |
| | | V12 EL=15 | 60 |
| 72.88 | 14.50 | | |
| | | V12 EL=14 | 60 |
| 83.33 | 13.50 | | |
| | | V12 EL=13 | 60 |
| 100.00 | 12.70 | | |
| | | V11 EL=13 | 55 |
| 108.67 | 12.50 | | |
| | | V10 EL=12 | 50 |
| 115.00 | 12.35 | | |
| | | V 8 EL=12 | 40 |
| 131.00 | 11.60 | | |
| | | V 7 EL=12 | 35 |
| 132.20 | 11.50 | | |
| | | V 7 EL=11 | 35 |
| 139.62 | 10.60 | | |
| | | A 5 EL=11 | 25 |
| 143.95 | 10.50 | | |
| | | A 5 EL=10 | 25 |
| 145.00 | 10.41 | | |
| | | A 5 EL=10 | 25 |
| 154.00 | 9.91 | | |

V12 EL=16

V12 EL=15

V12 EL=14

V12 EL=12

A9 EL=11

FINAL MAPPED ZONES

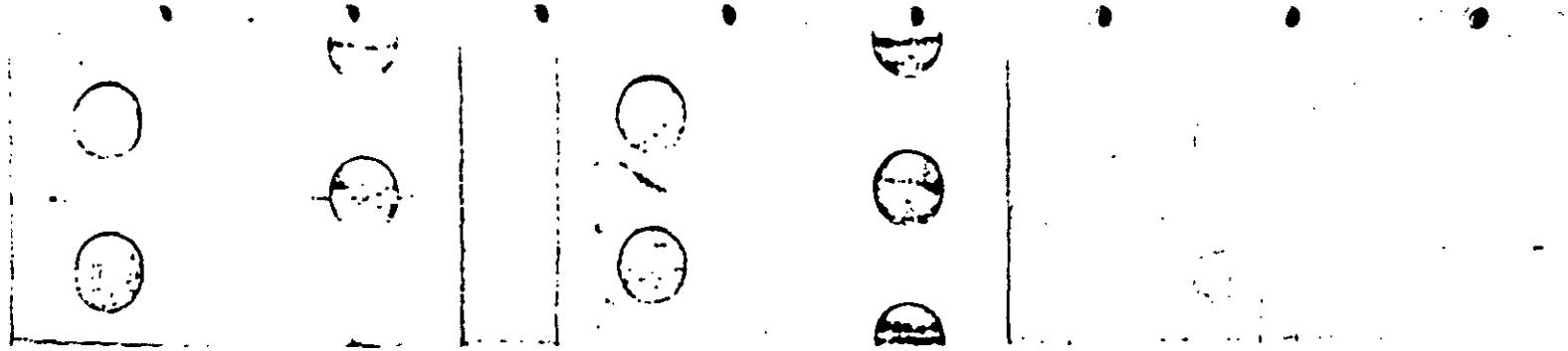
V12 EL=16

V12 EL 14

V12 EL 12

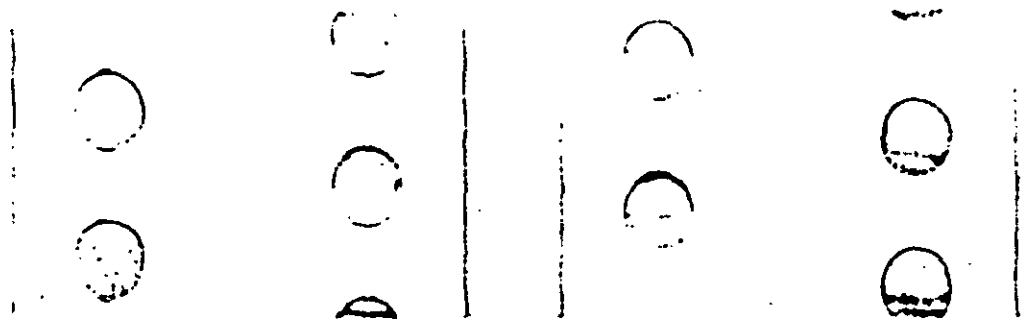
A9 EL=10

OK



| | | | | |
|---|---|---|---|---|
| | 164.96 | 9.50 | A 5 EL=10 25 | A4 FL= 11 |
| | | | A 5 EL= 9 25 | A4 FL=10 |
| SR 1568 → | 170.00 | 9.31 | A 5 EL= 9 25 | A4 EL=9 |
| | 216.31 | 8.50 | A 5 EL= 8 25 | A4 EL=8 |
| | 366.05 | 7.50 | | A4 FL=3 |
| | | | A 5 EL= 7 25 | |
| | 368.50 | 7.00 | | |
| | 369.50 | 7.60 | | |
| | 376.20 | 7.60 | | |
| | 383.80 | 7.60 | | |
| | 391.50 | 7.60 | | |
| | 399.10 | 7.60 | | |
| | 406.80 | 7.60 | | |
| | 414.40 | 7.60 | | |
| | 422.10 | 7.60 | | |
| | 429.70 | 7.60 | | |
| | 437.40 | 7.60 | | |
| | 445.00 | 7.60 | | |
| | 452.70 | 7.60 | | |
| | 460.30 | 7.60 | | |
| | 468.00 | 7.60 | | |

ZONE B



475.60 7.60

ZONE TERMINATED AT END OF TRANSECT

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 7.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 12.000 | -.400 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 22.100 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 77.000 | 2.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 95.000 | 4.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 103.000 | 5.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 108.000 | 4.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 142.000 | 5.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 154.000 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 182.000 | 4.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 209.000 | 3.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 233.000 | 2.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 251.000 | 4.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 310.000 | 4.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 310.100 | 4.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 319.600 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 323.800 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 325.200 | 10.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 334.500 | 9.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 343.400 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 352.000 | 9.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 360.300 | 8.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 368.300 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 376.100 | 8.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 383.500 | 7.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 390.800 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 397.700 | 7.100 | .000 | 7.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 404.500 | 6.800 | .000 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 411.000 | 6.500 | .000 | 6.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 418.100 | 6.700 | .000 | 6.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 421.000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 574.000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 12.000 | END ELEVATION -.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 22.100 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 77.000 | END ELEVATION 2.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 95.000 | END ELEVATION 4.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 103.000 | END ELEVATION 5.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 108.000 | END ELEVATION 4.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 142.000 | END ELEVATION 5.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 154.000 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 182.000 | END ELEVATION 4.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 209.000 | END ELEVATION 3.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 233.000 | END ELEVATION 2.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

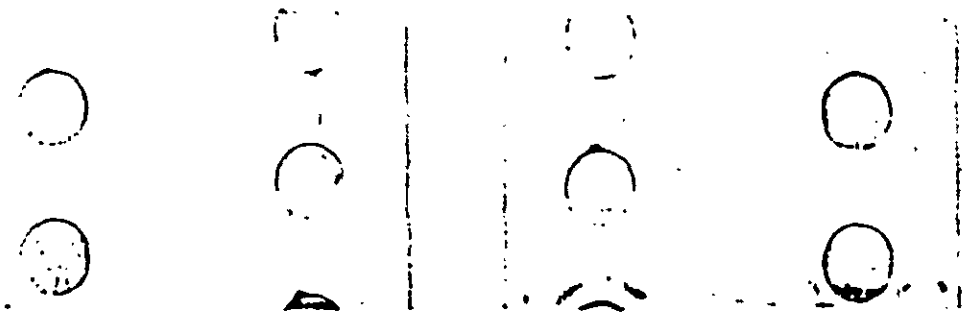
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 251.000 | END ELEVATION 4.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 310.000 | END ELEVATION 4.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 310.100 | END ELEVATION 4.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 319.600 | END ELEVATION 10.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 323.800 | END ELEVATION 10.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 325.200 | END ELEVATION 10.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 334.500 | END ELEVATION 9.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 343.400 | END ELEVATION 9.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 352.000 | END ELEVATION 9.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 360.300 | END ELEVATION 8.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 368.300 | END ELEVATION 8.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 376.100 | END ELEVATION 8.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 383.500 | END ELEVATION 7.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| AS | 390.800 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 397.700 | 7.100 | .000 | 7.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 404.500 | 6.800 | .000 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 411.000 | 6.500 | .000 | 6.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 418.100 | 6.700 | .000 | 6.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 471.000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 674.000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

NOTE:

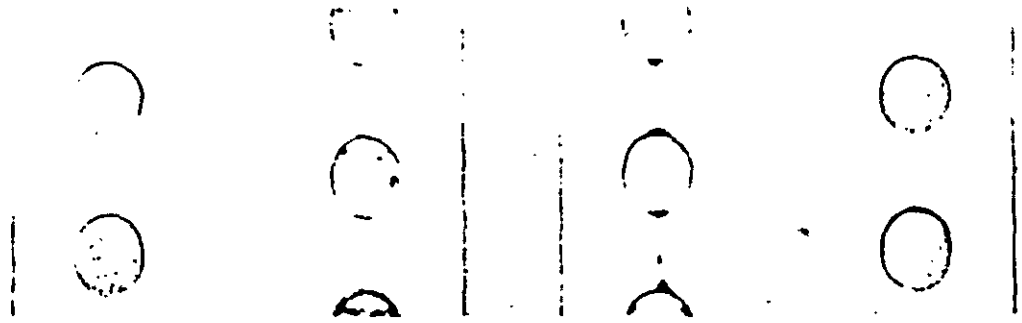
SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



PART2 WAVE HEIGHTS AND ELEVATIONS

| | LOCATION | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 12.00 | 8.03 | 15.92 |
| OF | 22.10 | 8.03 | 15.92 |
| IF | 77.00 | 6.47 | 14.83 |
| IF | 95.00 | 4.76 | 13.63 |
| IF | 103.00 | 3.82 | 12.98 |
| IF | 108.00 | 3.82 | 12.98 |
| IF | 142.00 | 3.82 | 12.98 |
| IF | 154.00 | 2.65 | 12.16 |
| IF | 182.00 | 2.65 | 12.16 |
| IF | 209.00 | 2.65 | 12.16 |
| IF | 233.00 | 2.66 | 12.16 |
| IF | 251.00 | 2.66 | 12.16 |
| IF | 310.00 | 2.66 | 12.17 |
| IF | 310.10 | 2.66 | 12.17 |
| IF | 319.60 | .00 | 10.30 |
| AS | 323.80 | .00 | 10.30 |
| AS | 325.20 | .00 | 10.20 |
| AS | 334.50 | .00 | 9.80 |
| AS | 343.40 | .00 | 9.40 |
| AS | 352.00 | .00 | 9.10 |
| AS | 360.30 | .00 | 8.70 |
| AS | 368.30 | .00 | 8.40 |
| AS | 376.10 | .00 | 8.00 |
| AS | 383.50 | .00 | 7.70 |
| AS | 390.80 | .00 | 7.40 |
| IF | 397.70 | .00 | 8.70 |
| IF | 404.50 | .00 | 7.00 |

# 4



| | | | |
|---|---|---|---|
| IF | 411.00 | .00 | 6.85 |
| IF | 418.10 | .00 | 6.75 |
| AS | 471.00 | -1.40 | 8.50 |
| AS | 674.00 | -1.40 | 8.50 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

| | | | |
|---|---|---|---|
| BETWEEN | 319.60 | AND | 323.80 |
| BETWEEN | 323.80 | AND | 325.20 |
| BETWEEN | 325.20 | AND | 334.50 |
| BETWEEN | 334.50 | AND | 343.40 |
| BETWEEN | 343.40 | AND | 352.00 |
| BETWEEN | 352.00 | AND | 360.30 |
| BETWEEN | 360.30 | AND | 368.30 |
| BETWEEN | 368.30 | AND | 376.10 |
| BETWEEN | 376.10 | AND | 383.50 |
| BETWEEN | 383.50 | AND | 390.80 |
| BETWEEN | 418.10 | AND | 471.00 |
| BETWEEN | 471.00 | AND | 674.00 |

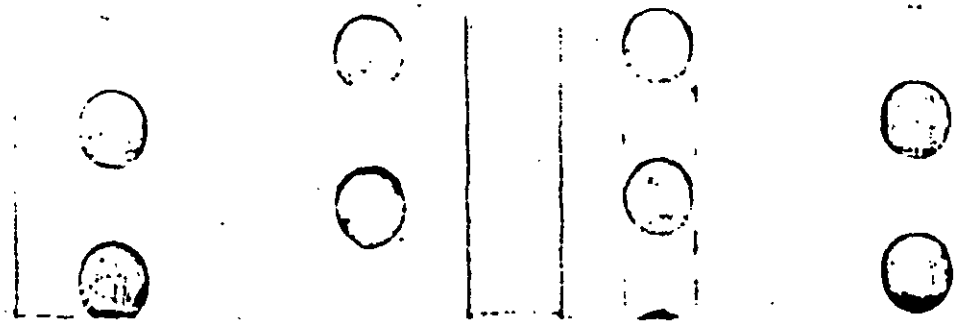
PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 397.70 | 6.30 | 7.10 |
| 404.50 | 6.30 | 6.90 |
| 411.00 | 6.30 | 6.80 |
| 418.10 | 6.30 | 6.70 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 150.43 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES



| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FMF |
|---|---|---|---|
| .00 | 15.92 | V12 EL=16 | 60 |
| 43.41 | 15.50 | V12 EL=15 | 60 |
| 81.97 | 14.50 | V12 EL=14 | 60 |
| 96.59 | 13.50 | V12 EL=13 | 60 |
| 148.97 | 12.50 | V12 EL=12 | 60 |
| 150.43 | 12.60 | A 7 EL=12 | 35 |
| ROAD ON QUAD → 251 | | | |
| 313.49 | 11.50 | A 7 EL=11 | 35 |
| 318.58 | 10.50 | A 7 EL=10 | 35 |
| 319.60 | 10.30 | | |
| 323.80 | 10.30 | | |
| 325.20 | 10.20 | | |
| 336.50 | 9.80 | | |
| 343.40 | 9.60 | | |
| 352.00 | 9.10 | | |
| 360.30 | 8.70 | | |
| 368.30 | 8.40 | | |
| 376.10 | 8.00 | | |
| 383.50 | 7.70 | | |

V12 EL=16

V12 EL=15

V12 EL=14

V12 EL=13

V12 EL=12

A 7 EL=12

A 7 EL=11

A 7 EL=10

ZONE B

FINAL MAPPED ZONES

V12 EL=16

V12 EL=14

A4 EL=12

A4 EL=10

| | | | |
|---|---|---|---|
| | 390.80 | 7.40 | |
| | | | A 7 EL= 7 35 |
| | 391.33 | 7.50 | |
| | | | A 7 EL= 8 35 |
| | 396.64 | 8.50 | |
| | | | A 7 EL= 9 35 |
| | 397.70 | 8.70 | |
| | | | A 7 EL= 9 35 |
| | 398.50 | 8.50 | |
| | | | A 7 EL= 8 35 |
| | 402.50 | 7.50 | |
| | | | A 7 EL= 7 35 |
| | 404.50 | 7.00 | |
| | | | A 7 EL= 7 35 |
| | 411.00 | 6.85 | |
| | | | A 7 EL= 7 35 |
| | 418.10 | 6.75 | |
| NC 210 → | 471.00 | 8.50 | |
| | 674.00 | 8.50 | |

A 7 EL= 9

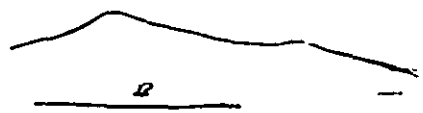
A 9
EL= 9

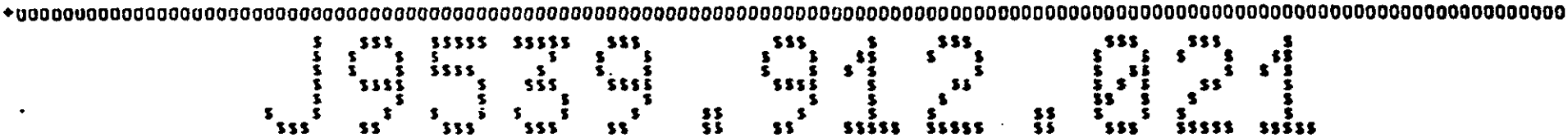
MATCH
ZONE B

A 8

OK

ZONE TERMINATED AT END OF TRANSECT





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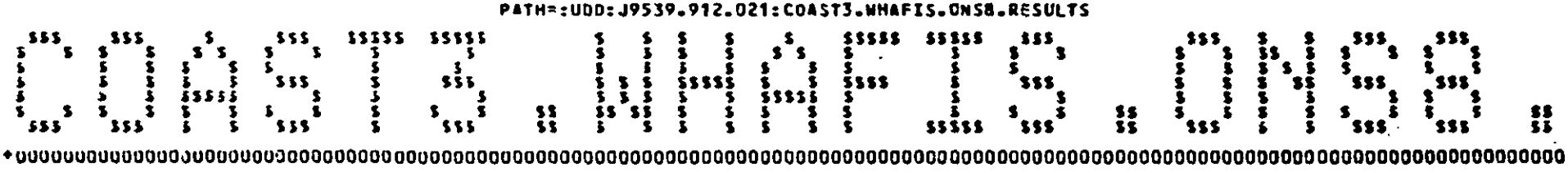


Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00

New T-8

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 8.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.300 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 10.000 | -.300 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 15.400 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 60.000 | 2.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 86.000 | 3.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 105.000 | 5.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 110.000 | 6.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 125.000 | 4.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 139.000 | 4.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 151.000 | 9.100 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 167.000 | 8.600 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 178.000 | 5.600 | .000 | 9.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 204.000 | 2.600 | .000 | 9.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 208.000 | 2.500 | .000 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 307.000 | 2.400 | .000 | 7.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 327.000 | 1.900 | .000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 338.000 | 1.300 | .000 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 351.000 | 2.300 | .000 | 7.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 373.000 | 2.500 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 496.700 | 2.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 498.000 | 3.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 503.700 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 505.100 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 512.100 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 519.200 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 526.300 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 533.300 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 540.400 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 547.400 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 554.500 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 561.600 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 568.600 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 575.700 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 582.800 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 589.800 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 596.900 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 603.900 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 611.000 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 618.100 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 625.100 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 632.200 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 639.300 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 646.300 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 653.400 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 660.400 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 667.500 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 674.000 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| EF | 1000.000 | 1000.000 | 5.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 10.000 | END ELEVATION -.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 15.400 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 60.000 | END ELEVATION 2.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 86.000 | END ELEVATION 3.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 105.000 | END ELEVATION 5.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 110.000 | END ELEVATION 6.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 125.000 | END ELEVATION 4.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 139.000 | END ELEVATION 4.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 151.000 | END ELEVATION 9.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 167.000 | END ELEVATION 8.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 178.000 | END ELEVATION 5.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | 204.000 | 2.600 | .000 | 9.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 208.000 | 2.500 | .000 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 307.000 | 2.400 | .000 | 7.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 327.000 | 1.900 | .000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 338.000 | 1.300 | .000 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 351.000 | 2.300 | .000 | 7.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 373.000 | 2.500 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 496.700 | 2.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 493.000 | 3.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 503.700 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 505.100 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 512.100 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 519.200 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | 526.300 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 533.300 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 540.400 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 547.400 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 554.500 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 561.600 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 568.600 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 575.700 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 582.800 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 589.800 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 596.900 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 603.900 | 6.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END | END | NEW SURGE | NEW SURGE | | | | | | AVERAGE |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | STATION 611.000 | ELEVATION 6.900 | 10-YEAR .000 | 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | A-ZONES .000 |
| IF | END STATION 618.100 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 625.100 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 632.200 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 639.300 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 646.300 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 653.400 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 660.400 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 667.500 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 674.000 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

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

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IF | .00 | 8.03 | 15.92 |
| OF | 10.00 | 8.03 | 15.92 |
| OF | 15.40 | 8.03 | 15.92 |
| IF | 60.00 | 6.32 | 14.72 |
| IF | 86.00 | 4.99 | 13.79 |
| IF | 105.00 | 4.06 | 13.14 |
| IF | 110.00 | 3.20 | 12.54 |
| IF | 125.00 | 3.20 | 12.54 |
| IF | 139.00 | 3.20 | 12.54 |
| IF | 151.00 | .94 | 10.96 |
| IF | 167.00 | .94 | 10.86 |
| IF | 178.00 | .94 | 10.66 |
| IF | 204.00 | .99 | 10.39 |
| IF | 208.00 | 1.00 | 10.15 |
| IF | 307.00 | 1.19 | 9.48 |
| IF | 327.00 | 1.20 | 8.59 |
| IF | 338.00 | 1.21 | 8.35 |
| IF | 351.00 | 1.21 | 8.20 |
| IF | 373.00 | 1.22 | 8.01 |
| IF | 496.70 | 1.25 | 7.88 |
| IF | 498.00 | 1.25 | 7.88 |
| IF | 503.70 | .09 | 7.05 |
| IF | 505.10 | .08 | 7.05 |
| IF | 512.10 | .08 | 7.05 |
| IF | 519.20 | .08 | 7.05 |
| IF | 526.30 | .08 | 7.05 |
| IF | 533.30 | .08 | 7.05 |
| IF | 540.40 | .08 | 7.05 |

