PROFESSIONAL ENGINEERING CONSULTANTS, PA
303 South Topeka
WICHITA, KANSAS 67202

(316) 262-2691

LETTER OF TRANSMITTAL

DATE	JOB NO.
5-6-96	
ATTENTION V. R. Huang, P.E.	
RE: NorthRidge Lakes 2nd Add	

TO City Engineer's Office
455 N. Main
Wichita, KS 67202

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ Drainage Computations

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

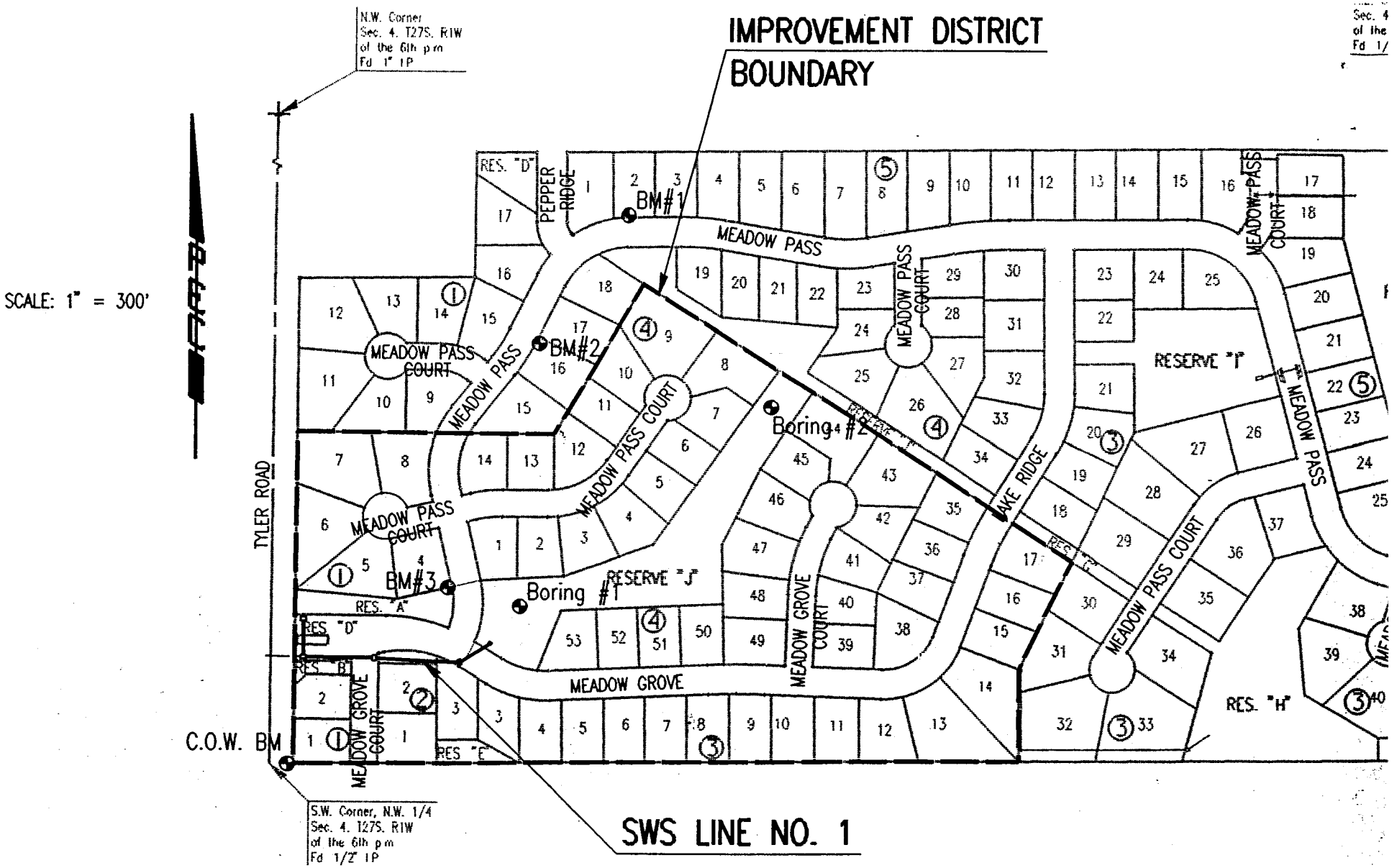
☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☒ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19_____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS These computations reflect the revised SWS # 463.
All other system components are essentially the same as those initially proposed for NorthRidge Lakes, and a new drainage plan has not been prepared.

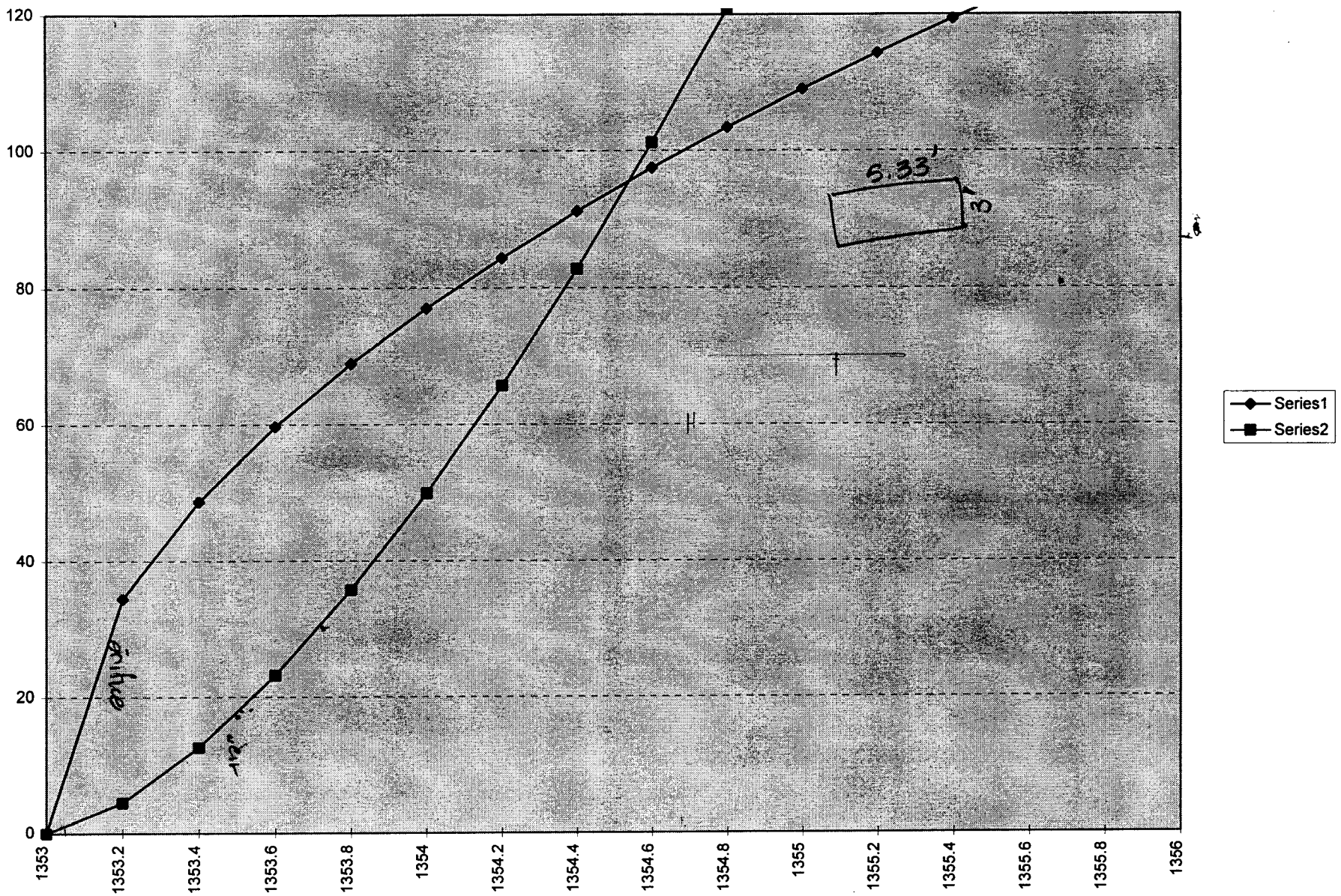
COPY TO _____

SIGNED: Michael W Berry

If enclosures are not as noted, kindly notify us at once.


IMPROVEMENT DISTRICT
BOUNDARY
SCALE: 1" = 300'
N.W. Corner
Sec. 4, T27S, R1W
of the 6th p.m.
Fd 1" I.P.
S.W. Corner, N.W. 1/4
Sec. 4, T27S, R1W
of the 6th p.m.
Fd 1/2" I.P.
C.O.W. BM
SWS LINE NO. 1
TYLER ROAD
PEPPER RIDGE
MEADOW PASS
MEADOW PASS COURT
MEADOW GROVE
MEADOW GROVE COURT
LAKE RIDGE
RESERVE "I"
RESERVE "J"
RES. "A"
RES. "B"
RES. "D"
RES. "E"
RES. "F"
RES. "H"
BM#1
BM#2
BM#3
Boring #1
Boring #2

Sheet1 Chart 3



CURRENT DATE: 03-20-1996
CURRENT TIME: 10:45:38

FILE DATE: 03-20-1996
FILE NAME: NRLKS

FHWA CULVERT ANALYSIS
HY-8, VERSION 3.2

CULVERT	SITE DATA			CULVERT SHAPE, MATERIAL, INLET				
	INLET ELEV. (FT)	OUTLET ELEV. (FT)	CULVERT LENGTH (FT)	BARRELS SHAPE MATERIAL	SPAN (FT)	RISE (FT)	MANNING n	INLET TYPE
1	1348.00	1346.10	500.00	1 RCP	3.50	3.50	.012	CONVENTIONAL
2								
3								
4								
5								
6								

