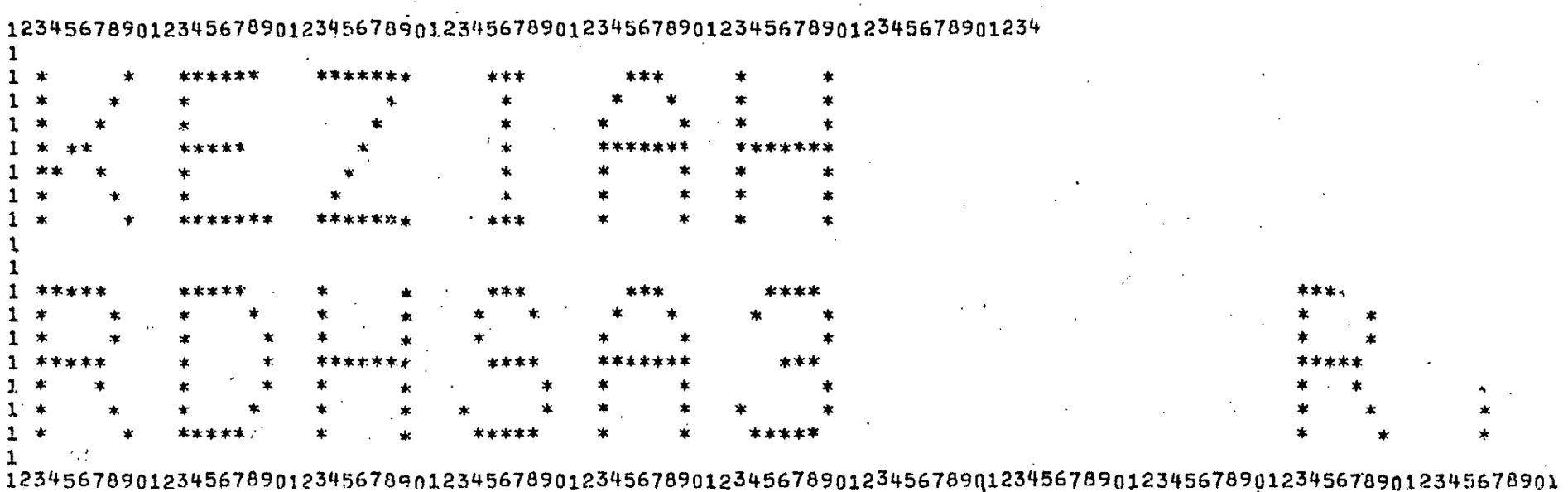

BASIN A STR 3 PROFILE | OK 9/19/77

LAMB CRK.

PROGRAMMER=KEZIAH ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND	DATE	TIME
ENTERED	9/16/77	9:10:16.9
EXECUTED	9/16/77	9:18:52.3
RETURNED	9/16/77	12:29:39.7
JOB ENTERED ON FRIDAY		

JOB PARAMETERS	SPECIFIED	USED
TIME	2:00.0	0:36.2
PAGES	100	51
CARDS	0	0
PLOTS	0	0

TIME USED INCLUDES	NO.	EQUIVALENT
CPU		0:13.8
UR EXCPS	2862	0:11.3
DISK EXCPS	547	0:10.9
TAPE READ-WRITE		0:00.0
TAPE FILE SEARCH		0:00.0