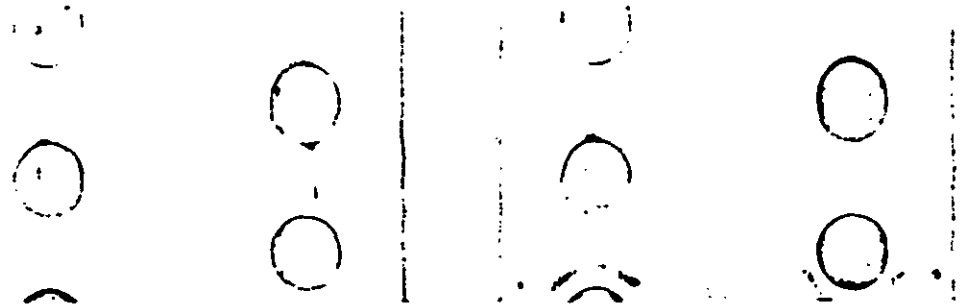
| | | | |
|---|---|---|---|
| IF | 547.40 | .08 | 7.05 |
| IF | 554.50 | .08 | 7.05 |
| IF | 561.60 | .08 | 7.05 |
| IF | 568.60 | .08 | 7.05 |
| IF | 575.70 | .08 | 7.05 |
| IF | 582.80 | .08 | 7.05 |
| IF | 589.80 | .08 | 7.05 |
| IF | 596.90 | .08 | 7.05 |
| IF | 603.90 | .08 | 7.05 |
| IF | 611.00 | .08 | 7.05 |
| IF | 618.10 | .08 | 7.05 |
| IF | 625.10 | .08 | 7.05 |
| IF | 632.20 | .08 | 7.05 |
| IF | 639.30 | .08 | 7.05 |
| IF | 646.30 | .08 | 7.05 |
| IF | 653.40 | .08 | 7.05 |
| IF | 660.40 | .08 | 7.05 |
| IF | 667.50 | .08 | 7.05 |
| IF | 674.00 | .08 | 7.05 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 167.00 | 6.30 | 10.10 |
| 178.00 | 6.30 | 9.90 |
| 204.00 | 6.30 | 9.50 |
| 208.00 | 6.30 | 9.40 |
| 307.00 | 6.30 | 7.90 |
| 327.00 | 6.30 | 7.60 |



| | | |
|---|---|---|
| 338.00 | 6.30 | 7.40 |
| 351.00 | 6.30 | 7.30 |
| 373.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 140.05 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

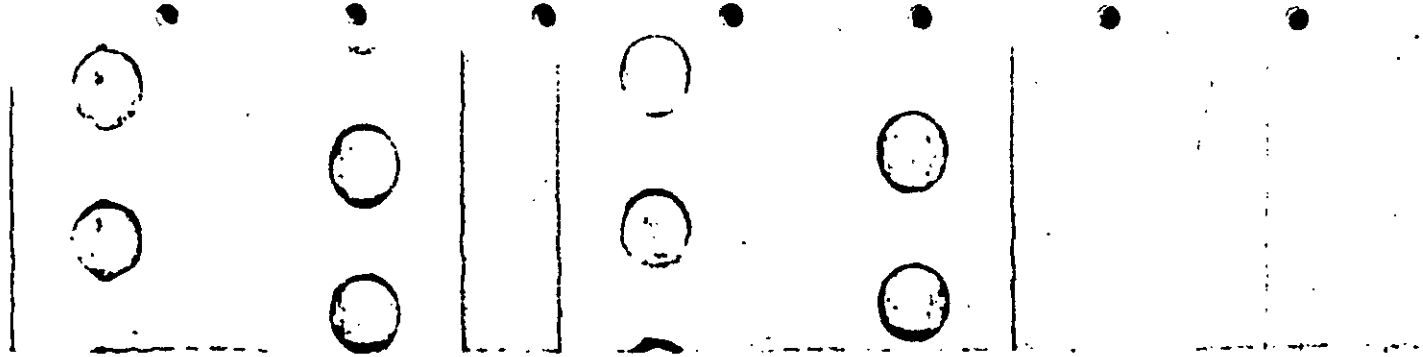
| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | PMF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 31.14 | 15.50 | | |
| | | V12 EL=15 | 60 |
| 66.24 | 14.50 | | |
| | | V12 EL=14 | 60 |
| 96.54 | 13.50 | | |
| | | V12 EL=13 | 60 |
| 139.29 | 12.50 | | |
| | | V12 EL=12 | 60 |
| 140.05 | 12.40 | | |
| | | A 4 EL=12 | 20 |
| 146.87 | 11.50 | | |
| | | A 4 EL=11 | 20 |
| 151.00 | 10.96 | | |
| | | A 4 EL=11 | 20 |
| 167.00 | 10.85 | | |
| | | A 4 EL=11 | 20 |
| 175.00 | 10.66 | | |
| | | A 4 EL=11 | 20 |
| 193.41 | 10.50 | | |

FINAL MAPPED ZONES

V12 EL=16

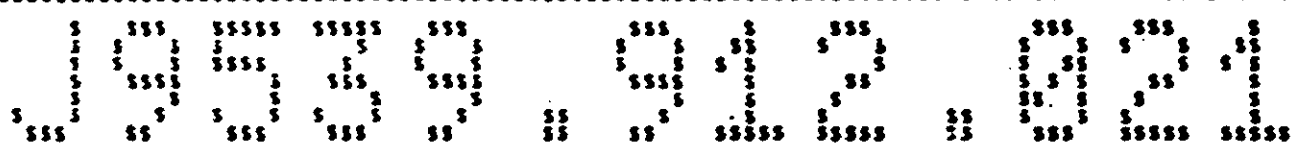
V12 EL=14

A4 EL=12



| | | | | |
|---|---|---|---|---|
| | | A 4 EL=10 | 20 | |
| 204.00 | 10.39 | | | |
| | | A 4 EL=10 | 20 | A4 EL=10 |
| 208.00 | 10.15 | | | |
| | | A 4 EL=10 | 20 | |
| 304.73 | 9.50 | | | |
| | | A 4 EL= 9 | 20 | |
| 307.00 | 9.48 | | | |
| | | A 4 EL= 9 | 20 | A4 EL=9 |
| 327.00 | 8.59 | | | |
| | | A 4 EL= 9 | 20 | |
| 331.11 | 8.50 | | | |
| | | A 4 EL= 8 | 20 | |
| 338.00 | 8.35 | | | |
| | | A 4 EL= 8 | 20 | |
| 351.00 | 8.20 | | | A4 FL=8 |
| | | A 4 EL= 8 | 20 | |
| 373.00 | 8.01 | | | |
| | | A 4 EL= 8 | 20 | |
| 500.62 | 7.50 | | | |
| | | A 4 EL= 7 | 20 | MATCH |
| 674.00 | 7.05 | | | A9 EL=7 |

ZONE TERMINATED AT END OF TRANSECT



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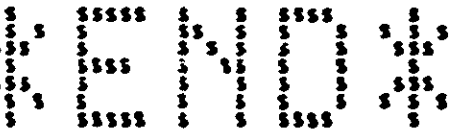


Greenhorne & O'Mara Inc-MV8000/A

AOS/VS REV 06.04
AOS/VS XLPT REV 05.00

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 9.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 1.000 | -.700 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 19.900 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 81.000 | 2.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 104.000 | 4.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 108.000 | 6.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 126.000 | 8.700 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 136.000 | 5.600 | .000 | 10.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 147.000 | 4.000 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 155.000 | 4.000 | .000 | 10.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 223.000 | 3.100 | .000 | 9.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 395.000 | 2.000 | .000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 453.000 | 2.000 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 486.700 | 2.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 489.600 | 3.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 492.900 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 495.900 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 502.000 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 508.300 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 514.500 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 520.700 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 526.900 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 533.200 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 539.400 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 545.600 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 551.800 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 558.000 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 564.300 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 570.500 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 576.700 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 582.900 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 589.100 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 595.400 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 601.600 | 5.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

| | END STATION | END ELEVATION | FETCH LENGTH | SURGE ELEV 10-YEAR | SURGE ELEV 100-YEAR | INITIAL WAVE HEIGHT | INITIAL W. PERIOD | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| OF | 1.000 | -.700 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| OF | 19.900 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 81.000 | 2.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 104.000 | 4.300 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 108.000 | 6.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 126.000 | 8.700 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 136.000 | 5.600 | .000 | 10.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 147.000 | 4.000 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 155.000 | 4.000 | .000 | 10.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 225.000 | 3.100 | .000 | 9.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 395.000 | 2.000 | .000 | 7.600 | .000 | .000 | .000 | .000 | .000 | .000 |

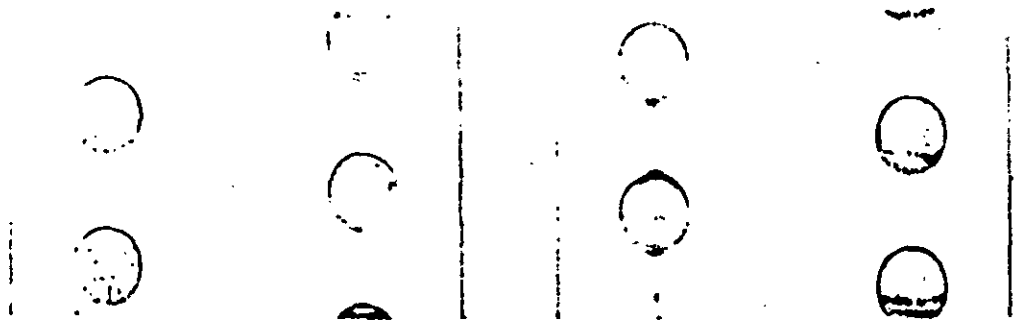
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 453.000 | END ELEVATION 2.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 486.700 | END ELEVATION 2.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 489.600 | END ELEVATION 5.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 492.900 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 495.800 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 502.000 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 508.300 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 514.500 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 520.700 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 526.900 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 533.200 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 539.400 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 545.600 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 551.500 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 558.000 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 564.300 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 570.500 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 576.700 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 582.900 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 589.100 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 595.400 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 601.600 | END ELEVATION 5.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

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

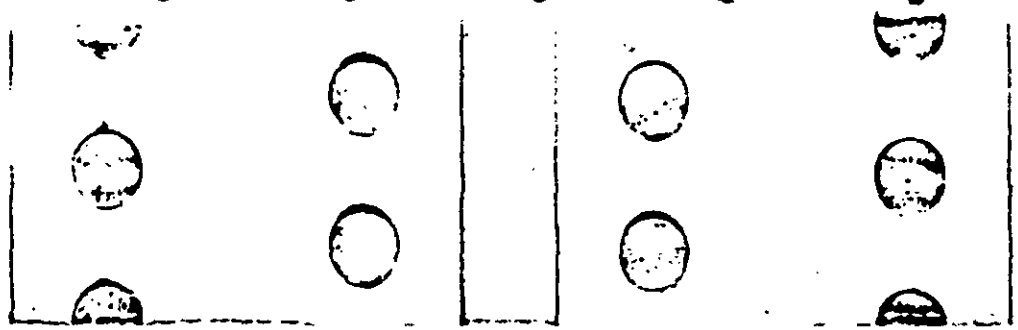
NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.



PART2 WAVE HEIGHTS AND ELEVATIONS

| | LOCATION | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 1.00 | 8.03 | 15.92 |
| OF | 19.90 | 8.03 | 15.92 |
| IF | 81.00 | 6.32 | 14.72 |
| IF | 104.00 | 4.68 | 13.58 |
| IF | 108.00 | 3.28 | 12.59 |
| IF | 126.00 | 1.25 | 11.17 |
| IF | 136.00 | 1.25 | 11.12 |
| IF | 147.00 | 1.25 | 11.03 |
| IF | 155.00 | 1.26 | 10.93 |
| IF | 223.00 | 1.30 | 10.56 |
| IF | 395.00 | 1.37 | 9.41 |
| IF | 453.00 | 1.39 | 8.27 |
| IF | 486.70 | 1.40 | 7.98 |
| IF | 489.60 | 1.40 | 7.98 |
| IF | 492.90 | .86 | 7.60 |
| IF | 495.80 | .86 | 7.60 |
| IF | 502.00 | .86 | 7.60 |
| IF | 508.30 | .86 | 7.60 |
| IF | 514.50 | .86 | 7.60 |
| IF | 520.70 | .86 | 7.60 |
| IF | 526.90 | .86 | 7.60 |
| IF | 533.20 | .86 | 7.60 |
| IF | 539.40 | .86 | 7.60 |
| IF | 545.60 | .86 | 7.60 |
| IF | 551.80 | .86 | 7.60 |
| IF | 558.00 | .86 | 7.60 |
| IF | 564.30 | .86 | 7.60 |



| | | | |
|---|---|---|---|
| IF | 570.50 | .86 | 7.60 |
| IF | 576.70 | .86 | 7.60 |
| IF | 582.90 | .86 | 7.60 |
| IF | 589.10 | .86 | 7.60 |
| IF | 595.40 | .86 | 7.60 |
| IF | 601.60 | .86 | 7.60 |

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .86 WHICH EXCEEDS 0.5.

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 136.00 | 6.30 | 10.20 |
| 147.00 | 6.30 | 10.10 |
| 155.00 | 6.30 | 10.00 |
| 223.00 | 6.30 | 9.30 |
| 395.00 | 6.30 | 7.60 |
| 453.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 110.45 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

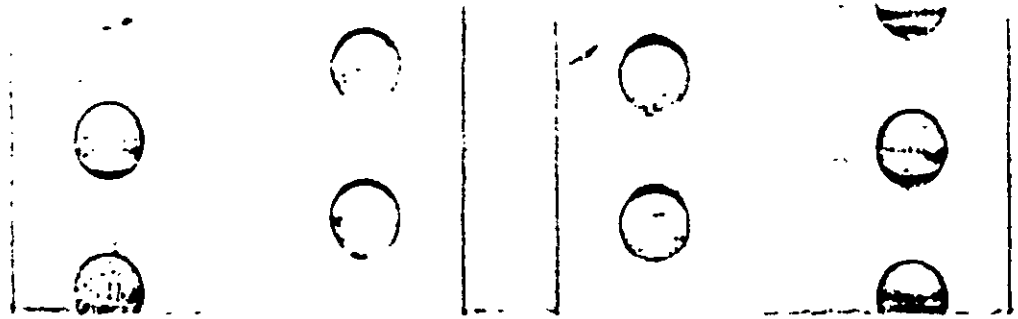
| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 41.46 | 15.50 | | |
| | | V12 EL=15 | 60 |
| 85.47 | 14.50 | | |

V12 EL=16

V12 EL=15

FINAL MAPPED ZONES:

V12 EL=16



| | | | | | |
|---|---|---|---|---|---|
| | 106.31 | 13.50 | V12 EL=14 | 60 | V12 EL=14 |
| | 109.18 | 12.50 | V12 EL=13 | 60 | |
| | 110.45 | 12.40 | V12 EL=12 | 60 | |
| | 121.86 | 11.50 | A 6 EL=12 | 30 | A4 EL=12 |
| | 126.00 | 11.17 | A 6 EL=11 | 30 | |
| | 136.00 | 11.12 | A 6 EL=11 | 30 | |
| | 147.00 | 11.03 | A 6 EL=11 | 30 | |
| ROAD ON QUAD → | 155.00 | 10.93 | A 6 EL=11 | 30 | A4 EL=11 |
| | 223.00 | 10.56 | A 6 EL=11 | 30 | |
| | 231.56 | 10.50 | A 6 EL=10 | 30 | A4 EL=10 |
| | 381.37 | 9.50 | A 6 EL= 9 | 30 | A4 EL=9 |
| | 395.00 | 9.41 | A 6 EL= 9 | 30 | |
| | 441.43 | 8.50 | A 6 EL= 8 | 30 | MATCH ZONE B |
| NC 210 → | 453.00 | 8.27 | A 6 EL= 8 | 30 | |
| | 601.60 | 7.40 | | | |

V12 EL=14

A4 EL=12

A4 EL=11

A4 EL=10

A4 EL=9

MATCH ZONE B

V12 EL=14

A4 EL=12

A4 FL10

A4 FL9

A4 FL8

DUFG NOT SHOWN LS Sta 601 120'

ZONE TERMINATED AT END OF TRANSECT

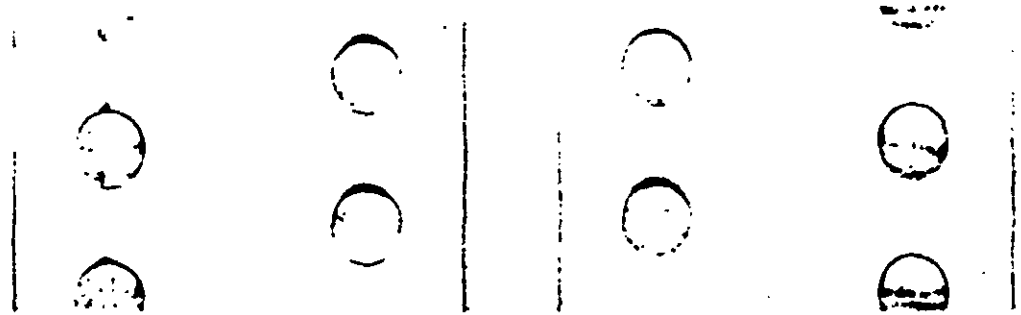
WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 10.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 9.000 | -.600 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 24.300 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 73.000 | 2.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 92.000 | 4.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 102.000 | 6.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 115.000 | 9.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 141.000 | 9.900 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 154.000 | 7.600 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 179.000 | 4.700 | .000 | 9.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 199.000 | 3.500 | .000 | 9.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 216.000 | 3.300 | .000 | 8.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 237.200 | 2.800 | .000 | 7.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 263.000 | 6.500 | .000 | 7.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 264.600 | 7.500 | .000 | 7.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 270.400 | 7.400 | .000 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 662.000 | 5.100 | .000 | 7.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IE | 504.000 | 5.600 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 676.000 | 5.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Sp. 1583 (round)

State 710 (new)



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 9.000 | END ELEVATION -.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 26.300 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 73.000 | END ELEVATION 2.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 92.000 | END ELEVATION 4.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 102.000 | END ELEVATION 6.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 115.000 | END ELEVATION 9.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 141.000 | END ELEVATION 9.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 154.000 | END ELEVATION 7.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 179.000 | END ELEVATION 4.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 199.000 | END ELEVATION 3.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 216.000 | END ELEVATION 3.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.700 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | 257.200 | 2.800 | .000 | 7.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 263.000 | 6.500 | .000 | 7.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 264.600 | 7.500 | .000 | 7.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| AS | 270.400 | 7.400 | .000 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 462.000 | 5.100 | .000 | 7.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 504.000 | 5.600 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 674.000 | 5.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

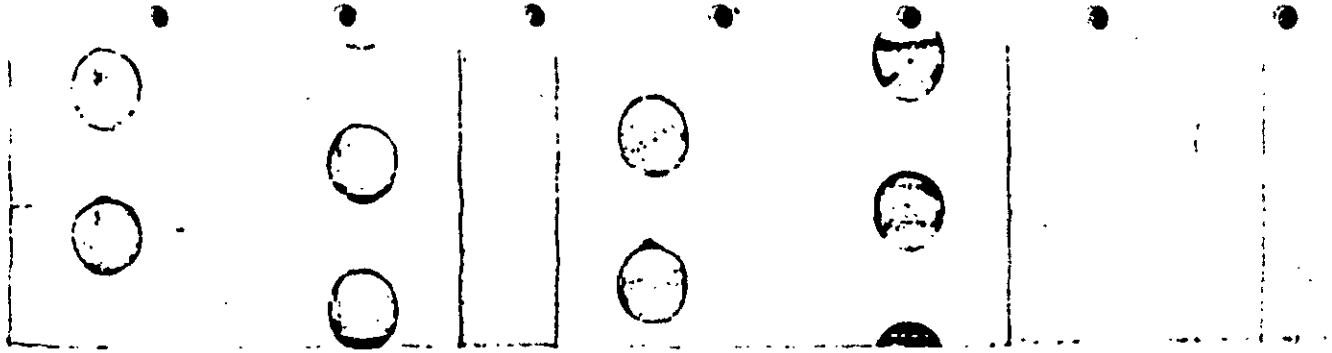
| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 9.00 | 8.03 | 15.92 |
| OF | 24.30 | 8.03 | 15.92 |
| IF | 73.00 | 6.40 | 14.78 |
| IF | 92.00 | 4.60 | 13.52 |
| IF | 102.00 | 2.96 | 12.37 |
| IF | 115.00 | .62 | 10.74 |
| IF | 141.00 | .31 | 10.52 |
| IF | 154.00 | .31 | 10.42 |
| IF | 179.00 | .35 | 10.04 |
| IF | 199.00 | .38 | 9.52 |
| IF | 216.00 | .42 | 9.14 |
| IF | 257.20 | .49 | 8.60 |
| IF | 263.00 | .50 | 8.10 |
| IF | 264.60 | .00 | 7.60 |
| AS | 270.40 | .00 | 7.60 |
| IF | 482.00 | .07 | 7.30 |
| IF | 504.00 | .09 | 7.12 |
| IF | 674.00 | .18 | 7.13 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

BETWEEN 264.60 AND 270.40

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 154.00 | 6.30 | 10.10 |
| 179.00 | 6.30 | 9.50 |
| 199.00 | 6.30 | 9.00 |



| | | |
|---|---|---|
| 216.00 | 6.30 | 8.70 |
| 257.20 | 6.30 | 7.80 |
| 263.00 | 6.30 | 7.70 |
| 264.60 | 6.30 | 7.50 |
| 270.40 | 6.30 | 7.40 |
| 462.00 | 6.30 | 7.10 |
| 504.00 | 6.30 | 7.00 |