SUMMARY OF CULVERT FLOWS (CFS) FILE: NRLKS DATE: 03-20-1996

ELEV (FT)	TOTAL	1	2	3	4	5	6	ROADWAY	ITR
1354.00	30	30	0	0	0	0	0	0	1
1354.27	36	36	0	0	0	0	0	0	1
1354.58	42	42	0	0	0	0	0	0	1
1354.94	48	48	0	0	0	0	0	0	1
1355.35	54	54	0	0	0	0	0	0	1
1355.81	60	60	0	0	0	0	0	0	1
1356.32	66	66	0	0	0	0	0	0	1
1356.77	72	71	0	0	0	0	0	0	30
1356.83	78	72	0	0	0	0	0	6	7
1356.87	84	72	0	0	0	0	0	11	5
1356.91	90	72	0	0	0	0	0	17	5
1356.76	71	71	0	0	0	0	0	OVERTOPPING	

SUMMARY OF ITERATIVE SOLUTION ERRORS FILE: NRLKS DATE: 03-20-1996

HEAD ELEV(FT)	HEAD ERROR(FT)	TOTAL FLOW(CFS)	FLOW ERROR(CFS)	% FLOW ERROR
1354.00	0.00	30	0	0.00
1354.27	0.00	36	0	0.00
1354.58	0.00	42	0	0.00
1354.94	0.00	48	0	0.00
1355.35	0.00	54	0	0.00
1355.81	0.00	60	0	0.00
1356.32	0.00	66	0	0.00
1356.77	-0.00	72	1	1.40
1356.83	-0.00	78	1	0.85
1356.87	-0.00	84	1	0.87
1356.91	-0.00	90	0	0.56

<1> TOLERANCE (FT) = 0.010 <2> TOLERANCE (%) = 1.000

CURRENT DATE: 03-20-1996 FILE DATE: 03-20-1996
CURRENT TIME: 10:45:38 FILE NAME: NRLKS

CULVERT # 1

PERFORMANCE CURVE FOR 1 BARREL(S)

Q (cfs)	HWE (ft)	TWE (ft)	ICH (ft)	OCH (ft)	FLOW TYPE	CCE (ft)	FCE (ft)	TCE (ft)	VO (fps)
30	1354.00	1353.40	2.48	6.00	4-FF	0.00	0.00	0.00	3.12
36	1354.27	1353.40	2.77	6.27	4-FF	0.00	0.00	0.00	3.74
42	1354.58	1353.40	3.05	6.58	4-FF	0.00	0.00	0.00	4.37
48	1354.94	1353.40	3.32	6.94	4-FF	0.00	0.00	0.00	4.99
54	1355.35	1353.40	3.61	7.35	4-FF	0.00	0.00	0.00	5.61
60	1355.81	1353.40	3.91	7.81	4-FF	0.00	0.00	0.00	6.24
66	1356.32	1353.40	4.23	8.32	4-FF	0.00	0.00	0.00	6.86
71	1356.76	1353.40	4.50	8.76	4-FF	0.00	0.00	0.00	7.36
72	1356.83	1353.40	4.54	8.83	4-FF	0.00	0.00	0.00	7.44
72	1356.87	1353.40	4.57	8.87	4-FF	0.00	0.00	0.00	7.48
72	1356.91	1353.40	4.59	8.91	4-FF	0.00	0.00	0.00	7.52

El. inlet face invert 1348.00 ft El. outlet invert 1346.10 ft
El. inlet throat invert 0.00 ft El. inlet crest 0.00 ft

***** SITE DATA ***** CULVERT INVERT **********

INLET STATION (FT)	0.00
INLET ELEVATION (FT)	1348.00
OUTLET STATION (FT)	500.00
OUTLET ELEVATION (FT)	1346.10
NUMBER OF BARRELS	1.00
SLOPE (V-FT/H-FT)	0.0038
CULVERT LENGTH ALONG SLOPE (FT)	500.00

***** CULVERT DATA SUMMARY **********

BARREL SHAPE	CIRCULAR
BARREL DIAMETER	3.50 FT
BARREL MATERIAL	CONCRETE
BARREL MANNING'S N	0.012
INLET TYPE	CONVENTIONAL
INLET EDGE AND WALL	SQUARE EDGE WITH HEADWALL
INLET DEPRESSION	NONE

CURRENT DATE: 03-20-1996
CURRENT TIME: 10:45:38

FILE DATE: 03-20-1996
FILE NAME: NRLKS

TAILWATER

CONSTANT WATER SURFACE ELEVATION
1353.40

ROADWAY OVERTOPPING DATA

ROADWAY SURFACE	PAVED
EMBANKMENT TOP WIDTH (FT)	30.00
CREST LENGTH (FT)	100.00
OVERTOPPING CREST ELEVATION (FT)	1356.76

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  03/20/96  TIME  10:47:29   *
*                                       *
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*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
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```
X    X  XXXXXXX  XXXXX         X
X    X  X       X    X       XX
X    X  X       X             X
XXXXXXX  XXXX   X       XXXXX  X
X    X  X       X             X
X    X  X       X    X        X
X    X  XXXXXXX  XXXXX        XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1 HEC-1 INPUT PAGE 1

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         LINE          ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

           1           ID    STERLING FARMS 2ND ADDITION DRAINAGE PLAN
           2           ID    PEC PROJECT NO 36-92600-2051
           3           ID    STAGE STORAGE ANALYSIS ---  100 YR
           4           ID    PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
           5           ID    COMPUTED BY M.W.BERRY, P.E.  02/11/93
           6           ID    FILENAME="A:\MISCHEC1\STERFAR2.HEC"  DISKNAME="MWB01"
           7           ID    REVISED BY DRC  3-21-96
           8           ID    FILENAME:"T:\DAR\HEC1\STERFAR2.IH1"
*** FREE ***
*** LIST ***
                       *DIAGRAM
           9           IT      5 11FEB93     600       0 11FEB93    1800
          10           IO      0       0
          11           IN     30 11FEB93     600

          12           KK    EASTPART OF KASTEN'S PROP. - 1/4 AC. RESIDENTIAL LOTS. DRAINS TO LAKE.
          13           BA  .05809
          14           PB    7.8
          15           PC   0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
          16           PC  0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
          17           PC  0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
          18           PC  0.964   0.970   0.976   0.982   0.988   0.994   1.000
          19           LS      0      83       0
          20           UD   0.25

          21           KK   PONDA
          22           RS      1    ELEV  1353.0
          23           SA   2.35    3.00
          24           SE   1353  1356.5
          25           SQ      0      30      36      42      48      54      60      66      72
          26           SE  1353.4   1354. 1354.27 1354.58 1354.94 1355.35 1355.81 1356.32 1356.83

          27           KK  RRWESTOFF SITE DRAINAGE - WEST PORTION OF REFLECTION RIDGE
          28           BA  0.0828
          29           PB    7.8
          30           PC   0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
          31           PC  0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
          32           PC  0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
          33           PC  0.964   0.970   0.976   0.982   0.988   0.994   1.000
          34           LS      0      69       0
          35           UD   0.40
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 36          KK   PONDB
 37          RS      1    ELEV  1350.0
 38          SA   1.00    1.35
 39          SE  1350.0  1352.5
 40          SS  1350.0    24.0     3.0     1.5

 41          KK    WESTPART OF KASTEN'S PROP. - 1/4 AC. RES. LOTS. DRAINS TO TYLER
 42          BA  .01452
 43          PB     7.8
 44          PC    0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
 45          PC   0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
 46          PC   0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
 47          PC   0.964   0.970   0.976   0.982   0.988   0.994   1.000
1                                          HEC-1 INPUT                                          PAGE  2

LINE         ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

 48          LS       0      83       0
 49          UD     .25

 50          KK  BASIN1
 51          BA  0.0047
 52          PB     7.8
 53          PC    0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
 54          PC   0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
 55          PC   0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
 56          PC   0.964   0.970   0.976   0.982   0.988   0.994   1.000
 57          LS       0      79       0
 58          UD    0.25

 59          KK  BASIN2
 60          BA  0.0578
 61          PB     7.8
 62          PC    0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
 63          PC   0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
 64          PC   0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
 65          PC   0.964   0.970   0.976   0.982   0.988   0.994   1.000
 66          LS       0      81       0
 67          UD    0.25

 68          KK   INTO2
 69          HC       5

 70          KK  PON1$2
             *  pond #1 static pool lowered to 1346.5
             *  pond #1 & #2 combined to function together
 71          RS       1    ELEV  1346.5
 72          SA     2.8     3.9
 73          SE  1346.5  1351.5
             * note: cofq=1.8 for submergence correction
 74          SS  1346.5    30.0     1.8     1.5

 75          KK  BASIN3
 76          BA   0.150
 77          PB     7.8
 78          PC    0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
 79          PC   0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
 80          PC   0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
 81          PC   0.964   0.970   0.976   0.982   0.988   0.994   1.000
 82          LS       0      82       0
 83          UD    0.25

 84          KK   INTO3
 85          HC       2

 86          KK   POND3
 87          RS       1    ELEV    1345
 88          SV       0       8      16      23      31      35
 89          SQ       0      40     220     325     400     440
 90          SE  1344.7  1346.0  1347.0  1348.0  1349.0  1349.5
1                                          HEC-1 INPUT                                          PAGE  3

LINE         ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

 91          KK  BASIN4
 92          BA  0.0188
 93          PB     7.8
 94          PC    0.08    0.09    0.10    0.11    0.12    0.133   0.147   0.163   0.181   0.204
 95          PC   0.235   0.283   0.663   0.735   0.772   0.799   0.820   0.835   0.850   0.865
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          96          PC   0.880   0.890   0.900   0.910   0.916   0.925   0.934   0.943   0.952   0.958
          97          PC   0.964   0.970   0.976   0.982   0.988   0.994   1.000
          98          LS       0      76       0
          99          UD    0.25