MISC. JOB VALUES	
LINES IN	66
LINES OUT	2710
MEMORY TIME	18105 K-SEC
PRIORITY	01
APPROX. COST	$11.75

J O B C O N S O L E L O G

```
N  9.10.25 JOB  625 -- RDHSA3    -- JCL INTERPRETED, TUCC CPU #1
N  9.18.48 JOB  625 -- RDHSA3    -- BEGINNING EXEC - INIT 2 - CLASS
L* 9.18.52 JOB  625 ++++++S=255,T=02,J=RDHSA3    9:18:52 KEZIAH
 * 9.19.05 JOB  625 IEF279I 464   NOW MOUNTED.
N  9.19.56 JOB  625 END EXECUTION.
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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
  ERROR CORR -  01
  MODIFICATION -  50,51,52
**************************************************

C
T1      DAVIDSON CO.    BASIN A   STREAM 3  UNNAMED STREAM
T2      FLOODPLAIN  STUDY  AT  ROWAN & DAVIDSON  COUNTIES  M-G JOB  NO.  6918
T3      10 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
      -1.       2.        0.        0.  0.003600       0.0       0.0       0.    665.900     0.0
J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
       0.0       0.0    -1.000       0.0       0.0       0.0       0.0       0.0       0.0       0.0
J3  VARIABLE CODES FOR SUMMARY PRINTOUT
     38.000    39.000    40.000    41.000    43.000    42.000     1.000     2.000    26.000    53.000

     54.000    25.000    50.000       0.0   201.000       0.0       0.0       0.0       0.0       0.0

NC      0.055     0.055     0.035     0.100     0.300       0.0       0.0       0.0       0.0       0.0
QT      5.000   450.000   770.000   970.000  1490.000   970.000       0.0       0.0       0.0       0.0
ET      5.000       0.0       0.0       0.0       0.0    -10.400       0.0       0.0       0.0       0.0

X1    275.000    16.000  1400.000  1418.000   275.000   275.000   275.000       0.0    -1.800     1.000
GR    675.900  1000.000   674.700  1100.000   671.900  1200.000   665.400  1271.000   665.400  1300.000
GR    667.100  1400.000   662.400  1407.000   661.800  1411.000   662.300  1415.000   667.100  1418.000
GR    665.200  1442.000   665.500  1500.000   667.300  1600.000   668.800  1648.000   674.000  1700.000
GR    684.200  1775.000       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
NC      0.025     0.025     0.025     0.100     0.300       0.0       0.0       0.0       0.0       0.0

X1    350.000    14.000  1397.500  1402.500    75.000    75.000    75.000       0.0       0.0     1.000
GR    675.400  1000.000   673.500  1100.000   672.000  1200.000   668.900  1300.000   663.400  1397.500
GR    661.600  1398.000   660.900  1400.000   661.600  1402.000   663.400  1402.500   665.900  1410.000
GR    667.300  1500.000   671.300  1600.000   673.900  1700.000   677.300  1800.000       0.0       0.0
SB      0.900     1.500     2.500       0.0       5.000     0.010    20.000       0.0       0.0       0.0

                RONO  NCSR 1160          MXLCEL   665.9              RDELV   670.3

X1    407.000       0.0       0.0       0.0    57.000    57.000    57.000       0.0       0.0     1.000
X2        0.0       0.0     1.000   665.900   670.300       0.0       0.0       0.0       0.0       0.0
BT     13.000  1000.000   675.400       0.0  1100.000   673.500       0.0  1200.000   672.000       0.0
BT   1300.000   670.900       0.0  1397.500   670.300   663.400  1398.000   670.300   665.200  1400.000
BT    670.300   665.900  1402.000   670.300   665.200  1402.500   670.300   663.400  1500.000   670.400
BT        0.0  1600.000   671.300       0.0  1700.000   673.900       0.0  1800.000   677.300       0.0
NC      0.055     0.055     0.035     0.100     0.300       0.0       0.0       0.0       0.0       0.0

X1    482.000    16.000  1400.000  1418.000    75.000    75.000    75.000       0.0       0.0       0.0
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GR	675.900	1000.000	674.700	1100.000	671.900	1200.000	665.400	1271.000	665.400	1300.000
GR	667.100	1400.000	662.400	1407.000	661.800	1411.000	662.300	1415.000	667.100	1418.000
GR	665.200	1442.000	665.500	1500.000	667.300	1600.000	668.800	1648.000	674.000	1700.000
GR	684.200	1775.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	395.000	695.000	860.000	1410.000	860.000	0.0	0.0	0.0	0.0
X1	2075.000	13.000	1289.000	1306.000	1593.000	1593.000	1593.000	0.0	0.0	0.0
GR	688.200	1000.000	675.900	1100.000	670.400	1134.000	669.800	1137.000	671.100	1141.000
GR	670.400	1200.000	671.400	1289.000	668.400	1293.000	668.200	1297.000	669.000	1302.000
GR	672.300	1306.000	672.000	1326.000	687.000	1400.000	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
  ERROR CORR -  01
  MODIFICATION -  50,51,52
**************************************************

T1      DAVIDSON CO.    BASIN A   STREAM 3  UNNAMED STREAM
T2      FLOODPLAIN  STUDY  AT  ROWAN & DAVIDSON  COUNTIES  M-G JOB  NO.  6918
T3      50 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK     INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

     -10.       3.        0.        0.  0.003600      0.0       0.0        0.    666.900     0.0

J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     2.000     0.0       -1.000    0.0       0.0       0.0       0.0       0.0       0.0       0.0

*PROF 2

CCHV=   0.100 CEHV=   0.300
*SECNO.275.000

3265 DIVIDED FLOW

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


   275.00      5.08    665.08      0.0     666.90    665.25      0.18      0.0       0.0     665.30
    770.       189.      300.      280.      119.      60.       159.       0.        0.      665.30
      0.0      1.60      5.02      1.77     0.055     0.035     0.055      0.0     660.00    1254.88
 0.003563      275.      275.      275.         0         0         4      0.0     305.02    1576.41


CCHV=   0.100 CEHV=   0.300
*SECNO 350.000

3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   350.00      5.51    666.41    666.41       0.0    667.11      0.70      0.32      0.15    663.40
    770.       453.      223.       94.       80.       25.       22.        0.        0.      663.40
     0.00      5.63      9.08      4.36     0.025     0.025     0.025     0.025    660.90    1344.11
 0.005206       75.       75.       75.        20         8         0      0.0      98.81    1442.91
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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
  ERROR CORR -  01
  MODIFICATION -  50,51,52
**************************************************

T1      DAVIDSON CO.    BASIN A   STREAM 3  UNNAMED STREAM
T2      FLOODPLAIN  STUDY  AT  ROWAN & DAVIDSON  COUNTIES  M-G JOB  NO.  6918
T3      100 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK     INQ       NINV      IDIR       STRT      METRIC    HVINS     Q         WSEL      FQ

     -10.        4.        0.        0.  0.003600       0.0       0.0       0.   667.900      0.0

J2  NPROF      IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     3.000      0.0      -1.000     0.0       0.0       0.0       0.0       0.0       0.0       0.0

*PROF 3

CCHV=   0.100 CEHV=   0.300
*SECNO 275.000
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   275.00      5.31    665.31      0.0     667.90    665.48      0.17      0.0       0.0     665.30
    970.       263.      330.      377.      151.      64.       197.       0.        0.      665.30
      0.0      1.74      5.15      1.91     0.055     0.035     0.055      0.0     660.00    1252.33
 0.003579      275.      275.      275.         0         0         5      0.0     337.08    1589.41

CCHV=   0.100 CEHV=   0.300
*SECNO 350.000

3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   350.00      5.81    666.71    666.71       0.0    667.41      0.70      0.32      0.16    663.40
    970.       575.      243.      152.       97.       26.       37.        0.        0.      663.40
     0.00      5.91      9.31      4.13     0.025     0.025     0.025     0.025    660.90    1338.74
 0.005051       75.       75.       75.        20         8         0      0.0     123.62    1462.36

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
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1565. . . . . X . . . . . .
1570. . . . . X . . . . . .

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
  ERROR CORR -  01
  MODIFICATION -  50,51,52
**************************************************

T1      DAVIDSON CO.    BASIN A   STREAM 3  UNNAMED STREAM
T2      FLOODPLAIN  STUDY  AT  ROWAN & DAVIDSON  COUNTIES  M-G JOB  NO.  6918
T3      500 YEAR FLOOD WATER SURFACE PROFILE

J1  ICHECK     INQ        NINV       IDIR       STRT       METRIC     HVINS      Q          WSEL       FQ

     -10.        5.         0.         0.  0.003600        0.0        0.0        0.      668.900      0.0

J2  NPROF      IPLOT      PRFVS      XSECV      XSECH      FN         ALLDC      IBW        CHNIM      ITRACE

    15.000       0.0     -1.000        0.0        0.0        0.0        0.0        0.0        0.0        0.0

*PROF 4

CCHV=   0.100 CEHV=   0.300
*SECNO 275.000
   SECNO      DEPTH      CWSEL      CRIWS      WSELK      EG         HV         HL         OLOSS    BANK ELEV
   Q          QLOB       QCH        QROB       ALOB       ACH        AROB       VOL        TWA    LEFT/RIGHT
   TIME       VLOB       VCH        VROB       XNL        XNCH       XNR        WTN        ELMIN        SSTA
   SLOPE      XLOBL      XLCH       XLOBR      ITRIAL     IDC        ICONT      CORAR      TOPWID       ENDST

   275.00       5.76     665.76        0.0     663.90     665.94       0.18        0.0        0.0     665.30
    1490.        464.       401.       625.       219.        72.       279.         0.         0.     665.30
     0.0         2.12       5.56       2.24      0.055      0.035      0.055       0.0     660.00    1247.42
 0.003560        275.       275.       275.          0          0          5       0.0     360.86    1608.28

CCHV=   0.100 CEHV=   0.300
*SECNO 350.000

3301 HV CHANGED MORE THAN HVINS

   SECNO      DEPTH      CWSEL      CRIWS      WSELK      EG         HV         HL         OLOSS    BANK ELEV
   Q          QLOB       QCH        QROB       ALOB       ACH        AROB       VOL        TWA    LEFT/RIGHT
   TIME       VLOB       VCH        VROB       XNL        XNCH       XNR        WTN        ELMIN        SSTA
   SLOPE      XLOBL      XLCH       XLOBR      ITRIAL     IDC        ICONT      CORAR      TOPWID       ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   350.00       6.40     667.30     667.30        0.0     668.00       0.70       0.30       0.15     663.40
    1490.        857.       279.       354.       135.        29.        83.         1.         0.     663.40
     0.00        6.35       9.62       4.25      0.025      0.025      0.025      0.025     660.90    1328.30
 0.004683         75.        75.        75.         20          8          0       0.0     171.79    1500.09


SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
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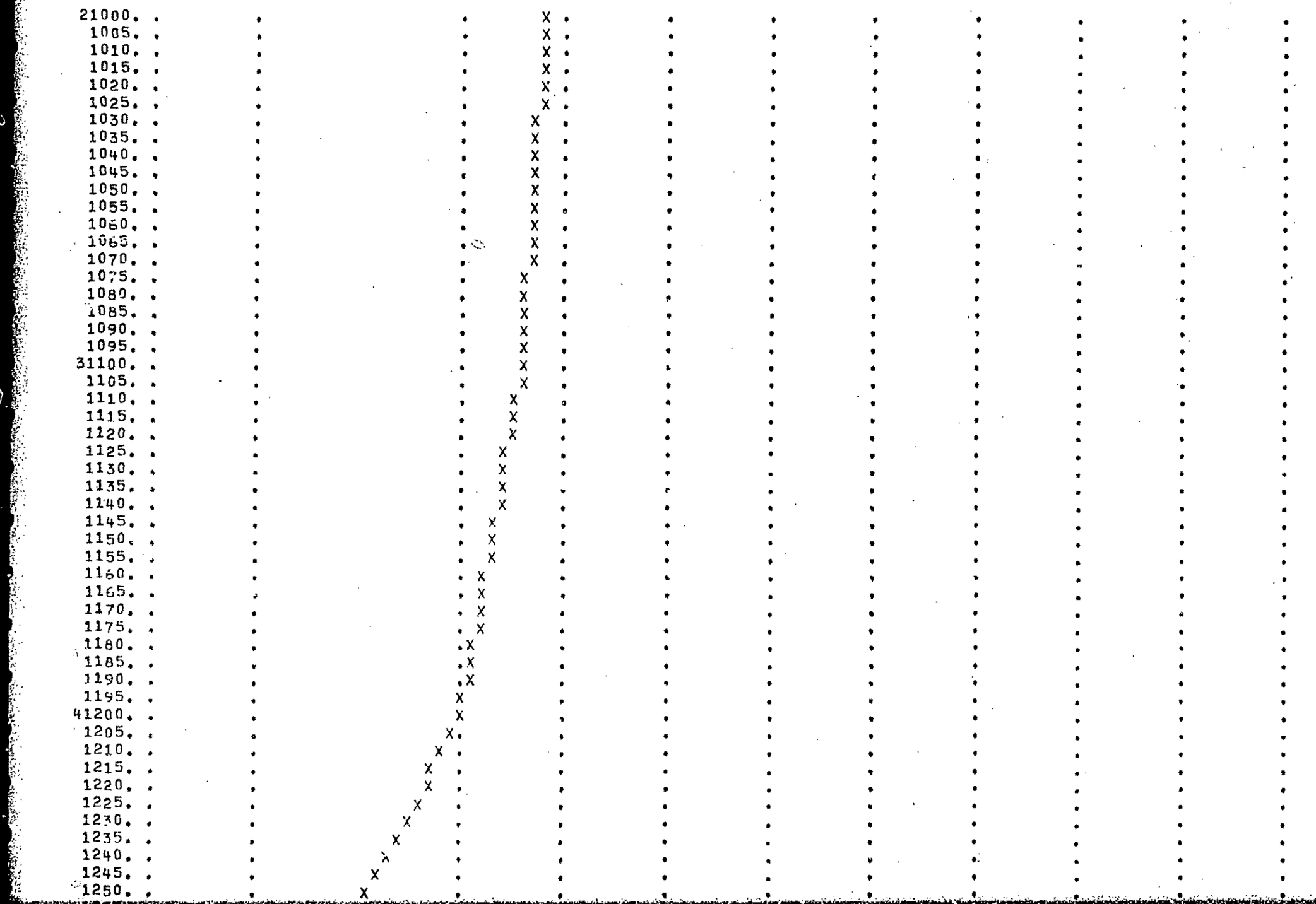
CROSS SECTION 275.00
STREAM 10 YEAR FLOOD WATER SURF
DISCHARGE= 450.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

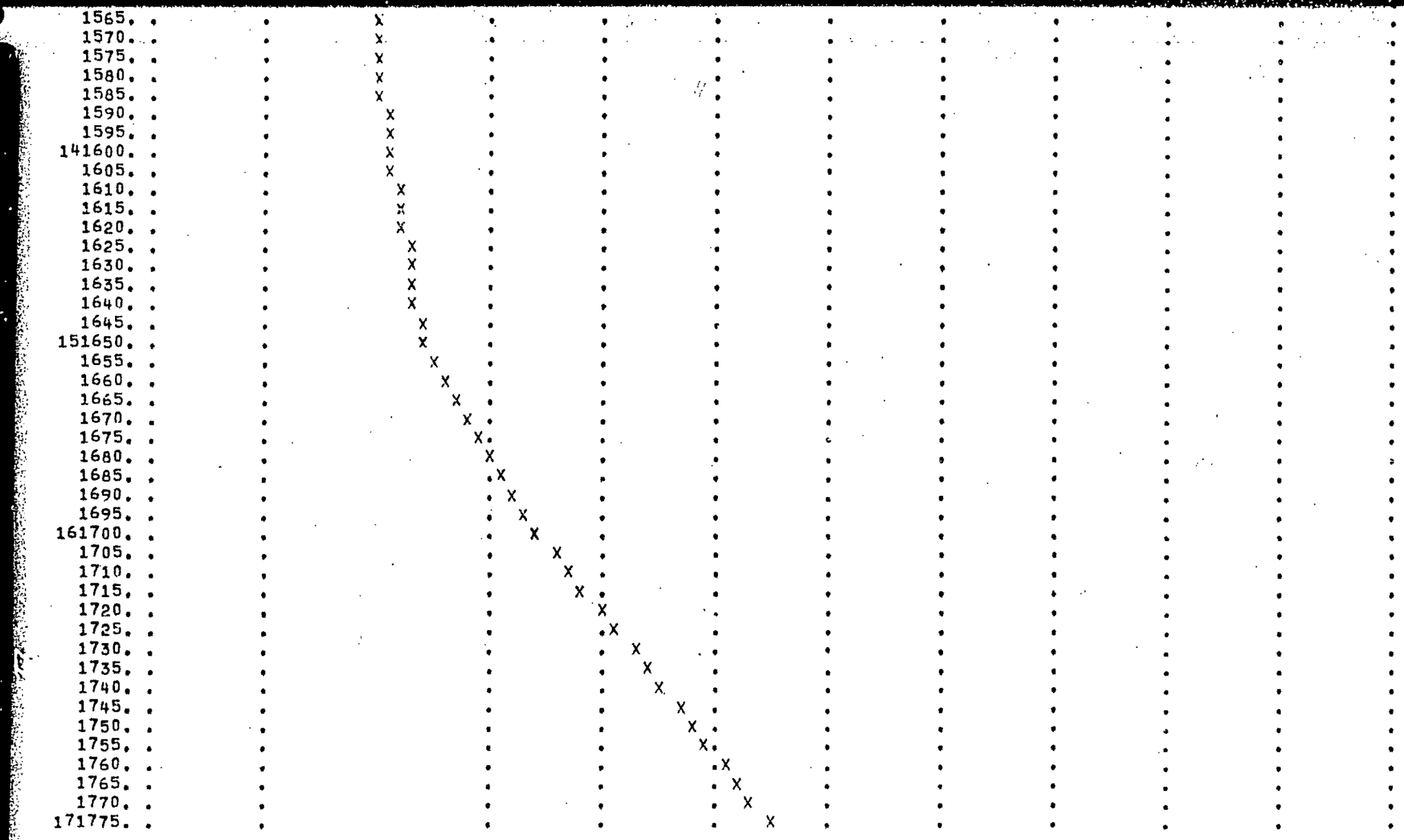
ELEV 655. 660. 665. 670. 675. 680. 685. 690. 695. 700. 705.

STA-FEET



1235.	.	.	X	.	.	.	.	.	.	.	.	.
1240.	.	.	X	.	.	.	.	.	.	.	.	.
1245.	.	.	X	.	.	.	.	.	.	.	.	.
1250.	.	.	X	.	.	.	.	.	.	.	.	.
1255.	.	.	X	.	.	.	.	.	.	.	.	.
1260.	.	.	XF	.	.	.	.	.	.	.	.	.
1265.	.	.	XWF	.	.	.	.	.	.	.	.	.
51270.	.	.	X WF	.	.	.	.	.	.	.	.	.
1275.	.	.	X WF	.	.	.	.	.	.	.	.	.
1280.	.	.	X WF	.	.	.	.	.	.	.	.	.