PARTS LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 101.78 | WINDWARD |

PARTS NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FMF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 42.30 | 15.50 | | |
| | | V12 EL=15 | 60 |
| 77.19 | 14.50 | | |
| | | V12 EL=14 | 60 |
| 92.19 | 13.50 | | |
| | | V12 EL=13 | 60 |
| 100.91 | 12.50 | | |
| | | V12 EL=12 | 60 |
| 101.78 | 12.40 | | |
| | | A 3 EL=12 | 15 |
| 108.96 | 11.50 | | |
| | | A 3 EL=11 | 15 |
| 141.00 | 10.52 | | |
| | | A 3 EL=11 | 15 |
| 143.42 | 10.50 | | |

FINAL MAPPED ZONES

V12 EL=16

V12 EL=15

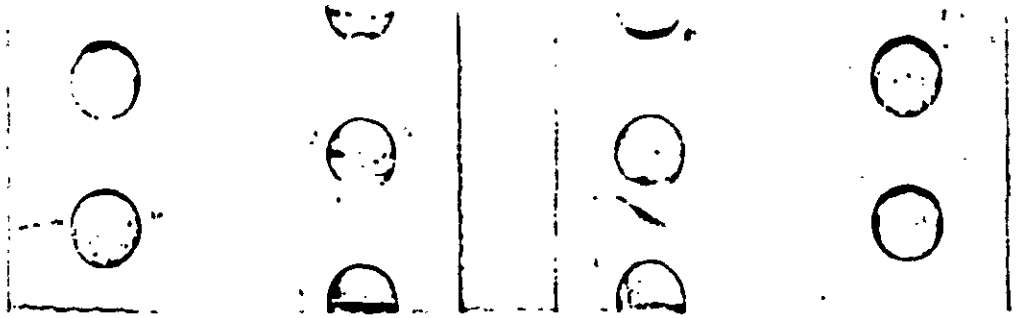
V12 EL=14

A 4 EL=12

V12 EL=16

V12 FL14

A4 FL=12



| | | | |
|---|---|---|---|
| | | A 3 EL=10 | 15 |
| 154.00 | 10.62 | | |
| | | A 3 EL=10 | 15 |
| 179.00 | 10.04 | | |
| | | A 3 EL=10 | 15 |
| 199.00 | 9.52 | | |
| | | A 3 EL=10 | 15 |
| 199.83 | 9.50 | | |
| | | A 3 EL= 9 | 15 |
| 216.00 | 9.14 | | |
| | | A 3 EL= 9 | 15 |
| 257.20 | 8.60 | | |
| | | A 3 EL= 9 | 15 |
| 258.32 | 8.50 | | |
| | | A 3 EL= 8 | 15 |
| 263.00 | 8.10 | | |
| | | A 3 EL= 8 | 15 |
| 266.60 | 7.60 | | |
| 270.40 | 7.40 | | |
| | | A 3 EL= 7 | 15 |
| 462.00 | 7.30 | | |
| | | A 3 EL= 7 | 15 |
| NC 210 → 504.00 | 7.12 | | |
| | | A 3 EL= 7 | 15 |
| 674.00 | 7.13 | | |

ZONE TERMINATED AT END OF TRANSECT

DOES NOT SATISFY LS Setback 120'

A4 EL=11

A4 EL=10

A4 EL=10

A4 EL=9

~~A4 EL=8~~

MATCH ZONE B

A4 EL=8

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 11.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 12.000 | -.700 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 54.100 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 112.000 | 2.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 141.000 | 4.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 147.000 | 4.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 165.000 | 6.600 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 177.000 | 6.100 | .000 | 10.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 195.000 | 5.400 | .000 | 10.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 212.000 | 5.200 | .000 | 9.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 264.000 | 5.400 | .000 | 9.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 306.000 | 5.400 | .000 | 9.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 351.000 | 5.400 | .000 | 8.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 383.000 | 5.200 | .000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 407.100 | 5.100 | .000 | 8.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 610.900 | 5.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 615.200 | 8.200 | .000 | 6.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 618.900 | 8.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 626.900 | 8.000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 634.800 | 7.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 642.600 | 7.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 650.300 | 7.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 653.000 | 7.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 665.700 | 7.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 571.300 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| AS | 574.000 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

JB 1543

STATE FIP

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 12.000 | END ELEVATION -.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 34.100 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 112.000 | END ELEVATION 2.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 141.000 | END ELEVATION 4.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 147.000 | END ELEVATION 4.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 165.000 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 177.000 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.200 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 195.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 212.000 | END ELEVATION 3.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 264.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 306.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 351.000 | END ELEVATION 3.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.700 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 383.000 | END ELEVATION 3.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 407.100 | END ELEVATION 3.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 410.900 | END ELEVATION 5.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 415.200 | END ELEVATION 8.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.200 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 418.900 | END ELEVATION 8.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 426.900 | END ELEVATION 8.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 434.800 | END ELEVATION 7.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 442.600 | END ELEVATION 7.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 450.300 | END ELEVATION 7.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 458.000 | END ELEVATION 7.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 465.700 | END ELEVATION 7.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| AS | END STATION 571.000 | END ELEVATION 7.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| AS | 674.000 | 7.200 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

END OF TRANSECT

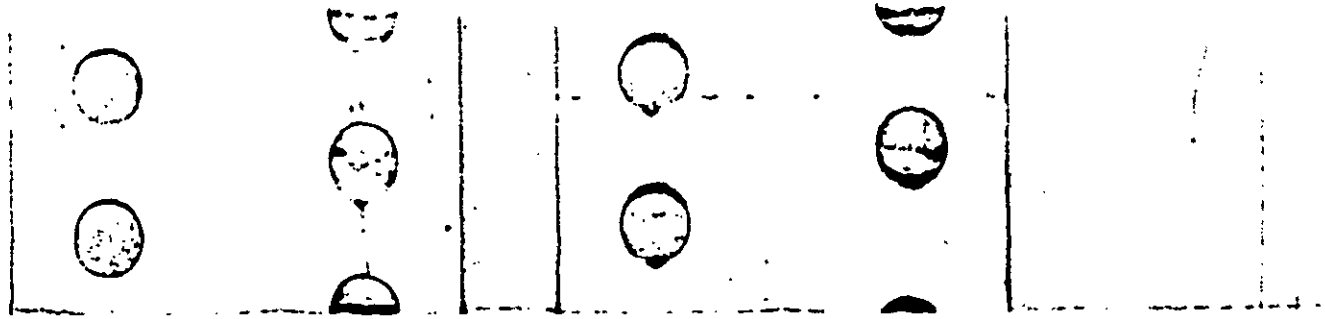
NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 12.00 | 8.03 | 15.92 |
| OF | 34.10 | 8.03 | 15.92 |
| IF | 112.00 | 6.16 | 14.61 |
| IF | 141.00 | 4.45 | 13.41 |
| IF | 147.00 | 4.21 | 13.25 |
| IF | 165.00 | 2.89 | 12.32 |
| IF | 177.00 | 2.89 | 12.27 |
| IF | 195.00 | 2.89 | 12.12 |
| IF | 212.00 | 2.89 | 11.97 |
| IF | 264.00 | 2.89 | 11.72 |
| IF | 306.00 | 2.89 | 11.32 |
| IF | 351.00 | 2.89 | 10.92 |
| IF | 383.00 | 2.89 | 10.62 |
| IF | 407.10 | 2.89 | 10.42 |
| IF | 410.90 | 2.18 | 9.83 |
| IF | 415.20 | .00 | 8.25 |
| AS | 418.90 | .00 | 8.10 |
| AS | 426.90 | .00 | 8.00 |
| AS | 434.80 | .00 | 7.90 |
| AS | 442.60 | .00 | 7.90 |
| AS | 450.30 | .00 | 7.80 |
| AS | 458.00 | .00 | 7.70 |
| AS | 465.70 | .00 | 7.70 |
| AS | 571.00 | .00 | 7.20 |
| AS | 674.00 | .00 | 7.20 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE



| | | | |
|---|---|---|---|
| BETWEEN | 415.20 | AND | 418.90 |
| BETWEEN | 418.90 | AND | 426.90 |
| BETWEEN | 426.90 | AND | 434.80 |
| BETWEEN | 434.80 | AND | 442.60 |
| BETWEEN | 442.60 | AND | 450.30 |
| BETWEEN | 450.30 | AND | 458.00 |
| BETWEEN | 458.00 | AND | 465.70 |
| BETWEEN | 465.70 | AND | 571.00 |
| BETWEEN | 571.00 | AND | 674.00 |

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 177.00 | 6.30 | 10.20 |
| 195.00 | 6.30 | 10.00 |
| 212.00 | 6.30 | 9.90 |
| 264.00 | 6.30 | 9.50 |
| 306.00 | 6.30 | 9.10 |
| 351.00 | 6.30 | 8.70 |
| 383.00 | 6.30 | 8.50 |
| 407.10 | 6.30 | 8.30 |
| 415.20 | 6.30 | 8.20 |

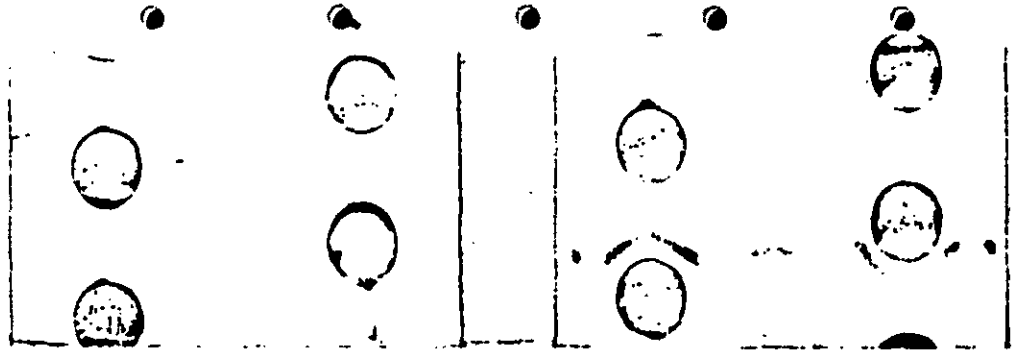
PART5 LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 163.45 | WINDWARD |

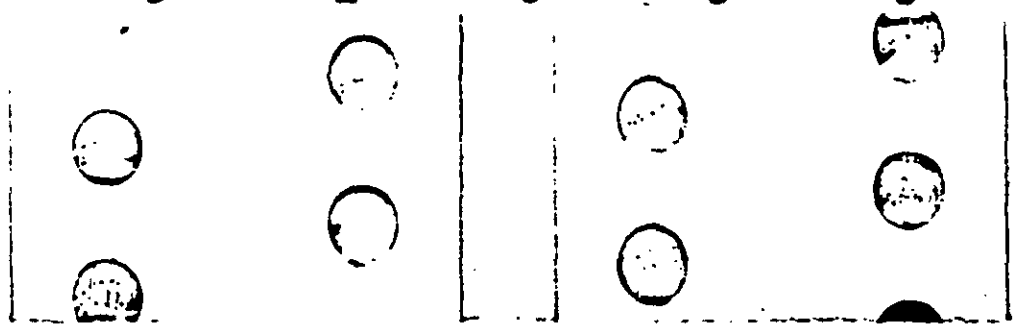
PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 59.29 | 15.50 | | |

V12 EL=16



| | | | | | |
|---|---|---|---|---|---|
| | | V12 EL=15 | 60 | V12 EL=15 | FINAL MARKED GRADE V12 EL=16 |
| 114.74 | 14.50 | | | | |
| | | V12 EL=14 | 60 | | |
| 138.88 | 13.50 | | | | |
| | | V12 EL=13 | 60 | V12 EL=14 | V12 EL=14 |
| 161.51 | 12.50 | | | | |
| | | V12 EL=12 | 60 | | |
| 163.45 | 12.60 | | | | |
| | | A 8 EL=12 | 40 | | |
| 165.00 | 12.32 | | | | |
| | | A 8 EL=12 | 40 | | |
| 177.00 | 12.27 | | | | |
| | | A 8 EL=12 | 40 | | |
| 195.00 | 12.12 | | | | |
| | | A 8 EL=12 | 40 | A4 EL=12 | A4 EL=12 |
| ROAD ON QUAD → 212.00 | 11.97 | | | | |
| | | A 8 EL=12 | 40 | | |
| 264.00 | 11.72 | | | | |
| | | A 8 EL=12 | 40 | | |
| 287.39 | 11.50 | | | | |
| | | A 8 EL=11 | 40 | | |
| 306.00 | 11.32 | | | | |
| | | A 8 EL=11 | 40 | | |
| 351.00 | 10.92 | | | A4 EL=11 | A4 EL=11 |
| | | A 8 EL=11 | 40 | | |
| 383.00 | 10.62 | | | | |
| | | A 8 EL=11 | 40 | | |
| 397.82 | 10.50 | | | | |
| | | A 8 EL=10 | 40 | | |
| 407.10 | 10.42 | | | | |
| | | A 8 EL=10 | 40 | A4 EL=10 | |



| | | |
|---|---|---|
| | 410.90 | 9.83 |
| A 8 EL=10 40 | | |
| | 411.80 | 9.50 |
| A 8 EL= 9 40 | | |
| | 414.52 | 8.50 |
| A 8 EL= 8 40 | | |
| | 415.20 | 8.25 |
| | 418.90 | 8.10 |
| | 426.90 | 8.00 |
| | 436.80 | 7.90 |
| | 442.60 | 7.90 |
| | 450.30 | 7.80 |
| NC 210 → | 458.00 | 7.70 |
| | 465.70 | 7.70 |
| | 571.00 | 7.20 |
| | 674.00 | 7.20 |

ZONE TERMINATED AT END OF TRANSECT

OFF

A9 FL=10

A9 EL=9

A9 FL=8

A9 FL=8

MARCH

A9 EL=7

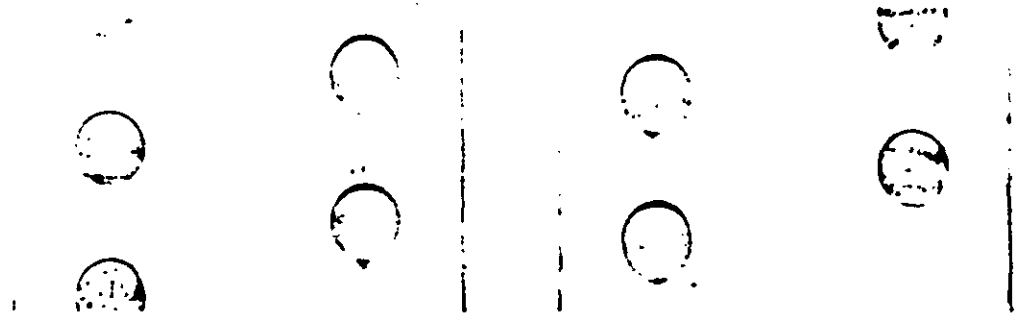
NOTES ON TRANSECT,

WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 12.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 5.000 | -.700 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 29.300 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 117.000 | 2.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 149.000 | 4.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 156.000 | 5.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 165.000 | 8.700 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 191.000 | 5.800 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 216.000 | 4.300 | .000 | 9.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 243.000 | 3.800 | .000 | 9.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 291.000 | 2.500 | .000 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 311.300 | 2.200 | .000 | 9.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 340.200 | 2.300 | .000 | 8.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 341.000 | 2.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 346.800 | 6.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 367.700 | 6.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 527.000 | 5.700 | .000 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 581.000 | 6.000 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 621.000 | 6.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 574.000 | 6.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| ET | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

STATE 210



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 5.000 | END ELEVATION -.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 29.300 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 117.000 | END ELEVATION 2.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 149.000 | END ELEVATION 4.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 156.000 | END ELEVATION 5.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 165.000 | END ELEVATION 8.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 191.000 | END ELEVATION 5.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 214.000 | END ELEVATION 4.300 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 243.000 | END ELEVATION 3.800 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.700 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 281.000 | END ELEVATION 2.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.400 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 311.000 | END ELEVATION 2.200 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | 340.200 | 2.300 | .000 | 8.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 341.000 | 2.800 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 346.800 | 6.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 347.700 | 6.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 527.000 | 5.700 | .000 | 7.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 581.000 | 6.000 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 621.000 | 6.100 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| | END STATION | END ELEVATION | NEW SURGE 10-YEAR | NEW SURGE 100-YEAR | | | | | | AVERAGE A-ZONES |
| IF | 674.000 | 6.400 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

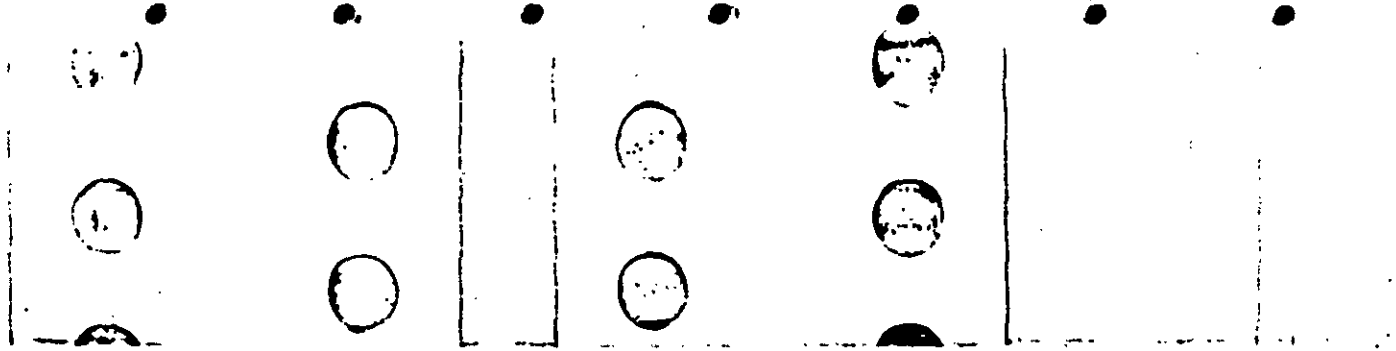
| | LOCATION | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 5.00 | 8.03 | 15.92 |
| OF | 29.30 | 8.03 | 15.92 |
| IF | 117.00 | 5.93 | 14.45 |
| IF | 149.00 | 4.60 | 13.52 |
| IF | 156.00 | 3.59 | 12.81 |
| IF | 165.00 | 1.25 | 11.17 |
| IF | 191.00 | 1.25 | 11.07 |
| IF | 214.00 | 1.26 | 10.88 |
| IF | 243.00 | 1.27 | 10.69 |
| IF | 281.00 | 1.30 | 10.46 |
| IF | 311.00 | 1.33 | 10.18 |
| IF | 340.20 | 1.35 | 9.95 |
| IF | 341.00 | 1.35 | 9.85 |
| IF | 346.80 | 1.35 | 9.85 |
| IF | 347.70 | 1.35 | 9.85 |
| IF | 527.00 | 1.33 | 9.08 |
| IF | 581.00 | .78 | 7.75 |
| IF | 621.00 | .70 | 7.49 |
| IF | 674.00 | .67 | 7.33 |

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 191.00 | 6.30 | 10.10 |
| 214.00 | 6.30 | 9.90 |



| | | |
|---|---|---|
| 243.00 | 6.30 | 9.70 |
| 281.00 | 6.30 | 9.40 |
| 311.00 | 6.30 | 9.10 |
| 340.20 | 6.30 | 8.90 |
| 527.00 | 6.30 | 7.40 |
| 581.00 | 6.30 | 7.00 |

PARTS LOCATION OF V ZONES

| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 158.26 | WINDWARD |

PARTS NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | PHF |
|---|---|---|---|
| .00 | 15.92 | | |
| | | V12 EL=16 | 60 |
| 54.51 | 15.50 | | |
| | | V12 EL=15 | 60 |
| 114.00 | 14.50 | | |
| | | V12 EL=14 | 60 |
| 149.21 | 13.50 | | |
| | | V12 EL=13 | 60 |
| 157.71 | 12.50 | | |
| | | V12 EL=12 | 60 |
| 158.26 | 12.40 | | |
| | | A 6 EL=12 | 30 |
| 163.21 | 11.50 | | |
| | | A 6 EL=11 | 30 |
| 165.00 | 11.17 | | |
| | | A 6 EL=11 | 30 |
| 191.00 | 11.07 | | |
| | | A 6 EL=11 | 30 |

V12 EL=16

V12 EL=15

V12 EL=14

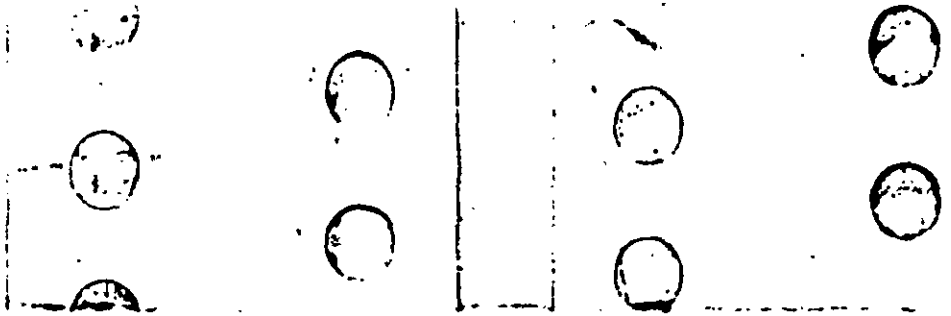
A4 EL=12

FINAL MAPPED ZONES

V12 EL=16

V12 EL=14

A4 EL=12



| | | | | | |
|---|---|---|---|---|---|
| | 214.00 | 10.88 | | | |
| | | | A 6 EL=11 | 30 | A4 EL=11 |
| | 243.00 | 10.69 | | | |
| | | | A 6 EL=11 | 30 | |
| | 276.05 | 10.50 | | | |
| | | | A 6 EL=10 | 30 | |
| | 281.00 | 10.46 | | | |
| | | | A 6 EL=10 | 30 | |
| | 311.00 | 10.18 | | | |
| | | | A 6 EL=10 | 30 | |
| | 340.20 | 9.95 | | | A4 EL=10 |
| | | | A 6 EL=10 | 30 | |
| | 347.70 | 9.85 | | | |
| | | | A 6 EL=10 | 30 | |
| | 428.78 | 9.50 | | | |
| | | | A 6 EL= 9 | 30 | |
| | 527.00 | 9.08 | | | A4 EL= 9 |
| | | | A 6 EL= 9 | 30 | |
| | 550.44 | 8.50 | | | |
| NC 210 → | | | A 6 EL= 8 | 30 | |
| | 581.00 | 7.75 | | | A4 EL=8 |
| | | | A 6 EL= 8 | 30 | |
| | 619.65 | 7.50 | | | |
| | | | A 6 EL= 7 | 30 | MATCH ZONE B |
| | 674.00 | 7.33 | | | |