         100          KK   INTO4
         101          HC       2

         102          KK   POND4
         103          RS       1    ELEV  1344.7
         104          SV     0.0     0.6     1.1     1.7     2.3     2.8
         105          SQ       0      40     210     350     450     530
         106          SE  1344.7  1345.7  1346.7  1347.7  1348.7  1349.7
         107          ZZ
1
                 SCHEMATIC DIAGRAM OF STREAM NETWORK

 INPUT
  LINE      (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

   NO.      (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

    12        EAST
              V
              V
    21        PONDA
              .
              .
    27        .       RRWEST
              .           V
              .           V
    36        .        PONDB
              .           .
              .           .
    41        .           .        WEST
              .           .           .
              .           .           .
    50        .           .           .      BASIN1
              .           .           .          .
              .           .           .          .
    59        .           .           .          .      BASIN2
              .           .           .          .          .
              .           .           .          .          .
    68        INTO2.....................................
              V
              V
    70        PON1$2
              .
              .
    75        .       BASIN3
              .           .
              .           .
    84        INTO3.............
              V
              V
    86        POND3
              .
              .
    91        .       BASIN4
              .           .
              .           .
   100        INTO4.............
              V
              V
   102        POND4

  (***) RUNOFF ALSO COMPUTED AT THIS LOCATION
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY  1991                 *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  03/20/96  TIME  10:47:29   *
*****************************************

*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*        DAVIS, CALIFORNIA 95616        *
*           (916) 551-1748              *
*                                       *
*****************************************
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                    STERLING FARMS 2ND ADDITION DRAINAGE PLAN
                    PEC PROJECT NO 36-92600-2051
                    STAGE STORAGE ANALYSIS ---  100 YR
                    PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
                    COMPUTED BY M.W.BERRY, P.E.  02/11/93
                    FILENAME="A:\MISCHEC1\STERFAR2.HEC"  DISKNAME="MWB01"
                    REVISED BY DRC  3-21-96
                    FILENAME:"T:\DAR\HEC1\STERFAR2.IH1"

10 IO         OUTPUT CONTROL VARIABLES
                   IPRNT          0  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE

   IT         HYDROGRAPH TIME DATA
                   NMIN           5  MINUTES IN COMPUTATION INTERVAL
                   IDATE     11FEB93  STARTING DATE
                   ITIME        0600  STARTING TIME
                     NQ         145  NUMBER OF HYDROGRAPH ORDINATES
                  NDDATE     11FEB93  ENDING DATE
                  NDTIME        1800  ENDING TIME
                  ICENT           19  CENTURY MARK

                COMPUTATION INTERVAL    0.08 HOURS
                    TOTAL TIME BASE   12.00 HOURS

       ENGLISH UNITS
           DRAINAGE AREA         SQUARE MILES
           PRECIPITATION DEPTH   INCHES
           LENGTH, ELEVATION     FEET
           FLOW                  CUBIC FEET PER SECOND
           STORAGE VOLUME        ACRE-FEET
           SURFACE AREA          ACRES
           TEMPERATURE           DEGREES FAHRENHEIT


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
12 KK     *     EAST   *     PART OF KASTEN'S PROP. - 1/4 AC. RESIDENTIAL LOTS. DRAINS TO LAKE.
          *            *
          **************

11 IN          TIME DATA FOR INPUT TIME SERIES
                    JXMIN          30  TIME INTERVAL IN MINUTES
                   JXDATE     11FEB93  STARTING DATE
                   JXTIME         600  STARTING TIME

               SUBBASIN RUNOFF DATA

13 BA           SUBBASIN CHARACTERISTICS
                    TAREA        0.06  SUBBASIN AREA

                PRECIPITATION DATA

14 PB                STORM        7.80  BASIN TOTAL PRECIPITATION

15 PI             INCREMENTAL PRECIPITATION PATTERN
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01
                     0.01      0.01      0.01      0.01      0.01      0.01      0.06      0.06      0.06      0.06
                     0.06      0.06      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                     0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                     0.00      0.00      0.00      0.00