1285.	.	.	X WF	.	.	.	.	.	.	.	.	.
1290.	.	.	X WF	.	.	.	.	.	.	.	.	.
1295.	.	.	X WF	.	.	.	.	.	.	.	.	.
61300.	.	.	X WF	.	.	.	.	.	.	.	.	.
1305.	.	.	X WF	.	.	.	.	.	.	.	.	.
1310.	.	.	XWF	.	.	.	.	.	.	.	.	.
1315.	.	.	XWF	.	.	.	.	.	.	.	.	.
1320.	.	.	XWF	.	.	.	.	.	.	.	.	.
1325.	.	.	XWF	.	.	.	.	.	.	.	.	.
1330.	.	.	XWF	.	.	.	.	.	.	.	.	.
1335.	.	.	XWF	.	.	.	.	.	.	.	.	.
1340.	.	.	XF	.	.	.	.	.	.	.	.	.
1345.	.	.	XE	.	.	.	.	.	.	.	.	.
1350.	.	.	XF	.	.	.	.	.	.	.	.	.
1355.	.	.	XF	.	.	.	.	.	.	.	.	.
1360.	.	.	XF	.	.	.	.	.	.	.	.	.
1365.	.	.	XF	.	.	.	.	.	.	.	.	.
1370.	.	.	X	.	.	.	.	.	.	.	.	.
1375.	.	.	X	.	.	.	.	.	.	.	.	.
1380.	.	.	X	.	.	.	.	.	.	.	.	.
1385.	.	.	X	.	.	.	.	.	.	.	.	.
1390.	.	.	X	.	.	.	.	.	.	.	.	.
1395.	.	.	X	.	.	.	.	.	.	.	.	.
71400.	.	.	X	.	.	.	.	.	.	.	.	BANK.
81405.	.	X	WF	.	.	.	.	.	.	.	.	.
91410.	.	.	WF	.	.	.	.	.	.	.	.	.
101415.	.	X	WF	.	.	.	.	.	.	.	.	.
111420.	.	.	X	.	.	.	.	.	.	.	.	BANK.
1425.	.	.	X	.	.	.	.	.	.	.	.	.
1430.	.	.	XE	.	.	.	.	.	.	.	.	.
1435.	.	.	XWF	.	.	.	.	.	.	.	.	.
121440.	.	.	X WF	.	.	.	.	.	.	.	.	.
1445.	.	.	X WF	.	.	.	.	.	.	.	.	.
1450.	.	.	X WF	.	.	.	.	.	.	.	.	.
1455.	.	.	X WF	.	.	.	.	.	.	.	.	.
1460.	.	.	X WF	.	.	.	.	.	.	.	.	.
1465.	.	.	X WF	.	.	.	.	.	.	.	.	.
1470.	.	.	X WF	.	.	.	.	.	.	.	.	.
1475.	.	.	X WF	.	.	.	.	.	.	.	.	.
1480.	.	.	X WF	.	.	.	.	.	.	.	.	.
1485.	.	.	X WF	.	.	.	.	.	.	.	.	.
1490.	.	.	X WF	.	.	.	.	.	.	.	.	.
1495.	.	.	X WF	.	.	.	.	.	.	.	.	.
131500.	.	.	X WF	.	.	.	.	.	.	.	.	.
1505.	.	.	XWF	.	.	.	.	.	.	.	.	.
1510.	.	.	XWF	.	.	.	.	.	.	.	.	.
1515.	.	.	XWF	.	.	.	.	.	.	.	.	.
1520.	.	.	XWF	.	.	.	.	.	.	.	.	.
1525.	.	.	XWF	.	.	.	.	.	.	.	.	.
1530.	.	.	XWF	.	.	.	.	.	.	.	.	.
1535.	.	.	XF	.	.	.	.	.	.	.	.	.
1540.	.	.	XF	.	.	.	.	.	.	.	.	.
1545.	.	.	XF	.	.	.	.	.	.	.	.	.
1550.	.	.	XF	.	.	.	.	.	.	.	.	.
1555.	.	.	XF	.	.	.	.	.	.	.	.	.
1560.	.	.	X	.	.	.	.	.	.	.	.	.
1565.	.	.	X	.	.	.	.	.	.	.	.	.
1570.	.	.	X	.	.	.	.	.	.	.	.	.
1575.	.	.	X	.	.	.	.	.	.	.	.	.

X1 482.000 16.000 4000.000 1418.000 75.000 75.000 75.000 0.0 0.0 0.0



NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

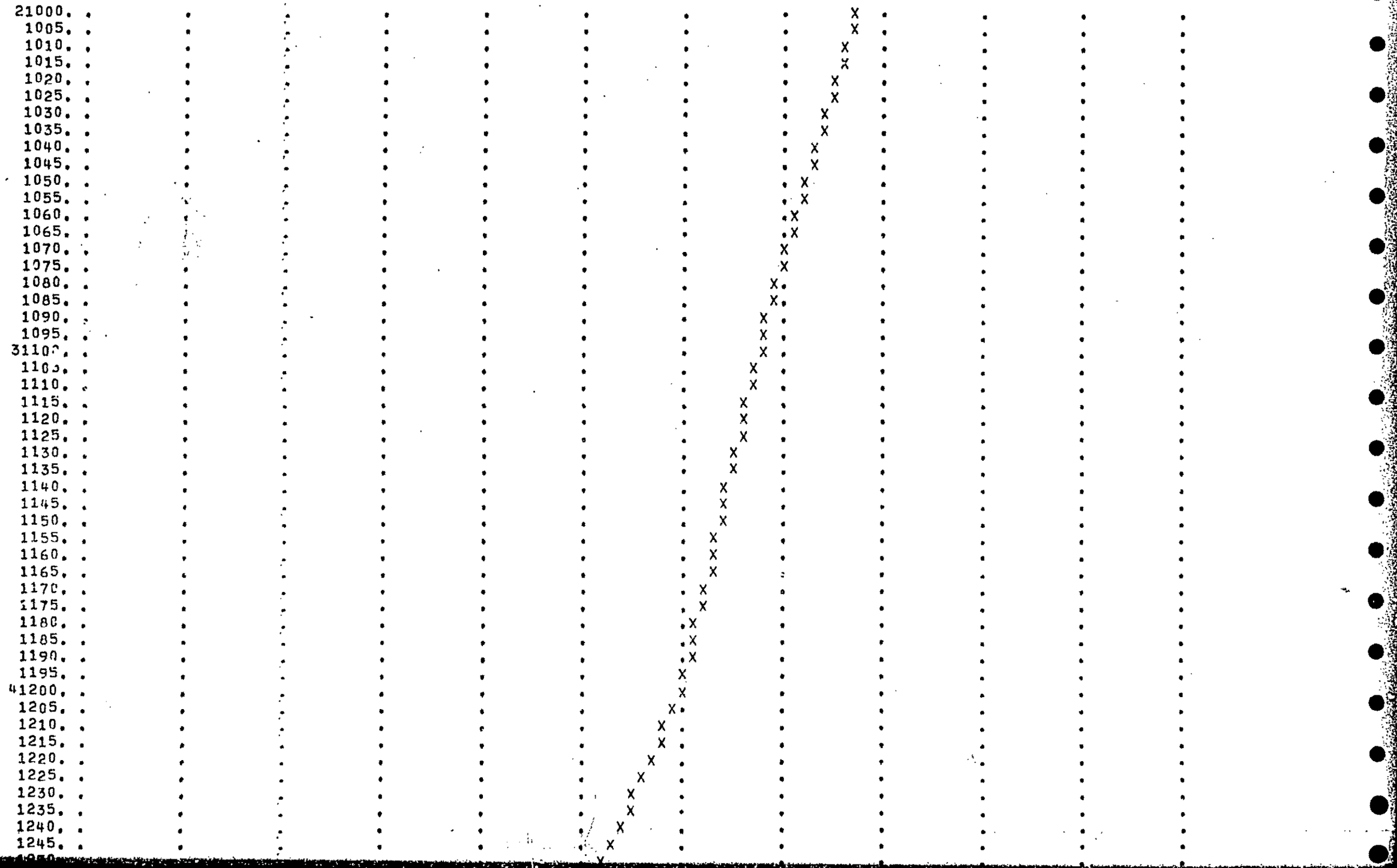
674.10	1000.00	672.90	1100.00	670.10	1200.00	663.60	1271.00	663.60	1300.00
665.30	1400.00	660.60	1407.00	660.00	1411.00	660.50	1415.00	665.30	1418.00
663.40	1442.00	663.70	1500.00	665.50	1600.00	667.00	1648.00	672.20	1700.00
682.40	1775.00								

CROSS SECTION 350.00
STREAM 10 YEAR FLOOD WATER SURF
DISCHARGE= 450.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 660. 662. 664. 666. 668. 670. 672. 674. 676. 678. 680.

STA-FEET



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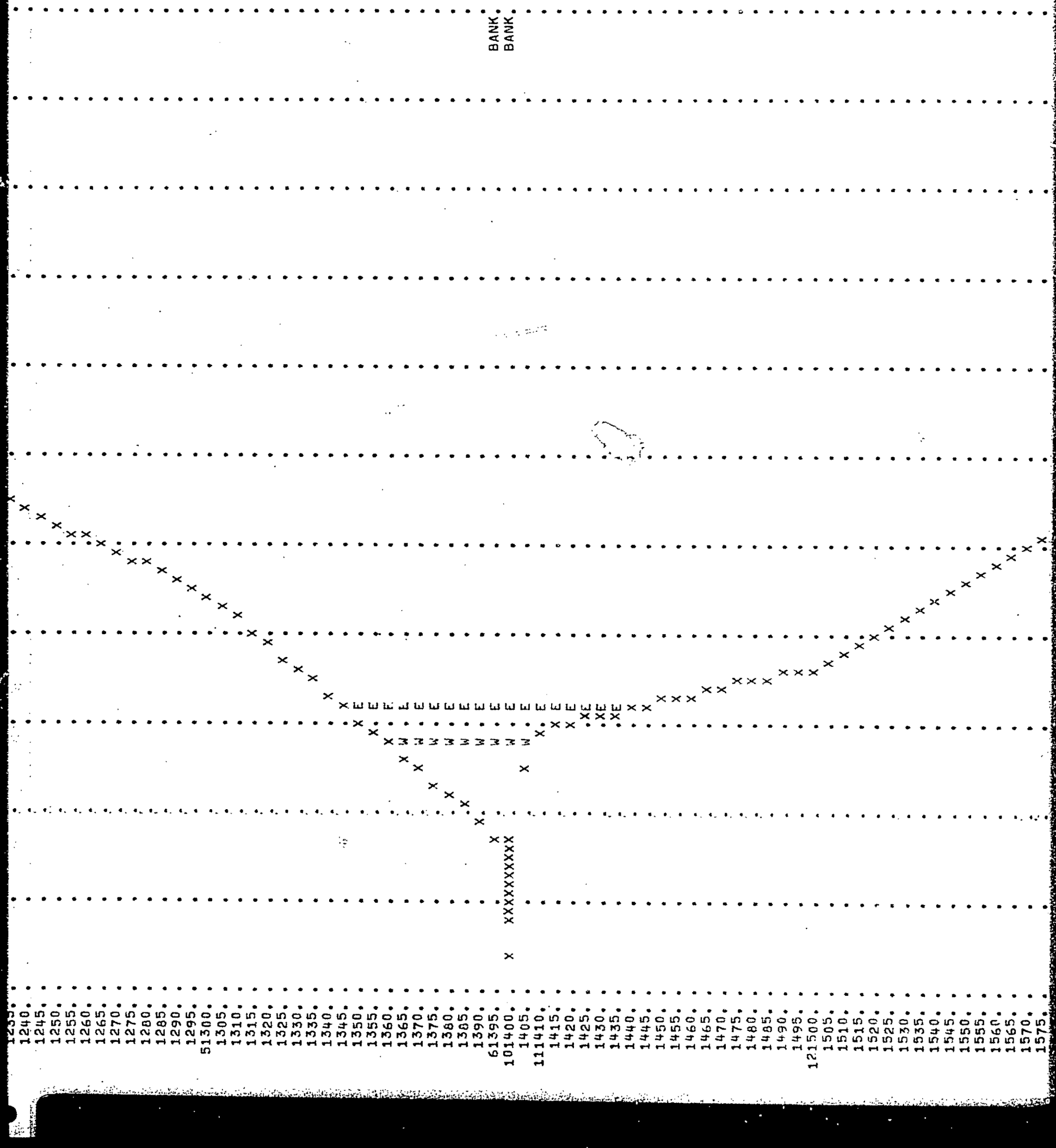
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61395.
101400.
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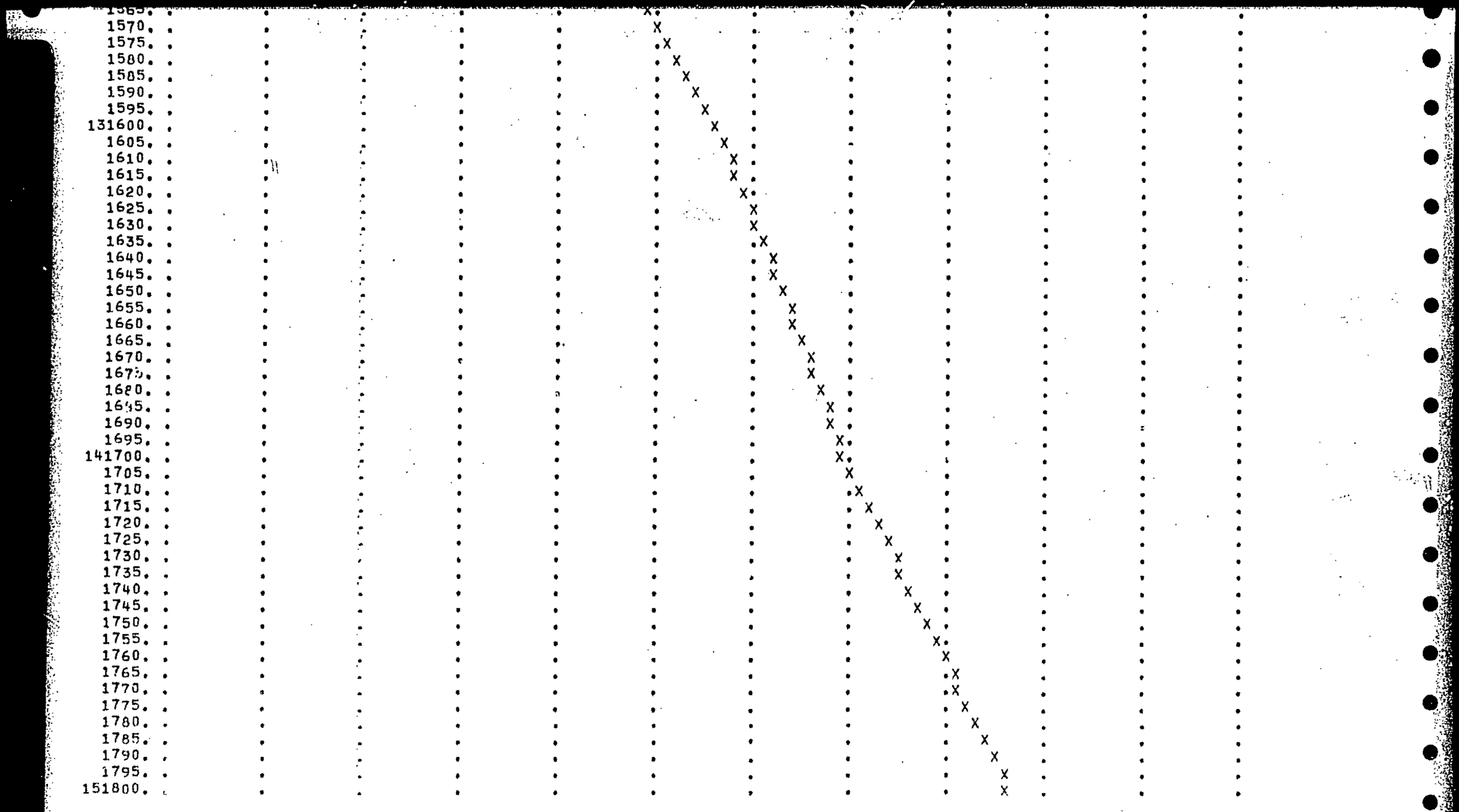
1575.

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED



NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	663.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

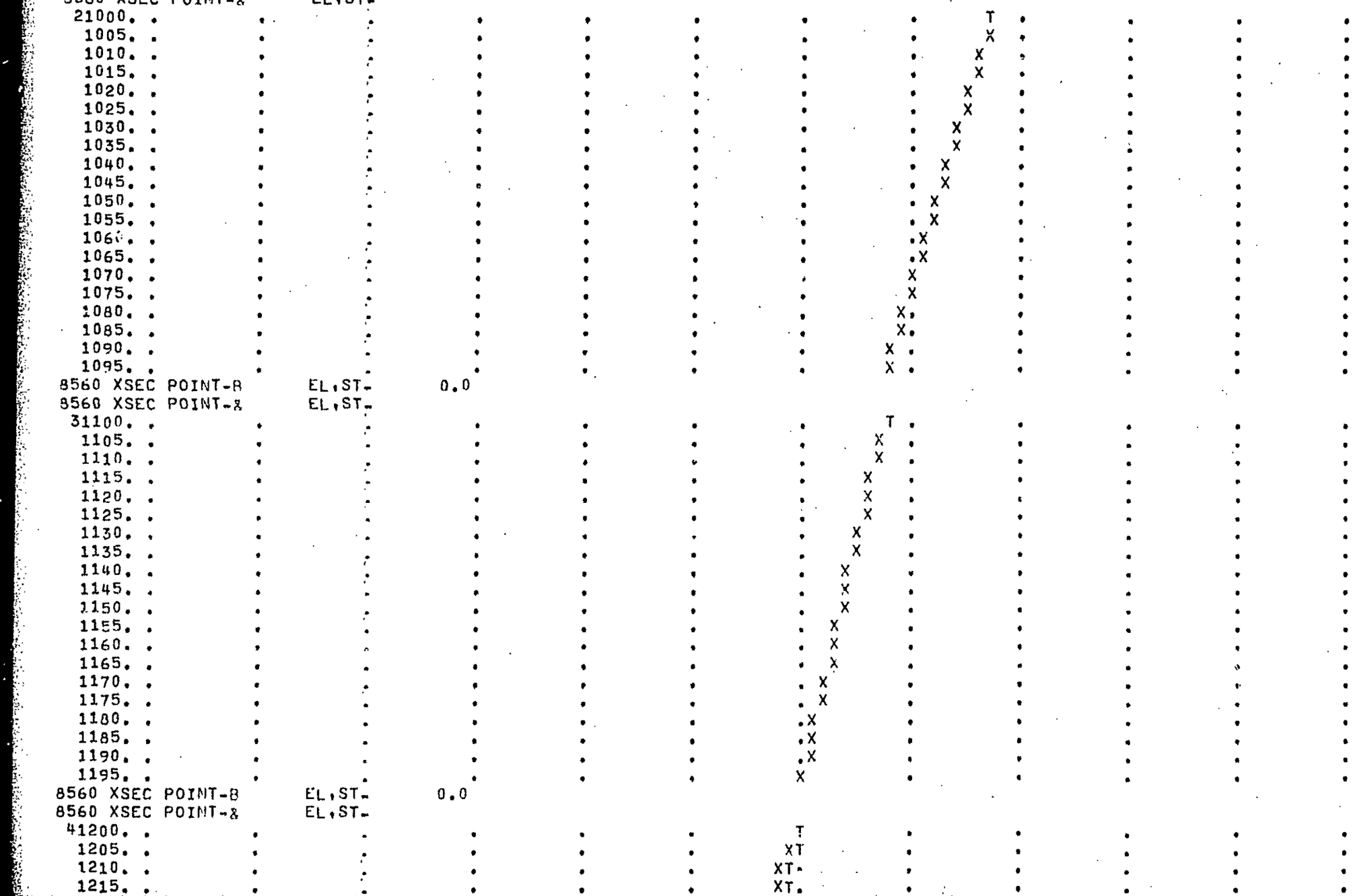
CROSS SECTION 407.00
STREAM 10 YEAR FLOOD WATER SURF
DISCHARGE= 450.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV 660. 662. 664. 666. 668. 670. 672. 674. 676. 678. 680.

STA-FEET

8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-



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   1210. .         .         .         .         .         .       XT.         .         .         .         .         .
   1215. .         .         .         .         .         .       XT.         .         .         .         .         .
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   1225. .         .         .         .         .         .     X  T.         .         .         .         .         .
   1230. .         .         .         .         .         .    X  T .         .         .         .         .         .
   1235. .         .         .         .         .         .    X  T .         .         .         .         .         .
   1240. .         .         .         .         .         .   X   T .         .         .         .         .         .
   1245. .         .         .         .         .         .  XW   T .         .         .         .         .         .
   1250. .         .         .         .         .         . X W  T  .         .         .         .         .         .
   1255. .         .         .         .         .         .X  W  T  .         .         .         .         .         .
   1260. .         .         .         .         .         .X  W  T  .         .         .         .         .         .
   1265. .         .         .         .         .         X   W T   .         .         .         .         .         .
   1270. .         .         .         .         .        X.   W T   .         .         .         .         .         .
   1275. .         .         .         .         .       X .   W T   .         .         .         .         .         .
   1280. .         .         .         .         .       X .   W T   .         .         .         .         .         .
   1285. .         .         .         .         .      X  .   WT    .         .         .         .         .         .
   1290. .         .         .         .         .     X   .   WT    .         .         .         .         .         .
   1295. .         .         .         .         .    X    .   WT    .         .         .         .         .         .
8560 XSEC POINT-B       EL,ST-      0.0
8560 XSEC POINT-&       EL,ST-
  51300. .         .         .         .         .   X     .   T     .         .         .         .         .         .
   1305. .         .         .         .         .  X      .   T     .         .         .         .         .         .
   1310. .         .         .         .         . X       .   T     .         .         .         .         .         .
   1315. .         .         .         .         X         .   T     .         .         .         .         .         .
   1320. .         .         .         .        X.         .   T     .         .         .         .         .         .
   1325. .         .         .         .      X  .         .   T     .         .         .         .         .         .
   1330. .         .         .         .     X   .         .   T     .         .         .         .         .         .
   1335. .         .         .         .    X    .         .  TW     .         .         .         .         .         .
   1340. .         .         .         .  X      .         .  TW     .         .         .         .         .         .
   1345. .         .         .         . X       .         .  TW     .         .         .         .         .         .
   1350. .         .         .         X         .         .  TW     .         .         .         .         .         .
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   1360. .         .         .       X .         .         .  TW     .         .         .         .         .         .
   1365. .         .         .     X   .         .         . T W     .         .         .         .         .         .
   1370. .         .         .    X    .         .         . T W     .         .         .         .         .         .
   1375. .         .         .  X      .         .         . T W     .         .         .         .         .         .
   1380. .         .         . X       .         .         . T W     .         .         .         .         .         .
   1385. .         .         .X        .         .         . T W     .         .         .         .         .         .
   1390. .         .        X.         .         .         . T W     .         .         .         .         .         .
  61395. .         .      B  .         .         .         .T  W     .         .         .         .     BANK.
 101400.     X   XXXXXXXXXX  .     B   .         .         .T  W     .         .         .         .     BANK.
 111405. .C        .         .        B.         .         .T  W     .         .         .         .         .         .
 121410. .C        .         .         .         .         .T  W     .         .         .         .         .         .
 131415. .C        .         .         .         .         .   W     .         .         .         .         .         .
   1420. .         .         .         .         .         .      X  .         .         .         .         .         .
   1425. .         .         .         .         .         .       X .         .         .         .         .         .
   1430. .         .         .         .         .         .       X .         .         .         .         .         .
   1435. .         .         .         .         .         .        X.         .         .         .         .         .
   1440. .         .         .         .         .         .         X         .         .         .         .         .
   1445. .         .         .         .         .         .         X         .         .         .         .         .
   1450. .         .         .         .         .         .         .X        .         .         .         .         .
   1455. .         .         .         .         .         .         . X       .         .         .         .         .
   1460. .         .         .         .         .         .         . X       .         .         .         .         .
   1465. .         .         .         .         .         .         .  X      .         .         .         .         .
   1470. .         .         .         .         .         .         .   X     .         .         .         .         .
   1475. .         .         .         .         .         .         .   X     .         .         .         .         .
   1480. .         .         .         .         .         .         .    X    .         .         .         .         .
   1485. .         .         .         .         .         .         .     X   .         .         .         .         .
   1490. .         .         .         .         .         .         .     X   .         .         .         .         .
   1495. .         .         .         .         .         .         .      X  .         .         .         .         .
8560 XSEC POINT-B       EL,ST-      0.0
8560 XSEC POINT-&       EL,ST-
 141500. .C        .         .         .         .         .   W     .         .         .         .         .         .
   1505. .         .         .         .         .         .         .         X         .         .         .         .
   1510. .         .         .         .         .         .         .         .X        .         .         .         .
   1515. .         .         .         .         .         .         .         . X       .         .         .         .
   1520. .         .         .         .         .         .         .         .  X      .         .         .         .
   1525. .         .         .         .         .         .         .         .   X     .         .         .         .
   1530. .         .         .         .         .         .         .         .    X    .         .         .         .
   1565. .         .         .         .         .         .X        .         .         .         .         .         .
   1570. .         .         .         .         .         . X       .         .         .         .         .         .
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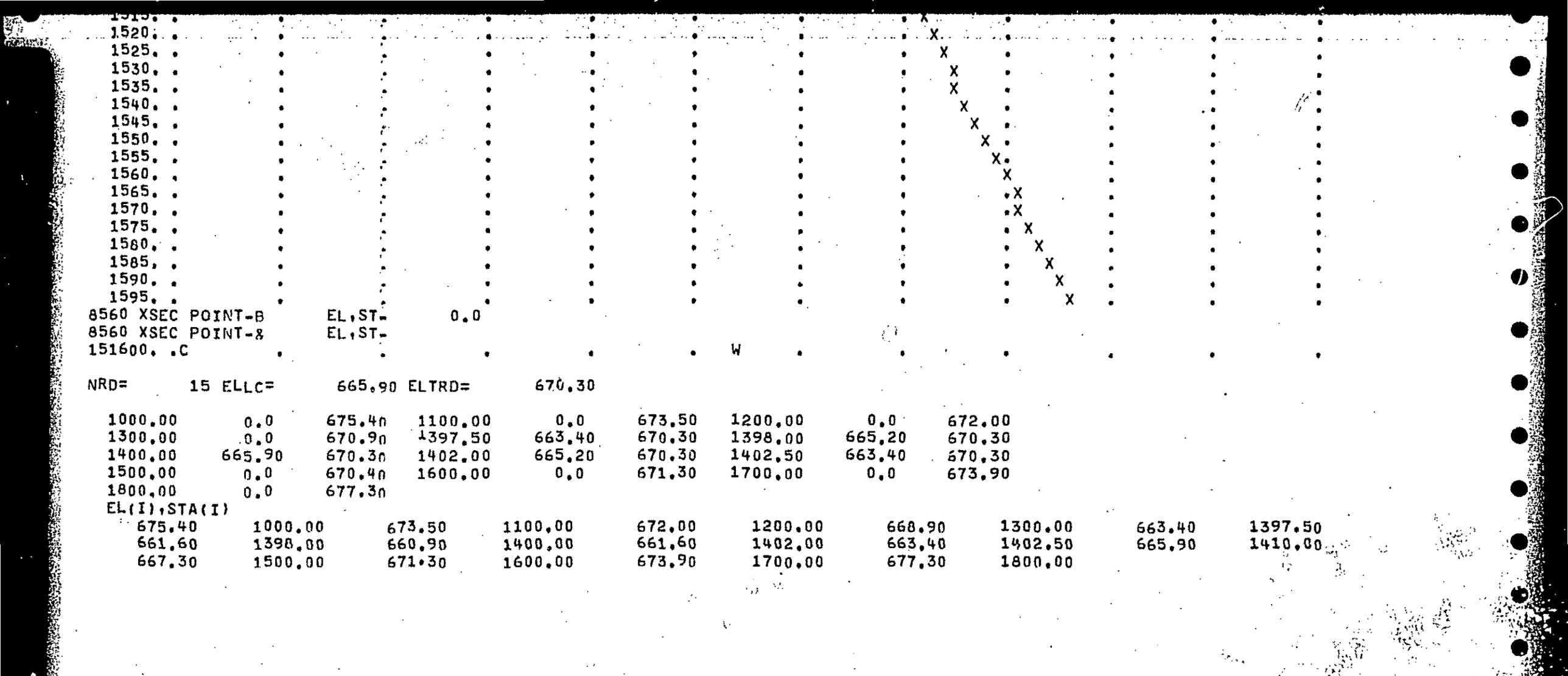

8560 XSEC POINT-B EL,ST= 0.0