A4 EL=11

A4 EL=10

A4 EL=9

A4 EL=8

ZONE TERMINATED AT END OF TRANSECT

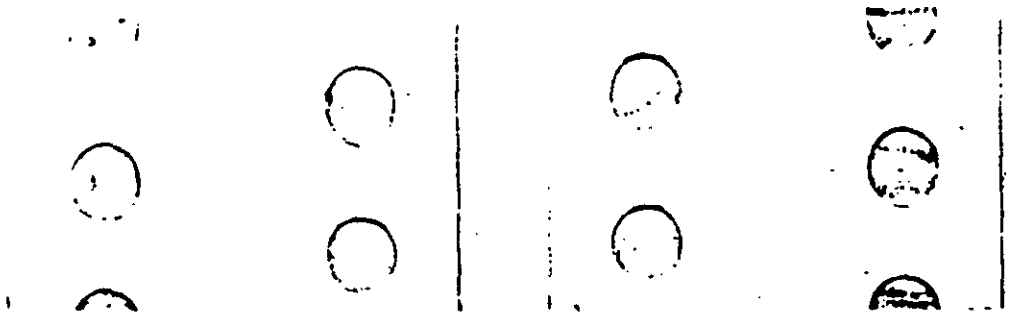
WAVE HEIGHT COMPUTATIONS FOR FLOOD INSURANCE STUDIES (VERSION 2.1)
TRANSECT NO. 13.000

PART1 INPUT

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | .000 | -.800 | 24.000 | 6.300 | 10.300 | .000 | .000 | .000 | .000 | .000 |
| OF | 11.000 | -.600 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| OF | 30.400 | .000 | .000 | .000 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| IF | 121.000 | 2.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 140.000 | 3.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 171.000 | 5.600 | .000 | 10.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 195.000 | 4.100 | .000 | 10.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 227.000 | 3.000 | .000 | 9.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 270.000 | 2.600 | .000 | 9.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 288.300 | 3.000 | .000 | 9.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 320.000 | 2.500 | .000 | 9.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 360.000 | 2.400 | .000 | 8.800 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 394.900 | 2.400 | .000 | 8.500 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 398.200 | 4.400 | .000 | 8.400 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 401.500 | 6.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 405.000 | 6.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 411.900 | 6.700 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 418.700 | 6.600 | .000 | 8.300 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 425.500 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 432.300 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 439.100 | 6.600 | .000 | 8.200 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 445.500 | 6.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 452.600 | 6.500 | .000 | 8.100 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 459.300 | 6.500 | .000 | 8.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 466.000 | 6.500 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 472.800 | 6.600 | .000 | 7.900 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 509.000 | 6.900 | .000 | 7.700 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 542.000 | 6.000 | .000 | 7.000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 570.000 | 4.900 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| IF | 574.000 | 4.600 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| EF | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

POINT CHANGE (LOW 6)

STATE 210



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IE | END STATION .000 | END ELEVATION -.800 | FETCH LENGTH 24.000 | SURGE ELEV 10-YEAR 6.300 | SURGE ELEV 100-YEAR 10.300 | INITIAL WAVE HEIGHT .000 | INITIAL W. PERIOD .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 11.000 | END ELEVATION -.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| OF | END STATION 30.400 | END ELEVATION .000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | 1.000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 121.000 | END ELEVATION 2.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 140.000 | END ELEVATION 3.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 171.000 | END ELEVATION 5.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 195.000 | END ELEVATION 4.100 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 10.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 227.000 | END ELEVATION 3.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 270.000 | END ELEVATION 2.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 288.000 | END ELEVATION 3.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.400 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 320.000 | END ELEVATION 2.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 9.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 360.000 | END ELEVATION 2.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.800 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 394.900 | END ELEVATION 2.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.500 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 398.200 | END ELEVATION 4.400 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.400 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 401.800 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 405.000 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 411.900 | END ELEVATION 6.700 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 418.700 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.300 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 425.500 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 432.300 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 439.100 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.200 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 445.800 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 452.600 | END ELEVATION 6.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.100 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 459.300 | END ELEVATION 6.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 8.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 466.000 | END ELEVATION 6.500 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| IF | END STATION 472.800 | END ELEVATION 6.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.900 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 509.000 | END ELEVATION 6.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.700 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 592.000 | END ELEVATION 6.000 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR 7.000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 670.000 | END ELEVATION 4.900 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |
| IF | END STATION 574.000 | END ELEVATION 4.600 | NEW SURGE 10-YEAR .000 | NEW SURGE 100-YEAR .000 | .000 | .000 | .000 | .000 | .000 | AVERAGE A-ZONES .000 |

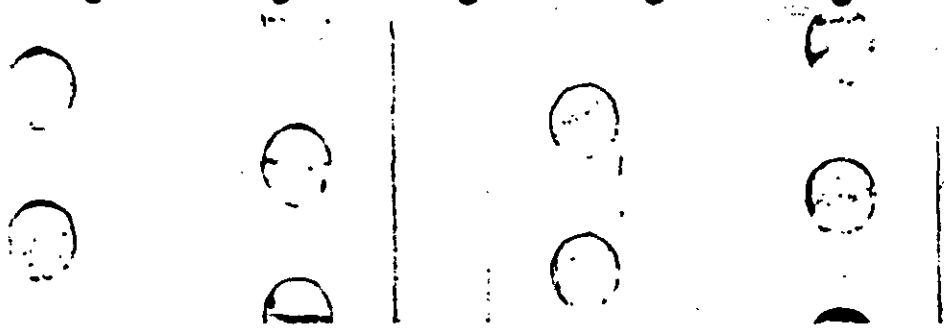
----------END OF TRANSECT----------

NOTE:

SURGE ELEVATION INCLUDES CONTRIBUTIONS FROM ASTRONOMICAL AND STORM TIDES.

PART2 WAVE HEIGHTS AND ELEVATIONS

| LOCATION | | WAVE HEIGHT | WAVE ELEVATION |
|---|---|---|---|
| IE | .00 | 8.03 | 15.92 |
| OF | 11.00 | 8.03 | 15.92 |
| OF | 30.40 | 8.03 | 15.92 |
| IF | 121.00 | 6.01 | 14.50 |
| IF | 140.00 | 4.99 | 13.79 |
| IF | 171.00 | 3.67 | 12.87 |
| IF | 195.00 | 3.67 | 12.77 |
| IF | 227.00 | 3.67 | 12.57 |
| IF | 270.00 | 3.67 | 12.27 |
| IF | 288.00 | 3.67 | 12.02 |
| IF | 320.00 | 3.67 | 11.82 |
| IF | 360.00 | 3.67 | 11.52 |
| IF | 394.90 | 3.67 | 11.22 |
| IF | 398.20 | 3.92 | 10.63 |
| IF | 401.80 | 1.33 | 9.33 |
| IF | 405.00 | 1.33 | 9.33 |
| IF | 411.90 | 1.33 | 9.33 |
| IF | 418.70 | 1.33 | 9.28 |
| IF | 425.50 | 1.33 | 9.23 |
| IF | 432.30 | 1.33 | 9.23 |
| IF | 439.10 | 1.25 | 9.12 |
| IF | 445.80 | 1.25 | 9.07 |
| IF | 452.60 | 1.25 | 9.02 |
| IF | 459.30 | 1.17 | 8.87 |
| IF | 466.00 | 1.17 | 8.82 |
| IF | 472.80 | 1.01 | 8.66 |
| IF | 509.00 | .62 | 8.24 |
| IF | 592.00 | .62 | 7.79 |



| | | | |
|---|---|---|---|
| IF | 670.00 | .63 | 7.44 |
| IF | 674.00 | .63 | 7.44 |

TRANSMITTED WAVE HEIGHT AT LAST FETCH OR OBSTRUCTION = .63 WHICH EXCEEDS 0.5.

PART3 LOCATION OF AREAS ABOVE 100-YEAR SURGE

NO AREAS ABOVE 100-YEAR SURGE IN THIS TRANSECT

PART4 LOCATION OF SURGE CHANGES

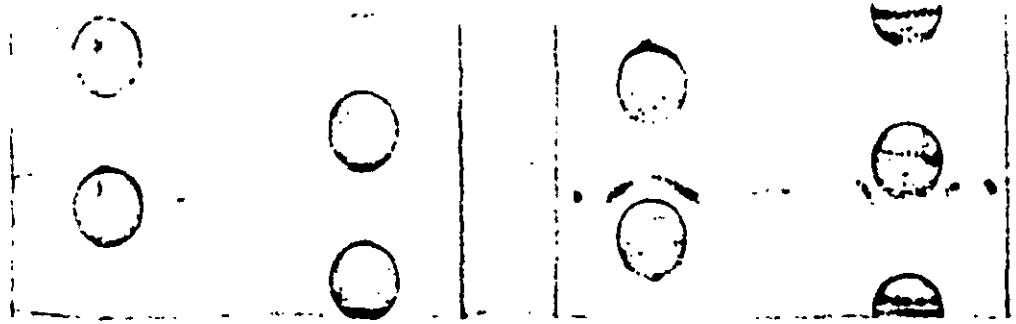
| STATION | 10-YEAR SURGE | 100-YEAR SURGE |
|---|---|---|
| 195.00 | 6.30 | 10.10 |
| 227.00 | 6.30 | 9.90 |
| 270.00 | 6.30 | 9.50 |
| 288.00 | 6.30 | 9.40 |
| 320.00 | 6.30 | 9.10 |
| 360.00 | 6.30 | 8.80 |
| 394.90 | 6.30 | 8.50 |
| 398.20 | 6.30 | 8.40 |
| 418.70 | 6.30 | 8.30 |
| 439.10 | 6.30 | 8.20 |
| 452.60 | 6.30 | 8.10 |
| 459.30 | 6.30 | 8.00 |
| 472.80 | 6.30 | 7.90 |
| 509.00 | 6.30 | 7.70 |
| 592.00 | 6.30 | 7.00 |

PART5 LOCATION OF V ZONES

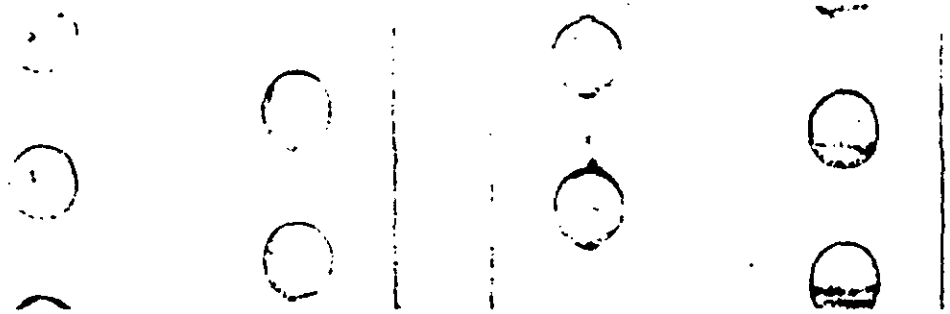
| STATION OF GUTTER | LOCATION OF ZONE |
|---|---|
| 398.44 | WINDWARD |

PART6 NUMBERED A ZONES AND V ZONES

| STATION OF GUTTER | ELEVATION | ZONE DESIGNATION | FHF |
|---|---|---|---|

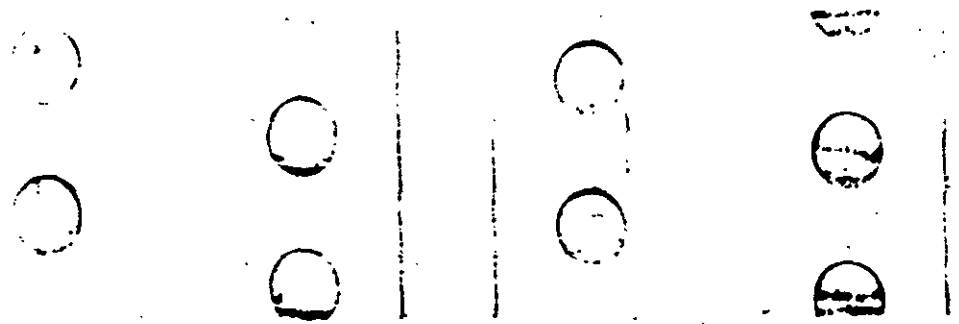


| | | | | | |
|---|---|---|---|---|---|
| .00 | 15.92 | | | | FINAL MAPPED ZONES |
| | | V12 EL=16 | 60 | V12 EL=16 | |
| 57.65 | 15.50 | | | | V12 EL=16 |
| | | V12 EL=15 | 60 | V12 EL=15 | |
| 121.11 | 14.50 | | | | |
| | | V12 EL=14 | 60 | V12 EL=14 | |
| 149.83 | 13.50 | | | | |
| | | V12 EL=13 | 60 | | |
| 171.00 | 12.87 | | | | |
| | | V12 EL=13 | 60 | | V12 EL=14 |
| 195.00 | 12.77 | | | V12 EL=13 | |
| | | V11 EL=13 | 55 | | |
| 227.00 | 12.57 | | | | |
| | | V11 EL=13 | 55 | | |
| 236.49 | 12.50 | | | | |
| | | V10 EL=12 | 50 | | |
| ROAD ON ROAD → 270.00 | 12.27 | | | | |
| | | V 9 EL=12 | 45 | | |
| 288.00 | 12.02 | | | | |
| | | V 9 EL=12 | 45 | V12 EL=12 | V12 EL=12 |
| 320.00 | 11.82 | | | | |
| | | V 8 EL=12 | 40 | | |
| 360.00 | 11.52 | | | | |
| | | V 7 EL=12 | 35 | | |
| 361.88 | 11.50 | | | | |
| | | V 7 EL=11 | 35 | | |
| 394.90 | 11.22 | | | | |
| | | V 7 EL=11 | 35 | V12 EL=11 | |
| 398.20 | 10.63 | | | | |
| | | V 7 EL=11 | 35 | | |
| 398.44 | 10.50 | | | | |
| | | A 4 EL=11 | 20 | | |



| | | | | |
|---|---|---|---|---|
| 398.57 | 10.50 | A 4 EL=10 | 20 | |
| 401.33 | 9.50 | A 4 EL= 9 | 20 | A9 EL=10 |
| 411.90 | 9.33 | A 4 EL= 9 | 20 | |
| 418.70 | 9.28 | A 4 EL= 9 | 20 | |
| 432.30 | 9.23 | A 4 EL= 9 | 20 | |
| 439.10 | 9.12 | A 4 EL= 9 | 20 | |
| 445.80 | 9.07 | A 4 EL= 9 | 20 | |
| 452.60 | 9.02 | A 4 EL= 9 | 20 | A4 EL= 9 |
| 459.30 | 8.87 | A 4 EL= 9 | 20 | |
| 466.00 | 8.82 | A 4 EL= 9 | 20 | |
| 472.80 | 8.66 | A 4 EL= 9 | 20 | |
| 486.48 | 8.50 | A 4 EL= 8 | 20 | |
| 509.00 | 8.24 | A 4 EL= 8 | 20 | A4 EL=8 |
| 592.00 | 7.79 | A 4 EL= 8 | 20 | |
| 656.14 | 7.50 | A 4 EL= 7 | 20 | MATCH A9 EL=7 |
| 674.00 | 7.44 | | | MATCH A9 FL=7 |

011



ZONE TERMINATED AT END OF TRANSECT

```
***** ENTER/EDIT X-SECTS ******
------------------------------
X-SECT FILE:D69F32
LENGTH= 2 SECTS 15 PTS/SECT
COE DACW54-86-F-0268 SECT 1
------------------------------
COORDINATE FILE D69F5
     LENGTH =   16 POINTS
COE DACW54-86-F-0268 SECT 1
***** JOB #86186

SECTION (   1) =     0+00.00
REF PT:                              2     4,695.375     5,304.625
BEG OF REF LINE:NE  45 00 00
SECTION (   1) =     0+00.00
    1    1  -430.81     92.93
    2    2     0.00    100.00
    3    3  -310.07     93.48
    4    4  -239.30     94.85
    5    5  -150.01     94.96
    6    6   -76.13     94.15
    7    7   -31.43     94.22
    8    8    16.08     97.01
    9    9    39.59     95.73
   10   10    47.47     92.96
   11   11    91.23     92.02
   12   12   128.25     89.27


SECTION (   2) =     1+00.00
***** ENTER/EDIT X-SECTS ******
------------------------------
X-SECT FILE:D69F33
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 2
------------------------------
SECTION (   1) =     0+00.00
***** ENTER/EDIT X-SECTS ******
------------------------------
X-SECT FILE:D69F33
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 2
------------------------------
COORDINATE FILE D69F7
     LENGTH =   16 POINTS
COE DACW54-86-F-0268 SECT 2
***** JOB #86186

SECTION (   1) =     0+00.00
REF PT:                              2     4,811.669     5,188.331
BRG OF REF LINE:NE  45 00 00
SECTION (   1) =     0+00.00
    1    1  -266.34      8.03
    2    2     0.00     16.94
    3    3  -365.63     -7.03
    4    4  -321.01      7.08
    5    5  -193.51      8.93
    6    6  -157.13      9.31
    7    7  -114.26      9.99 *
    8    8   -51.13      9.85 *
```

| | | | |
|---|---|---|---|
| 9 | 9 | 21.53 | 13.03 * |
| 10 | 10 | 20.25 | 10.24 * |
| 11 | 11 | 97.34 | 9.23 * |
| 12 | 12 | 97.42 | 9.17 * |
| 13 | 13 | 118.64 | 6.75 * |
| 14 | 14 | 158.66 | 4.40 * |
| 15 | 15 | 225.70 | 0.01 * |
| 16 | 16 | 225.75 | -0.07 * |

SECTION (2) = 1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F34
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-E-0268 SECT 3

COORDINATE FILE D69F9
LENGTH = 16 POINTS
COE DACW54-86-E-0268 SECT 3
***** JOB #86186

SECTION (1) = 0+00.00
REF PT: 2 4,713.929 5,2[illegible]
BPG OF REF LINE:NE 45 00 00
SECTION (1) = 0+00.00

| | | | |
|---|---|---|---|
| 1 | 1 | -404.56 | 10.00 |
| 2 | 2 | 0.00 | 16.73 |
| 3 | 3 | -525.33 | 9.46 |
| 4 | 4 | -461.55 | 9.49 |
| 5 | 5 | -293.35 | 10.44 |
| 6 | 6 | -179.07 | 10.47 |
| 7 | 7 | -121.33 | 11.78 |
| 8 | 8 | -61.13 | 13.21 |
| 9 | 9 | -30.03 | 12.07 |
| 10 | 10 | -15.00 | 15.98 |
| 11 | 11 | 66.64 | 14.53 * |
| 12 | 12 | 83.39 | 13.21 * |
| 13 | 13 | 124.66 | 10.70 * |
| 14 | 14 | 132.88 | 9.10 * |
| 15 | 15 | 268.49 | 1.40 * |

SECTION ( 2) = 1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F35
LENGTH= 2 SECTS 10 PTS/SECT
COE DACW54-86-E-0268 SECT 4

COORDINATE FILE D69F11
LENGTH = 8 POINTS
COE DACW54-86-E-0268 SECT 4
***** JOB #86186

SECTION ( 1) = 0+00.00
REF PT: 2 4,628.829 5,371,[illegible]
REF OF REF LINE:NE 45 00 00

```
BRG OF REF LINE:NE   45 00 00
SECTION (    1) =      0+00.00
   1    1  -524.92      4.50
   2    2     0.00      7.99
   3    3  -208.61      5.27
   4    4   -35.47      6.08
   5    5   -15.77      5.92
   6    6    19.14      4.00
   7    7    86.75     -0.31

SECTION (    2) =      1+00.00


***** ENTER/EDIT X-SECTS ******
--------------------------------
X-SECT FILE:D69F36
LENGTH= 2 SECTS 15 PTS/SECT
COE DACW54-86-F-0268 SECT 5
--------------------------------
COORDINATE FILE D69F13
     LENGTH =   16 POINTS
COE DACW54-86-F-0268 SECT 5
***** JOB #86186

SECTION (    1) =      0+00.00
REF PT:                          2     4,977.581     5,022.419
BRG OF REF LINE:NE   45 00 00
SECTION (    1) =      0+00.00
   1    1   -31.71      8.00
   2    2     0.00     13.86
   3    3   -53.65      7.80
   4    4   -73.15     11.48
   5    5   -91.58      7.40
   6    6  -138.97      6.12
   7    7   -19.54      7.88
   8    8    10.49      8.97
   9    9    19.05      5.03 *
  10   10    63.64      0.13 *

SECTION (    2) =      1+00.00


***** ENTER/EDIT X-SECTS ******
--------------------------------
X-SECT FILE:D69F37
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 6
--------------------------------
COORDINATE FILE D69F15
     LENGTH =   16 POINTS
COE DACW54-86-F-0268 SECT 6
***** JOB #86186

SECTION (    1) =      0+00.00
REF PT:                          2     4,950.174     5,. 9.826
BRG OF REF LINE:NE   45 00 00
SECTION (    1) =      0+00.00
   1    1   -70.47      8.00
   2    2     0.00     13.47
```

| | | | |
|---|---|---|---|
| 3 | 3 | -98.57 | 7.45 |
| 4 | 4 | -121.62 | 10.49 |
| 5 | 5 | -147.59 | 7.81 |
| 6 | 6 | -175.09 | 6.99 |
| 7 | 7 | -54.18 | 7.63 |
| 8 | 8 | -45.47 | 11.05 |
| 9 | 9 | -31.06 | 8.49 |
| 10 | 10 | -15.00 | 11.87 * |
| 11 | 11 | 14.43 | 11.71 |
| 12 | 12 | 23.66 | 7.10 |
| 13 | 13 | 39.64 | 4.17 |
| 14 | 14 | 87.67 | 0.45 |