19 LS           SCS LOSS RATE
                    STRTL        0.41  INITIAL ABSTRACTION
                   CRVNBR       83.00  CURVE NUMBER
```

RTIMP 0.00 PERCENT IMPERVIOUS AREA

20 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.25 LAG

***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
17 END-OF-PERIOD ORDINATES

17. 58. 93. 93. 72. 43. 27. 17. 11. 7.
4. 3. 2. 1. 1. 0. 0.

****

HYDROGRAPH AT STATION EAST

****

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	11 FEB 1205	74	0.11	0.01	0.10	199.
11 FEB 0605	2	0.02	0.02	0.00	0.	11 FEB 1210	75	0.11	0.01	0.10	186.
11 FEB 0610	3	0.02	0.02	0.00	0.	11 FEB 1215	76	0.11	0.01	0.10	154.
11 FEB 0615	4	0.02	0.02	0.00	0.	11 FEB 1220	77	0.11	0.01	0.10	119.
11 FEB 0620	5	0.02	0.02	0.00	0.	11 FEB 1225	78	0.11	0.01	0.10	91.
11 FEB 0625	6	0.02	0.02	0.00	0.	11 FEB 1230	79	0.11	0.01	0.10	75.
11 FEB 0630	7	0.02	0.02	0.00	0.	11 FEB 1235	80	0.06	0.00	0.05	64.
11 FEB 0635	8	0.02	0.02	0.00	0.	11 FEB 1240	81	0.06	0.00	0.05	54.
11 FEB 0640	9	0.02	0.02	0.00	0.	11 FEB 1245	82	0.06	0.00	0.05	45.
11 FEB 0645	10	0.02	0.02	0.00	0.	11 FEB 1250	83	0.06	0.00	0.05	38.
11 FEB 0650	11	0.02	0.02	0.00	0.	11 FEB 1255	84	0.06	0.00	0.05	33.
11 FEB 0655	12	0.02	0.02	0.00	0.	11 FEB 1300	85	0.06	0.00	0.05	29.
11 FEB 0700	13	0.02	0.02	0.00	0.	11 FEB 1305	86	0.04	0.00	0.04	27.
11 FEB 0705	14	0.02	0.02	0.00	0.	11 FEB 1310	87	0.04	0.00	0.04	25.
11 FEB 0710	15	0.02	0.02	0.00	0.	11 FEB 1315	88	0.04	0.00	0.04	23.
11 FEB 0715	16	0.02	0.02	0.00	0.	11 FEB 1320	89	0.04	0.00	0.04	21.
11 FEB 0720	17	0.02	0.02	0.00	0.	11 FEB 1325	90	0.04	0.00	0.04	20.
11 FEB 0725	18	0.02	0.02	0.00	0.	11 FEB 1330	91	0.04	0.00	0.04	19.
11 FEB 0730	19	0.02	0.02	0.00	0.	11 FEB 1335	92	0.03	0.00	0.03	18.
11 FEB 0735	20	0.02	0.02	0.00	0.	11 FEB 1340	93	0.03	0.00	0.03	18.
11 FEB 0740	21	0.02	0.02	0.00	0.	11 FEB 1345	94	0.03	0.00	0.03	17.
11 FEB 0745	22	0.02	0.02	0.00	0.	11 FEB 1350	95	0.03	0.00	0.03	16.
11 FEB 0750	23	0.02	0.02	0.00	0.	11 FEB 1355	96	0.03	0.00	0.03	15.
11 FEB 0755	24	0.02	0.02	0.00	0.	11 FEB 1400	97	0.03	0.00	0.03	15.
11 FEB 0800	25	0.02	0.02	0.00	0.	11 FEB 1405	98	0.02	0.00	0.02	14.
11 FEB 0805	26	0.02	0.02	0.00	0.	11 FEB 1410	99	0.02	0.00	0.02	13.
11 FEB 0810	27	0.02	0.02	0.00	0.	11 FEB 1415	100	0.02	0.00	0.02	13.
11 FEB 0815	28	0.02	0.02	0.00	0.	11 FEB 1420	101	0.02	0.00	0.02	12.
11 FEB 0820	29	0.02	0.02	0.00	0.	11 FEB 1425	102	0.02	0.00	0.02	11.
11 FEB 0825	30	0.02	0.02	0.00	0.	11 FEB 1430	103	0.02	0.00	0.02	11.
11 FEB 0830	31	0.02	0.02	0.00	0.	11 FEB 1435	104	0.02	0.00	0.02	10.
11 FEB 0835	32	0.02	0.02	0.00	0.	11 FEB 1440	105	0.02	0.00	0.02	10.
11 FEB 0840	33	0.02	0.02	0.00	0.	11 FEB 1445	106	0.02	0.00	0.02	10.
11 FEB 0845	34	0.02	0.02	0.00	1.	11 FEB 1450	107	0.02	0.00	0.02	10.
11 FEB 0850	35	0.02	0.02	0.00	1.	11 FEB 1455	108	0.02	0.00	0.02	10.
11 FEB 0855	36	0.02	0.02	0.00	1.	11 FEB 1500	109	0.02	0.00	0.02	10.
11 FEB 0900	37	0.02	0.02	0.00	1.	11 FEB 1505	110	0.02	0.00	0.02	10.
11 FEB 0905	38	0.02	0.02	0.00	1.	11 FEB 1510	111	0.02	0.00	0.02	10.
11 FEB 0910	39	0.02	0.02	0.01	1.	11 FEB 1515	112	0.02	0.00	0.02	10.
11 FEB 0915	40	0.02	0.02	0.01	2.	11 FEB 1520	113	0.02	0.00	0.02	10.
11 FEB 0920	41	0.02	0.02	0.01	2.	11 FEB 1525	114	0.02	0.00	0.02	10.
11 FEB 0925	42	0.02	0.02	0.01	2.	11 FEB 1530	115	0.02	0.00	0.02	10.
11 FEB 0930	43	0.02	0.02	0.01	2.	11 FEB 1535	116	0.02	0.00	0.02	10.
11 FEB 0935	44	0.03	0.02	0.01	3.	11 FEB 1540	117	0.02	0.00	0.02	10.
11 FEB 0940	45	0.03	0.02	0.01	3.	11 FEB 1545	118	0.02	0.00	0.02	10.
11 FEB 0945	46	0.03	0.02	0.01	3.	11 FEB 1550	119	0.02	0.00	0.02	10.
11 FEB 0950	47	0.03	0.02	0.01	3.	11 FEB 1555	120	0.02	0.00	0.02	10.
11 FEB 0955	48	0.03	0.02	0.01	4.	11 FEB 1600	121	0.02	0.00	0.02	10.
11 FEB 1000	49	0.03	0.02	0.01	4.	11 FEB 1605	122	0.02	0.00	0.01	10.
11 FEB 1005	50	0.04	0.02	0.01	4.	11 FEB 1610	123	0.02	0.00	0.01	9.
11 FEB 1010	51	0.04	0.02	0.01	4.	11 FEB 1615	124	0.02	0.00	0.01	9.
11 FEB 1015	52	0.04	0.02	0.01	5.	11 FEB 1620	125	0.02	0.00	0.01	8.
11 FEB 1020	53	0.04	0.02	0.02	5.	11 FEB 1625	126	0.02	0.00	0.01	8.
11 FEB 1025	54	0.04	0.02	0.02	6.	11 FEB 1630	127	0.02	0.00	0.01	7.
11 FEB 1030	55	0.04	0.02	0.02	6.	11 FEB 1635	128	0.02	0.00	0.01	7.
11 FEB 1035	56	0.05	0.03	0.02	7.	11 FEB 1640	129	0.02	0.00	0.01	7.
11 FEB 1040	57	0.05	0.02	0.02	7.	11 FEB 1645	130	0.02	0.00	0.01	7.
11 FEB 1045	58	0.05	0.02	0.02	8.	11 FEB 1650	131	0.02	0.00	0.01	7.

11 FEB 1050	59	0.05	0.02	0.03	9.	*	11 FEB 1655	132	0.02	0.00	0.01	7.
11 FEB 1055	60	0.05	0.02	0.03	10.	*	11 FEB 1700	133	0.02	0.00	0.01	7.
11 FEB 1100	61	0.05	0.02	0.03	10.	*	11 FEB 1705	134	0.02	0.00	0.01	7.
11 FEB 1105	62	0.07	0.03	0.04	11.	*	11 FEB 1710	135	0.02	0.00	0.01	7.
11 FEB 1110	63	0.07	0.03	0.04	12.	*	11 FEB 1715	136	0.02	0.00	0.01	7.
11 FEB 1115	64	0.07	0.03	0.05	14.	*	11 FEB 1720	137	0.02	0.00	0.01	7.
11 FEB 1120	65	0.07	0.03	0.05	16.	*	11 FEB 1725	138	0.02	0.00	0.01	7.
11 FEB 1125	66	0.07	0.03	0.05	18.	*	11 FEB 1730	139	0.02	0.00	0.01	7.
11 FEB 1130	67	0.07	0.03	0.05	19.	*	11 FEB 1735	140	0.01	0.00	0.01	7.
11 FEB 1135	68	0.59	0.17	0.42	26.	*	11 FEB 1740	141	0.01	0.00	0.01	6.
11 FEB 1140	69	0.59	0.13	0.46	49.	*	11 FEB 1745	142	0.01	0.00	0.01	6.
11 FEB 1145	70	0.59	0.10	0.49	87.	*	11 FEB 1750	143	0.01	0.00	0.01	5.
11 FEB 1150	71	0.59	0.08	0.51	128.	*	11 FEB 1755	144	0.01	0.00	0.01	5.
11 FEB 1155	72	0.59	0.06	0.53	163.	*	11 FEB 1800	145	0.01	0.00	0.01	4.
11 FEB 1200	73	0.59	0.05	0.54	188.	*						
						*						

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TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.01, TOTAL EXCESS = 5.79

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 199.	6.08		33.	18.	18.	18.
		(INCHES)	5.355	5.749	5.749	5.749
		(AC-FT)	17.	18.	18.	18.

CUMULATIVE AREA = 0.06 SQ MI

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           *            *
21 KK      *    PONDA   *
           *            *
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HYDROGRAPH ROUTING DATA

22 RS STORAGE ROUTING

NSTPS	1	NUMBER OF SUBREACHES
ITYP	ELEV	TYPE OF INITIAL CONDITION
RSVRIC	1353.00	INITIAL CONDITION
X	0.00	WORKING R AND D COEFFICIENT

23 SA	AREA	2.3	3.0							
24 SE	ELEVATION	1353.00	1356.50							
25 SQ	DISCHARGE	0.	30.	36.	42.	48.	54.	60.	66.	72.
26 SE	ELEVATION	1353.40	1354.00	1354.27	1354.58	1354.94	1355.35	1355.81	1356.32	1356.83

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COMPUTED STORAGE-ELEVATION DATA

STORAGE	0.00	9.34
ELEVATION	1353.00	1356.50

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	0.00	0.95	2.44	3.13	3.93	4.89	6.02	7.32	8.80	9.34
OUTFLOW	0.00	0.00	30.00	36.00	42.00	48.00	54.00	60.00	66.00	68.12
ELEVATION	1353.00	1353.40	1354.00	1354.27	1354.58	1354.94	1355.35	1355.81	1356.32	1356.50