8560 XSEC POINT-& EL,ST=
151600, .C

NRD= 15 ELLC= 665.90 ELTRD= 670.30

1000.00	0.0	675.40	1100.00	0.0	673.50	1200.00	0.0	672.00
1300.00	0.0	670.90	1397.50	663.40	670.30	1398.00	665.20	670.30
1400.00	665.90	670.30	1402.00	665.20	670.30	1402.50	663.40	670.30
1500.00	0.0	670.40	1600.00	0.0	671.30	1700.00	0.0	673.90
1800.00	0.0	677.30						

EL(I),STA(I)

675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	663.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

CROSS SECTION 275.00
STREAM 50 YEAR FLOOD WATER SURF
DISCHARGE= 770.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
 1235.                                X
 1240.                               X
 1245.                              X
 1250.                             X
 1255.                            XE
 1260.                           XWE
 1265.                          X WE
51270.                         X   WE
 1275.                         X   WE
 1280.                         X   WE
 1285.                         X   WE
 1290.                         X   WE
 1295.                         X   WE
61300.                         X   WE
 1305.                         X   WE
 1310.                          X WE
 1315.                          X WE
 1320.                          X WE
 1325.                          X WE
 1330.                          X WE
 1335.                          X WE
 1340.                           XWE
 1345.                           XWE
 1350.                           XWE
 1355.                           XWE
 1360.                           XWE
 1365.                           XWE
 1370.                            XE
 1375.                            XE
 1380.                            XE
 1385.                            XE
 1390.                            XE
 1395.                            XE
71400.                             X                                BANK.
81405.          X                 WE
91410.         X                  WE
101415.         X                 WE
111420.                            X                                BANK.
 1425.                            XE
 1430.                           XWE
 1435.                          X WE
121440.                        X   WE
 1445.                         X   WE
 1450.                         X   WE
 1455.                         X   WE
 1460.                         X   WE
 1465.                         X   WE
 1470.                         X   WE
 1475.                         X   WE
 1480.                         X   WE
 1485.                         X   WE
 1490.                         X   WE
 1495.                         X   WE
131500.                        X   WE
 1505.                          X WE
 1510.                          X WE
 1515.                          X WE
 1520.                          X WE
 1525.                          X WE
 1530.                          X WE
 1535.                           XWE
 1540.                           XWE
 1545.                           XWE
 1550.                           XWE
 1555.                           XWE
 1560.                            XE
 1565.                            XE
 1570.                            XE
 1575.                            XE

 1520.                                                  X
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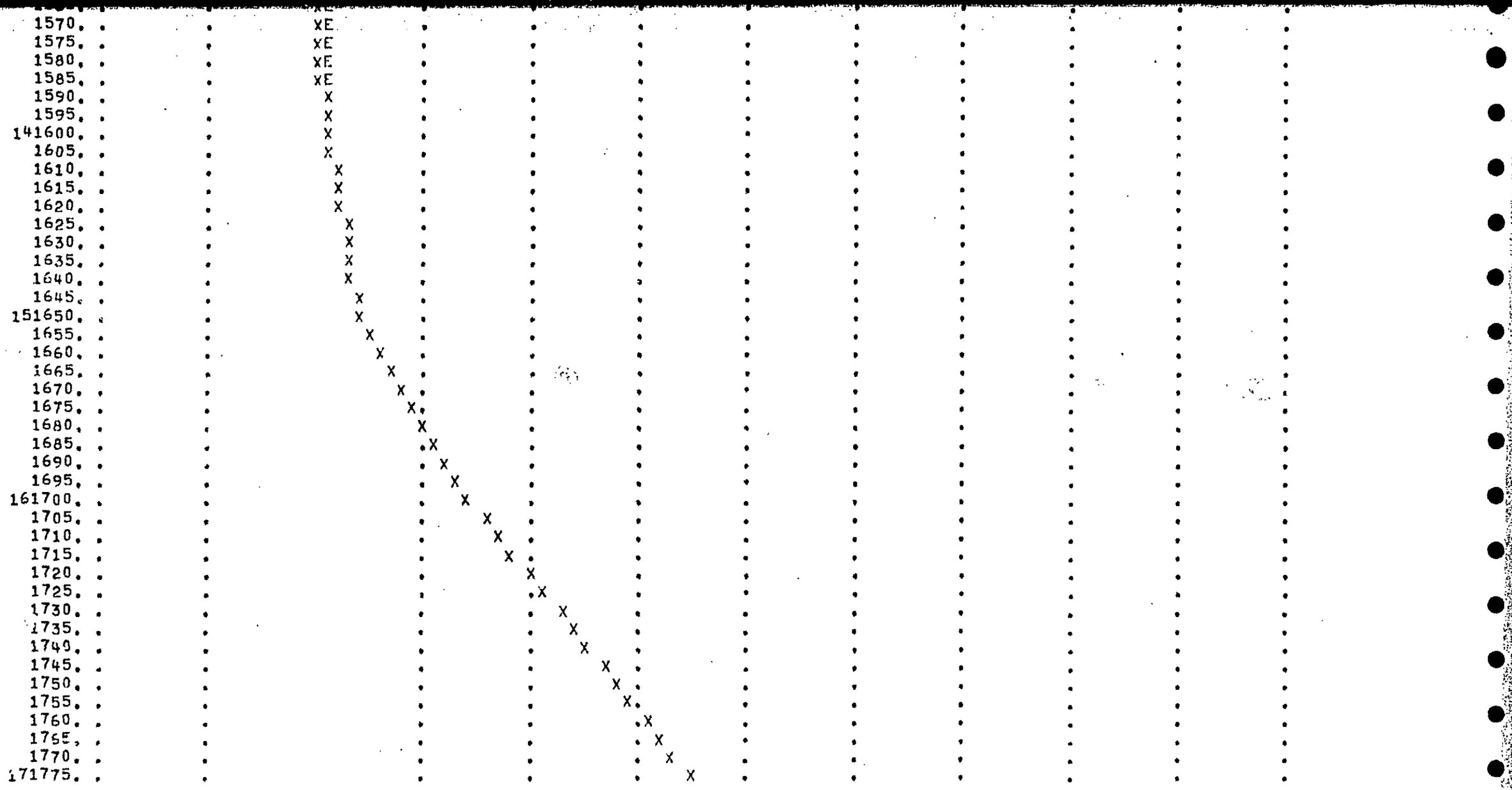


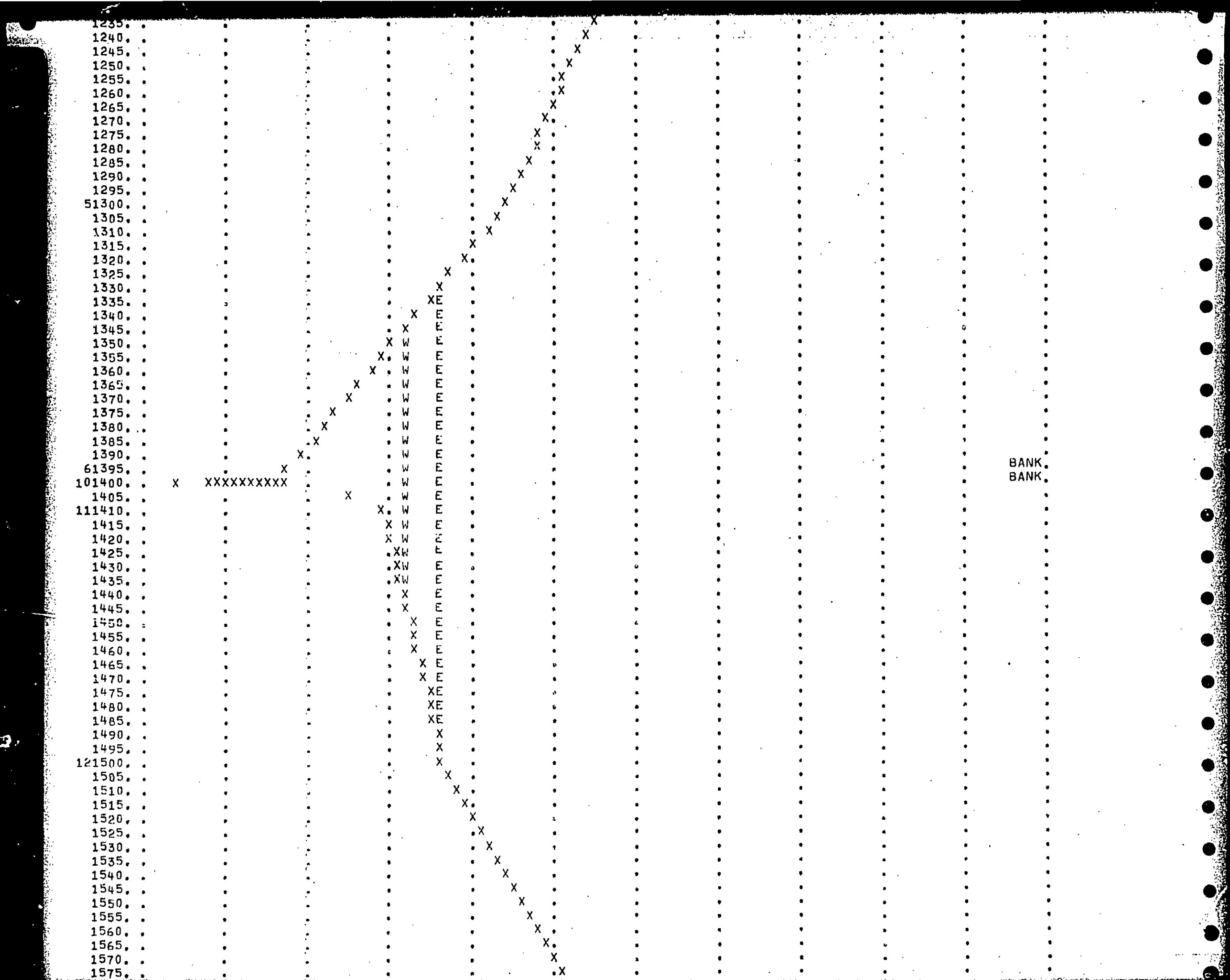
NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

674.10	1000.00	672.90	1100.00	670.10	1200.00	663.60	1271.00	663.60	1300.00
665.30	1400.00	660.60	1407.00	660.00	1411.00	660.50	1415.00	665.30	1418.00
663.40	1442.00	663.70	1500.00	665.50	1600.00	667.00	1648.00	672.20	1700.00
682.40	1775.00								

CROSS SECTION 350.00
STREAM 50 YEAR FLOOD WATER SURF
DISCHARGE= 770.

PLOTTED POINTS (BY PRIORITY).B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL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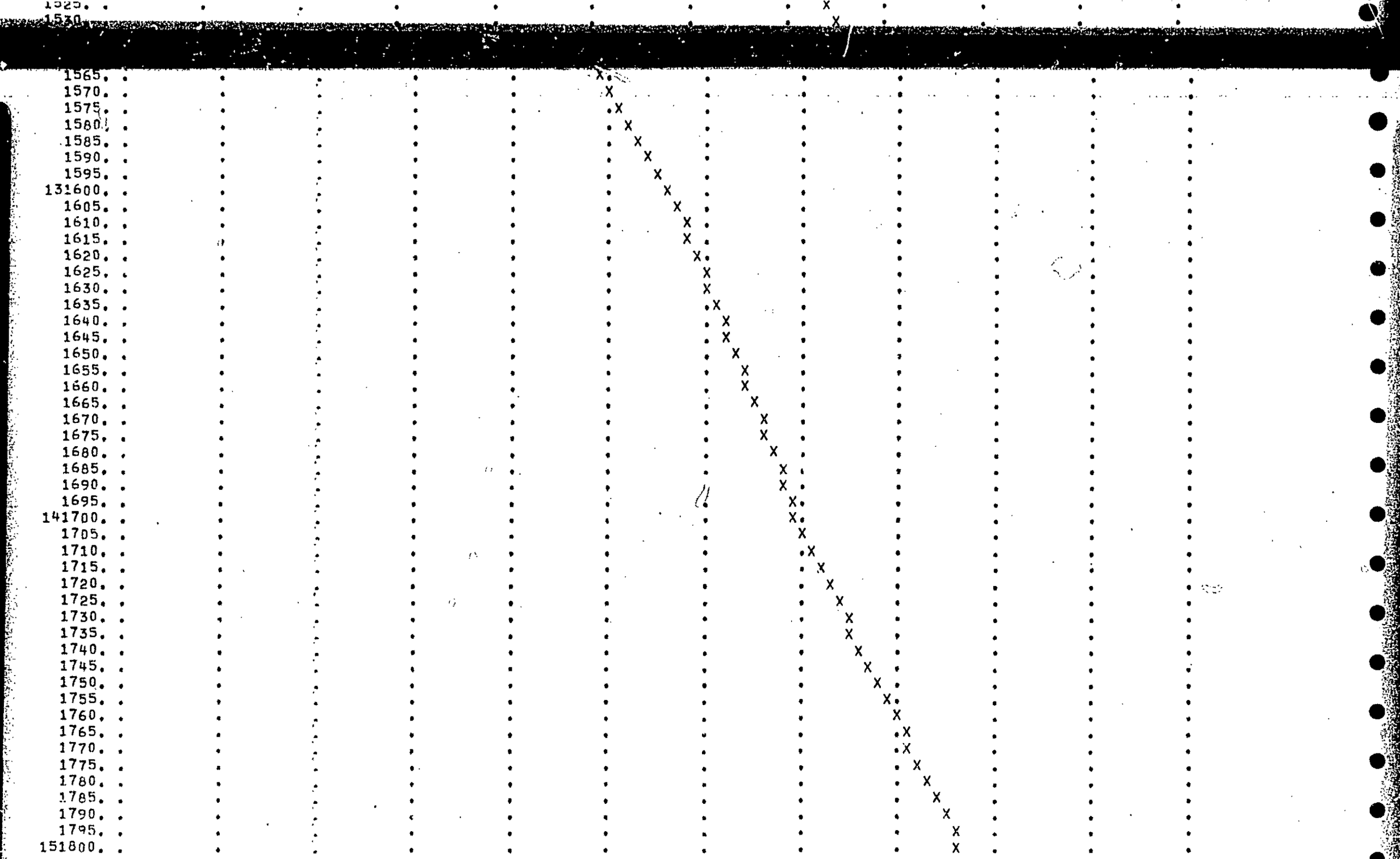

NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	663.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

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CROSS SECTION    407.00
STREAM  50 YEAR FLOOD WATER SURF
DISCHARGE=      770.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV  660.      662.      664.      666.      668.      670.      672.      674.      676.      678.      680.


    STA-FEET

8560 XSEC POINT-B      EL,ST-      0.0
8560 XSEC POINT-&      EL,ST-
 21000. .         .         .         .         .         .         .         .      T  .         .         .         .
  1005. .         .         .         .         .         .         .         .      X  .         .         .         .
  1010. .         .         .         .         .         .         .         .     X   .         .         .         .
  1015. .         .         .         .         .         .         .         .     X   .         .         .         .
  1020. .         .         .         .         .         .         .         .    X    .         .         .         .
  1025. .         .         .         .         .         .         .         .    X    .         .         .         .
  1030. .         .         .         .         .         .         .         .   X     .         .         .         .
  1035. .         .         .         .         .         .         .         .   X     .         .         .         .
  1040. .         .         .         .         .         .         .         .  X      .         .         .         .
  1045. .         .         .         .         .         .         .         .  X      .         .         .         .
  1050. .         .         .         .         .         .         .         . X       .         .         .         .
  1055. .         .         .         .         .         .         .         . X       .         .         .         .
  1060. .         .         .         .         .         .         .         .X        .         .         .         .
  1065. .         .         .         .         .         .         .         .X        .         .         .         .
  1070. .         .         .         .         .         .         .         X         .         .         .         .
  1075. .         .         .         .         .         .         .         X         .         .         .         .
  1080. .         .         .         .         .         .         .        X.         .         .         .         .
  1085. .         .         .         .         .         .         .        X.         .         .         .         .
  1090. .         .         .         .         .         .         .       X .         .         .         .         .
  1095. .         .         .         .         .         .         .       X .         .         .         .         .
8560 XSEC POINT-B      EL,ST-      0.0
8560 XSEC POINT-&      EL,ST-
 31100. .         .         .         .         .         .         .       T .         .         .         .         .
  1105. .         .         .         .         .         .         .      X  .         .         .         .         .
  1110. .         .         .         .         .         .         .      X  .         .         .         .         .
  1115. .         .         .         .         .         .         .     X   .         .         .         .         .
  1120. .         .         .         .         .         .         .     X   .         .         .         .         .
  1125. .         .         .         .         .         .         .     X   .         .         .         .         .
  1130. .         .         .         .         .         .         .    X    .         .         .         .         .
  1135. .         .         .         .         .         .         .    X    .         .         .         .         .
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  1180. .         .         .         .         .         .         .X        .         .         .         .         .
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  1195. .         .         .         .         .         .         X         .         .         .         .         .
8560 XSEC POINT-B      EL,ST-      0.0
8560 XSEC POINT-&      EL,ST-
 41200. .         .         .         .         .         .         T         .         .         .         .         .
  1205. .         .         .         .         .         .        XT         .         .         .         .         .
  1210. .         .         .         .         .         .       XT.         .         .         .         .         .
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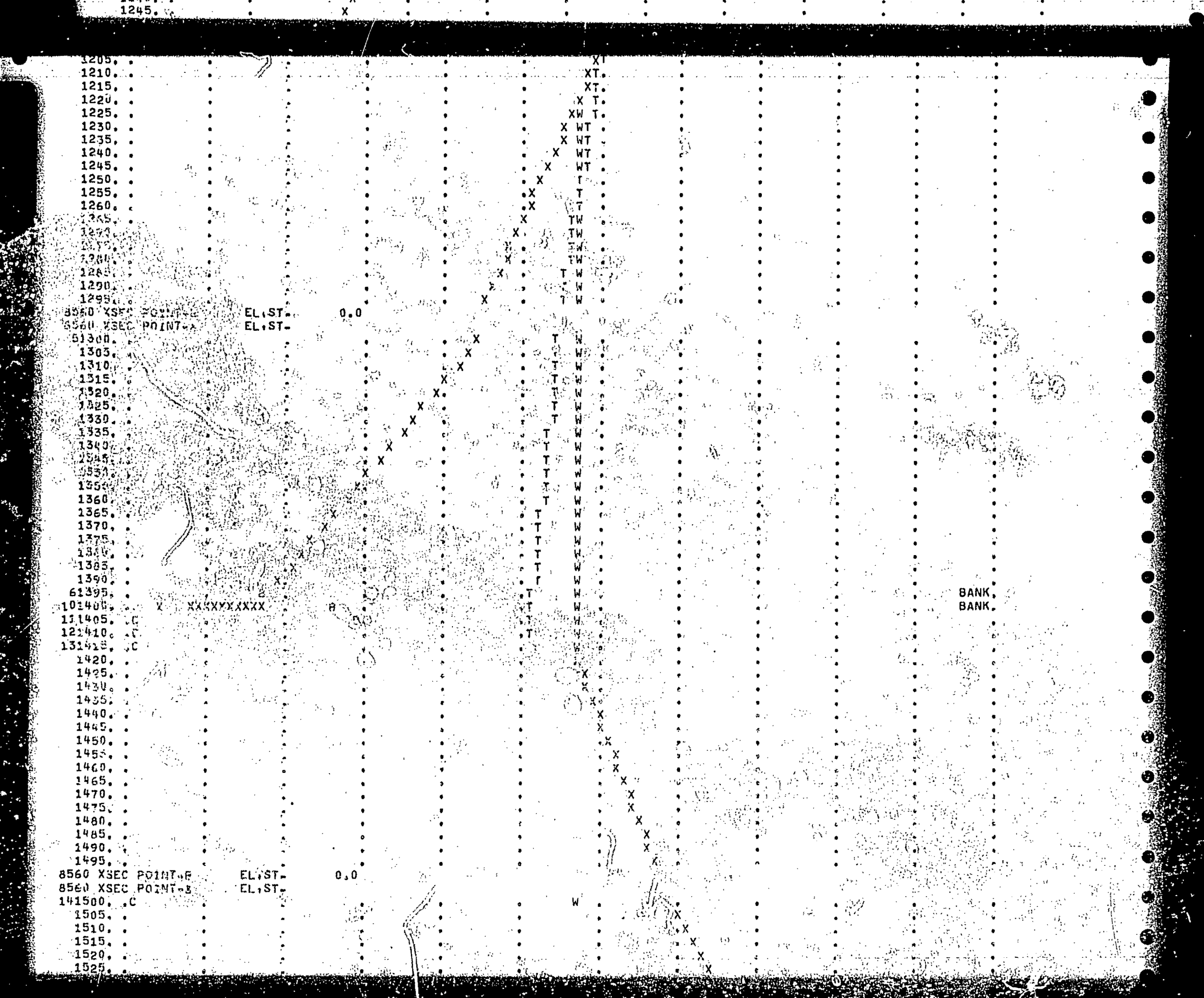
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8560 XSEC POINT-E EL,ST- 0.0
8560 XSEC POINT-A EL,ST-
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8560 XSEC POINT-F EL,ST- 0.0
8560 XSEC POINT-B EL,ST-
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BANK,

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1575. .          .         XE         .          .          .          .          .          .          .          .          .
1520. .          .          .         .          .          .          .          .   X      .          .          .          .
1525. .          .          .         .          .          .          .          .    X     .          .          .          .
1530. .          .          .         .          .          .          .          .     X    .          .          .          .
1535. .          .          .         .          .          .          .          .     X    .          .          .          .
1540. .          .          .         .          .          .          .          .      X   .          .          .          .
1545. .          .          .         .          .          .          .          .       X  .          .          .          .
1550. .          .          .         .          .          .          .          .        X .          .          .          .
1555. .          .          .         .          .          .          .          .         X.          .          .          .
1560. .          .          .         .          .          .          .          .          X          .          .          .
1565. .          .          .         .          .          .          .          .          .X         .          .          .
1570. .          .          .         .          .          .          .          .          .X         .          .          .
1575. .          .          .         .          .          .          .          .          . X        .          .          .
1580. .          .          .         .          .          .          .          .          .  X       .          .          .
1585. .          .          .         .          .          .          .          .          .   X      .          .          .
1590. .          .          .         .          .          .          .          .          .    X     .          .          .
1595. .          .          .         .          .          .          .          .          .     X    .          .          .
8560 XSEC POINT-B      EL,ST-      0.0
8560 XSEC POINT-&      EL,ST-
151600. .C       .          .         .          .          .       W  .          .          .          .          .          .
```