SECTION ( 2) = 1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F38
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 7

COORDINATE FILE D69F17
LENGTH = 16 POINTS
COE DACW54-86-F-0268 SECT 7
***** JOB #86186

SECTION ( 1) = 0+00.00
REF PT: 2 4,775.670 5,234.380
BRG OF REF LINE:NE 45 00 00

SECTION ( 1) = 0+00.00

| | | | |
|---|---|---|---|
| 1 | 1 | -317.25 | 8.00 |
| 2 | 2 | 0.00 | 15.62 |
| 3 | 3 | -257.16 | 6.00 |
| 4 | 4 | -155.77 | 10.39 |
| 5 | 5 | -97.41 | 10.03 |
| 6 | 6 | -78.81 | 6.50 * |
| 7 | 7 | -54.60 | 7.72 |
| 8 | 8 | -27.98 | 9.99 * |
| 9 | 9 | 11.98 | 11.91 * |
| 10 | 10 | 45.83 | 11.06 |
| 11 | 11 | 50.63 | 12.49 |
| 12 | 12 | 55.77 | 10.15 |
| 13 | 13 | 77.09 | 5.30 |
| 14 | 14 | 141.85 | 0.43 |

SECTION ( 2) = 1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F39
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 8

COORDINATE FILE D69F19
LENGTH = 24 POINTS
COE DACW54-86-F-0268 SECT 8
***** JOB #86186

SECTION (  1) =  0+00.00
REF PT:  2  4,959.847  5,040.153
BEG OF REF LINE:NE  45 00 00
SECTION (  1) =  0+00.00

| | | | | |
|---|---|---|---|---|
| 1 | 1 | -56.79 | 7.00 | |
| 2 | 2 | 0.00 | 20.77 | |
| 3 | 3 | -155.63 | 6.74 | |
| 4 | 4 | -175.71 | 5.74 | * |
| 5 | 5 | -186.63 | 4.31 | * |
| 6 | 6 | -200.44 | 6.45 | * |
| 7 | 7 | -222.20 | 6.90 | * |
| 8 | 8 | -53.06 | 7.12 | |
| 9 | 9 | -26.50 | 13.50 | * |
| 10 | 10 | -16.25 | 19.68 | * |
| 11 | 11 | 12.42 | 11.49 | * |
| 12 | 12 | 25.83 | 10.48 | * |
| 13 | 13 | 41.49 | 14.81 | * |
| 14 | 14 | 56.23 | 12.41 | * |
| 15 | 15 | 64.73 | 9.81 | * |
| 16 | 16 | 90.73 | 6.26 | * |
| 17 | 17 | 140.65 | 1.08 | * |
| 18 | 18 | 140.52 | 1.04 | * |

SECTION (  2) =  1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F40
LENGTH= 2 SECTS 15 PTS/SECT
COE-DACW54-86-F-0268-SECT-9

COORDINATE FILE D69F21
LENGTH =  16 POINTS
COE DACW54-86-F-0268 SECT 9
***** JOB #86186

SECTION (  1) =  0+00.00
REF PT:  2  4,979.278  5,020.722
BRG OF REF LINE:NE  45 00 00
SECTION (  1) =  0+00.00

| | | | | |
|---|---|---|---|---|
| 1 | 1 | -29.30 | 9.00 | |
| 2 | 2 | 0.00 | 18.83 | |
| 3 | 3 | -327.13 | 4.70 | |
| 4 | 4 | -268.65 | 4.75 | |
| 5 | 5 | -97.48 | 7.09 | |
| 6 | 6 | -21.47 | 8.87 | |
| 7 | 7 | -9.86 | 12.39 | |
| 8 | 8 | -9.82 | 12.35 | |
| 9 | 9 | 17.90 | 13.41 | * |
| 10 | 10 | 21.59 | 9.51 | * |
| 11 | 11 | 45.53 | 5.27 | |
| 12 | 12 | 125.38 | -0.93 | * |

SECTION (  2) =  1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F41
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 10

COORDINATE FILE D69F23
LENGTH = 24 POINTS
COE DACW54-86-F-0268 SECT 10
***** JCB #86186

SECTION ( 1) = 0+00.00
REF PT: 2 4,933.652 5,066.348
BRG OF REF LINE:NE 45 00 00
SECTION ( 1) = 0+00.00

| | | | | |
|---|---|---|---|---|
| 1 | 1 | -93.83 | 10.00 | |
| 2 | 2 | 0.00 | 25.76 | |
| 3 | 3 | -381.66 | 6.96 | |
| 4 | 4 | -329.57 | 6.38 | |
| 5 | 5 | -141.29 | 8.79 | |
| 6 | 6 | -77.49 | 10.28 | |
| 7 | 7 | -56.63 | 12.85 | |
| 8 | 8 | -56.34 | 12.85 | |
| 9 | 9 | -32.20 | 18.98 | * |
| 10 | 10 | -31.91 | 18.94 | * |
| 11 | 11 | -18.94 | 23.92 | * |
| 12 | 12 | 6.71 | 22.92 | * |
| 13 | 13 | 20.08 | 16.69 | * |
| 14 | 14 | 29.66 | 12.31 | * |
| 15 | 15 | 49.17 | 7.30 | * |
| 16 | 16 | 113.28 | 1.61 | |
| 17 | 17 | 121.89 | 1.36 | |

SECTION ( 2) = 1+00.00

***** ENTER/EDIT X-SECTS ******

X-SECT FILE:D69F42
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 11

COORDINATE FILE D69F25
LENGTH = 16 POINTS
COE DACW54-86-F-0268 SECT 11
***** JCB #86186

SECTION ( 1) = 0+00.00
REF PT: 2 4,792.655 5,207.345
BRG OF REF LINE:NE 45 00 00
SECTION ( 1) = 0+00.00

| | | | | |
|---|---|---|---|---|
| 1 | 1 | -293.23 | 7.71 | |
| 2 | 2 | 0.00 | 15.52 | |
| 3 | 3 | -406.45 | 7.21 | |
| 4 | 4 | -293.21 | 7.71 | |
| 5 | 5 | -218.34 | 8.53 | |
| 6 | 6 | -185.75 | 8.77 | |
| 7 | 7 | -141.37 | 8.86 | |
| 8 | 8 | -98.77 | 8.78 | |
| 9 | 9 | -46.88 | 8.47 | |

```
   10   10    -29.83      8.93
   11   11    -12.41     14.50
   12   12     18.33     12.02
   13   13     24.08     11.26
   14   14     52.82      6.82
   15   15    153.05      0.20

SECTION (   2) =      1+00.00




***** ENTER/EDIT X-SECTS ******
--------------------------------
X-SECT FILE:D69F43
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 12
--------------------------------
COORDINATE FILE D69F27
      LENGTH =   16 POINTS
COE DACW54-86-F-0268 SECT 12
***** JOB #86186

SECTION (   1) =      0+00.00
REF PT:                              2     4,639.828     5,360.172
BRG OF REF LINE:NE  45 00 00
SECTION (   1) =      0+00.00
   1    1  -509.36      6.36
   2    2     0.00     20.08
   3    3  -456.29      6.05
   4    4  -416.03      5.99
   5    5  -362.31      5.70
   6    6  -175.88      6.54
   7    7  -146.05      6.41
   8    8  -116.00      6.98 *
   9    9   -77.65      9.60 *
  10   10   -49.11     10.66 *
  11   11   -26.16     13.85 *
  12   12     8.63     13.62 *
  13   13    16.53     10.90 *
  14   14    48.45      7.26 *
  16   15   160.68      0.06 *

SECTION (   2) =      1+00.00




***** ENTER/EDIT X-SECTS ******
--------------------------------
X-SECT FILE:D69F44
LENGTH= 2 SECTS 20 PTS/SECT
COE DACW54-86-F-0268 SECT 13
--------------------------------
COORDINATE FILE D69F29
      LENGTH =   16 POINTS
COE DACW54-86-F-0268 SECT 13
***** JOB #86186

SECTION (   1) =      0+00.00
REF PT:                              2     4,594.577     5,405.423
BRG OF REF LINE:NE  45 00 00
SECTION (   1) =      0+00.00
   1    1  -573.36      4.64
```

```
     2    2      0.00      9.77
     3    3   -530.14      4.87
     4    4   -451.92      5.98
     5    5   -369.34      6.91
     6    6   -325.52      6.52
     7    7   -220.35      6.77
     8    8   -180.00      6.85
     9    9   -148.04      7.67
    10   10   -130.44      7.14 *
    11   11    -87.24      8.01
    12   12    -55.27     10.43
    13   13    -31.44     13.54
    14   14     19.18      7.11
    15   15    129.41      0.52

SECTION (    2) =      1+00.00



***** ENTER/EDIT X-SECTS *****
--------------------------------
X-SECT FILE:D69P45
LENGTH= 2 SECTS 15 PTS/SECT
COE DACW54-86-R-0268 SECT 14
--------------------------------
COORDINATE FILE D69P31
     LENGTH =   16 POINTS
COE DACW54-86-R-0268 SECT 14
***** JOB #86186

SECTION (    1) =      0+00.00
PRF PT:                          2     4,574.979     5,425.021
BEG OF PRF LINE:NE  45 00 00
SECTION (    1) =      0+00.00
     1    1   -601.07      5.36
     2    2      0.00     14.76
     3    3   -477.61      5.43
     4    4   -399.48      6.32
     5    5   -340.48      6.64
     6    6   -247.12      7.33
     7    7   -190.00      7.55
     8    8   -128.17      7.79
     9    9    -57.25      8.90
    10   10    -23.22      8.62 *
    11   11     23.25     11.84 *
    12   12     36.73      6.84
    13   13    135.07      0.43

SECTION (    2) =      1+00.00
```

TOPCON FC-1 TO COMPUTER DATA TRANSFER

COORDINATE FILE:D69F5 LENGTH = 16 POINTS; TIME ON FILE: 00:05:45 

PROJ. DESC: COE DACW54-86-F-0268 SECT 1 JOB # 86186 RAW DATA FILE: D69F4

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | S 45-00-00 W | 430.805 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 45-00-00 W | 310.065 | 4,914.62393 | 5,085.37607 | 93.478 | CL |
| 1 | 2 | 4 | N 45-21-41 W | 239.300 | 4,863.51487 | 5,134.35057 | 94.852 | HSE |
| 1 | 2 | 5 | N 44-34-37 W | 150.010 | 4,802.22827 | 5,199.33815 | 94.955 | HSE |
| 1 | 2 | 6 | N 47-32-25 W | 76.200 | 4,746.81533 | 5,248.40843 | 94.152 | HSE |
| 1 | 2 | 7 | N 44-41-56 W | 31.430 | 4,717.71572 | 5,282.51787 | 94.218 | GRD |
| 1 | 2 | 8 | S 45-37-42 E | 16.085 | 4,684.12646 | 5,316.12299 | 97.014 | GRD |
| 1 | 2 | 9 | S 46-23-45 E | 39.605 | 4,668.06040 | 5,333.30398 | 95.730 | GRD |
| 1 | 2 | 10 | S 45-48-29 E | 47.470 | 4,662.28522 | 5,338.66154 | 92.960 | GRD |
| 1 | 2 | 11 | S 42-56-03 E | 91.285 | 4,628.54175 | 5,366.80461 | 92.024 | GRD |
| 1 | 2 | 12 | S 44-20-18 E | 128.260 | 4,603.64007 | 5,394.26528 | 89.266 | GRD |

TIME FOR THIS RUN WAS 00:01:27

TOTAL TIME THIS JOB = 00:07:10

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F7 LENGTH = 16 POINTS; TIME ON FILE: 00:04:13 
PROJ. DESC: COE DACW54-86-F-0268 SECT 2 JOB # 86186 RAW DATA FILE: D69F28

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 288.340 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 45-51-09 W | 365.875 | 5,066.50401 | 4,925.79754 | 7.030 | CLHSE |
| 1 | 2 | 4 | N 45-27-07 W | 321.015 | 5,036.86353 | 4,959.55552 | 7.076 | CLHSE |
| 1 | 2 | 5 | N 45-22-43 W | 193.515 | 4,947.59776 | 5,050.59383 | 8.927 | CLHSE |
| 1 | 2 | 6 | N 46-13-05 W | 157.170 | 4,920.41757 | 5,074.85749 | 9.305 | CLHSE |
| 1 | 2 | 7 | N 48-55-24 W | 114.530 | 4,886.92321 | 5,101.99455 | 9.988 | CLHSE |
| 1 | 2 | 8 | N 51-33-32 W | 51.470 | 4,843.66859 | 5,146.01707 | 9.851 | CLHSE |
| 1 | 2 | 9 | N 52-24-40 W | 21.730 | 4,824.92430 | 5,171.11180 | 13.027 | GRD |
| 1 | 2 | 10 | S 56-03-48 E | 20.635 | 4,800.14915 | 5,205.45075 | 10.243 | GRD |
| 1 | 2 | 11 | S 49-08-24 E | 97.590 | 4,747.82454 | 5,262.13915 | 9.226 | GRD |
| 1 | 2 | 12 | S 49-08-24 E | 97.670 | 4,747.77220 | 5,262.19965 | 9.172 | VEG |
| 1 | 2 | 13 | S 47-58-35 E | 118.805 | 4,732.13674 | 5,276.58737 | 6.751 | GRD |
| 1 | 2 | 14 | S 48-03-16 E | 158.900 | 4,705.62659 | 5,306.67187 | 4.402 | GRD |
| 1 | 2 | 15 | S 48-42-19 E | 226.170 | 4,662.41225 | 5,358.25798 | .006 | GRD |
| 1 | 2 | 16 | S 48-41-17 E | 226.215 | 4,662.33148 | 5,358.24691 | | GRD |

TIME FOR THIS RUN WAS 00:01:35
TOTAL TIME THIS JOB = 00:05:46

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F9 LENGTH = 16 POINTS; TIME ON FILE: 00:05:28 PAGE 1
PROJ. DESC: COE DACW54-86-F-0268 SECT 3 JOB # 86186 RAW DATA FILE: D69J0

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESCR. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 404.565 | 5,0[illegible].70000 | 5,100.10000 | | |
| 1 | 2 | 3 | N 42-41-51 W | 525.750 | 5,100.[illegible] | [illegible] | [illegible] | SBL |
| 1 | 2 | 4 | N 42-54-28 W | 461.860 | [illegible] | [illegible] | [illegible] | BEC |
| 1 | 2 | 5 | N 42-58-41 W | 293.535 | 4,826.[illegible] | 5,[illegible] | [illegible] | [illegible] |
| 1 | 2 | 6 | N 42-24-27 W | 179.250 | 4,846.[illegible] | 5,[illegible] | [illegible] | CCBD |
| 1 | 2 | 7 | N 41-45-42 W | 121.520 | 4,[illegible] | 5,[illegible] | [illegible] | CCBB |
| 1 | 2 | 8 | N 43-18-42 W | 61.155 | 4,[illegible] | 5,[illegible] | [illegible] | [illegible] |
| 1 | 2 | 9 | N 43-45-52 W | 30.035 | 4,[illegible] | 5,[illegible] | [illegible] | [illegible] |
| 1 | 2 | 10 | N 46-00-16 W | 15.005 | 4,[illegible] | 5,[illegible] | [illegible] | [illegible] |
| 1 | 2 | 11 | S 38-44-11 E | 67.040 | 4,[illegible] | 5,[illegible] | [illegible] | CCBD |
| 1 | 2 | 12 | S 36-49-37 E | 84.250 | 4,[illegible] | 5,[illegible] | [illegible] | CCBC |
| 1 | 2 | 13 | S 35-37-03 E | 126.350 | 4,[illegible] | 5,[illegible] | [illegible] | CCBB |
| 1 | 2 | 14 | S 35-11-15 E | 134.855 | 4,[illegible] | 5,[illegible] | [illegible] | [illegible] |
| 1 | 2 | 15 | S 34-07-09 E | 273.405 | 4,[illegible] | 5,[illegible] | [illegible] | [illegible] |

TIME FOR THIS RUN WAS 00:01:19
TOTAL TIME THIS JOB = 00:06:40

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F11 LENGTH = 8 POINTS; TIME ON FILE: 00:01:44 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 4 JOB # 86186 RAW DATA FILE: D69F26

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 524.915 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 45-11-55 W | 208.615 | 4,775.82990 | 5,223.14742 | 5.272 | CL- |
| 1 | 2 | 4 | N 45-53-37 W | 35.470 | 4,653.51591 | 5,345.70177 | 6.078 | CLTBM |
| 1 | 2 | 5 | N 46-04-21 W | 15.770 | 4,639.76944 | 5,359.81311 | 5.923 | GRD |
| 1 | 2 | 6 | S 45-32-12 E | 19.140 | 4,615.42238 | 5,384.83115 | 3.995 | GRD |
| 1 | 2 | 7 | S 45-45-30 E | 86.760 | 4,568.29778 | 5,433.32612 | | GRD |

TIME FOR THIS RUN WAS 00:00:00
TOTAL TIME THIS JOB = 00:02:43

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F13 LENGTH = 16 POINTS; TIME ON FILE: 00:02:14 

PROJ. DESC: COE DACW54-86-F-0268 SECT 5 JOB # 86186 RAW DATA FILE: D69F24

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 31.705 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 44-25-16 W | 53.655 | 5,015.90238 | 4,984.86426 | 7.804 | GRD |
| 1 | 2 | 4 | N 45-08-09 W | 73.155 | 5,029.18660 | 4,970.56793 | 11.484 | GRD |
| 1 | 2 | 5 | N 45-54-19 W | 91.590 | 5,041.31377 | 4,956.63976 | 7.399 | GRD |
| 1 | 2 | 6 | N 48-12-24 W | 139.185 | 5,070.34043 | 4,918.64895 | 6.115 | GRD |
| 1 | 2 | 7 | N 46-02-21 W | 19.545 | 4,991.14866 | 5,008.35005 | 7.875 | GRD |
| 1 | 2 | 8 | S 49-38-14 E | 10.525 | 4,970.76493 | 5,030.43844 | 8.973 | VEG |
| 1 | 2 | 9 | S 53-06-31 E | 19.245 | 4,966.02841 | 5,037.81049 | 5.034 | GRD |
| 1 | 2 | 10 | S 50-46-55 E | 63.965 | 4,937.13781 | 5,071.97540 | .131 | GRD |

TIME FOR THIS RUN WAS 00:01:48
TOTAL TIME THIS JOB = 00:04:00

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F15 LENGTH = 16 POINTS; TIME ON FILE: 00:01:45 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 6 JOB # 86186 RAW DATA FILE: D69F22

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 70.465 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 45-19-12 W | 98.575 | 5,019.46639 | 4,979.73502 | 7.448 | GRD |
| 1 | 2 | 4 | N 45-16-07 W | 121.620 | 5,035.76793 | 4,963.42573 | 10.486 | GRD |
| 1 | 2 | 5 | N 45-00-45 W | 147.590 | 5,054.51284 | 4,945.44162 | 7.806 | GRD |
| 1 | 2 | 6 | N 44-30-46 W | 175.100 | 5,075.03650 | 4,927.06922 | 6.990 | GRD |
| 1 | 2 | 7 | N 45-08-11 W | 54.185 | 4,988.39699 | 5,011.42060 | 7.634 | GRD |
| 1 | 2 | 8 | N 45-50-59 W | 45.480 | 4,981.85248 | 5,017.19368 | 11.050 | GRD |
| 1 | 2 | 9 | N 48-44-21 W | 31.125 | 4,970.70028 | 5,026.42915 | 8.494 | GRD |
| 1 | 2 | 10 | N 54-39-57 W | 15.220 | 4,958.97612 | 5,037.40991 | 11.872 | GRD |
| 1 | 2 | 11 | S 45-41-07 E | 14.435 | 4,940.08944 | 5,060.15471 | 11.706 | GRD |
| 1 | 2 | 12 | S 47-53-45 E | 23.690 | 4,934.29004 | 5,067.40253 | 7.097 | VEG |
| 1 | 2 | 13 | S 47-12-35 E | 39.665 | 4,923.22862 | 5,073.93425 | 4.173 | GRD |
| 1 | 2 | 14 | S 46-03-15 E | 87.690 | 4,889.41068 | 5,113.05119 | .450 | GRD |