STORAGE	10.34
OUTFLOW	72.00
ELEVATION	1356.83

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HYDROGRAPH AT STATION PONDA

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
11	FEB	0600	1	0.	0.0	1353.0	11	FEB	1005	50	0.	0.3	1353.1	11	FEB	1410	99	43.	4.2	1354.7
11	FEB	0605	2	0.	0.0	1353.0	11	FEB	1010	51	0.	0.3	1353.1	11	FEB	1415	100	42.	4.0	1354.6
11	FEB	0610	3	0.	0.0	1353.0	11	FEB	1015	52	0.	0.3	1353.1	11	FEB	1420	101	41.	3.8	1354.5
11	FEB	0615	4	0.	0.0	1353.0	11	FEB	1020	53	0.	0.4	1353.1	11	FEB	1425	102	39.	3.6	1354.4
11	FEB	0620	5	0.	0.0	1353.0	11	FEB	1025	54	0.	0.4	1353.2	11	FEB	1430	103	38.	3.4	1354.4
11	FEB	0625	6	0.	0.0	1353.0	11	FEB	1030	55	0.	0.4	1353.2	11	FEB	1435	104	36.	3.2	1354.3
11	FEB	0630	7	0.	0.0	1353.0	11	FEB	1035	56	0.	0.5	1353.2	11	FEB	1440	105	35.	3.0	1354.2
11	FEB	0635	8	0.	0.0	1353.0	11	FEB	1040	57	0.	0.5	1353.2	11	FEB	1445	106	34.	2.8	1354.2
11	FEB	0640	9	0.	0.0	1353.0	11	FEB	1045	58	0.	0.6	1353.2	11	FEB	1450	107	32.	2.7	1354.1
11	FEB	0645	10	0.	0.0	1353.0	11	FEB	1050	59	0.	0.6	1353.3	11	FEB	1455	108	31.	2.5	1354.0
11	FEB	0650	11	0.	0.0	1353.0	11	FEB	1055	60	0.	0.7	1353.3	11	FEB	1500	109	29.	2.4	1354.0
11	FEB	0655	12	0.	0.0	1353.0	11	FEB	1100	61	0.	0.8	1353.3	11	FEB	1505	110	27.	2.3	1353.9
11	FEB	0700	13	0.	0.0	1353.0	11	FEB	1105	62	0.	0.8	1353.4	11	FEB	1510	111	25.	2.2	1353.9
11	FEB	0705	14	0.	0.0	1353.0	11	FEB	1110	63	0.	0.9	1353.4	11	FEB	1515	112	23.	2.1	1353.9
11	FEB	0710	15	0.	0.0	1353.0	11	FEB	1115	64	1.	1.0	1353.4	11	FEB	1520	113	21.	2.0	1353.8
11	FEB	0715	16	0.	0.0	1353.0	11	FEB	1120	65	3.	1.1	1353.5	11	FEB	1525	114	20.	1.9	1353.8
11	FEB	0720	17	0.	0.0	1353.0	11	FEB	1125	66	5.	1.2	1353.5	11	FEB	1530	115	18.	1.9	1353.8
11	FEB	0725	18	0.	0.0	1353.0	11	FEB	1130	67	7.	1.3	1353.5	11	FEB	1535	116	17.	1.8	1353.7
11	FEB	0730	19	0.	0.0	1353.0	11	FEB	1135	68	9.	1.4	1353.6	11	FEB	1540	117	16.	1.8	1353.7
11	FEB	0735	20	0.	0.0	1353.0	11	FEB	1140	69	13.	1.6	1353.7	11	FEB	1545	118	15.	1.7	1353.7
11	FEB	0740	21	0.	0.0	1353.0	11	FEB	1145	70	20.	1.9	1353.8	11	FEB	1550	119	15.	1.7	1353.7
11	FEB	0745	22	0.	0.0	1353.0	11	FEB	1150	71	31.	2.5	1354.0	11	FEB	1555	120	14.	1.7	1353.7
11	FEB	0750	23	0.	0.0	1353.0	11	FEB	1155	72	37.	3.3	1354.3	11	FEB	1600	121	14.	1.6	1353.7
11	FEB	0755	24	0.	0.0	1353.0	11	FEB	1200	73	44.	4.2	1354.7	11	FEB	1605	122	13.	1.6	1353.7
11	FEB	0800	25	0.	0.0	1353.0	11	FEB	1205	74	50.	5.2	1355.1	11	FEB	1610	123	13.	1.6	1353.7
11	FEB	0805	26	0.	0.0	1353.0	11	FEB	1210	75	55.	6.2	1355.4	11	FEB	1615	124	12.	1.6	1353.6
11	FEB	0810	27	0.	0.0	1353.0	11	FEB	1215	76	58.	7.0	1355.7	11	FEB	1620	125	12.	1.5	1353.6
11	FEB	0815	28	0.	0.0	1353.0	11	FEB	1220	77	61.	7.5	1355.9	11	FEB	1625	126	11.	1.5	1353.6
11	FEB	0820	29	0.	0.0	1353.0	11	FEB	1225	78	62.	7.8	1356.0	11	FEB	1630	127	11.	1.5	1353.6
11	FEB	0825	30	0.	0.0	1353.0	11	FEB	1230	79	63.	7.9	1356.0	11	FEB	1635	128	10.	1.5	1353.6
11	FEB	0830	31	0.	0.0	1353.0	11	FEB	1235	80	63.	8.0	1356.0	11	FEB	1640	129	10.	1.4	1353.6
11	FEB	0835	32	0.	0.0	1353.0	11	FEB	1240	81	63.	8.0	1356.0	11	FEB	1645	130	9.	1.4	1353.6
11	FEB	0840	33	0.	0.0	1353.0	11	FEB	1245	82	62.	7.9	1356.0	11	FEB	1650	131	9.	1.4	1353.6
11	FEB	0845	34	0.	0.0	1353.0	11	FEB	1250	83	62.	7.7	1356.0	11	FEB	1655	132	9.	1.4	1353.6
11	FEB	0850	35	0.	0.0	1353.0	11	FEB	1255	84	61.	7.6	1355.9	11	FEB	1700	133	8.	1.4	1353.6
11	FEB	0855	36	0.	0.0	1353.0	11	FEB	1300	85	60.	7.4	1355.8	11	FEB	1705	134	8.	1.4	1353.6
11	FEB	0900	37	0.	0.0	1353.0	11	FEB	1305	86	59.	7.1	1355.7	11	FEB	1710	135	8.	1.4	1353.6
11	FEB	0905	38	0.	0.0	1353.0	11	FEB	1310	87	58.	6.9	1355.7	11	FEB	1715	136	8.	1.3	1353.6
11	FEB	0910	39	0.	0.0	1353.0	11	FEB	1315	88	57.	6.7	1355.6	11	FEB	1720	137	8.	1.3	1353.6
11	FEB	0915	40	0.	0.1	1353.0	11	FEB	1320	89	56.	6.4	1355.5	11	FEB	1725	138	8.	1.3	1353.6
11	FEB	0920	41	0.	0.1	1353.0	11	FEB	1325	90	55.	6.2	1355.4	11	FEB	1730	139	7.	1.3	1353.5
11	FEB	0925	42	0.	0.1	1353.0	11	FEB	1330	91	54.	6.0	1355.3	11	FEB	1735	140	7.	1.3	1353.5
11	FEB	0930	43	0.	0.1	1353.0	11	FEB	1335	92	52.	5.7	1355.2	11	FEB	1740	141	7.	1.3	1353.5
11	FEB	0935	44	0.	0.1	1353.0	11	FEB	1340	93	51.	5.5	1355.2	11	FEB	1745	142	7.	1.3	1353.5
11	FEB	0940	45	0.	0.1	1353.1	11	FEB	1345	94	50.	5.3	1355.1	11	FEB	1750	143	7.	1.3	1353.5
11	FEB	0945	46	0.	0.2	1353.1	11	FEB	1350	95	49.	5.0	1355.0	11	FEB	1755	144	7.	1.3	1353.5
11	FEB	0950	47	0.	0.2	1353.1	11	FEB	1355	96	47.	4.8	1354.9	11	FEB	1800	145	6.	1.3	1353.5
11	FEB	0955	48	0.	0.2	1353.1	11	FEB	1400	97	46.	4.6	1354.8							
11	FEB	1000	49	0.	0.2	1353.1	11	FEB	1405	98	45.	4.4	1354.7							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 63.	6.58		33.	17.	17.	17.
		(INCHES)	5.219	5.340	5.340	5.340
		(AC-FT)	16.	17.	17.	17.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	12.00-HR
+ (AC-FT)	(HR)				
8.	6.58	4.	2.	2.	2.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	12.00-HR
+ (FEET)	(HR)				
1356.04	6.58	1354.43	1353.78	1353.78	1353.78

CUMULATIVE AREA = 0.06 SQ MI

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              *            *
27 KK         *   RRWEST   *     OFF SITE DRAINAGE - WEST PORTION OF REFLECTION RIDGE
              *            *
              **************
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11 IN TIME DATA FOR INPUT TIME SERIES

JXMIN	30	TIME INTERVAL IN MINUTES
JXDATE	11FEB93	STARTING DATE
JXTIME	600	STARTING TIME

SUBBASIN RUNOFF DATA

28 BA SUBBASIN CHARACTERISTICS

TAREA	0.08	SUBBASIN AREA

PRECIPITATION DATA

29 PB STORM	7.80	BASIN TOTAL PRECIPITATION

30 PI INCREMENTAL PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06
0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00						

34 LS SCS LOSS RATE

STRTL	0.90	INITIAL ABSTRACTION
CRVNBR	69.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

35 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.40	LAG

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UNIT HYDROGRAPH
26 END-OF-PERIOD ORDINATES

8.	26.	54.	80.	90.	88.	76.	61.	42.	31.
23.	17.	12.	9.	7.	5.	4.	3.	2.	1.
1.	1.	1.	0.	0.	0.				

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HYDROGRAPH AT STATION RRWEST

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	*	11 FEB 1205	74	0.11	0.03	0.08	144.
11 FEB 0605	2	0.02	0.02	0.00	0.	*	11 FEB 1210	75	0.11	0.03	0.09	164.
11 FEB 0610	3	0.02	0.02	0.00	0.	*	11 FEB 1215	76	0.11	0.03	0.09	169.
11 FEB 0615	4	0.02	0.02	0.00	0.	*	11 FEB 1220	77	0.11	0.03	0.09	161.
11 FEB 0620	5	0.02	0.02	0.00	0.	*	11 FEB 1225	78	0.11	0.02	0.09	145.
11 FEB 0625	6	0.02	0.02	0.00	0.	*	11 FEB 1230	79	0.11	0.02	0.09	126.
11 FEB 0630	7	0.02	0.02	0.00	0.	*	11 FEB 1235	80	0.06	0.01	0.05	108.
11 FEB 0635	8	0.02	0.02	0.00	0.	*	11 FEB 1240	81	0.06	0.01	0.05	92.
11 FEB 0640	9	0.02	0.02	0.00	0.	*	11 FEB 1245	82	0.06	0.01	0.05	80.