NRD= 15 ELLC= 665.90 ELTRD= 670.30

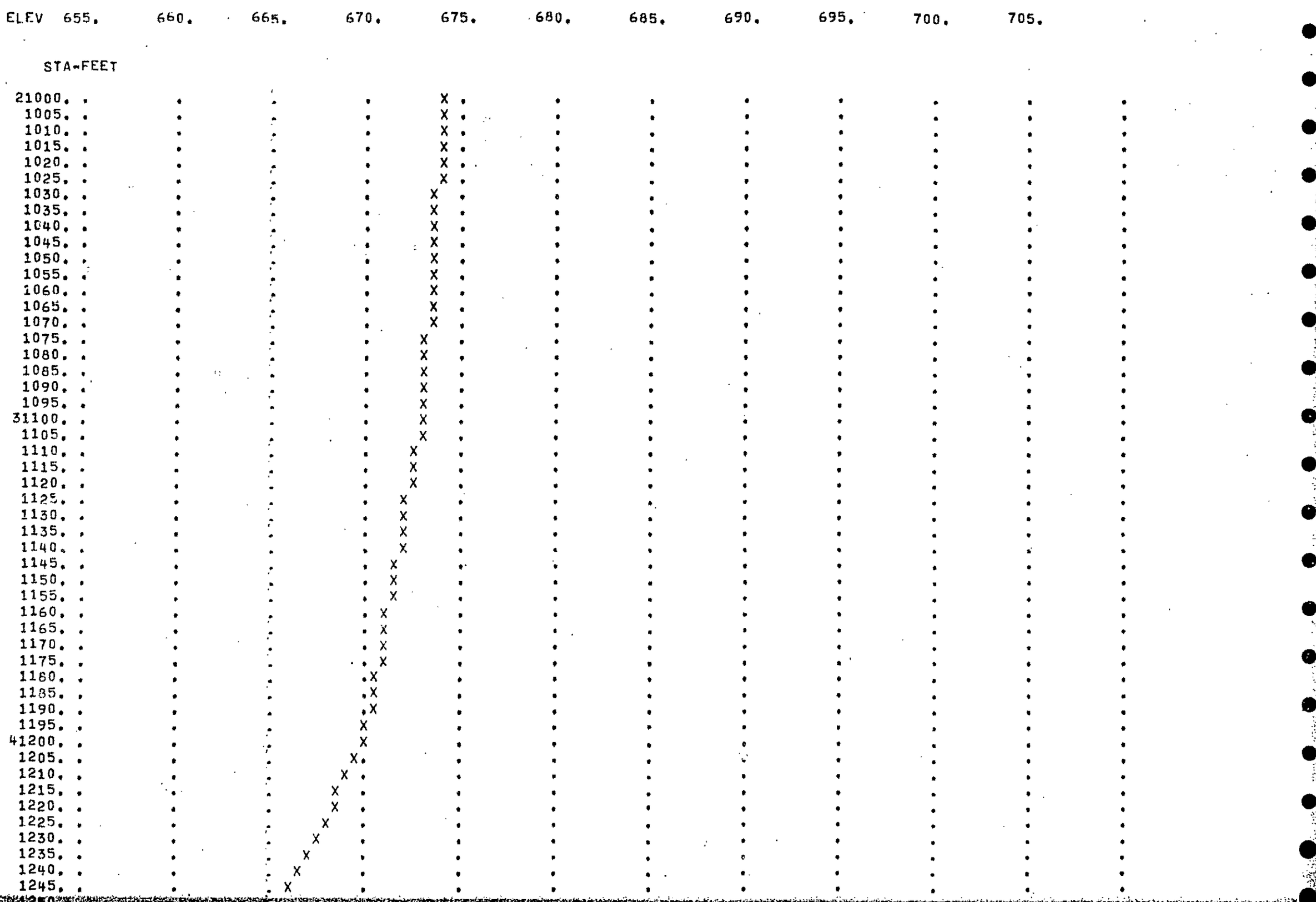
1000.00	0.0	675.40	1100.00	0.0	673.50	1200.00	0.0	672.00
1300.00	0.0	670.90	1397.50	663.40	670.30	1398.00	665.20	670.30
1400.00	665.90	670.30	1402.00	665.20	670.30	1402.50	663.40	670.30
1500.00	0.0	670.40	1600.00	0.0	671.30	1700.00	0.0	673.90
1800.00	0.0	677.30						

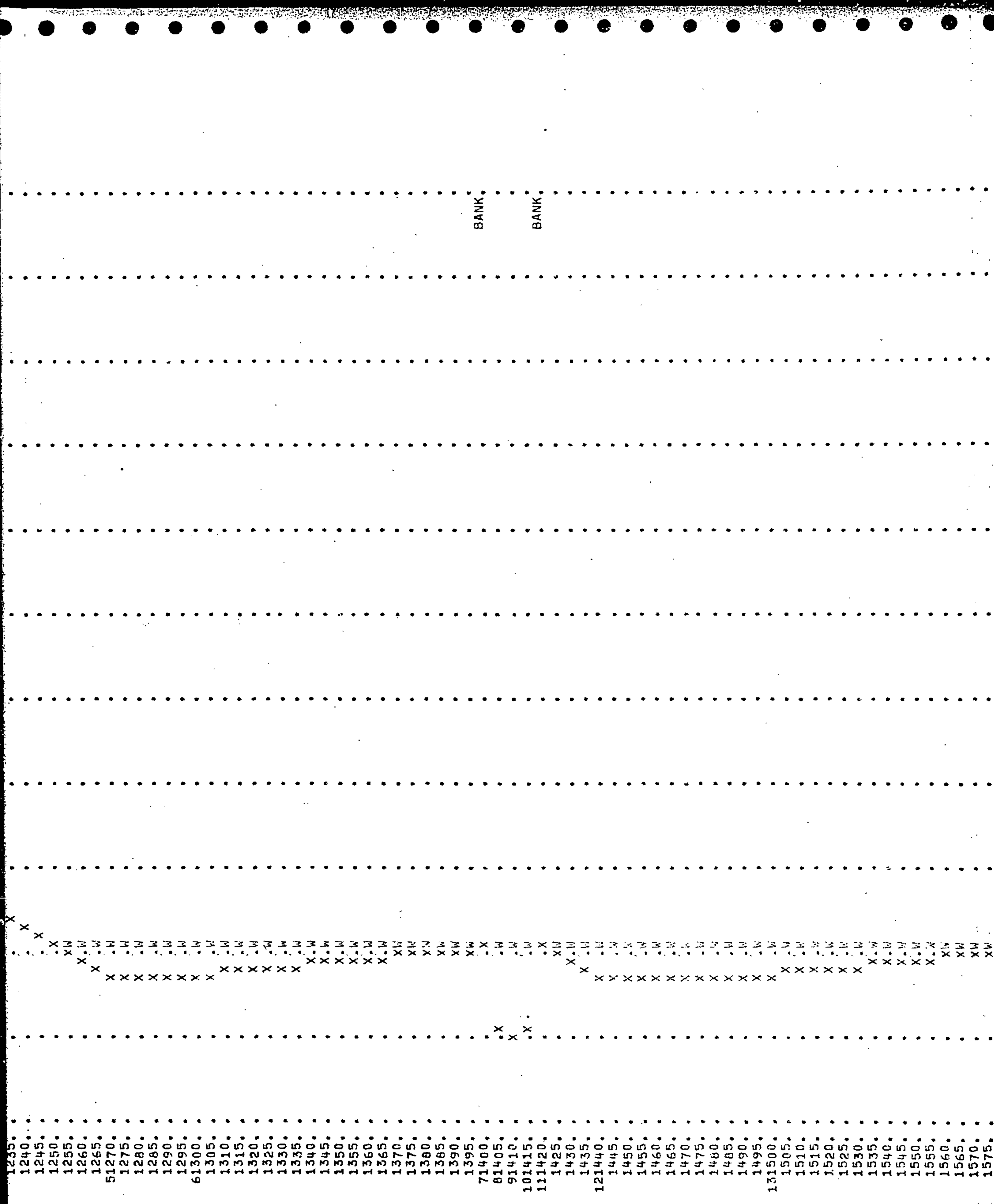
EL(I),STA(I)

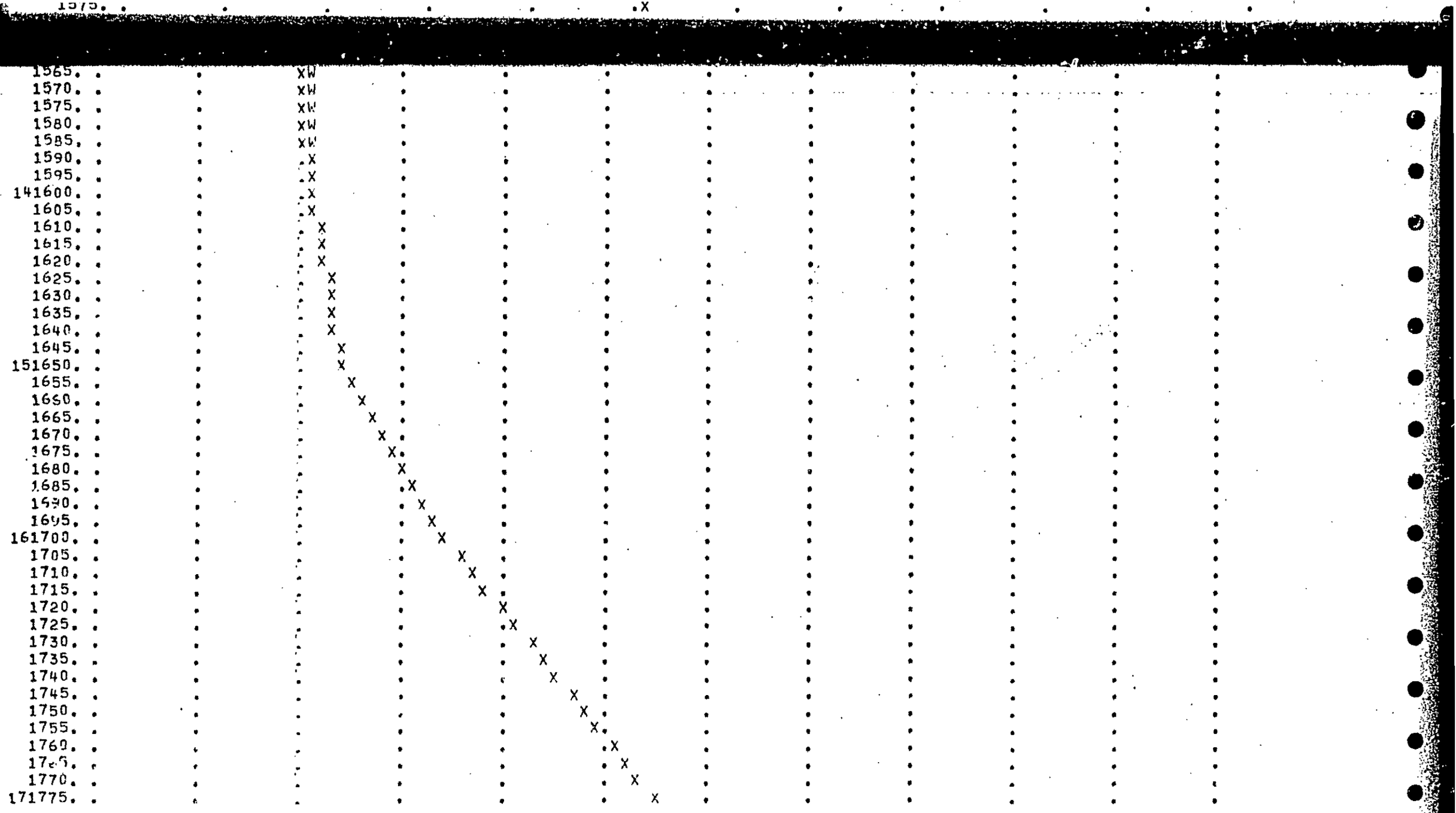
675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	663.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

CROSS SECTION 275.00
STREAM 100 YEAR FLOOD WATER SUR
DISCHARGE= 970.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL




BANK
BANK
1235. 1240. 1245. 1250. 1255. 1260. 1265. 51270. 1275. 1280. 1285. 1290. 1295. 61300. 1305. 1310. 1315. 1320. 1325. 1330. 1335. 1340. 1345. 1350. 1355. 1360. 1365. 1370. 1375. 1380. 1385. 1390. 1395. 71400. 81405. 91410. 101415. 111420. 1425. 1430. 1435. 121440. 1445. 1450. 1455. 1460. 1465. 1470. 1475. 1480. 1485. 1490. 1495. 131500. 1505. 1510. 1515. 1520. 1525. 1530. 1535. 1540. 1545. 1550. 1555. 1560. 1565. 1570. 1575.



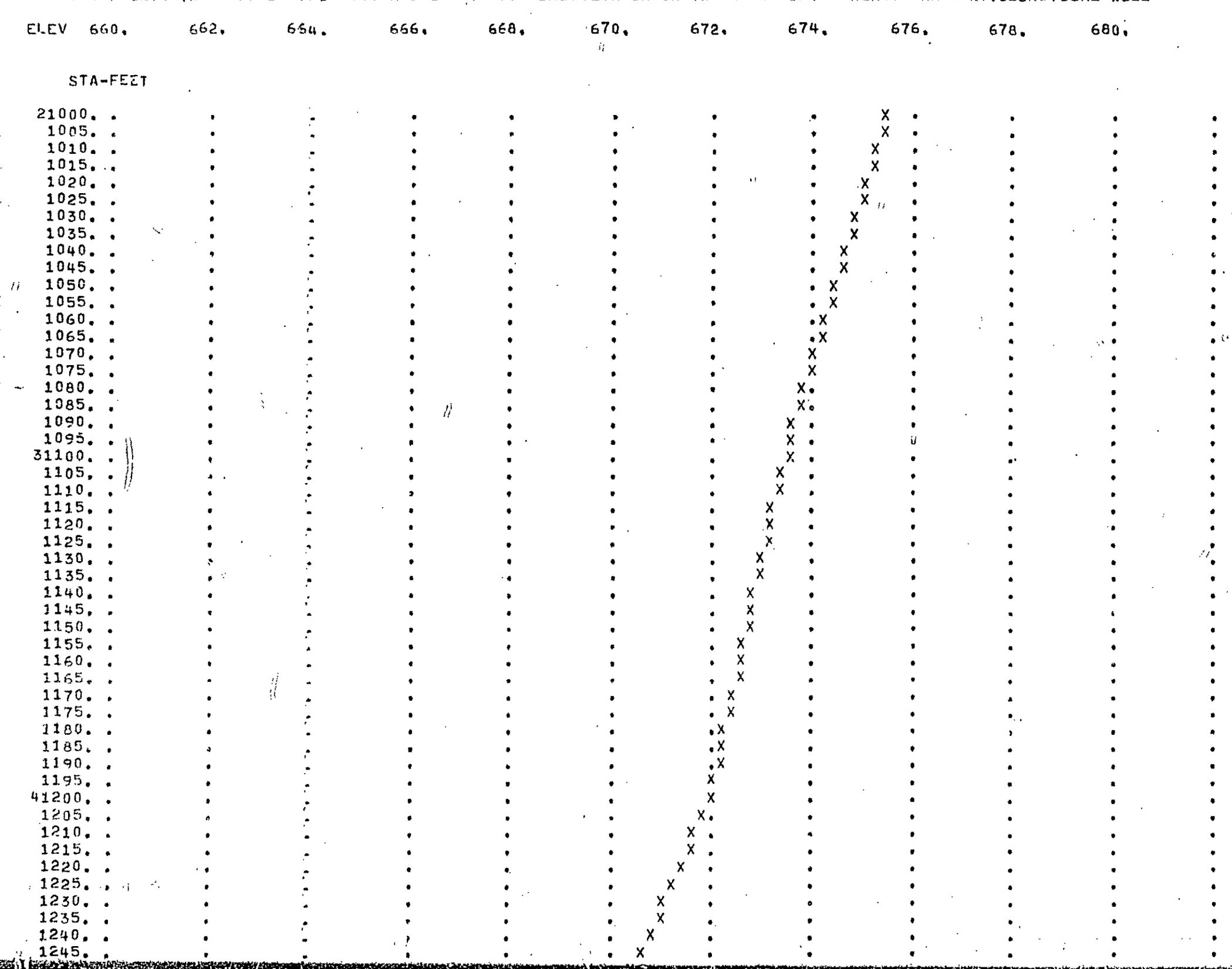
NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