TIME FOR THIS RUN WAS 00:01:11
TOTAL TIME THIS JOB = 00:02:55

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F17 LENGTH = 16 POINTS; TIME ON FILE: 00:03:57 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 7 JOB # 86186 RAW DATA FILE: D69F20

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 317.250 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 44-37-33 W | 257.170 | 4,958.70068 | 5,043.67438 | 6.001 | GRD |
| 1 | 2 | 4 | N 46-36-13 W | 155.835 | 4,882.73552 | 5,111.09711 | 10.394 | GRD |
| 1 | 2 | 5 | N 50-06-29 W | 97.800 | 4,838.39360 | 5,149.29206 | 10.032 | GRD |
| 1 | 2 | 6 | N 52-01-18 W | 79.410 | 4,824.53638 | 5,161.73521 | 6.496 | GRD |
| 1 | 2 | 7 | N 49-08-38 W | 54.740 | 4,811.47918 | 5,182.92677 | 7.720 | GRD |
| 1 | 2 | 8 | N 54-27-35 W | 28.365 | 4,792.15824 | 5,201.24682 | 9.988 | GRD |
| 1 | 2 | 9 | S 27-22-06 E | 12.570 | 4,764.50734 | 5,230.10817 | 11.905 | GRD |
| 1 | 2 | 10 | S 40-14-19 E | 45.985 | 4,740.56722 | 5,254.03466 | 11.063 | GRD |
| 1 | 2 | 11 | S 41-19-07 E | 50.735 | 4,737.56587 | 5,257.82719 | 12.490 | GRD |
| 1 | 2 | 12 | S 42-45-11 E | 55.810 | 4,734.68985 | 5,262.21568 | 10.154 | VEG |
| 1 | 2 | 13 | S 44-59-43 E | 77.095 | 4,721.15143 | 5,278.83953 | 5.297 | GRD |
| 1 | 2 | 14 | S 46-01-19 E | 141.875 | 4,677.15461 | 5,326.42370 | .433 | GRD |

TIME FOR THIS RUN WAS 00:01:17
TOTAL TIME THIS JOB = 00:05:12

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F19 LENGTH = 24 POINTS; TIME ON FILE: 00:01:48 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 6 JOB # 86186 RAW DATA FILE: D69F14

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 56.785 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 39-47-52 W | 156.270 | 5,079.91049 | 4,940.12777 | 6.739 | GRD |
| 1 | 2 | 4 | N 36-44-17 W | 176.760 | 5,097.72238 | 4,929.54357 | 5.737 | GRD |
| 1 | 2 | 5 | N 38-22-36 W | 187.885 | 5,107.13870 | 4,923.50868 | 4.305 | GRD |
| 1 | 2 | 6 | N 38-05-21 W | 201.910 | 5,118.76055 | 4,915.59739 | 6.451 | GRD |
| 1 | 2 | 7 | N 36-55-11 W | 224.425 | 5,139.26978 | 4,905.34198 | 6.699 | CL |
| 1 | 2 | 8 | N 48-30-32 W | 53.160 | 4,995.06565 | 5,000.33311 | 7.123 | GRD |
| 1 | 2 | 9 | N 59-35-49 W | 27.365 | 4,973.70594 | 5,016.53366 | 13.504 | GRD |
| 1 | 2 | 10 | S 76-01-16 W | 29.815 | 4,953.65860 | 5,010.98731 | 19.684 | GRD |
| 1 | 2 | 11 | S 24-11-21 W | 34.970 | 4,927.94739 | 5,025.82408 | 11.491 | GRD |
| 1 | 2 | 12 | S 10-03-33 W | 45.105 | 4,915.43530 | 5,032.27479 | 10.481 | GRD |
| 1 | 2 | 13 | S 00-03-07 W | 58.725 | 4,901.12197 | 5,040.09982 | 14.809 | GRD |
| 1 | 2 | 14 | S 05-58-10 E | 72.390 | 4,887.84948 | 5,047.68148 | 12.414 | GRD |
| 1 | 2 | 15 | S 08-06-41 E | 80.930 | 4,879.72660 | 5,051.57212 | 9.805 | VEG |
| 1 | 2 | 16 | S 12-38-40 E | 107.410 | 4,855.04193 | 5,063.66513 | 6.257 | GRD |
| 1 | 2 | 17 | S 19-02-17 E | 156.440 | 4,811.96388 | 5,091.18318 | 1.075 | GRD |
| 1 | 2 | 18 | S 19-02-17 E | 156.295 | 4,812.10095 | 5,091.13568 | 1.038 | GRD |

TIME FOR THIS RUN WAS 00:01:31
TOTAL TIME THIS JOB = 00:03:16

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F21 LENGTH = 16 POINTS; TIME ON FILE: 00:06:40 

PROJ. DESC: COE DACW54-86-F-0268 SECT 9 JOB # 86186 RAW DATA FILE: D69F18

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 29.305 | 5,000.00000 | 5,000.00000 | | CLTBM |
| 1 | 2 | 3 | N 44-02-03 W | 327.180 | 5,214.49626 | 4,793.30313 | 4.702 | CL |
| 1 | 2 | 4 | N 44-16-29 W | 268.670 | 5,171.64617 | 4,833.16338 | 4.748 | HSE |
| 1 | 2 | 5 | N 42-57-22 W | 97.545 | 5,050.66907 | 4,954.25090 | 7.092 | HSE |
| 1 | 2 | 6 | N 41-14-23 W | 21.515 | 4,995.45661 | 5,006.53884 | 8.873 | GRD |
| 1 | 2 | 7 | N 46-38-36 W | 9.865 | 4,986.05093 | 5,013.54698 | 12.386 | GRD |
| 1 | 2 | 8 | N 46-36-35 W | 9.825 | 4,986.02350 | 5,013.57810 | 12.352 | HSE |
| 1 | 2 | 9 | S 56-30-03 E | 18.270 | 4,969.19457 | 5,035.95700 | 13.411 | HSEVFC |
| 1 | 2 | 10 | S 54-17-37 E | 21.875 | 4,966.51129 | 5,038.48467 | 9.508 | GRD |
| 1 | 2 | 11 | S 49-11-49 E | 45.650 | 4,949.44774 | 5,055.27700 | 5.271 | GRD |
| 1 | 2 | 12 | S 50-50-04 E | 126.035 | 4,899.67915 | 5,118.43976 | | GRD |

TIME FOR THIS RUN WAS 00:01:10
TOTAL TIME THIS JOB = 00:07:49

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F23 LENGTH = 24 POINTS; TIME ON FILE: 00:01:39 

PROJ. DESC: COE DACW54-86-F-0268 SECT 10 JOB # 66166 RAW DATA FILE: D69F16

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 93.830 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 48-34-34 W | 382.400 | 5,186.65740 | 4,779.61082 | 6.958 | CL |
| 1 | 2 | 4 | N 48-27-30 W | 330.175 | 5,152.61252 | 4,819.22054 | 6.381 | HSE |
| 1 | 2 | 5 | N 46-12-25 W | 141.325 | 5,031.45694 | 4,964.33321 | 8.793 | HSE |
| 1 | 2 | 6 | N 45-15-10 W | 77.490 | 4,988.20360 | 5,011.31292 | 10.284 | GRD |
| 1 | 2 | 7 | N 43-04-42 W | 56.665 | 4,975.04145 | 5,027.64577 | 12.653 | GRD |
| 1 | 2 | 8 | N 43-03-40 W | 56.370 | 4,974.83755 | 5,027.85963 | 12.845 | HSE |
| 1 | 2 | 9 | N 37-58-09 W | 32.440 | 4,959.22598 | 5,046.38553 | 18.980 | HSE |
| 1 | 2 | 10 | N 37-58-08 W | 32.155 | 4,959.00140 | 5,046.56500 | 18.943 | GRD |
| 1 | 2 | 11 | N 30-14-42 W | 19.585 | 4,950.57125 | 5,056.48289 | 23.920 | GRD |
| 1 | 2 | 12 | N 87-19-10 E | 9.960 | 4,934.11797 | 5,076.29693 | 22.919 | GRD |
| 1 | 2 | 13 | S 67-19-13 E | 21.705 | 4,925.26317 | 5,086.37448 | 16.691 | VEG |
| 1 | 2 | 14 | S 59-43-37 E | 30.665 | 4,916.19328 | 5,092.83113 | 12.308 | GRD |
| 1 | 2 | 15 | S 56-36-42 E | 50.195 | 4,906.02932 | 5,108.25864 | 7.300 | GRD |
| 1 | 2 | 16 | S 50-40-14 E | 113.835 | 4,861.50600 | 5,154.40087 | 1.612 | GRD |
| 1 | 2 | 17 | S 50-40-03 E | 122.490 | 4,856.01559 | 5,161.09149 | 1.363 | GRD |

TIME FOR THIS RUN WAS 00:01:22
TOTAL TIME THIS JOB = 00:02:59

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F25 LENGTH = 16 POINTS; TIME ON FILE: 00:03:35 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 11 JOB # 86186 RAW DATA FILE: D69F6

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 293.230 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 45-07-45 W | 406.455 | 5,079.41351 | 4,919.29064 | 7.209 | GRD |
| 1 | 2 | 4 | N 45-01-30 W | 293.210 | 4,999.89537 | 4,999.92370 | 7.713 | CL |
| 1 | 2 | 5 | N 44-52-50 W | 218.345 | 4,947.36984 | 5,053.27389 | 8.528 | HSE |
| 1 | 2 | 6 | N 45-01-05 W | 185.755 | 4,923.96230 | 5,075.95492 | 8.765 | HSE |
| 1 | 2 | 7 | N 45-55-07 W | 141.390 | 4,891.01720 | 5,105.77709 | 8.861 | HSE |
| 1 | 2 | 8 | N 45-52-52 W | 98.785 | 4,861.42421 | 5,136.42748 | 8.779 | HSE |
| 1 | 2 | 9 | N 44-31-00 W | 46.860 | 4,826.08270 | 5,174.47657 | 8.470 | CLSTREE |
| 1 | 2 | 10 | N 44-00-54 W | 29.830 | 4,814.10756 | 5,186.61765 | 8.933 | GRD |
| 1 | 2 | 11 | N 46-51-49 W | 12.420 | 4,801.14710 | 5,198.28170 | 14.503 | HSE |
| 1 | 2 | 12 | S 45-27-53 E | 18.330 | 4,779.79936 | 5,220.41089 | 12.019 | HSE |
| 1 | 2 | 13 | S 45-33-13 E | 24.080 | 4,775.79326 | 5,224.53578 | 11.262 | VEG |
| 1 | 2 | 14 | S 46-29-19 E | 52.840 | 4,756.27480 | 5,245.66647 | 6.823 | GRD |
| 1 | 2 | 15 | S 47-57-03 E | 153.250 | 4,690.01312 | 5,321.14383 | .195 | GRD |

TIME FOR THIS RUN WAS 00:01:11
TOTAL TIME THIS JOB = 00:04:44

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F27 LENGTH = 16 POINTS; TIME ON FILE: 00:01:36 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 12 JOB # 86186 RAW DATA FILE: D69F10

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 509.360 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 44-38-00 W | 456.300 | 4,964.53912 | 5,039.59051 | 6.047 | HSE |
| 1 | 2 | 4 | N 44-32-15 W | 416.045 | 4,936.38145 | 5,068.36756 | 5.994 | CL |
| 1 | 2 | 5 | N 44-06-45 W | 362.350 | 4,895.98613 | 5,107.95114 | 5.700 | HSE |
| 1 | 2 | 6 | N 41-44-03 W | 176.170 | 4,771.25343 | 5,242.89936 | 6.543 | HSE |
| 1 | 2 | 7 | N 40-44-50 W | 146.450 | 4,750.77812 | 5,264.58062 | 6.407 | CLDITT |
| 1 | 2 | 8 | N 39-16-49 W | 116.585 | 4,730.07166 | 5,286.36[illegible] | 6.577 | CRD |
| 1 | 2 | 9 | N 35-45-06 W | 78.670 | 4,703.67328 | 5,314.20713 | 9.597 | HSE |
| 1 | 2 | 10 | N 29-40-53 W | 50.915 | 4,684.06266 | 5,334.96000 | 10.659 | HSE |
| 1 | 2 | 11 | N 16-35-48 W | 29.740 | 4,668.32510 | 5,351.67720 | 13.848 | GRD |
| 1 | 2 | 12 | N 75-24-10 E | 17.055 | 4,644.12633 | 5,376.67640 | 13.618 | GRD |
| 1 | 2 | 13 | S 86-51-33 E | 22.195 | 4,638.61202 | 5,392.33387 | 10.896 | VEG |
| 1 | 2 | 14 | S 64-31-25 E | 51.410 | 4,617.71464 | 5,406.56284 | 7.264 | GRD |
| 1 | 2 | 16 | S 52-36-53 E | 162.105 | 4,541.40252 | 5,466.97375 | .061 | CTR |

TIME FOR THIS RUN WAS 00:01:18
TOTAL TIME THIS JOB = 00:02:53

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F29 LENGTH = 16 POINTS; TIME ON FILE: 00:01:45 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 13 JOB # 86186 RAW DATA FILE: D69F12

| BS | - STA. | - FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 573.355 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 45-09-00 W | 530.140 | 4,968.45970 | 5,029.57751 | 4.871 | HSE |
| 1 | 2 | 4 | N 45-26-10 W | 451.930 | 4,911.69795 | 5,083.43735 | 5.977 | CL |
| 1 | 2 | 5 | N 45-42-59 W | 369.370 | 4,852.47482 | 5,140.99400 | 6.914 | HSE |
| 1 | 2 | 6 | N 46-08-17 W | 325.585 | 4,820.18216 | 5,170.67268 | 6.524 | HSE |
| 1 | 2 | 7 | N 47-42-37 W | 220.595 | 4,743.01072 | 5,242.23766 | 6.768 | HSE |
| 1 | 2 | 8 | N 49-07-37 W | 180.465 | 4,712.67043 | 5,268.96256 | 6.854 | HSE |
| 1 | 2 | 9 | N 50-19-59 W | 148.680 | 4,689.48278 | 5,290.97411 | 7.871 | GRD |
| 1 | 2 | 10 | N 52-48-31 W | 131.665 | 4,674.16557 | 5,300.53613 | 7.140 | CL |
| 1 | 2 | 11 | N 47-18-50 W | 87.310 | 4,653.77136 | 5,341.24346 | 8.005 | GRD |
| 1 | 2 | 12 | N 48-54-24 W | 55.400 | 4,630.99052 | 5,363.67156 | 10.430 | HSE |
| 1 | 2 | 13 | N 43-22-47 W | 31.455 | 4,617.43885 | 5,383.81896 | 13.543 | GRD |
| 1 | 2 | 14 | S 47-10-51 E | 19.190 | 4,581.53360 | 5,419.49912 | 7.106 | GRD |
| 1 | 2 | 15 | S 46-50-13 E | 129.480 | 4,506.00251 | 5,495.86720 | .524 | GRD |

TIME FOR THIS RUN WAS 00:01:14
TOTAL TIME THIS JOB = 00:02:58

TOPCON FC-1 TO COMPUTER DATA TRANSFER
COORDINATE FILE:D69F31 LENGTH = 16 POINTS; TIME ON FILE: 00:01:25 PAGE 1

PROJ. DESC: COE DACW54-86-F-0268 SECT 14 JOB # 86186 RAW DATA FILE: D69F8

| BS | STA. | FS | BEARING | DISTANCE | NORTHING | EASTING | ELEVATION | PT. DESC. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | N 45-00-00 W | 601.070 | 5,000.00000 | 5,000.00000 | | |
| 1 | 2 | 3 | N 44-53-53 W | 477.610 | 4,913.30096 | 5,087.90083 | 5.430 | CL |
| 1 | 2 | 4 | N 44-54-52 W | 399.480 | 4,857.87583 | 5,142.96777 | 6.320 | HSE |
| 1 | 2 | 5 | N 44-59-27 W | 340.485 | 4,815.77710 | 5,184.29994 | 6.635 | HSE |
| 1 | 2 | 6 | N 45-02-51 W | 247.125 | 4,749.57816 | 5,250.13210 | 7.330 | HSE |
| 1 | 2 | 7 | N 45-07-36 W | 190.005 | 4,709.03580 | 5,290.37015 | 7.554 | HSE |
| 1 | 2 | 8 | N 45-24-09 W | 128.170 | 4,664.97030 | 5,333.75637 | 7.794 | CLDIFT |
| 1 | 2 | 9 | N 45-17-02 W | 57.250 | 4,615.26011 | 5,384.33873 | 8.500 | HSE |
| 1 | 2 | 10 | N 76-16-47 W | 27.170 | 4,581.42356 | 5,396.62596 | 8.616 | HSE |
| 1 | 2 | 11 | S 51-57-38 E | 23.425 | 4,560.54475 | 5,443.46989 | 11.841 | GRD |
| 1 | 2 | 12 | S 50-15-51 E | 36.885 | 4,551.40063 | 5,453.38523 | 6.841 | VEG |
| 1 | 2 | 13 | S 47-05-13 E | 135.155 | 4,482.95394 | 5,524.00654 | .427 | GPD |

TIME FOR THIS RUN WAS 00:01:05
TOTAL TIME THIS JOB = 00:02:28

DATCOM Work File: D69F4
JOB # S86-186
NAME SECT.1
DATE 04-21-86
INST.# ET-1

| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANG.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | [illegible] [illegible] | [illegible] [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-32-27 | 430.825 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 01 | PK | 0-00-00 | 430.805 | -4.067 | 8.00 | 30.00 | Feet | 25 | [illegible] | [illegible] |
| 01 02 | HUB | 90-39-03 | 310.090 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 03 | CL | 0-00-00 | 310.065 | -3.522 | 8.00 | 30.00 | Feet | 27 | [illegible] | [illegible] |
| 01 02 | HUB | 90-30-51 | 239.310 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 04 | HSE | 359-38-19 | 239.300 | -2.148 | 8.00 | 30.00 | Feet | 29 | [illegible] | [illegible] |
| 01 02 | HUB | 90-46-52 | 150.025 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 05 | HSE | 0-25-23 | 150.010 | -2.045 | 8.00 | 30.00 | Feet | 32 | [illegible] | [illegible] |
| 01 02 | HUB | 92-08-26 | 76.255 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 06 | HSE | 357-27-35 | 76.200 | -2.848 | 8.00 | 30.00 | Feet | 33 | [illegible] | [illegible] |
| 01 02 | HUB | 95-03-33 | 31.555 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 07 | GRD | 0-18-04 | 31.430 | -2.782 | 8.00 | 30.00 | Feet | 33 | [illegible] | [illegible] |
| 01 02 | HUB | 89-57-06 | 16.090 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 08 | GRD | 179-22-18 | 16.085 | .014 | 8.00 | 30.00 | Feet | 32 | [illegible] | [illegible] |
| 01 02 | HUB | 91-50-11 | 39.630 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 09 | GRD | 178-36-15 | 39.605 | -1.270 | 8.00 | 30.00 | Feet | 60 | [illegible] | [illegible] |
| 01 02 | HUB | 94-51-54 | 47.640 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 10 | GRD | 179-11-31 | 47.470 | -4.040 | 8.00 | 30.00 | Feet | 61 | [illegible] | [illegible] |
| 01 02 | HUB | 93-07-13 | 91.420 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 11 | GRD | 182-03-57 | 91.285 | -4.976 | 8.00 | 30.00 | Feet | 35 | [illegible] | [illegible] |
| 01 02 | HUB | 93-27-03 | 128.500 | 3 | 5.00 | 60. | Deg. | Yes | [illegible] | [illegible] |
| 12 | GRD | 180-39-42 | 128.260 | -7.734 | 8.00 | 30.00 | Feet | 33 | [illegible] | [illegible] |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 19

# 5

DATCOM Work File: D69F28
JOB # S86-186
NAME SECT.2
DATE 04-23-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | ATM.CORR. OFFSET VAL. | LEG NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 91-07-44 | 266.395 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 1 |
| 01 | CLTBM | 0-00-03 | 266.340 | -5.248 | 8.00 | 30.00 | Feet | 28 | -08 | 03 |
| 01 02 | HUB | 90-58-43 | 365.930 | 3 | 4.34 | 45 | Deg. | Yes | -02 | 2 |
| 03 | CLHSE | 359-08-51 | 365.875 | -6.250 | 8.00 | 30.00 | Feet | 25 | -08 | 03 |
| 01 02 | HUB | 91-06-26 | 321.075 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 3 |
| 04 | CLHSE | 359-32-53 | 321.015 | -6.204 | 8.00 | 30.00 | Feet | 26 | -08 | 03 |
| 01 02 | HUB | 91-17-19 | 193.565 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 4 |
| 05 | CLHSE | 359-37-17 | 193.515 | -4.353 | 8.00 | 30.00 | Feet | 29 | -08 | 03 |
| 01 02 | HUB | 91-26-56 | 157.225 | 3 | 4.34 | 45 | Deg. | Yes | -02 | 5 |
| 06 | CLHSE | 358-46-55 | 157.170 | -3.975 | 8.00 | 30.00 | Feet | 31 | -08 | 03 |
| 01 02 | HUB | 91-38-48 | 114.575 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 6 |
| 07 | CLHSE | 356-04-36 | 114.530 | -3.292 | 8.00 | 30.00 | Feet | 34 | -08 | 03 |
| 01 02 | HUB | 93-48-40 | 51.585 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 7 |
| 08 | CLHSE | 353-26-28 | 51.470 | -3.429 | 8.00 | 30.00 | Feet | 42 | -08 | 03 |
| 01 02 | HUB | 90-39-58 | 21.735 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 8 |
| 09 | GRD | 352-35-20 | 21.730 | -.253 | 8.00 | 30.00 | Feet | 43 | -08 | 03 |
| 01 02 | HUB | 98-22-18 | 20.855 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 168-56-12 | 20.635 | -3.037 | 8.00 | 30.00 | Feet | 42 | -08 | 03 |
| 01 02 | HUB | 92-22-43 | 97.675 | 3 | 4.34 | 45 | Deg. | Yes | -02 | 10 |
| 11 | GRD | 175-51-36 | 97.590 | -4.054 | 8.00 | 30.00 | Feet | 35 | -08 | 03 |
| 01 02 | HUB | 92-24-30 | 97.755 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 11 |
| 12 | VEG | 175-51-36 | 97.670 | -4.108 | 8.00 | 30.00 | Feet | 37 | -08 | 03 |
| 01 02 | HUB | 93-08-44 | 118.985 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 12 |
| 13 | GRD | 177-01-25 | 118.805 | -6.529 | 8.00 | 30.00 | Feet | 34 | -08 | 03 |
| 01 02 | HUB | 93-11-52 | 159.150 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 176-51-44 | 158.900 | -8.878 | 8.00 | 30.00 | Feet | 31 | -08 | 03 |
| 01 02 | HUB | 93-21-32 | 226.560 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 14 |
| 15 | GRD | 176-17-41 | 226.170 | -13.274 | 8.00 | 30.00 | Feet | 28 | -08 | 03 |
| 01 02 | HUB | 93-22-34 | 226.610 | 3 | 4.34 | 45 | Deg. | Yes | -04 | 15 |
| 16 | GRD | 176-18-43 | 226.215 | -13.345 | 8.00 | 30.00 | Feet | 28 | -08 | 03 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 43