11 FEB 0645	10	0.02	0.02	0.00	0.	*	11 FEB 1250	83	0.06	0.01	0.05	69.
11 FEB 0650	11	0.02	0.02	0.00	0.	*	11 FEB 1255	84	0.06	0.01	0.05	60.
11 FEB 0655	12	0.02	0.02	0.00	0.	*	11 FEB 1300	85	0.06	0.01	0.05	53.
11 FEB 0700	13	0.02	0.02	0.00	0.	*	11 FEB 1305	86	0.04	0.01	0.03	46.
11 FEB 0705	14	0.02	0.02	0.00	0.	*	11 FEB 1310	87	0.04	0.01	0.03	41.
11 FEB 0710	15	0.02	0.02	0.00	0.	*	11 FEB 1315	88	0.04	0.01	0.03	37.
11 FEB 0715	16	0.02	0.02	0.00	0.	*	11 FEB 1320	89	0.04	0.01	0.03	34.
11 FEB 0720	17	0.02	0.02	0.00	0.	*	11 FEB 1325	90	0.04	0.01	0.03	31.
11 FEB 0725	18	0.02	0.02	0.00	0.	*	11 FEB 1330	91	0.04	0.01	0.03	29.

11 FEB 0730	19	0.02	0.02	0.00	0.	*	11 FEB 1335	92	0.03	0.01	0.03	27.
11 FEB 0735	20	0.02	0.02	0.00	0.	*	11 FEB 1340	93	0.03	0.01	0.03	25.
11 FEB 0740	21	0.02	0.02	0.00	0.	*	11 FEB 1345	94	0.03	0.01	0.03	24.
11 FEB 0745	22	0.02	0.02	0.00	0.	*	11 FEB 1350	95	0.03	0.01	0.03	22.
11 FEB 0750	23	0.02	0.02	0.00	0.	*	11 FEB 1355	96	0.03	0.01	0.03	21.
11 FEB 0755	24	0.02	0.02	0.00	0.	*	11 FEB 1400	97	0.03	0.01	0.03	20.
11 FEB 0800	25	0.02	0.02	0.00	0.	*	11 FEB 1405	98	0.02	0.00	0.02	19.
11 FEB 0805	26	0.02	0.02	0.00	0.	*	11 FEB 1410	99	0.02	0.00	0.02	18.
11 FEB 0810	27	0.02	0.02	0.00	0.	*	11 FEB 1415	100	0.02	0.00	0.02	18.
11 FEB 0815	28	0.02	0.02	0.00	0.	*	11 FEB 1420	101	0.02	0.00	0.02	17.
11 FEB 0820	29	0.02	0.02	0.00	0.	*	11 FEB 1425	102	0.02	0.00	0.02	16.
11 FEB 0825	30	0.02	0.02	0.00	0.	*	11 FEB 1430	103	0.02	0.00	0.02	15.
11 FEB 0830	31	0.02	0.02	0.00	0.	*	11 FEB 1435	104	0.02	0.00	0.02	14.
11 FEB 0835	32	0.02	0.02	0.00	0.	*	11 FEB 1440	105	0.02	0.00	0.02	14.
11 FEB 0840	33	0.02	0.02	0.00	0.	*	11 FEB 1445	106	0.02	0.00	0.02	13.
11 FEB 0845	34	0.02	0.02	0.00	0.	*	11 FEB 1450	107	0.02	0.00	0.02	13.
11 FEB 0850	35	0.02	0.02	0.00	0.	*	11 FEB 1455	108	0.02	0.00	0.02	13.
11 FEB 0855	36	0.02	0.02	0.00	0.	*	11 FEB 1500	109	0.02	0.00	0.02	13.
11 FEB 0900	37	0.02	0.02	0.00	0.	*	11 FEB 1505	110	0.02	0.00	0.02	13.
11 FEB 0905	38	0.02	0.02	0.00	0.	*	11 FEB 1510	111	0.02	0.00	0.02	13.
11 FEB 0910	39	0.02	0.02	0.00	0.	*	11 FEB 1515	112	0.02	0.00	0.02	12.
11 FEB 0915	40	0.02	0.02	0.00	0.	*	11 FEB 1520	113	0.02	0.00	0.02	12.
11 FEB 0920	41	0.02	0.02	0.00	0.	*	11 FEB 1525	114	0.02	0.00	0.02	12.
11 FEB 0925	42	0.02	0.02	0.00	0.	*	11 FEB 1530	115	0.02	0.00	0.02	12.
11 FEB 0930	43	0.02	0.02	0.00	0.	*	11 FEB 1535	116	0.02	0.00	0.02	12.
11 FEB 0935	44	0.03	0.03	0.00	0.	*	11 FEB 1540	117	0.02	0.00	0.02	12.
11 FEB 0940	45	0.03	0.03	0.00	0.	*	11 FEB 1545	118	0.02	0.00	0.02	12.
11 FEB 0945	46	0.03	0.03	0.00	0.	*	11 FEB 1550	119	0.02	0.00	0.02	12.
11 FEB 0950	47	0.03	0.03	0.00	0.	*	11 FEB 1555	120	0.02	0.00	0.02	12.
11 FEB 0955	48	0.03	0.03	0.00	0.	*	11 FEB 1600	121	0.02	0.00	0.02	12.
11 FEB 1000	49	0.03	0.03	0.00	0.	*	11 FEB 1605	122	0.02	0.00	0.01	12.
11 FEB 1005	50	0.04	0.03	0.00	0.	*	11 FEB 1610	123	0.02	0.00	0.01	12.
11 FEB 1010	51	0.04	0.03	0.00	0.	*	11 FEB 1615	124	0.02	0.00	0.01	12.
11 FEB 1015	52	0.04	0.03	0.00	0.	*	11 FEB 1620	125	0.02	0.00	0.01	11.
11 FEB 1020	53	0.04	0.03	0.00	0.	*	11 FEB 1625	126	0.02	0.00	0.01	11.
11 FEB 1025	54	0.04	0.03	0.00	0.	*	11 FEB 1630	127	0.02	0.00	0.01	10.
11 FEB 1030	55	0.04	0.03	0.00	1.	*	11 FEB 1635	128	0.02	0.00	0.01	10.
11 FEB 1035	56	0.05	0.04	0.01	1.	*	11 FEB 1640	129	0.02	0.00	0.01	9.
11 FEB 1040	57	0.05	0.04	0.01	1.	*	11 FEB 1645	130	0.02	0.00	0.01	9.
11 FEB 1045	58	0.05	0.04	0.01	2.	*	11 FEB 1650	131	0.02	0.00	0.01	9.
11 FEB 1050	59	0.05	0.04	0.01	2.	*	11 FEB 1655	132	0.02	0.00	0.01	9.
11 FEB 1055	60	0.05	0.04	0.01	3.	*	11 FEB 1700	133	0.02	0.00	0.01	9.
11 FEB 1100	61	0.05	0.04	0.01	3.	*	11 FEB 1705	134	0.02	0.00	0.01	9.
11 FEB 1105	62	0.07	0.06	0.02	4.	*	11 FEB 1710	135	0.02	0.00	0.01	9.
11 FEB 1110	63	0.07	0.06	0.02	4.	*	11 FEB 1715	136	0.02	0.00	0.01	8.
11 FEB 1115	64	0.07	0.06	0.02	5.	*	11 FEB 1720	137	0.02	0.00	0.01	8.
11 FEB 1120	65	0.07	0.05	0.02	6.	*	11 FEB 1725	138	0.02	0.00	0.01	8.
11 FEB 1125	66	0.07	0.05	0.02	7.	*	11 FEB 1730	139	0.02	0.00	0.01	8.
11 FEB 1130	67	0.07	0.05	0.02	9.	*	11 FEB 1735	140	0.01	0.00	0.01	8.
11 FEB 1135	68	0.59	0.36	0.23	12.	*	11 FEB 1740	141	0.01	0.00	0.01	8.
11 FEB 1140	69	0.59	0.29	0.30	19.	*	11 FEB 1745	142	0.01	0.00	0.01	8.
11 FEB 1145	70	0.59	0.25	0.34	33.	*	11 FEB 1750	143	0.01	0.00	0.01	8.
11 FEB 1150	71	0.59	0.21	0.38	55.	*	11 FEB 1755	144	0.01	0.00	0.01	7.
11 FEB 1155	72	0.59	0.18	0.41	84.	*	11 FEB 1800	145	0.01	0.00	0.01	7.
11 FEB 1200	73	0.59	0.16	0.43	115.	*						
						*						

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TOTAL RAINFALL = 7.80, TOTAL LOSS = 3.62, TOTAL EXCESS = 4.18

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	12.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	169.	6.25		35.	18.	18.	18.
			(INCHES)	3.981	4.122	4.122	4.122
			(AC-FT)	18.	18.	18.	18.

CUMULATIVE AREA = 0.08 SQ MI

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          *            *
          *            *
 36 KK    *    PONDB   *
          *            *
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HYDROGRAPH ROUTING DATA

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37 RS          STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC    1350.00  INITIAL CONDITION
                        X        0.00 WORKING R AND D COEFFICIENT

38 SA              AREA        1.0       1.4

39 SE          ELEVATION    1350.00   1352.50

40 SS          SPILLWAY
                     CREL    1350.00  SPILLWAY CREST ELEVATION
                    SPWID      24.00  SPILLWAY WIDTH
                     COQW       3.00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	0.00	2.93
ELEVATION	1350.00	1352.50

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	0.00	0.00	0.05	0.39	1.32	3.12	6.10	10.54	16.74	24.99
ELEVATION	1350.00	1350.00	1350.01	1350.03	1350.07	1350.12	1350.19	1350.28	1350.38	1350.49
OUTFLOW	35.58	48.80	64.95	84.33	107.21	133.91	164.70	199.89	239.76	284.60
ELEVATION	1350.63	1350.77	1350.93	1351.11	1351.30	1351.51	1351.74	1351.98	1352.23	1352.50

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	0.00	0.03	0.07	0.12	0.20	0.28	0.39	0.51	0.65	0.81
OUTFLOW	0.00	0.39	1.32	3.12	6.10	10.54	16.74	24.98	35.58	48.80
ELEVATION	1350.00	1350.03	1350.07	1350.12	1350.19	1350.28	1350.38	1350.49	1350.63	1350.77
STORAGE	0.99	1.19	1.42	1.67	1.94	2.24	2.57	2.93		
OUTFLOW	64.95	84.32	107.21	133.91	164.70	199.89	239.76	284.60		
ELEVATION	1350.93	1351.11	1351.30	1351.51	1351.74	1351.98	1352.23	1352.50		

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HYDROGRAPH AT STATION PONDB

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
11	FEB	0600	1	0.	0.0	1350.0	11	FEB	1005	50	0.	0.0	1350.0	11	FEB	1410	99	21.	0.4	1350.4