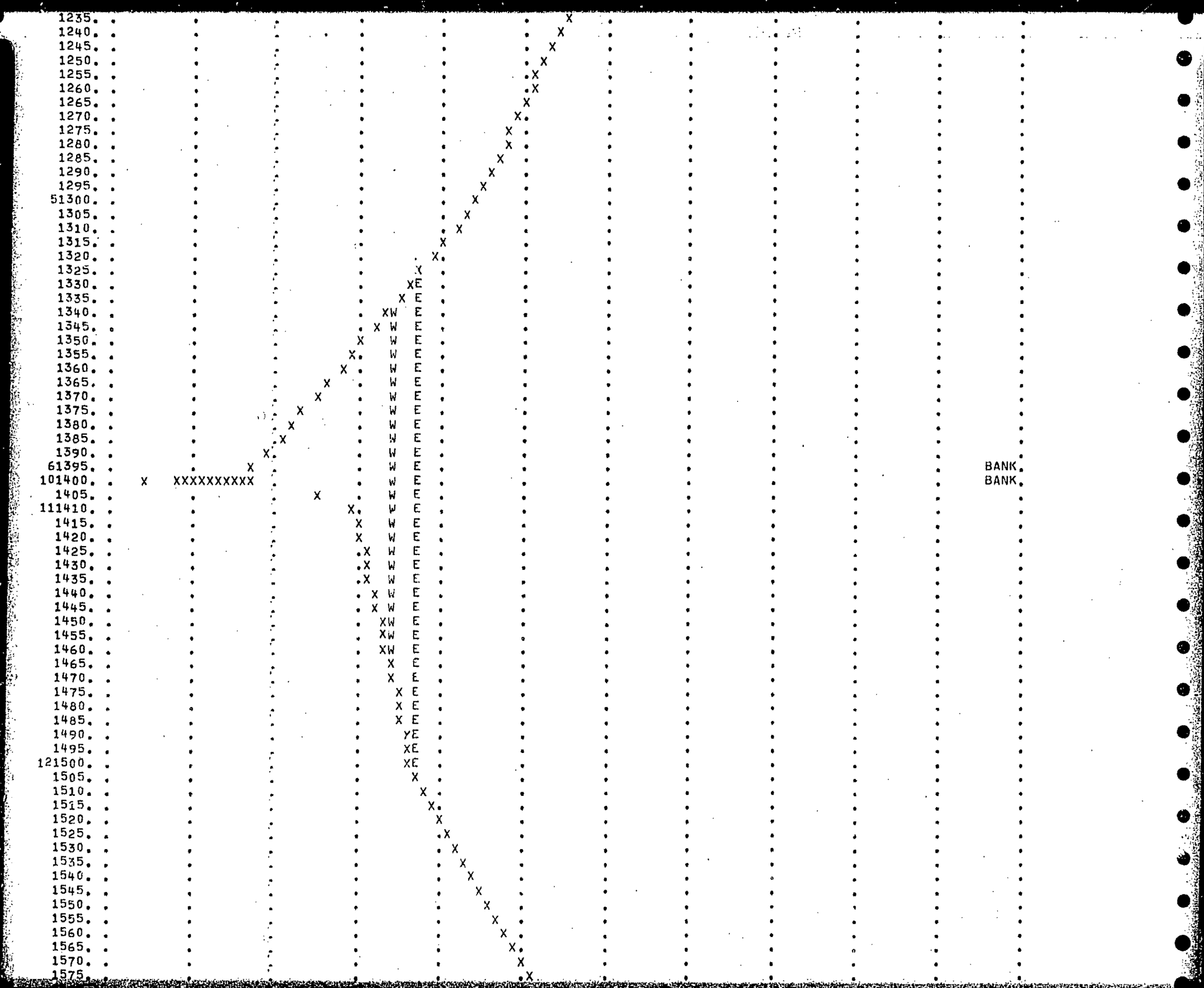
EL(I),STA(I)

674.10	1000.00	672.90	1100.00	670.10	1200.00	663.60	1271.00	663.60	1300.00
665.30	1400.00	660.60	1407.00	660.00	1411.00	660.50	1415.00	665.30	1418.00
663.40	1442.00	663.70	1500.00	665.50	1600.00	667.00	1648.00	672.20	1700.00
682.40	1775.00								

CROSS SECTION 350.00
STREAM 100 YEAR FLOOD WATER SUR
DISCHARGE= 970.

PLOTTED POINTS (BY PRIORITY) B=BOTTOM BRIDGE, T=TOP BRIDGE, X=GROUND, W=WATER SUR, E=ENERGY GRADIENT, C=CRITICAL WSEL

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61395.
101400.
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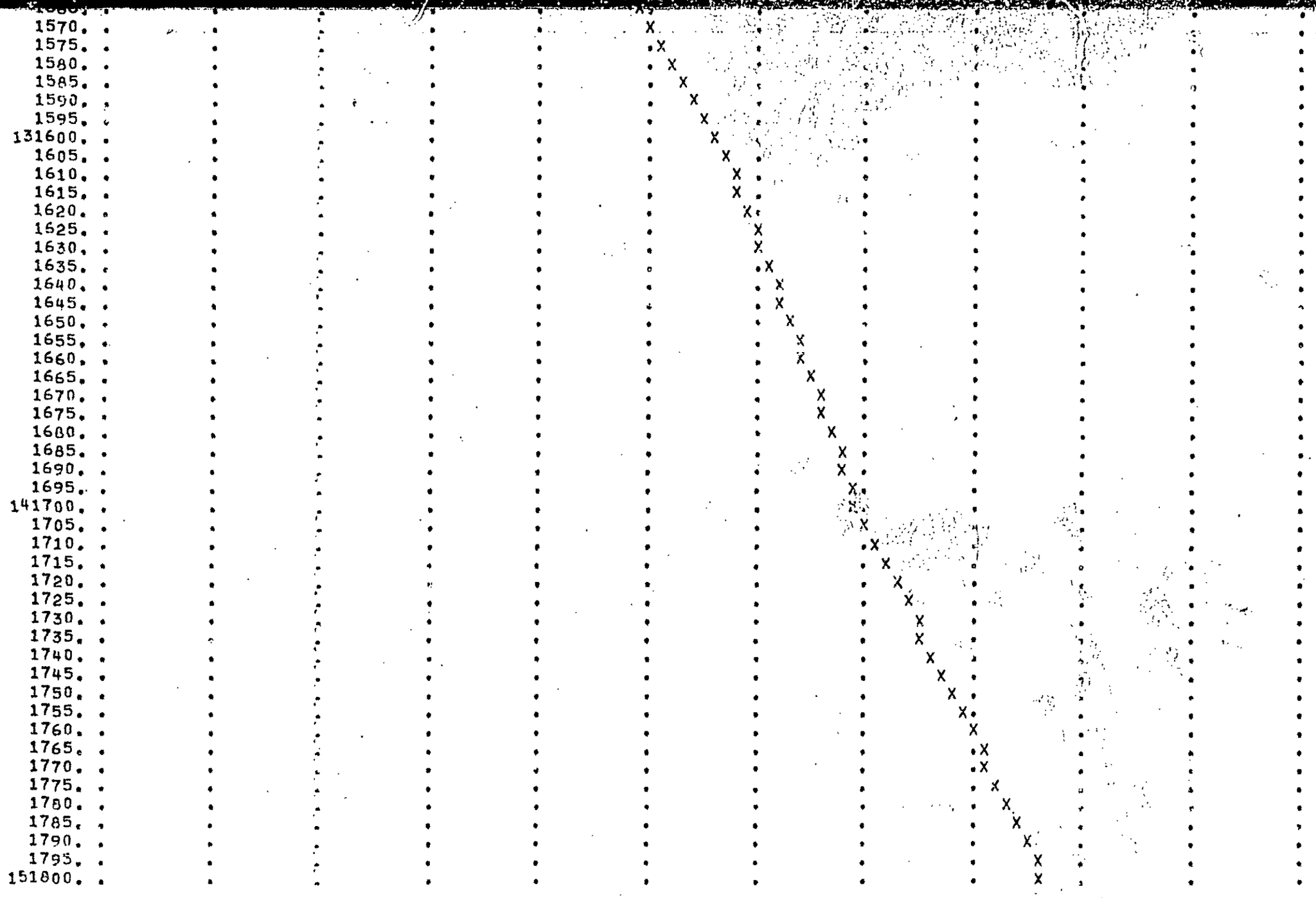
BANK.



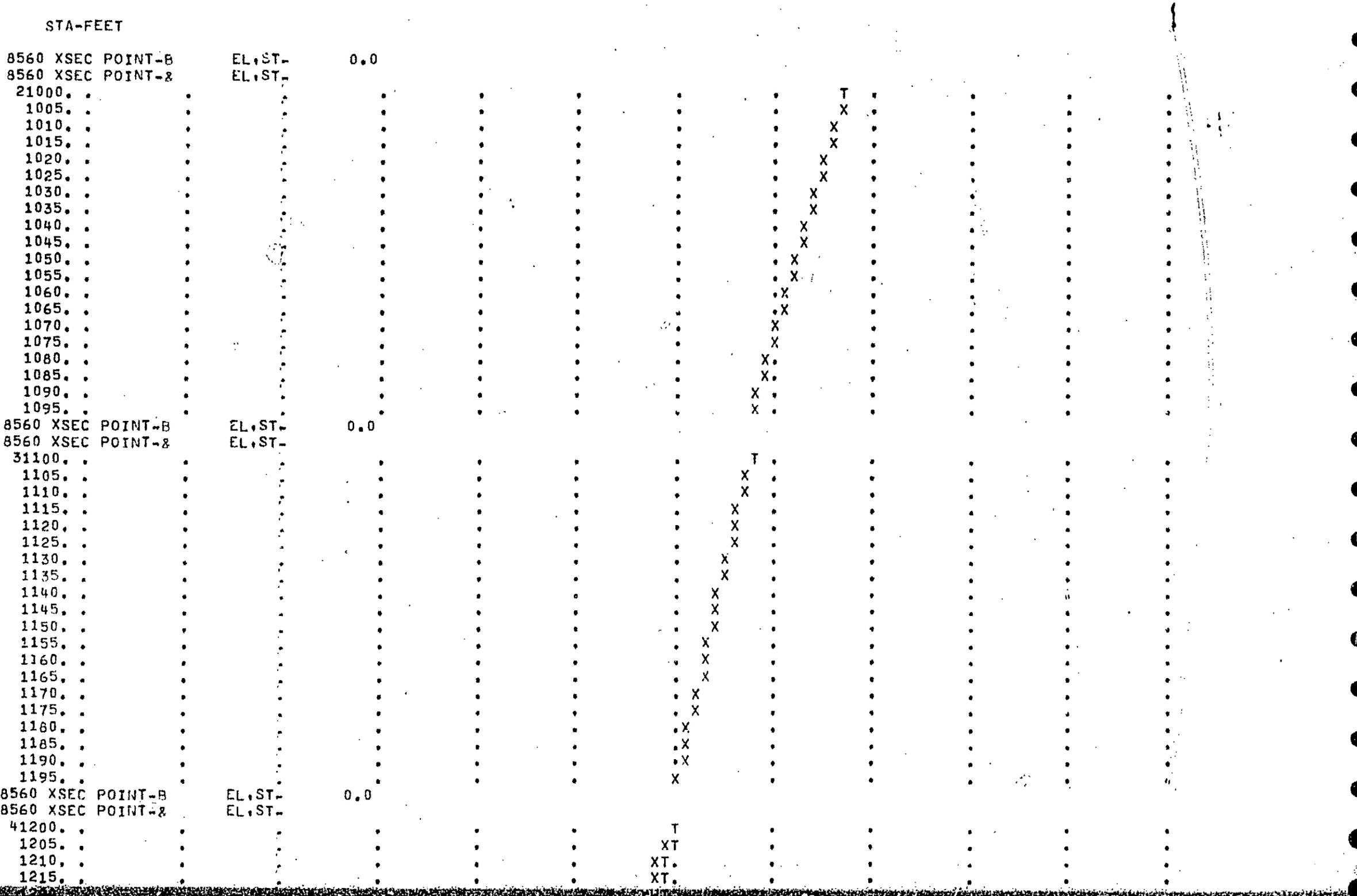
NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

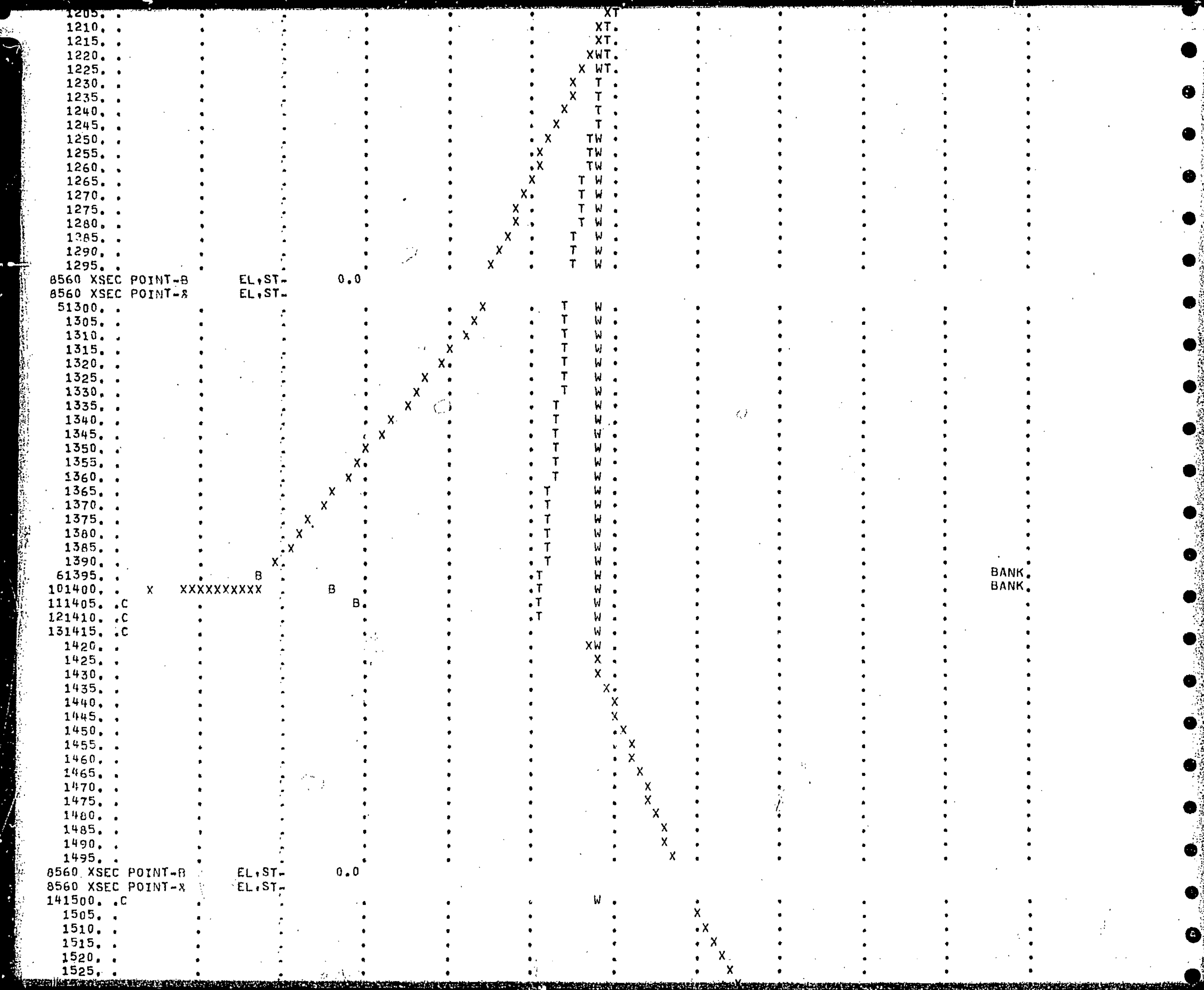
EL(I),STA(I)

675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	662.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

CROSS SECTION 407.00
STREAM 100 YEAR FLOOD WATER SUR
DISCHARGE= 970.