DATCON Work File: D69F30
JOB # S86-186
NAME SECT.3
DATE 04-23-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. FOR S.LEVEL | ATM.CORR. CURVET VAL. | TRG HT. DAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-31-30 | 404.585 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 1 |
| 01 | CLTBM | 0-00-00 | 404.565 | -3.707 | 8.00 | 30.00 | Feet | 25 | -09 | 00 |
| 01 02 | HUB | 90-27-56 | 525.770 | 3 | 5.00 | 50 | Deg. | Yes | -08 | 2 |
| 03 | GRD | 2-18-09 | 525.750 | -4.272 | 8.00 | 30.00 | Feet | 24 | -08 | 00 |
| 01 02 | HUB | 90-31-32 | 461.880 | 3 | 5.00 | 50 | Deg. | Yes | -07 | 3 |
| 04 | HSE | 2-05-32 | 461.860 | -4.237 | 8.00 | 30.00 | Feet | 24 | -09 | 00 |
| 01 02 | HUB | 90-38-34 | 293.555 | 3 | 5.00 | 50 | Deg. | Yes | -08 | 4 |
| 05 | HSE | 2-01-19 | 293.535 | -3.293 | 8.00 | 30.00 | Feet | 27 | -08 | 00 |
| 01 02 | HUB | 91-02-37 | 179.285 | 3 | 5.00 | 50 | Deg. | Yes | -06 | 5 |
| 06 | GRD | 2-35-33 | 179.250 | -3.265 | 8.00 | 30.00 | Feet | 31 | -08 | 00 |
| 01 02 | HUB | 90-55-05 | 121.535 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 6 |
| 07 | GRD | 3-14-18 | 121.520 | -1.947 | 8.00 | 30.00 | Feet | 35 | -08 | 00 |
| 01 02 | HUB | 90-29-17 | 61.160 | 3 | 5.00 | 50 | Deg. | Yes | -07 | 7 |
| 08 | HSE | 1-41-18 | 61.155 | -.521 | 8.00 | 30.00 | Feet | 39 | -08 | 00 |
| 01 02 | HUB | 93-10-06 | 30.085 | 3 | 5.00 | 50 | Deg. | Yes | -02 | 8 |
| 09 | GRD | 1-14-08 | 30.035 | -1.663 | 8.00 | 30.00 | Feet | 43 | -08 | 00 |
| 01 02 | HUB | 81-28-17 | 15.180 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 358-59-44 | 15.005 | 2.250 | 8.00 | 30.00 | Feet | 42 | -08 | 00 |
| 01 02 | HUB | 89-19-12 | 67.050 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 186-15-49 | 67.040 | .796 | 8.00 | 30.00 | Feet | 38 | -08 | 00 |
| 01 02 | HUB | 90-21-23 | 84.255 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 11 |
| 12 | VEG | 188-10-23 | 84.250 | -.524 | 8.00 | 30.00 | Feet | 38 | -08 | 00 |
| 01 02 | HUB | 91-22-26 | 126.390 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 12 |
| 13 | GRD | 189-22-57 | 126.350 | -3.030 | 8.00 | 30.00 | Feet | 33 | -08 | 00 |
| 01 02 | HUB | 91-57-53 | 134.940 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 189-48-45 | 134.855 | -4.626 | 8.00 | 30.00 | Feet | 33 | -08 | 00 |
| 01 02 | HUB | 92-34-57 | 273.685 | 3 | 5.00 | 50 | Deg. | Yes | -04 | 14 |
| 15 | GRD | 190-52-51 | 273.405 | -12.332 | 8.00 | 30.00 | Feet | 26 | -08 | 00 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 36

DATCOM Work File: D69F26
JOB # S86-186
NAME SECT.4
DATE 04-23-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | ATM.COPR. OFFSET VAL. | LFC NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 89-56-39 | 524.920 | 3 | 4.08 | 45 | Deg. | Yes | -04 | 1 |
| 01 | T3-4CL | 0-00-00 | 524.915 | .512 | 8.00 | 30.00 | Feet | 23 | -08 | 06 |
| 01 02 | HUB | 89-40-12 | 208.620 | 3 | 4.08 | 45 | Deg. | Yes | -04 | 2 |
| 03 | CL- | 359-48-05 | 208.615 | 1.202 | 8.00 | 30.00 | Feet | 29 | -08 | 06 |
| 01 02 | HUB | 86-45-34 | 35.530 | 3 | 4.08 | 45 | Deg. | Yes | -04 | 3 |
| 04 | CLTBM | 359-06-23 | 35.470 | 2.008 | 6.00 | 30.00 | Feet | 36 | -08 | 06 |
| 01 02 | HUB | 83-17-55 | 15.885 | 3 | 4.08 | 45 | Deg. | Yes | -02 | 4 |
| 05 | GRD | 358-55-39 | 15.770 | 1.853 | 8.00 | 30.00 | Feet | 43 | -08 | 06 |
| 01 02 | HUB | 90-13-30 | 19.140 | 3 | 4.08 | 45 | Deg. | Yes | -04 | 5 |
| 06 | GRD | 179-27-48 | 19.140 | -.075 | 8.00 | 30.00 | Feet | 43 | -08 | 06 |
| 01 02 | HUB | 92-53-13 | 86.870 | 3 | 4.08 | 45 | Deg. | Yes | -04 | 6 |
| 07 | GRD | 179-14-30 | 86.760 | -4.375 | 8.00 | 30.00 | Feet | 37 | -08 | 06 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 00 51

DATCON Work File: D69F24
JOB # S86-186
NAME SECT-5
DATE 04-23-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | ATM.CORR. OFFSET VAL. | LEG NO. RAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 94-43-59 | 31.815 | 3 | 4.81 | 50 | Deg. | Yes | -02 | 1 |
| 01 | CLTBM | 0-00-01 | 31.705 | -2.625 | 8.00 | 30.00 | Feet | 39 | -08 | 02 |
| 01 02 | HUB | 93-03-28 | 53.735 | 3 | 4.81 | 50 | Deg. | Yes | -02 | 2 |
| 03 | GRD | 0-34-44 | 53.655 | -2.866 | 8.00 | 30.00 | Feet | 40 | -08 | 01 |
| 01 02 | HUB | 89-21-44 | 73.165 | 3 | 4.81 | 50 | Deg. | Yes | -04 | 3 |
| 04 | GRD | 359-51-51 | 73.155 | .814 | 8.00 | 30.00 | Feet | 38 | -08 | 01 |
| 01 02 | HUB | 92-02-44 | 91.650 | 3 | 4.81 | 50 | Deg. | Yes | -04 | 4 |
| 05 | GRD | 359-05-41 | 91.590 | -3.271 | 8.00 | 30.00 | Feet | 36 | -08 | 01 |
| 01 02 | HUB | 91-52-28 | 139.260 | 3 | 4.81 | 50 | Deg. | Yes | -04 | 5 |
| 06 | GRD | 356-47-36 | 139.185 | -4.555 | 8.00 | 30.00 | Feet | 31 | -08 | 01 |
| 01 02 | HUB | 98-08-13 | 19.745 | 3 | 4.81 | 50 | Deg. | Yes | -04 | 6 |
| 07 | GRD | 358-57-39 | 19.545 | -2.795 | 8.00 | 30.00 | Feet | 16 | -08 | 01 |
| 01 02 | HUB | 99-09-27 | 10.665 | 3 | 4.81 | 50 | Deg. | Yes | -02 | 7 |
| 08 | VEG | 175-21-46 | 10.525 | -1.697 | 8.00 | 30.00 | Feet | 43 | -08 | 01 |
| 01 02 | HUB | 106-19-23 | 20.055 | 3 | 4.81 | 50 | Deg. | Yes | -04 | 8 |
| 09 | GRD | 171-53-29 | 19.245 | -5.636 | 8.00 | 30.00 | Feet | 41 | -08 | 01 |
| 01 02 | HUB | 99-21-23 | 64.830 | 3 | 4.81 | 50 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 174-13-05 | 63.965 | -10.539 | 8.00 | 30.00 | Feet | 30 | -08 | 01 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 08

DATCOM Work File: D69F22
JOB # S86-186
NAME SECT.6
DATE 04-23-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | ATM.CORR. OFFSET VAL. | LEG NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 91-19-52 | 70.485 | 3 | 4.20 | 50 | Deg. | Yes | -02 | 1 |
| 01 | CLTBM | 0-00-00 | 70.465 | -1.637 | 8.00 | 30.00 | Feet | 39 | -08 | 03 |
| 01 02 | HUB | 91-17-28 | 98.605 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 2 |
| 03 | GRD | 359-40-48 | 98.575 | -2.222 | 8.00 | 30.00 | Feet | 37 | -08 | 03 |
| 01 02 | HUB | 89-36-56 | 121.620 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 3 |
| 04 | GRD | 359-43-53 | 121.620 | .816 | 8.00 | 30.00 | Feet | 33 | -08 | 03 |
| 01 02 | HUB | 90-43-25 | 147.600 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 4 |
| 05 | GRD | 359-59-15 | 147.590 | -1.864 | 8.00 | 30.00 | Feet | 31 | -08 | 03 |
| 01 02 | HUB | 90-52-37 | 175.120 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 5 |
| 06 | GRD | 0-29-14 | 175.100 | -2.680 | 8.00 | 30.00 | Feet | 30 | -08 | 03 |
| 01 02 | HUB | 92-09-07 | 54.225 | 3 | 4.20 | 50 | Deg. | Yes | -02 | 6 |
| 07 | GRD | 359-51-49 | 54.185 | -2.036 | 8.00 | 30.00 | Feet | 37 | -08 | 03 |
| 01 02 | HUB | 88-15-43 | 45.505 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 7 |
| 08 | GRD | 359-09-01 | 45.480 | 1.380 | 8.00 | 30.00 | Feet | 40 | -08 | 03 |
| 01 02 | HUB | 92-09-47 | 31.150 | 3 | 4.20 | 50 | Deg. | Yes | -02 | 8 |
| 09 | GRD | 356-15-39 | 31.125 | -1.176 | 8.00 | 30.00 | Feet | 42 | -08 | 03 |
| 01 02 | HUB | 81-46-00 | 15.380 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 350-20-03 | 15.220 | 2.202 | 8.00 | 30.00 | Feet | 44 | -08 | 03 |
| 01 02 | HUB | 81-58-12 | 14.580 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 179-18-53 | 14.435 | 2.036 | 8.00 | 30.00 | Feet | 2 | -08 | 03 |
| 01 02 | HUB | 96-11-56 | 23.830 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 11 |
| 12 | VEG | 177-06-15 | 23.690 | -2.573 | 8.00 | 30.00 | Feet | 32 | -08 | 03 |
| 01 02 | HUB | 97-53-22 | 40.045 | 3 | 4.20 | 50 | Deg. | Yes | -02 | 12 |
| 13 | GRD | 177-47-25 | 39.665 | -5.497 | 8.00 | 30.00 | Feet | 40 | -08 | 03 |
| 01 02 | HUB | 96-00-07 | 88.175 | 3 | 4.20 | 50 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 178-51-45 | 87.690 | -9.220 | 8.00 | 30.00 | Feet | 27 | -08 | 03 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 30

DATCOM Work File: D69F20
JOB # S86-166



NAME SECT.7
DATE 04-23-86
INST.# ET-1

| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | ATM.CORR. OFFSET VAL. | LFG NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-45-58 | 317.280 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 1 |
| 01 | CL | 0-00-00 | 317.250 | -4.242 | 8.00 | 30.00 | Feet | 26 | -08 | 04 |
| 01 02 | HUB | 91-24-03 | 257.250 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 2 |
| 03 | GRD | 0-22-27 | 257.170 | -6.289 | 8.00 | 30.00 | Feet | 27 | -08 | 04 |
| 01 02 | HUB | 90-41-50 | 155.845 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 3 |
| 04 | GRD | 358-23-47 | 155.835 | -1.896 | 8.00 | 30.00 | Feet | 31 | -08 | 04 |
| 01 02 | HUB | 91-19-21 | 97.825 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 4 |
| 05 | GRD | 354-53-31 | 97.800 | -2.258 | 8.00 | 30.00 | Feet | 35 | -08 | 04 |
| 01 02 | HUB | 94-10-23 | 79.625 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 5 |
| 06 | GRD | 352-58-42 | 79.410 | -5.794 | 8.00 | 30.00 | Feet | 37 | -08 | 04 |
| 01 02 | HUB | 94-46-20 | 54.930 | 3 | 4.47 | 45 | Deg. | Yes | -02 | 6 |
| 07 | GRD | 355-51-22 | 54.740 | -4.570 | 8.00 | 30.00 | Feet | 40 | -08 | 04 |
| 01 02 | HUB | 94-38-23 | 28.460 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 7 |
| 08 | GRD | 350-32-25 | 28.365 | -2.302 | 8.00 | 30.00 | Feet | 43 | -08 | 04 |
| 01 02 | HUB | 91-44-08 | 12.575 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 8 |
| 09 | GRD | 197-37-54 | 12.570 | -.381 | 8.00 | 30.00 | Feet | 23 | -08 | 04 |
| 01 02 | HUB | 91-31-42 | 46.000 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 184-45-41 | 45.985 | -1.227 | 8.00 | 30.00 | Feet | 39 | -08 | 04 |
| 01 02 | HUB | 89-46-27 | 50.740 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 183-40-53 | 50.735 | .200 | 8.00 | 30.00 | Feet | 40 | -08 | 04 |
| 01 02 | HUB | 92-11-32 | 55.855 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 11 |
| 12 | VEG | 182-14-49 | 55.810 | -2.136 | 8.00 | 30.00 | Feet | 41 | -08 | 04 |
| 01 02 | HUB | 95-10-58 | 77.410 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 12 |
| 13 | GRD | 180-00-17 | 77.095 | -6.993 | 8.00 | 30.00 | Feet | 38 | -08 | 04 |
| 01 02 | HUB | 94-46-39 | 142.375 | 3 | 4.47 | 45 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 178-58-41 | 141.875 | -11.857 | 8.00 | 30.00 | Feet | 32 | -08 | 04 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 30

DATCOM Work File: D69F14
JOB # S86-186
NAME SECT.8
DATE 04-22-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. FDM S.LEVEL | ATM.CORR. OFFSET VAL. | LEC NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 100-33-26 | 57.765 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 1 |
| 01 | CLTBM | 0-00-00 | 56.785 | -10.583 | 8.00 | 30.00 | Feet | 41 | -08 | 02 |
| 01 02 | HUB | 93-58-07 | 156.645 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 2 |
| 03 | GRD | 5-12-08 | 156.270 | -10.841 | 8.00 | 30.00 | Feet | 32 | -08 | 02 |
| 01 02 | HUB | 93-49-59 | 177.160 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 3 |
| 04 | GRD | 6-15-43 | 176.760 | -11.843 | 8.00 | 30.00 | Feet | 30 | -08 | 02 |
| 01 02 | HUB | 94-02-29 | 188.355 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 4 |
| 05 | GRD | 6-37-24 | 187.885 | -13.275 | 8.00 | 30.00 | Feet | 30 | -08 | 02 |
| 01 02 | HUB | 93-09-18 | 202.220 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 5 |
| 06 | GRD | 6-54-39 | 201.910 | -11.129 | 8.00 | 30.00 | Feet | 29 | -08 | 02 |
| 01 02 | HUB | 92-43-29 | 224.680 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 6 |
| 07 | CL | 8-04-49 | 224.425 | -10.681 | 8.00 | 30.00 | Feet | 29 | -08 | 02 |
| 01 02 | HUB | 101-07-43 | 54.180 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 7 |
| 08 | GRD | 356-29-28 | 53.160 | -10.457 | 8.00 | 30.00 | Feet | 41 | -08 | 02 |
| 01 02 | HUB | 98-27-54 | 27.685 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 8 |
| 09 | GRD | 345-24-11 | 27.385 | -4.076 | 8.00 | 30.00 | Feet | 43 | -08 | 02 |
| 01 02 | HUB | 85-57-50 | 29.890 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 303-01-16 | 29.815 | 2.104 | 8.00 | 30.00 | Feet | 39 | -08 | 02 |
| 01 02 | HUB | 99-52-36 | 35.500 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 249-11-21 | 34.970 | -6.089 | 8.00 | 30.00 | Feet | 42 | -08 | 02 |
| 01 02 | HUB | 98-56-41 | 45.665 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 11 |
| 12 | GRD | 235-03-33 | 45.105 | -7.099 | 8.00 | 30.00 | Feet | 37 | -08 | 02 |
| 01 02 | HUB | 92-42-07 | 58.790 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 12 |
| 13 | GRD | 225-03-07 | 58.725 | -2.771 | 8.00 | 30.00 | Feet | 39 | -08 | 02 |
| 01 02 | HUB | 94-04-56 | 72.580 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 219-01-50 | 72.390 | -5.166 | 8.00 | 30.00 | Feet | 38 | -08 | 02 |
| 01 02 | HUB | 95-29-16 | 81.305 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 14 |
| 15 | VEG | 216-53-19 | 80.930 | -7.775 | 8.00 | 30.00 | Feet | 37 | -08 | 02 |
| 01 02 | HUB | 96-01-04 | 108.010 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 15 |
| 16 | GRD | 212-21-20 | 107.410 | -11.323 | 8.00 | 30.00 | Feet | 36 | -08 | 02 |
| 01 02 | HUB | 96-01-21 | 157.310 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 16 |
| 17 | GRD | 205-57-43 | 156.440 | -16.505 | 8.00 | 30.00 | Feet | 31 | -08 | 02 |
| 01 02 | HUB | 96-02-30 | 157.170 | 3 | 4.81 | 60 | Deg. | Yes | -04 | 17 |
| 18 | GRD | 205-57-43 | 156.295 | -16.542 | 8.00 | 30.00 | Feet | 31 | -08 | 02 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unurable ET-1 Mode

DATCOM Work File: D69F14
JOB # S86-186

| BS - STA - | STA.DESC. | Z.ANGLE | S.DIST | ET-1 MODE | H.I. | TEMP. | ANGL.UNITS | TILT COMP. | ATM.CODE. | ET NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| - FS | FS.DESC. | H.ANGLE | H.DIST | V.DIST | H.T. | PRES. | DIST.UNITS | ROT S.ERVIS | OBSTR.VAL. | PAT.LEVEL |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 02 16