11	FEB	0605	2	0.	0.0	1350.0	11	FEB	1010	51	0.	0.0	1350.0	11	FEB	1415	100	20.	0.4	1350.4
11	FEB	0610	3	0.	0.0	1350.0	11	FEB	1015	52	0.	0.0	1350.0	11	FEB	1420	101	19.	0.4	1350.4
11	FEB	0615	4	0.	0.0	1350.0	11	FEB	1020	53	0.	0.0	1350.0	11	FEB	1425	102	18.	0.4	1350.4
11	FEB	0620	5	0.	0.0	1350.0	11	FEB	1025	54	0.	0.0	1350.0	11	FEB	1430	103	17.	0.4	1350.4
11	FEB	0625	6	0.	0.0	1350.0	11	FEB	1030	55	0.	0.0	1350.0	11	FEB	1435	104	16.	0.4	1350.4
11	FEB	0630	7	0.	0.0	1350.0	11	FEB	1035	56	0.	0.0	1350.0	11	FEB	1440	105	15.	0.4	1350.4
11	FEB	0635	8	0.	0.0	1350.0	11	FEB	1040	57	0.	0.0	1350.0	11	FEB	1445	106	15.	0.4	1350.3
11	FEB	0640	9	0.	0.0	1350.0	11	FEB	1045	58	0.	0.0	1350.0	11	FEB	1450	107	14.	0.3	1350.3
11	FEB	0645	10	0.	0.0	1350.0	11	FEB	1050	59	1.	0.0	1350.0	11	FEB	1455	108	14.	0.3	1350.3
11	FEB	0650	11	0.	0.0	1350.0	11	FEB	1055	60	1.	0.0	1350.0	11	FEB	1500	109	13.	0.3	1350.3
11	FEB	0655	12	0.	0.0	1350.0	11	FEB	1100	61	1.	0.1	1350.1	11	FEB	1505	110	13.	0.3	1350.3
11	FEB	0700	13	0.	0.0	1350.0	11	FEB	1105	62	1.	0.1	1350.1	11	FEB	1510	111	13.	0.3	1350.3
11	FEB	0705	14	0.	0.0	1350.0	11	FEB	1110	63	2.	0.1	1350.1	11	FEB	1515	112	13.	0.3	1350.3
11	FEB	0710	15	0.	0.0	1350.0	11	FEB	1115	64	3.	0.1	1350.1	11	FEB	1520	113	13.	0.3	1350.3
11	FEB	0715	16	0.	0.0	1350.0	11	FEB	1120	65	3.	0.1	1350.1	11	FEB	1525	114	13.	0.3	1350.3
11	FEB	0720	17	0.	0.0	1350.0	11	FEB	1125	66	4.	0.1	1350.1	11	FEB	1530	115	13.	0.3	1350.3
11	FEB	0725	18	0.	0.0	1350.0	11	FEB	1130	67	5.	0.2	1350.2	11	FEB	1535	116	12.	0.3	1350.3
11	FEB	0730	19	0.	0.0	1350.0	11	FEB	1135	68	6.	0.2	1350.2	11	FEB	1540	117	12.	0.3	1350.3
11	FEB	0735	20	0.	0.0	1350.0	11	FEB	1140	69	9.	0.3	1350.2	11	FEB	1545	118	12.	0.3	1350.3
11	FEB	0740	21	0.	0.0	1350.0	11	FEB	1145	70	15.	0.3	1350.3	11	FEB	1550	119	12.	0.3	1350.3
11	FEB	0745	22	0.	0.0	1350.0	11	FEB	1150	71	25.	0.5	1350.5	11	FEB	1555	120	12.	0.3	1350.3
11	FEB	0750	23	0.	0.0	1350.0	11	FEB	1155	72	44.	0.8	1350.7	11	FEB	1600	121	12.	0.3	1350.3
11	FEB	0755	24	0.	0.0	1350.0	11	FEB	1200	73	70.	1.0	1351.0	11	FEB	1605	122	12.	0.3	1350.3
11	FEB	0800	25	0.	0.0	1350.0	11	FEB	1205	74	100.	1.4	1351.2	11	FEB	1610	123	12.	0.3	1350.3
11	FEB	0805	26	0.	0.0	1350.0	11	FEB	1210	75	129.	1.6	1351.5	11	FEB	1615	124	12.	0.3	1350.3

11	FEB	0810	27	0.	0.0	1350.0	11	FEB	1215	76	150.	1.8	1351.6	11	FEB	1620	125	12.	0.3	1350.3
11	FEB	0815	28	0.	0.0	1350.0	11	FEB	1220	77	158.	1.9	1351.7	11	FEB	1625	126	12.	0.3	1350.3
11	FEB	0820	29	0.	0.0	1350.0	11	FEB	1225	78	155.	1.9	1351.7	11	FEB	1630	127	11.	0.3	1350.3
11	FEB	0825	30	0.	0.0	1350.0	11	FEB	1230	79	144.	1.8	1351.6	11	FEB	1635	128	11.	0.3	1350.3
11	FEB	0830	31	0.	0.0	1350.0	11	FEB	1235	80	129.	1.6	1351.5	11	FEB	1640	129	10.	0.3	1350.3
11	FEB	0835	32	0.	0.0	1350.0	11	FEB	1240	81	113.	1.5	1351.4	11	FEB	1645	130	10.	0.3	1350.3
11	FEB	0840	33	0.	0.0	1350.0	11	FEB	1245	82	99.	1.3	1351.2	11	FEB	1650	131	10.	0.3	1350.3
11	FEB	0845	34	0.	0.0	1350.0	11	FEB	1250	83	86.	1.2	1351.1	11	FEB	1655	132	9.	0.3	1350.3
11	FEB	0850	35	0.	0.0	1350.0	11	FEB	1255	84	75.	1.1	1351.0	11	FEB	1700	133	9.	0.3	1350.3
11	FEB	0855	36	0.	0.0	1350.0	11	FEB	1300	85	66.	1.0	1350.9	11	FEB	1705	134	9.	0.3	1350.2
11	FEB	0900	37	0.	0.0	1350.0	11	FEB	1305	86	58.	0.9	1350.9	11	FEB	1710	135	9.	0.3	1350.2
11	FEB	0905	38	0.	0.0	1350.0	11	FEB	1310	87	51.	0.8	1350.8	11	FEB	1715	136	9.	0.2	1350.2
11	FEB	0910	39	0.	0.0	1350.0	11	FEB	1315	88	46.	0.8	1350.7	11	FEB	1720	137	9.	0.2	1350.2
11	FEB	0915	40	0.	0.0	1350.0	11	FEB	1320	89	41.	0.7	1350.7	11	FEB	1725	138	9.	0.2	1350.2
11	FEB	0920	41	0.	0.0	1350.0	11	FEB	1325	90	38.	0.7	1350.6	11	FEB	1730	139	9.	0.2	1350.2
11	FEB	0925	42	0.	0.0	1350.0	11	FEB	1330	91	34.	0.6	1350.6	11	FEB	1735	140	9.	0.2	1350.2
11	FEB	0930	43	0.	0.0	1350.0	11	FEB	1335	92	32.	0.6	1350.6	11	FEB	1740	141	8.	0.2	1350.2
11	FEB	0935	44	0.	0.0	1350.0	11	FEB	1340	93	29.	0.6	1350.5	11	FEB	1745	142	8.	0.2	1350.2
11	FEB	0940	45	0.	0.0	1350.0	11	FEB	1345	94	27.	0.5	1350.5	11	FEB	1750	143	8.	0.2	1350.2
11	FEB	0945	46	0.	0.0	1350.0	11	FEB	1350	95	26.	0.5	1350.5	11	FEB	1755	144	8.	0.2	1350.2
11	FEB	0950	47	0.	0.0	1350.0	11	FEB	1355	96	24.	0.5	1350.5	11	FEB	1800	145	8.	0.2	1350.2
11	FEB	0955	48	0.	0.0	1350.0	11	FEB	1400	97	23.	0.5	1350.5							
11	FEB	1000	49	0.	0.0	1350.0	11	FEB	1405	98	22.	0.5	1350.4							

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*******************************************************************************************************************

 PEAK FLOW     TIME                         MAXIMUM AVERAGE FLOW
                                   6-HR        24-HR       72-HR      12.00-HR
+  (CFS)       (HR)
                            (CFS)
+    158.      6.33                 35.         18.         18.          18.
                         (INCHES)  3.970       4.072       4.072        4.072
                          (AC-FT)   18.         18.         18.          18.

PEAK STORAGE   TIME                       MAXIMUM AVERAGE STORAGE
                                   6-HR        24-HR       72-HR      12.00-HR
+ (AC-FT)      (HR)
       2.      6.33                  1.          0.          0.           0.

 PEAK STAGE    TIME                        MAXIMUM AVERAGE STAGE
                                   6-HR        24-HR       72-HR      12.00-HR
+  (FEET)      (HR)
  1351.69      6.33              1350.56     1350.29     1350.29      1350.29

                       CUMULATIVE AREA =    0.08 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
  41 KK    *     WEST   *     PART OF KASTEN'S PROP. - 1/4 AC. RES. LOTS. DRAINS TO TYLER
           *            *
           **************

  11 IN          TIME DATA FOR INPUT TIME SERIES
                       JXMIN          30  TIME INTERVAL IN MINUTES
                       JXDATE     11FEB93  STARTING DATE
                       JXTIME        600  STARTING TIME

               SUBBASIN RUNOFF DATA

  42 BA          SUBBASIN CHARACTERISTICS
                       TAREA        0.01  SUBBASIN AREA

                 PRECIPITATION DATA

  43 PB                STORM        7.80  BASIN TOTAL PRECIPITATION

  44 PI            INCREMENTAL PRECIPITATION PATTERN
                      0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                      0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                      0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                      0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                      0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                      0.00    0.00    0.00    0.00    0.01    0.01    0.01    0.01    0.01    0.01
                      0.01    0.01    0.01    0.01    0.01    0.01    0.06    0.06    0.06    0.06
```