PLOTTED POINTS (BY PRIORITY),B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

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1285.
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1295.
8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-X EL,ST-
51300.
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8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-X EL,ST-
141500.
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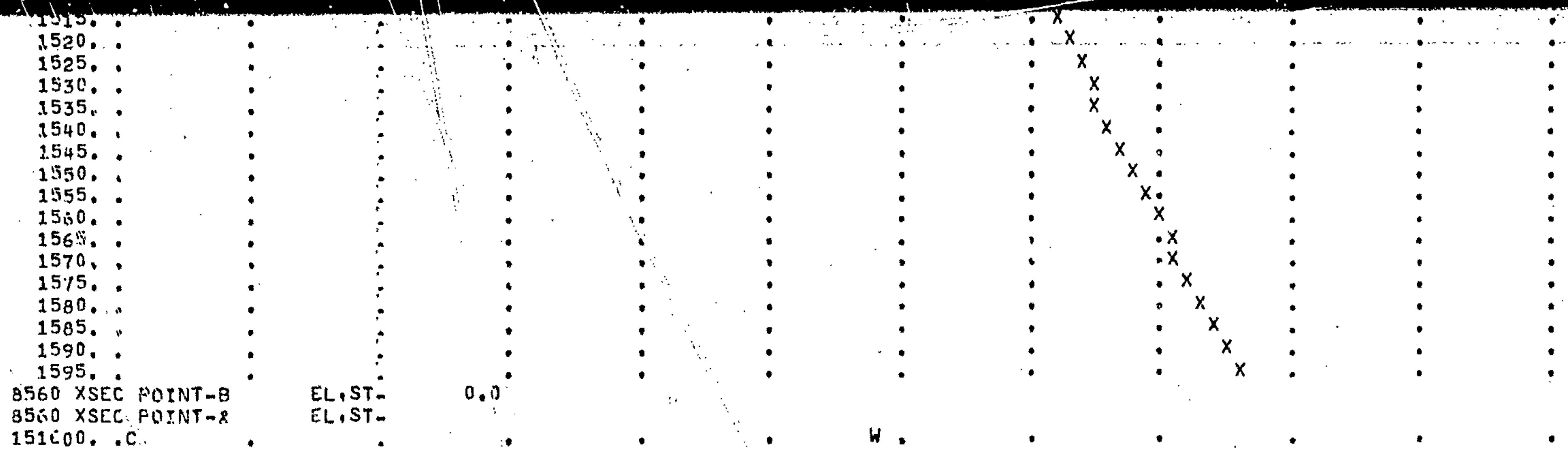
BANK
BANK



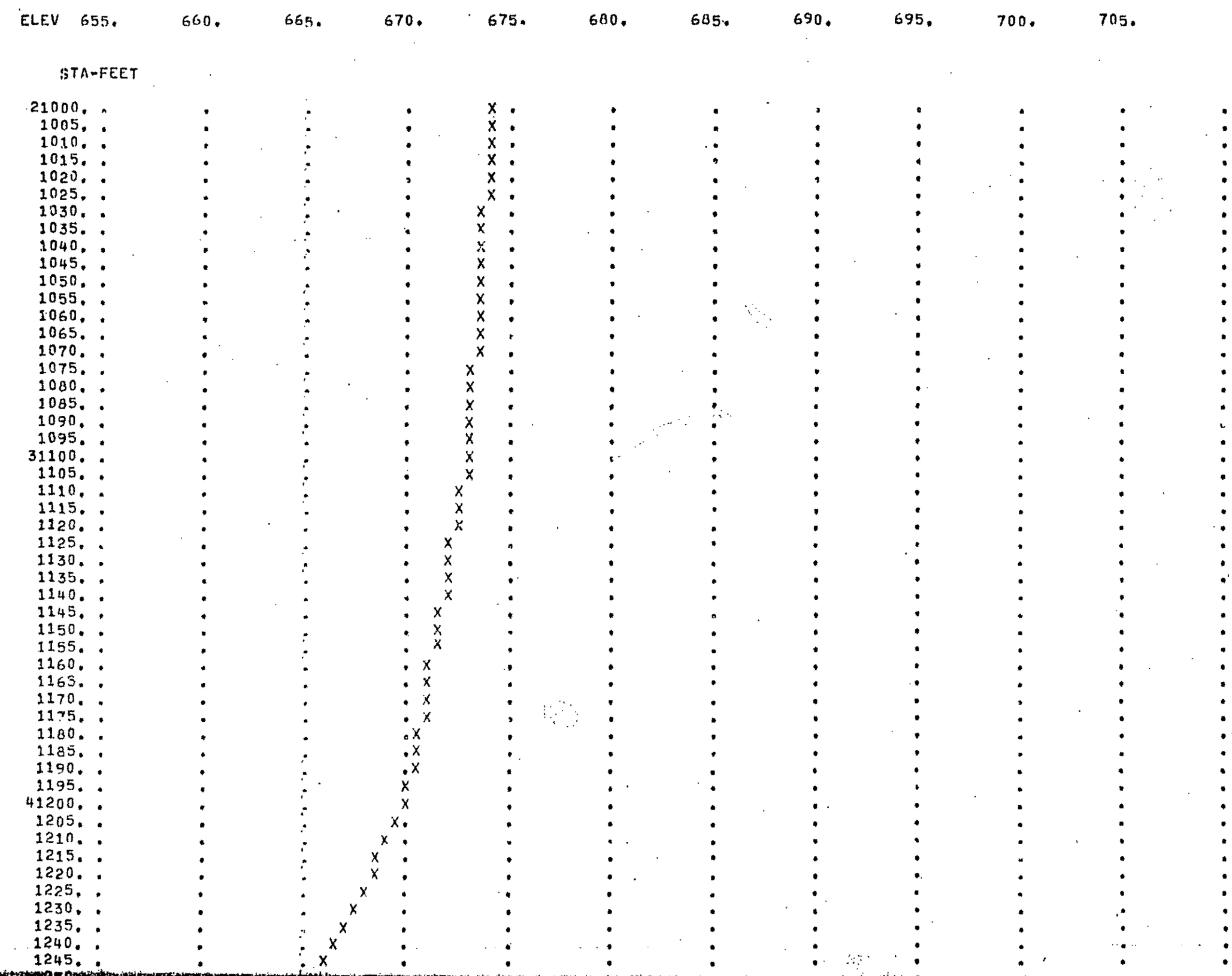

```
NRD=       15 ELLC=       665.90 ELTRD=       670.30

  1000.00       0.0      675.40  1100.00      0.0      673.50  1200.00      0.0      672.00
  1300.00       0.0      670.90  1397.50    663.40     670.30  1398.00    665.20     670.30
  1400.00     665.90     670.30  1402.00    665.20     670.30  1402.50    663.40     670.30
  1500.00       0.0      670.40  1600.00      0.0      671.30  1700.00      0.0      673.90
  1600.00       0.0      677.30
```

```
 EL(I),STA(I)
   675.40     1000.00      673.50     1100.00     672.00     1200.00     668.90     1300.00     663.40     1397.50
   661.60     1396.90      660.90     1400.00     661.60     1402.00     663.40     1402.50     665.90     1410.00
   667.30     1500.00      671.30     1600.00     673.90     1700.00     677.30     1800.00
```

CROSS SECTION 275.00
STREAM 500 YEAR FLOOD WATER SUR
DISCHARGE= 1490.