DATCOM Work File: D69F18
JOB # S86-186
NAME SECT.9
DATE 04-23-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z,ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. FDM S.LEVEL | ATM.CORR. CRESET VAL. | LEG NO. RAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 102-03-10 | 29.970 | 3 | 4.43 | 45 | Deg. | Yes | -04 | 1 |
| 01 | CLTBM | 0-00-00 | 29.305 | -6.257 | 8.00 | 30.00 | Feet | 37 | -08 | 06 |
| 01 02 | HUB | 91-50-54 | 327.350 | 3 | 4.43 | 45 | Deg. | Yes | -02 | 2 |
| 03 | CL | 0-57-57 | 327.180 | -10.558 | 8.00 | 30.00 | Feet | 25 | -08 | 06 |
| 01 02 | HUB | 92-14-26 | 268.880 | 3 | 4.43 | 45 | Deg. | Yes | -04 | 3 |
| 04 | HSE | 0-43-31 | 268.670 | -10.512 | 8.00 | 30.00 | Feet | 27 | -08 | 06 |
| 01 02 | HUB | 94-47-11 | 97.890 | 3 | 4.43 | 45 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 2-02-38 | 97.545 | -8.168 | 8.00 | 30.00 | Feet | 35 | -08 | 06 |
| 01 02 | HUB | 106-32-04 | 22.445 | 3 | 4.43 | 45 | Deg. | Yes | -02 | 5 |
| 06 | GRD | 3-45-37 | 21.515 | -6.307 | 8.00 | 30.00 | Feet | 43 | -08 | 06 |
| 01 02 | HUB | 106-14-26 | 10.275 | 3 | 4.43 | 45 | Deg. | Yes | -04 | 6 |
| 07 | GRD | 358-21-24 | 9.865 | -2.874 | 8.00 | 30.00 | Feet | 43 | -08 | 06 |
| 01 02 | HUB | 106-29-09 | 10.245 | 3 | 4.43 | 45 | Deg. | Yes | -04 | 7 |
| 08 | HSE | 358-21-25 | 9.825 | -2.908 | 8.00 | 30.00 | Feet | 42 | -08 | 06 |
| 01 02 | HUB | 95-46-45 | 18.365 | 3 | 4.43 | 45 | Deg. | Yes | -04 | 8 |
| 09 | HSEVFG | 168-29-57 | 18.270 | -1.849 | 8.00 | 30.00 | Feet | 44 | -08 | 06 |
| 01 02 | HUB | 104-43-53 | 22.620 | 3 | 4.43 | 45 | Deg. | Yes | -02 | 9 |
| 10 | GRD | 170-42-23 | 21.675 | -5.752 | 8.00 | 30.00 | Feet | 42 | -08 | 06 |
| 01 02 | HUB | 102-20-34 | 46.735 | 3 | 4.43 | 45 | Deg. | Yes | -02 | 10 |
| 11 | GRD | 175-48-11 | 45.650 | -9.989 | 8.00 | 30.00 | Feet | 42 | -08 | 06 |
| 01 02 | HUB | 97-19-15 | 127.070 | 3 | 4.43 | 45 | Deg. | Yes | -02 | 11 |
| 12 | GRD | 174-09-56 | 126.035 | -16.192 | 8.00 | 30.00 | Feet | 37 | -08 | 06 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 20

DATCOM Work File: D69F16
JOB # S86-186
NAME SECT.10
DATE 04-23-86
INST.# ET-1

| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. FOR S.LEVEL | REF.CORR. OFFSET VAL. | TRP NO. PAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | EIP | 97-26-18 | 94.625 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 1 |
| 01 | CLTBM | 0-00-00 | 93.830 | -12.250 | 8.00 | 30.00 | Feet | 28 | -05 | 10 |
| 01 02 | EIP | 92-17-24 | 382.705 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 2 |
| 03 | CL | 356-25-26 | 382.400 | -15.292 | 8.00 | 30.00 | Feet | 26 | -05 | 10 |
| 01 02 | EIP | 92-45-06 | 330.560 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 3 |
| 04 | HSE | 356-32-30 | 330.175 | -15.869 | 8.00 | 30.00 | Feet | 27 | -05 | 10 |
| 01 02 | EIP | 95-26-21 | 141.960 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 358-47-35 | 141.325 | -13.457 | 8.00 | 30.00 | Feet | 33 | -05 | 10 |
| 01 02 | EIP | 98-46-42 | 78.410 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 5 |
| 06 | GRD | 359-44-50 | 77.490 | -11.966 | 8.00 | 30.00 | Feet | 39 | -05 | 10 |
| 01 02 | EIP | 99-24-56 | 57.440 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 6 |
| 07 | GRD | 1-55-18 | 56.665 | -9.397 | 8.00 | 30.00 | Feet | 30 | -05 | 10 |
| 01 02 | EIP | 99-28-19 | 57.155 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 7 |
| 08 | HSE | 1-56-20 | 56.370 | -9.405 | 8.00 | 30.00 | Feet | 41 | -05 | 10 |
| 01 02 | EIP | 95-45-22 | 32.605 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 8 |
| 09 | HSE | 7-01-51 | 32.440 | -3.270 | 8.00 | 30.00 | Feet | 39 | -05 | 10 |
| 01 02 | EIP | 95-52-22 | 32.325 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 9 |
| 10 | GRD | 7-01-52 | 32.155 | -3.307 | 8.00 | 30.00 | Feet | 42 | -05 | 10 |
| 01 02 | EIP | 85-07-34 | 19.660 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 12 |
| 11 | GRD | 14-45-18 | 19.585 | 1.670 | 8.00 | 30.00 | Feet | 42 | -05 | 10 |
| 01 02 | EIP | 86-09-21 | 9.980 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 11 |
| 12 | GRD | 132-19-10 | 9.960 | .669 | 8.00 | 30.00 | Feet | 42 | -10 | 10 |
| 01 02 | EIP | 104-21-56 | 22.405 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 12 |
| 13 | VEG | 157-40-47 | 21.705 | -5.559 | 8.00 | 30.00 | Feet | 44 | -05 | 10 |
| 01 02 | EIP | 107-57-46 | 32.235 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 13 |
| 14 | GRD | 165-16-23 | 30.665 | -9.942 | 8.00 | 30.00 | Feet | 35 | -05 | 10 |
| 01 02 | EIP | 106-35-08 | 52.375 | 3 | 4.49 | 45 | Deg. | Yes | -02 | 14 |
| 15 | GRD | 168-23-18 | 50.195 | -14.950 | 8.00 | 30.00 | Feet | 39 | -05 | 10 |
| 01 02 | EIP | 100-16-33 | 115.690 | 3 | 4.49 | 45 | Deg. | Yes | -01 | 15 |
| 16 | GRD | 174-19-46 | 113.835 | -20.638 | 8.00 | 30.00 | Feet | 35 | -05 | 06 |
| 01 02 | EIP | 99-40-38 | 124.260 | 3 | 4.49 | 45 | Deg. | Yes | -04 | 16 |
| 17 | GRD | 174-19-57 | 122.490 | -20.987 | 8.00 | 30.00 | Feet | 29 | -05 | 06 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 47

DATCOM Work File: D69F6
JOB # S86-186



NAME SECT.11
DATE 04-22-86
INST.# ET-1

| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. EDM S.LEVEL | ATM.CORR. OFFSET VAL. | LEC NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-56-29 | 293.275 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 1 |
| 01 | PK | 0-00-00 | 293.230 | -4.818 | 8.00 | 30.00 | Feet | 26 | -08 | 10 |
| 01 02 | HUB | 90-45-00 | 406.495 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 2 |
| 03 | GRD | 359-52-15 | 406.455 | -5.321 | 8.00 | 30.00 | Feet | 24 | -08 | 10 |
| 01 02 | HUB | 90-56-28 | 293.255 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 3 |
| 04 | CL | 359-58-30 | 293.210 | -4.817 | 8.00 | 30.00 | Feet | 27 | -08 | 10 |
| 01 02 | HUB | 91-03-00 | 218.385 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 0-07-10 | 218.345 | -4.002 | 8.00 | 30.00 | Feet | 28 | -08 | 10 |
| 01 02 | HUB | 91-09-40 | 185.795 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 5 |
| 06 | HSE | 359-58-55 | 185.755 | -3.765 | 8.00 | 30.00 | Feet | 30 | -08 | 10 |
| 01 02 | HUB | 91-29-11 | 141.440 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 6 |
| 07 | HSE | 359-04-53 | 141.390 | -3.669 | 8.00 | 30.00 | Feet | 32 | -08 | 10 |
| 01 02 | HUB | 92-10-29 | 98.855 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 7 |
| 08 | HSE | 359-07-08 | 98.785 | -3.751 | 8.00 | 30.00 | Feet | 37 | -08 | 10 |
| 01 02 | HUB | 94-56-58 | 47.060 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 8 |
| 09 | CLSTREE | 0-29-00 | 46.880 | -4.060 | 8.00 | 30.00 | Feet | 40 | -08 | 10 |
| 01 02 | HUB | 96-52-34 | 30.045 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 9 |
| 10 | GRD | 0-59-06 | 29.830 | -3.597 | 8.00 | 30.00 | Feet | 43 | -08 | 10 |
| 01 02 | HUB | 80-58-17 | 12.580 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 10 |
| 11 | HSE | 358-08-11 | 12.420 | 1.973 | 8.00 | 30.00 | Feet | 39 | -08 | 10 |
| 01 02 | HUB | 91-35-46 | 18.335 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 11 |
| 12 | HSE | 179-32-07 | 18.330 | -.511 | 8.00 | 30.00 | Feet | 43 | -08 | 10 |
| 01 02 | HUB | 93-00-54 | 24.120 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 12 |
| 13 | VEG | 179-26-47 | 24.080 | -1.268 | 8.00 | 30.00 | Feet | 43 | -08 | 10 |
| 01 02 | HUB | 96-09-52 | 53.145 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 178-30-41 | 52.840 | -5.707 | 8.00 | 30.00 | Feet | 39 | -08 | 10 |
| 01 02 | HUB | 94-36-07 | 153.745 | 3 | 5.01 | 55 | Deg. | Yes | -04 | 14 |
| 15 | GRD | 177-02-57 | 153.250 | -12.335 | 8.00 | 30.00 | Feet | 30 | -08 | 10 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 36

DATCOM Work File: D69F10
JOB # S86-186
NAME SECT.12
DATE 04-22-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. PDN S.LEVEL | ATM.CORR. OFFSET VAL. | TEG NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 91-09-03 | 509.465 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 1 |
| 01 | HUBHSE | 0-00-00 | 509.360 | -10.232 | 8.00 | 30.00 | Feet | 24 | -08 | 05 |
| 01 02 | HUB | 91-19-25 | 456.425 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 2 |
| 03 | HSE | 0-22-00 | 456.300 | -10.543 | 8.00 | 30.00 | Feet | 25 | -08 | 05 |
| 01 02 | HUB | 91-27-32 | 416.180 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 3 |
| 04 | CL | 0-27-45 | 416.045 | -10.596 | 8.00 | 30.00 | Feet | 26 | -08 | 05 |
| 01 02 | HUB | 91-43-17 | 362.515 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 0-53-15 | 362.350 | -10.890 | 8.00 | 30.00 | Feet | 26 | -08 | 05 |
| 01 02 | HUB | 93-15-51 | 176.460 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 5 |
| 06 | HSE | 3-15-57 | 176.170 | -10.047 | 8.00 | 30.00 | Feet | 31 | -08 | 05 |
| 01 02 | HUB | 93-58-39 | 146.805 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 6 |
| 07 | CLDIFT | 4-15-10 | 146.450 | -10.183 | 8.00 | 30.00 | Feet | 32 | -08 | 05 |
| 01 02 | HUB | 94-42-49 | 116.980 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 7 |
| 08 | GRD | 5-43-11 | 116.585 | -9.613 | 8.00 | 30.00 | Feet | 34 | -08 | 05 |
| 01 02 | HUB | 95-04-46 | 78.980 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 8 |
| 09 | HSE | 9-14-54 | 78.670 | -6.993 | 8.00 | 30.00 | Feet | 38 | -08 | 05 |
| 01 02 | HUB | 96-38-41 | 51.255 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 9 |
| 10 | HSE | 15-19-07 | 50.915 | -5.931 | 8.00 | 30.00 | Feet | 33 | -08 | 05 |
| 01 02 | HUB | 95-16-02 | 29.865 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 28-24-12 | 29.740 | -2.742 | 8.00 | 30.00 | Feet | 42 | -08 | 05 |
| 01 02 | HUB | 99-53-04 | 17.315 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 11 |
| 12 | GRD | 120-24-10 | 17.055 | -2.972 | 8.00 | 30.00 | Feet | 43 | -08 | 05 |
| 01 02 | HUB | 104-23-00 | 22.915 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 12 |
| 13 | VEG | 138-08-27 | 22.195 | -5.692 | 8.00 | 30.00 | Feet | 41 | -08 | 05 |
| 01 02 | HUB | 100-16-55 | 52.250 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 160-28-35 | 51.410 | -9.326 | 8.00 | 30.00 | Feet | 38 | -08 | 05 |
| 01 02 ? | HUB | 95-49-19 | 162.745 | 4 | 4.51 | 60 | Deg. | Yes | -04 | |
| 15 | GRD | | | -16.505 | 8.00 | 30.00 | Feet | 31 | -08 | 05 |
| 01 02 | HUB | 95-49-19 | 162.950 | 3 | 4.51 | 60 | Deg. | Yes | -04 | 15 |
| 16 | GRD | 172-23-07 | 162.105 | -16.529 | 8.00 | 30.00 | Feet | 31 | -08 | 05 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 41

DATCOM Work File: D69F12
JOB # S86-186



NAME SECT.13
DATE 04-22-86
INST.# ET-1

| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. FDN S.LEVEL | ATM.CORR. OFFSET VAL. | LEG NO. BAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-13-20 | 573.360 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 1 |
| 01 | PKCL-HS | 0-00-00 | 573.355 | -2.224 | 8.00 | 30 | Feet | 21 | -08 | 02 |
| 01 02 | HUB | 90-12-54 | 530.145 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 2 |
| 03 | HSE | 359-51-00 | 530.140 | -1.989 | 8.00 | 30 | Feet | 22 | -08 | 02 |
| 01 02 | HUB | 90-06-43 | 451.935 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 3 |
| 04 | CL | 359-33-50 | 451.930 | -.883 | 8.00 | 30 | Feet | 23 | -08 | 02 |
| 01 02 | HUB | 89-59-30 | 369.370 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 359-17-01 | 369.370 | .054 | 8.00 | 30 | Feet | 25 | -08 | 02 |
| 01 02 | HUB | 90-03-33 | 325.585 | ? | 5.09 | 60 | Deg. | Yes | -04 | 5 |
| 06 | HSE | 358-51-43 | 325.585 | -.336 | 8.00 | 30 | Feet | 26 | -08 | 02 |
| 01 02 | HUB | 90-01-26 | 220.595 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 6 |
| 07 | HSE | 357-17-23 | 220.595 | -.092 | 8.00 | 30 | Feet | 28 | -08 | 02 |
| 01 02 | HUB | 90-00-07 | 180.470 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 7 |
| 08 | HSE | 355-52-23 | 180.465 | -.006 | 8.00 | 30 | Feet | 30 | -08 | 02 |
| 01 02 | HUB | 89-36-37 | 148.685 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 8 |
| 09 | GRD | 354-40-01 | 148.680 | 1.011 | 8.00 | 30 | Feet | 30 | -08 | 02 |
| 01 02 | HUB | 89-52-41 | 131.665 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 9 |
| 10 | CL | 352-11-29 | 131.665 | .280 | 8.00 | 30 | Feet | 33 | -08 | 02 |
| 01 02 | HUB | 89-14-55 | 87.320 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 357-41-10 | 87.310 | 1.145 | 8.00 | 30 | Feet | 34 | -08 | 02 |
| 01 02 | HUB | 86-18-48 | 55.520 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 11 |
| 12 | HSE | 356-05-36 | 55.400 | 3.570 | 8.00 | 30 | Feet | 33 | -08 | 02 |
| 01 02 | HUB | 78-00-21 | 32.160 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 12 |
| 13 | GRD | 1-37-13 | 31.455 | 6.683 | 8.00 | 30 | Feet | 34 | -08 | 02 |
| 01 02 | HUB | 89-15-53 | 19.195 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 177-49-09 | 19.190 | .246 | 8.00 | 30 | Feet | 41 | -08 | 02 |
| 01 02 | HUB | 92-48-05 | 129.640 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 14 |
| 15 | GRD | 178-09-47 | 129.480 | -6.336 | 8.00 | 30 | Feet | 34 | -08 | 02 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 35

DATCOM Work File: D69F12
JOB # S86-186
NAME SECT.13
DATE 04-22-86
INST.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. FROM S.LEVEL | ATM.CORR. OFFSET VAL. | LEG NO. PAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-13-20 | 573.360 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 1 |
| 01 | PKCL-HS | 0-00-00 | 573.355 | -2.224 | 8.00 | 30 | Feet | 21 | -08 | 02 |
| 01 02 | HUB | 90-12-54 | 530.145 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 2 |
| 03 | HSE | 359-51-00 | 530.140 | -1.989 | 8.00 | 30 | Feet | 22 | -08 | 02 |
| 01 02 | HUB | 90-06-43 | 451.935 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 3 |
| 04 | CL | 359-33-50 | 451.930 | -.883 | 8.00 | 30 | Feet | 23 | -08 | 02 |
| 01 02 | HUB | 89-59-30 | 369.370 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 359-17-01 | 369.370 | .054 | 8.00 | 30 | Feet | 25 | -08 | 02 |
| 01 02 | HUB | 90-03-33 | 325.585 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 5 |
| 06 | HSE | 358-51-43 | 325.585 | -.336 | 8.00 | 30 | Feet | 26 | -08 | 02 |
| 01 02 | HUB | 90-01-26 | 220.595 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 6 |
| 07 | HSE | 357-17-23 | 220.595 | -.092 | 8.00 | 30 | Feet | 28 | -08 | 02 |
| 01 02 | HUB | 90-00-07 | 180.470 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 7 |
| 08 | HSE | 355-52-23 | 180.465 | -.006 | 8.00 | 30 | Feet | 30 | -08 | 02 |
| 01 02 | HUB | 89-36-37 | 148.685 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 8 |
| 09 | GRD | 354-40-01 | 148.680 | 1.011 | 8.00 | 30 | Feet | 30 | -08 | 02 |
| 01 02 | HUB | 89-52-41 | 131.665 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 9 |
| 10 | CL | 352-11-29 | 131.665 | .280 | 8.00 | 30 | Feet | 33 | -08 | 02 |
| 01 02 | HUB | 89-14-55 | 87.320 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 10 |
| 11 | GRD | 357-41-10 | 87.310 | 1.145 | 8.00 | 30 | Feet | 34 | -08 | 02 |
| 01 02 | HUB | 86-18-48 | 55.520 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 11 |
| 12 | HSE | 356-05-36 | 55.400 | 3.570 | 8.00 | 30 | Feet | 33 | -08 | 02 |
| 01 02 | HUB | 76-00-21 | 32.160 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 12 |
| 13 | GRD | 1-37-13 | 31.455 | 6.683 | 8.00 | 30 | Feet | 34 | -08 | 02 |
| 01 02 | HUB | 89-15-53 | 19.195 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 13 |
| 14 | GRD | 177-49-09 | 19.190 | .246 | 8.00 | 30 | Feet | 41 | -08 | 02 |
| 01 02 | HUB | 92-46-05 | 129.640 | 3 | 5.09 | 60 | Deg. | Yes | -04 | 14 |
| 15 | GRD | 178-09-47 | 129.480 | -6.336 | 8.00 | 30 | Feet | 34 | -08 | 02 |

* - Indicates Average of Previous Doubled Angles (Mode 3 only)
? - Indicates an Unusable ET-1 Mode

TIME FOR THIS PRINT OUT: 0 01 35

DATCON Work File: D69F8
JOB # S86-186
NAME SECT.14
DATE 04-22-86
INSTR.# ET-1



| BS - STA - FS | STA.DESC. FS.DESC. | Z.ANGLE H.ANGLE | S.DIST H.DIST | ET-1 MODE V.DIST | H.I. H.T. | TEMP. PRES. | ANGL.UNITS DIST.UNITS | TILT COMP. PDN S.LEVEL | ATM.CORR. OFFSET VAL. | LEC NO. PAT.LEVEL |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 02 | HUB | 90-35-15 | 601.100 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 1 |
| 01 | HUE | 0-00-00 | 601.070 | -6.163 | 8.00 | 30.00 | Feet | 21 | -08 | 06 |
| 01 02 | HUB | 90-43-50 | 477.650 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 2 |
| 03 | CL | 0-06-07 | 477.610 | -6.090 | 8.00 | 30.00 | Feet | 23 | -08 | 06 |
| 01 02 | HUB | 90-44-45 | 399.520 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 3 |
| 04 | HSE | 0-05-08 | 399.480 | -5.200 | 8.00 | 30.00 | Feet | 24 | -08 | 06 |
| 01 02 | HUB | 90-49-19 | 340.520 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 4 |
| 05 | HSE | 0-00-33 | 340.485 | -4.885 | 8.00 | 30.00 | Feet | 24 | -08 | 06 |
| 01 02 | HUB | 90-58-17 | 247.160 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 5 |
| 06 | HSE | 359-57-09 | 247.125 | -4.190 | 8.00 | 30.00 | Feet | 27 | -08 | 06 |
| 01 02 | HUB | 91-11-45 | 190.045 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 6 |
| 07 | HSE | 359-52-24 | 190.005 | -3.966 | 8.00 | 30.00 | Feet | 29 | -08 | 06 |
| 01 02 | HUB | 91-39-55 | 128.225 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 7 |
| 08 | CLDIFT | 359-35-51 | 128.170 | -3.726 | 8.00 | 30.00 | Feet | 25 | -08 | 06 |
| 01 02 | HUB | 92-37-12 | 57.310 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 8 |
| 09 | HSE | 359-42-58 | 57.250 | -2.620 | 8.00 | 30.00 | Feet | 37 | -08 | 06 |
| 01 02 | HUB | 96-06-06 | 27.325 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 9 |
| 10 | HSE | 328-43-13 | 27.170 | -2.904 | 8.00 | 30.00 | Feet | 40 | -08 | 06 |
| 01 02 | HUB | 89-12-52 | 23.430 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 10 |
| 11 | CRD | 173-02-22 | 23.425 | .321 | 8.00 | 30.00 | Feet | 42 | -08 | 06 |
| 01 02 | HUB | 97-13-47 | 37.180 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 11 |
| 12 | VEG | 174-44-09 | 36.885 | -4.679 | 8.00 | 30.00 | Feet | 42 | -08 | 06 |
| 01 02 | HUB | 94-41-32 | 135.610 | 3 | 4.76 | 60 | Deg. | Yes | -04 | 12 |
| 13 | CRD | 177-54-47 | 135.155 | -11.093 | 8.00 | 30.00 | Feet | 32 | -08 | 06 |

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TIME FOR THIS PRINT OUT: 0 01 24