PLOTTED POINTS (BY PRIORITY).B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL



```
  1235.                  X
  1240.                 X
  1245.                X
  1250.               XW
  1255.              X W
  1260.            X.  W
  1265.           X .  W
 51270.          X  .  W
  1275.          X  .  W
  1280.          X  .  W
  1285.          X  .  W
  1290.          X  .  W
  1295.          X  .  W
 61300.          )  .  W
  1305.          X  .  W
  1310.           X .  W
  1315.           X .  W
  1320.           X .  W
  1325.           X .  W
  1330.           X .  W
  1335.           X .  W
  1340.            X.  W
  1345.            X.  W
  1350.            X.  W
  1355.            X.  W
  1360.            X.  W
  1365.            X.  W
  1370.              X W
  1375.              X W
  1380.              X W
  1385.              X W
  1390.              X W
  1395.              X W
 71400.             .XW                                BANK.
 81405.    .X       .  W
 91410.    X        .  W
101415.    .X       .  W
111420.             .XW                                BANK.
  1425.              X W
  1430.            X.  W
  1435.           X .  W
121440.          X  .  W
  1445.          X  .  W
  1450.          X  .  W
  1455.          X  .  W
  1460.          X  .  W
  1465.          X  .  W
  1470.          X  .  W
  1475.          X  .  W
  1480.          X  .  W
  1485.          X  .  W
  1490.          X  .  W
  1495.          X  .  W
131500.          X  .  W
  1505.           X .  W
  1510.           X .  W
  1515.           X .  W
  1520.           X .  W
  1525.           X .  W
  1530.           X .  W
  1535.            X.  W
  1540.            X.  W
  1545.            X.  W
  1550.            X.  W
  1555.            X.  W
  1560.              X W
  1565.              X W
  1570.              X W
  1575.              X W
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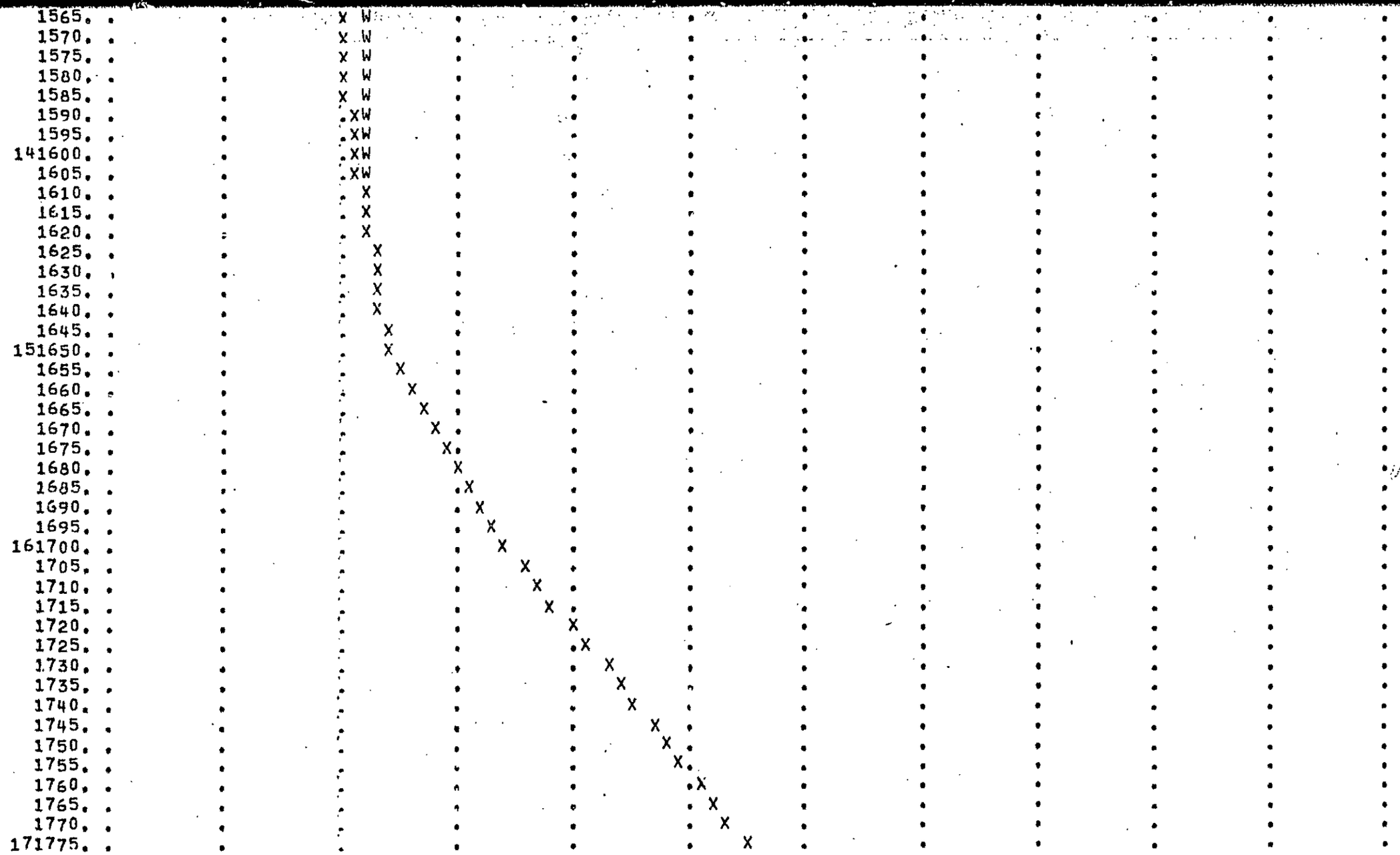


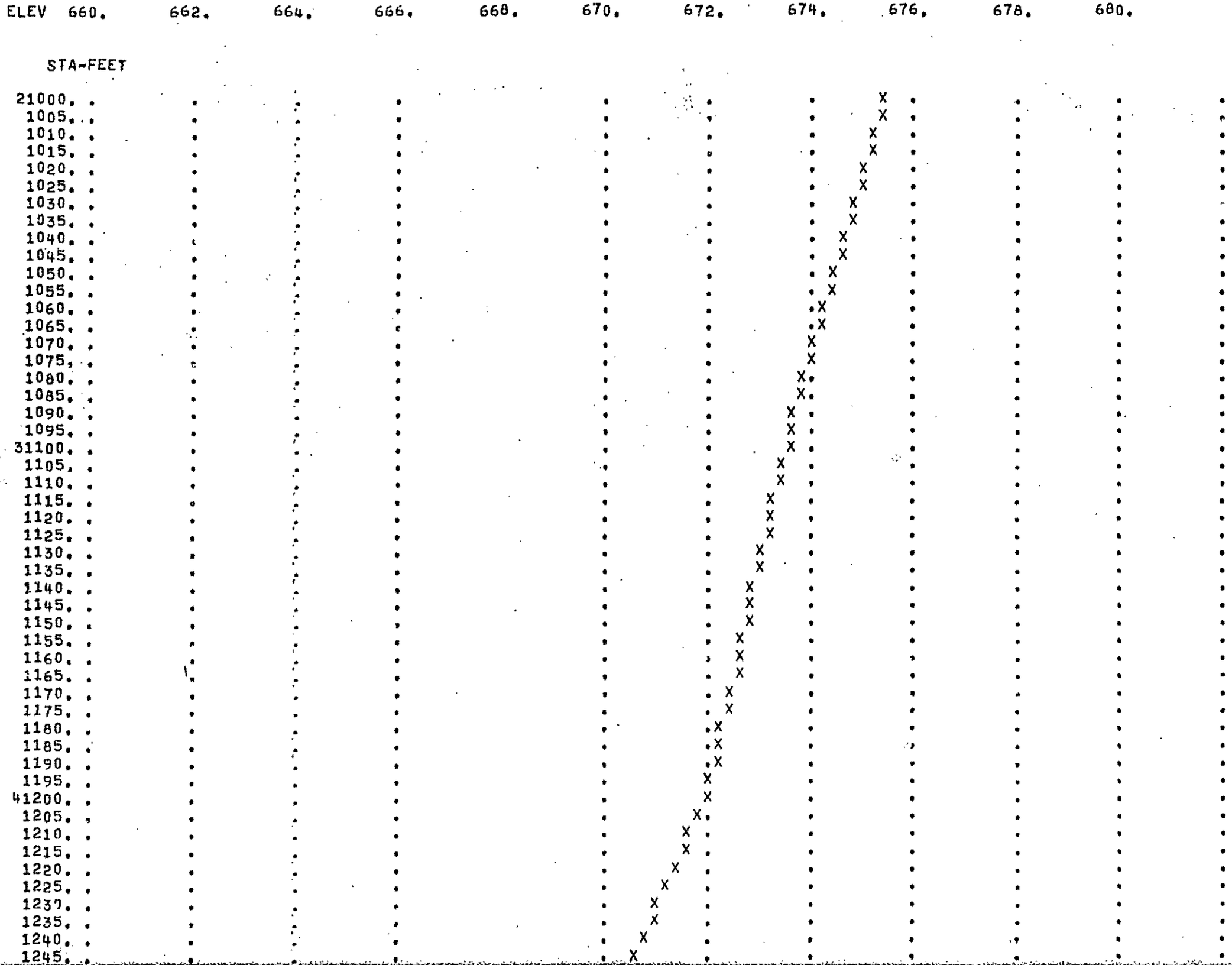
NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

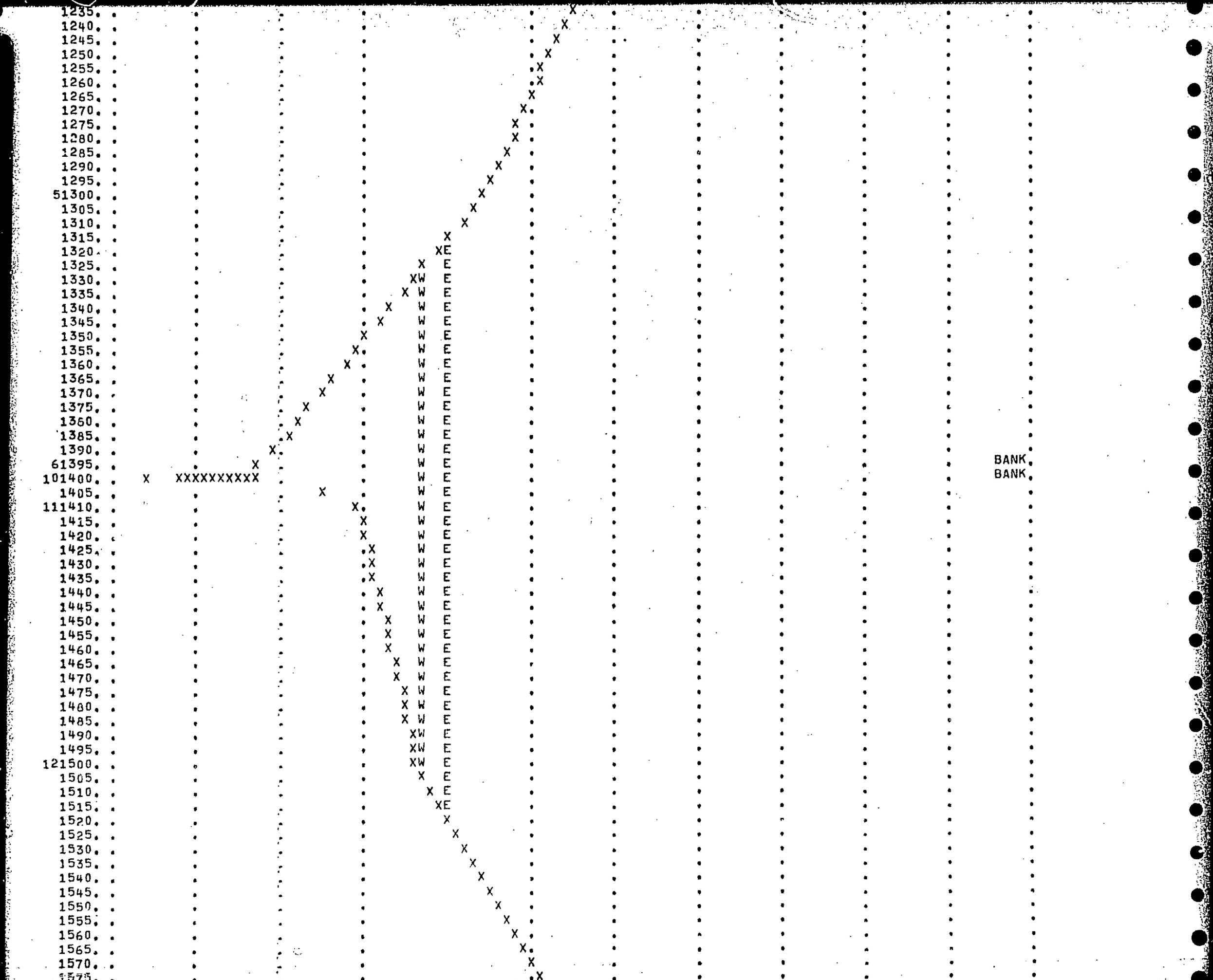
EL(I),STA(I)

674.10	1000.00	672.90	1100.00	670.10	1200.00	663.60	1271.00	663.60	1300.00
665.30	1400.00	660.60	1407.00	660.00	1411.00	660.50	1415.00	665.30	1418.00
663.40	1442.00	663.70	1500.00	665.50	1600.00	667.00	1648.00	672.20	1700.00
682.40	1775.00								

CROSS SECTION 350.00
STREAM 500 YEAR FLOOD WATER SUR
DISCHARGE= 1490.

PLOTTED POINTS (BY PRIORITY):B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

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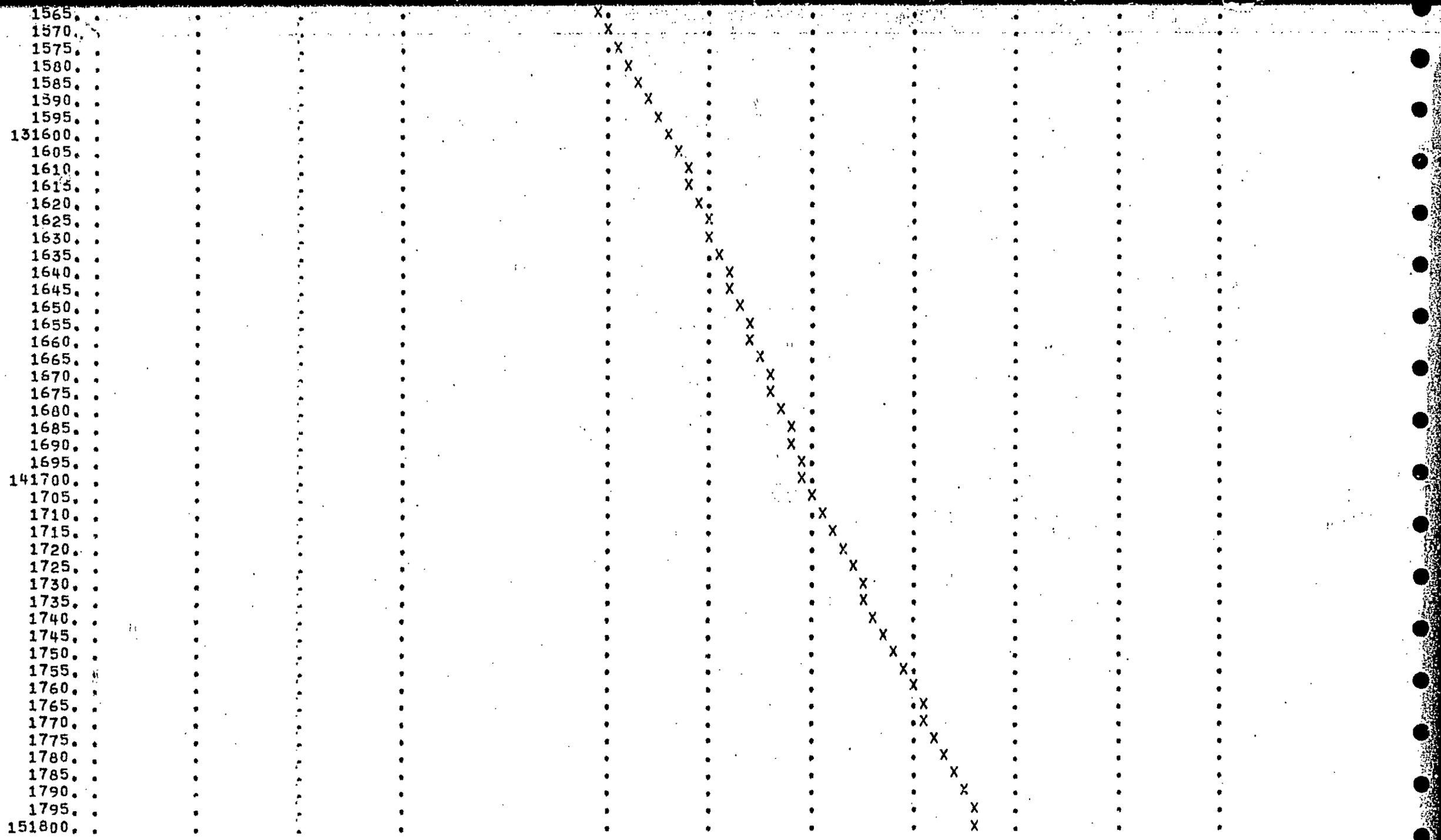


NRD= 0 ELLC= 9999999.00 ELTRD= 9999999.00

EL(I),STA(I)

675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	663.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

CROSS SECTION 407.00
STREAM 500 YEAR FLOOD WATER SUR
DISCHARGE= 1490.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

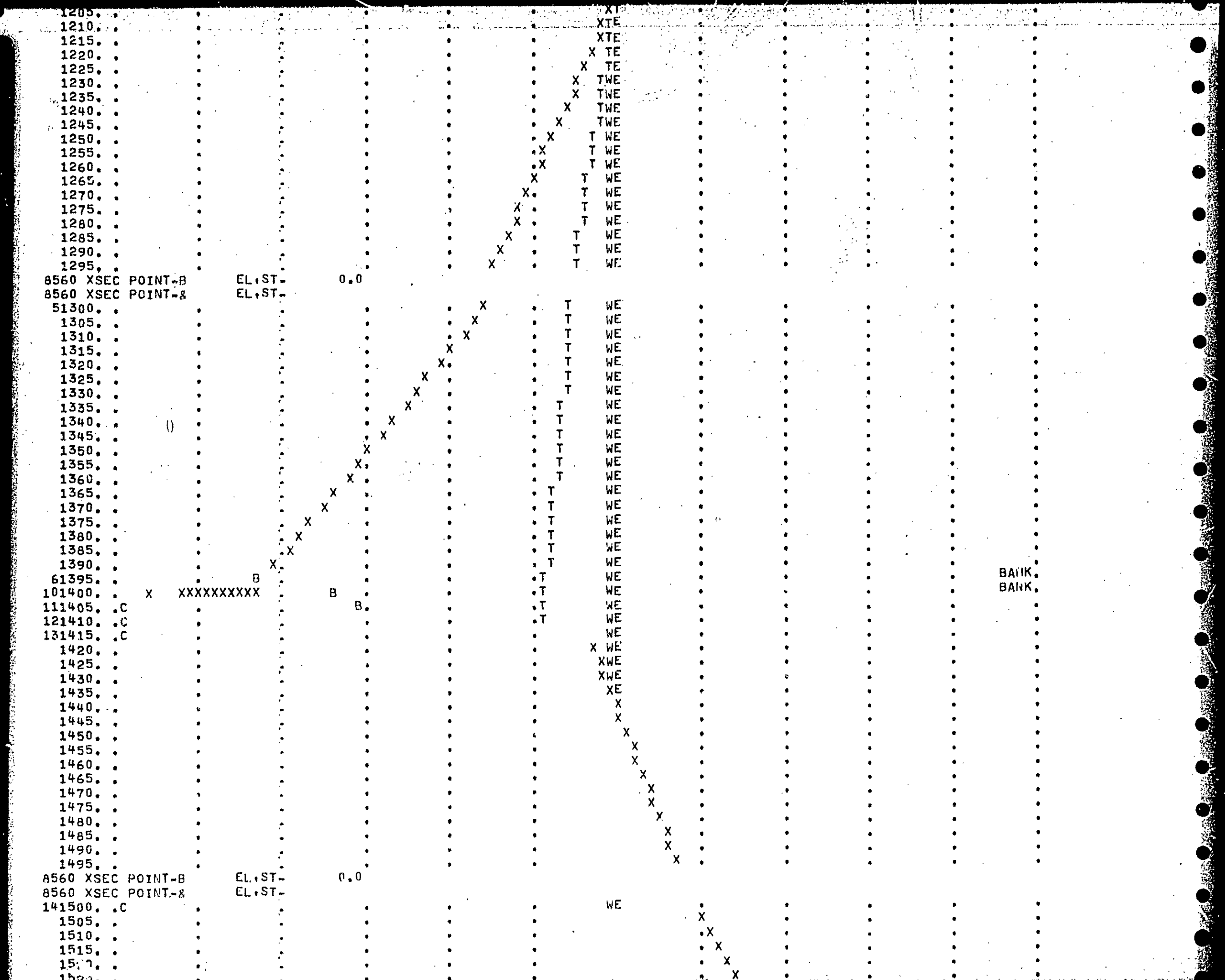
ELEV 660. 662. 664. 666. 668. 670. 672. 674. 676. 678. 680.

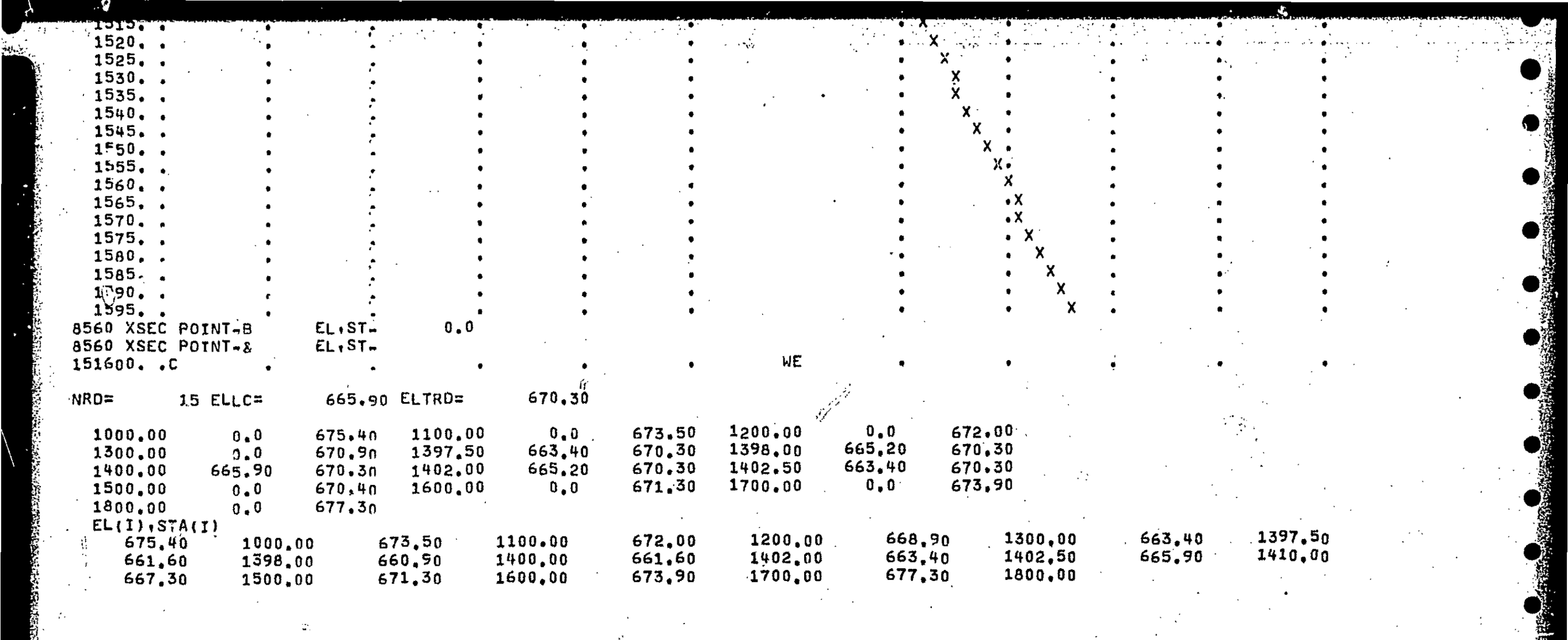
STA-FEET

8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-

8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-

8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-


8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-
8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-
BANK
BANK



8560 XSEC POINT-B EL,ST- 0.0
8560 XSEC POINT-& EL,ST-
151600. .C WE

NRD= 15 ELLC= 665.90 ELTRD= 670.30

1000.00	0.0	675.40	1100.00	0.0	673.50	1200.00	0.0	672.00	
1300.00	0.0	670.90	1397.50	663.40	670.30	1398.00	665.20	670.30	
1400.00	665.90	670.30	1402.00	665.20	670.30	1402.50	663.40	670.30	
1500.00	0.0	670.40	1600.00	0.0	671.30	1700.00	0.0	673.90	
1800.00	0.0	677.30							

EL(I),STA(I)

675.40	1000.00	673.50	1100.00	672.00	1200.00	668.90	1300.00	663.40	1397.50
661.60	1398.00	660.90	1400.00	661.60	1402.00	663.40	1402.50	665.90	1410.00
667.30	1500.00	671.30	1600.00	673.90	1700.00	677.30	1800.00		

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
  ERROR CORR -  01
  MODIFICATION -  50,51,52
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
	275.000	275.00	0.0	0.0	450.00	660.00	664.57	0.0	4.78	1260.40	1548.35	201.12	0.0
A	275.000	275.00	0.0	0.0	770.00	660.00	665.07	0.0	5.02	1254.88	1576.41	337.32	0.51
	275.000	275.00	0.0	0.0	970.00	660.00	665.31	0.0	5.15	1252.33	1589.41	412.47	0.23
	275.000	275.00	0.0	0.0	1490.00	660.00	665.76	0.0	5.56	1247.42	1608.28	569.85	0.45
*	350.000	75.00	0.0	0.0	450.00	660.90	665.64	665.64	8.96	1357.79	1409.22	72.70	0.0
*	350.000	75.00	0.0	0.0	770.00	660.90	666.41	666.41	9.08	1344.11	1442.91	126.61	0.77
*	350.000	75.00	0.0	0.0	970.00	660.90	666.71	666.71	9.31	1338.74	1462.36	160.25	0.30
*	350.000	75.00	0.0	0.0	1490.00	660.90	667.30	667.30	9.62	1328.30	1500.09	247.31	0.59
	407.000	57.00	670.30	665.90	450.00	660.90	670.88	0.0	0.50	1236.14	1589.50	1163.44	0.0
	407.000	57.00	670.30	665.90	770.00	660.90	671.32	0.0	0.75	1221.87	1600.86	1325.36	0.44
	407.000	57.00	670.30	665.90	970.00	660.90	671.50	0.0	0.89	1215.99	1607.87	1395.56	0.18
	407.000	57.00	670.30	665.90	1490.00	660.90	671.89	0.0	1.21	1203.41	1622.88	1553.88	0.39
	482.000	75.00	0.0	0.0	450.00	661.80	670.88	0.0	0.41	1211.15	1668.79	1957.31	0.0
B	482.000	75.00	0.0	0.0	770.00	661.80	671.32	0.0	0.63	1206.32	1673.22	2161.70	0.44
	482.000	75.00	0.0	0.0	970.00	661.80	671.50	0.0	0.76	1204.34	1675.03	2246.62	0.18
	482.000	75.00	0.0	0.0	1490.00	661.80	671.90	0.0	1.08	1200.01	1678.99	2434.65	0.40
*	2075.000	1593.00	0.0	0.0	395.00	668.20	671.45	671.45	5.91	1127.51	1304.97	138.45	0.0
* C	2075.000	1593.00	0.0	0.0	695.00	668.20	671.70	671.70	7.71	1125.95	1305.28	183.48	0.25
*	2075.000	1593.00	0.0	0.0	860.00	668.20	671.89	671.89	7.88	1124.79	1305.50	217.24	0.19
*	2075.000	1593.00	0.0	0.0	1410.00	668.20	672.29	672.29	9.20	1122.33	1327.42	292.51	0.40

SUMMARY OF ERRORS

```
CAUTION  SECNO=  350.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  350.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  350.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=  350.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  350.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  350.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=  350.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  350.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  350.000  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=  350.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  350.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  350.000  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION SECNO= 350.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 350.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2075.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2075.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2075.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2075.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2075.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2075.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2075.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2075.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2075.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2075.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2075.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2075.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 10C	2C	0.2C
275.000	0.	-0.7	-0.2	0.4
350.000	75.	-1.1	-0.3	0.6
407.000	132.	-0.6	-0.2	0.4
482.000	207.	-0.6	-0.2	0.4
2075.000	1800.	-0.4	-0.2	0.4
WEIGHTED AVG FOR REACH		-0.6	-0.2	0.4

1 REACH
FHF 005
ZONE A1

FHF FOR THE REACH = 005 WITH 100.0C OF THE REACH WITHIN 0.5 FEET
ZONE FOR THE REACH = A 1

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  HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
  ERROR CORR -  01
  MODIFICATION -  50,51,52
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EJ
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