0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00						

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48 LS        SCS LOSS RATE
                STRTL        0.41  INITIAL ABSTRACTION
               CRVNBR       83.00  CURVE NUMBER
                RTIMP        0.00  PERCENT IMPERVIOUS AREA

49 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        0.25  LAG
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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
17 END-OF-PERIOD ORDINATES

4.	15.	23.	23.	18.	11.	7.	4.	3.	2.
1.	1.	0.	0.	0.	0.	0.			

****

HYDROGRAPH AT STATION WEST

****

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	*	11 FEB 1205	74	0.11	0.01	0.10	50.
11 FEB 0605	2	0.02	0.02	0.00	0.	*	11 FEB 1210	75	0.11	0.01	0.10	46.
11 FEB 0610	3	0.02	0.02	0.00	0.	*	11 FEB 1215	76	0.11	0.01	0.10	39.
11 FEB 0615	4	0.02	0.02	0.00	0.	*	11 FEB 1220	77	0.11	0.01	0.10	30.
11 FEB 0620	5	0.02	0.02	0.00	0.	*	11 FEB 1225	78	0.11	0.01	0.10	23.
11 FEB 0625	6	0.02	0.02	0.00	0.	*	11 FEB 1230	79	0.11	0.01	0.10	19.
11 FEB 0630	7	0.02	0.02	0.00	0.	*	11 FEB 1235	80	0.06	0.00	0.05	16.
11 FEB 0635	8	0.02	0.02	0.00	0.	*	11 FEB 1240	81	0.06	0.00	0.05	14.
11 FEB 0640	9	0.02	0.02	0.00	0.	*	11 FEB 1245	82	0.06	0.00	0.05	11.
11 FEB 0645	10	0.02	0.02	0.00	0.	*	11 FEB 1250	83	0.06	0.00	0.05	10.
11 FEB 0650	11	0.02	0.02	0.00	0.	*	11 FEB 1255	84	0.06	0.00	0.05	8.
11 FEB 0655	12	0.02	0.02	0.00	0.	*	11 FEB 1300	85	0.06	0.00	0.05	7.
11 FEB 0700	13	0.02	0.02	0.00	0.	*	11 FEB 1305	86	0.04	0.00	0.04	7.
11 FEB 0705	14	0.02	0.02	0.00	0.	*	11 FEB 1310	87	0.04	0.00	0.04	6.
11 FEB 0710	15	0.02	0.02	0.00	0.	*	11 FEB 1315	88	0.04	0.00	0.04	6.
11 FEB 0715	16	0.02	0.02	0.00	0.	*	11 FEB 1320	89	0.04	0.00	0.04	5.
11 FEB 0720	17	0.02	0.02	0.00	0.	*	11 FEB 1325	90	0.04	0.00	0.04	5.
11 FEB 0725	18	0.02	0.02	0.00	0.	*	11 FEB 1330	91	0.04	0.00	0.04	5.
11 FEB 0730	19	0.02	0.02	0.00	0.	*	11 FEB 1335	92	0.03	0.00	0.03	5.
11 FEB 0735	20	0.02	0.02	0.00	0.	*	11 FEB 1340	93	0.03	0.00	0.03	4.
11 FEB 0740	21	0.02	0.02	0.00	0.	*	11 FEB 1345	94	0.03	0.00	0.03	4.
11 FEB 0745	22	0.02	0.02	0.00	0.	*	11 FEB 1350	95	0.03	0.00	0.03	4.
11 FEB 0750	23	0.02	0.02	0.00	0.	*	11 FEB 1355	96	0.03	0.00	0.03	4.
11 FEB 0755	24	0.02	0.02	0.00	0.	*	11 FEB 1400	97	0.03	0.00	0.03	4.
11 FEB 0800	25	0.02	0.02	0.00	0.	*	11 FEB 1405	98	0.02	0.00	0.02	4.
11 FEB 0805	26	0.02	0.02	0.00	0.	*	11 FEB 1410	99	0.02	0.00	0.02	3.
11 FEB 0810	27	0.02	0.02	0.00	0.	*	11 FEB 1415	100	0.02	0.00	0.02	3.
11 FEB 0815	28	0.02	0.02	0.00	0.	*	11 FEB 1420	101	0.02	0.00	0.02	3.
11 FEB 0820	29	0.02	0.02	0.00	0.	*	11 FEB 1425	102	0.02	0.00	0.02	3.
11 FEB 0825	30	0.02	0.02	0.00	0.	*	11 FEB 1430	103	0.02	0.00	0.02	3.
11 FEB 0830	31	0.02	0.02	0.00	0.	*	11 FEB 1435	104	0.02	0.00	0.02	3.
11 FEB 0835	32	0.02	0.02	0.00	0.	*	11 FEB 1440	105	0.02	0.00	0.02	3.
11 FEB 0840	33	0.02	0.02	0.00	0.	*	11 FEB 1445	106	0.02	0.00	0.02	3.
11 FEB 0845	34	0.02	0.02	0.00	0.	*	11 FEB 1450	107	0.02	0.00	0.02	3.
11 FEB 0850	35	0.02	0.02	0.00	0.	*	11 FEB 1455	108	0.02	0.00	0.02	2.
11 FEB 0855	36	0.02	0.02	0.00	0.	*	11 FEB 1500	109	0.02	0.00	0.02	2.
11 FEB 0900	37	0.02	0.02	0.00	0.	*	11 FEB 1505	110	0.02	0.00	0.02	2.
11 FEB 0905	38	0.02	0.02	0.00	0.	*	11 FEB 1510	111	0.02	0.00	0.02	2.
11 FEB 0910	39	0.02	0.02	0.01	0.	*	11 FEB 1515	112	0.02	0.00	0.02	2.
11 FEB 0915	40	0.02	0.02	0.01	0.	*	11 FEB 1520	113	0.02	0.00	0.02	2.
11 FEB 0920	41	0.02	0.02	0.01	0.	*	11 FEB 1525	114	0.02	0.00	0.02	2.
11 FEB 0925	42	0.02	0.02	0.01	1.	*	11 FEB 1530	115	0.02	0.00	0.02	2.
11 FEB 0930	43	0.02	0.02	0.01	1.	*	11 FEB 1535	116	0.02	0.00	0.02	2.
11 FEB 0935	44	0.03	0.02	0.01	1.	*	11 FEB 1540	117	0.02	0.00	0.02	2.
11 FEB 0940	45	0.03	0.02	0.01	1.	*	11 FEB 1545	118	0.02	0.00	0.02	2.
11 FEB 0945	46	0.03	0.02	0.01	1.	*	11 FEB 1550	119	0.02	0.00	0.02	2.

11 FEB 0950	47	0.03	0.02	0.01	1.	*	11 FEB 1555	120	0.02	0.00	0.02	2.
11 FEB 0955	48	0.03	0.02	0.01	1.	*	11 FEB 1600	121	0.02	0.00	0.02	2.
11 FEB 1000	49	0.03	0.02	0.01	1.	*	11 FEB 1605	122	0.02	0.00	0.01	2.
11 FEB 1005	50	0.04	0.02	0.01	1.	*	11 FEB 1610	123	0.02	0.00	0.01	2.
11 FEB 1010	51	0.04	0.02	0.01	1.	*	11 FEB 1615	124	0.02	0.00	0.01	2.
11 FEB 1015	52	0.04	0.02	0.01	1.	*	11 FEB 1620	125	0.02	0.00	0.01	2.
11 FEB 1020	53	0.04	0.02	0.02	1.	*	11 FEB 1625	126	0.02	0.00	0.01	2.
11 FEB 1025	54	0.04	0.02	0.02	1.	*	11 FEB 1630	127	0.02	0.00	0.01	2.
11 FEB 1030	55	0.04	0.02	0.02	2.	*	11 FEB 1635	128	0.02	0.00	0.01	2.
11 FEB 1035	56	0.05	0.03	0.02	2.	*	11 FEB 1640	129	0.02	0.00	0.01	2.
11 FEB 1040	57	0.05	0.02	0.02	2.	*	11 FEB 1645	130	0.02	0.00	0.01	2.
11 FEB 1045	58	0.05	0.02	0.02	2.	*	11 FEB 1650	131	0.02	0.00	0.01	2.
11 FEB 1050	59	0.05	0.02	0.03	2.	*	11 FEB 1655	132	0.02	0.00	0.01	2.
11 FEB 1055	60	0.05	0.02	0.03	2.	*	11 FEB 1700	133	0.02	0.00	0.01	2.
11 FEB 1100	61	0.05	0.02	0.03	3.	*	11 FEB 1705	134	0.02	0.00	0.01	2.
11 FEB 1105	62	0.07	0.03	0.04	3.	*	11 FEB 1710	135	0.02	0.00	0.01	2.
11 FEB 1110	63	0.07	0.03	0.04	3.	*	11 FEB 1715	136	0.02	0.00	0.01	2.
11 FEB 1115	64	0.07	0.03	0.05	4.	*	11 FEB 1720	137	0.02	0.00	0.01	2.
11 FEB 1120	65	0.07	0.03	0.05	4.	*	11 FEB 1725	138	0.02	0.00	0.01	2.
11 FEB 1125	66	0.07	0.03	0.05	4.	*	11 FEB 1730	139	0.02	0.00	0.01	2.
11 FEB 1130	67	0.07	0.03	0.05	5.	*	11 FEB 1735	140	0.01	0.00	0.01	2.
11 FEB 1135	68	0.59	0.17	0.42	7.	*	11 FEB 1740	141	0.01	0.00	0.01	2.
11 FEB 1140	69	0.59	0.13	0.46	12.	*	11 FEB 1745	142	0.01	0.00	0.01	1.
11 FEB 1145	70	0.59	0.10	0.49	22.	*	11 FEB 1750	143	0.01	0.00	0.01	1.
11 FEB 1150	71	0.59	0.08	0.51	32.	*	11 FEB 1755	144	0.01	0.00	0.01	1.
11 FEB 1155	72	0.59	0.06	0.53	41.	*	11 FEB 1800	145	0.01	0.00	0.01	1.
11 FEB 1200	73	0.59	0.05	0.54	47.	*						
						*						

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*******************************************************************************************************

   TOTAL RAINFALL =    7.80, TOTAL LOSS =    2.01, TOTAL EXCESS =    5.79

  PEAK FLOW      TIME                           MAXIMUM AVERAGE FLOW
                                        6-HR        24-HR       72-HR      12.00-HR
+   (CFS)        (HR)
                           (CFS)
+      50.        6.08                    8.          4.          4.           4.
                         (INCHES)      5.355       5.749       5.749        5.749
                          (AC-FT)         4.          4.          4.           4.

                         CUMULATIVE AREA =      0.01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
  50 KK     *   BASIN1   *
            *            *
            **************

  11 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN          30  TIME INTERVAL IN MINUTES
                      JXDATE    11FEB93  STARTING DATE
                      JXTIME        600  STARTING TIME

               SUBBASIN RUNOFF DATA

  51 BA          SUBBASIN CHARACTERISTICS
                      TAREA        0.00  SUBBASIN AREA

                 PRECIPITATION DATA

  52 PB               STORM        7.80  BASIN TOTAL PRECIPITATION

  53 PI            INCREMENTAL PRECIPITATION PATTERN
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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06
0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00						

57 LS SCS LOSS RATE

STRTL	0.53	INITIAL ABSTRACTION
CRVNBR	79.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

58 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.25	LAG

***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
17 END-OF-PERIOD ORDINATES

1.	5.	8.	8.	6.	4.	2.	1.	1.	1.
0.	0.	0.	0.	0.	0.	0.			

****

HYDROGRAPH AT STATION BASIN1

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	11 FEB 1205	74	0.11	0.01	0.10	15.
11 FEB 0605	2	0.02	0.02	0.00	0.	11 FEB 1210	75	0.11	0.01	0.10	14.
11 FEB 0610	3	0.02	0.02	0.00	0.	11 FEB 1215	76	0.11	0.01	0.10	12.
11 FEB 0615	4	0.02	0.02	0.00	0.	11 FEB 1220	77	0.11	0.01	0.10	9.
11 FEB 0620	5	0.02	0.02	0.00	0.	11 FEB 1225	78	0.11	0.01	0.10	7.
11 FEB 0625	6	0.02	0.02	0.00	0.	11 FEB 1230	79	0.11	0.01	0.10	6.
11 FEB 0630	7	0.02	0.02	0.00	0.	11 FEB 1235	80	0.06	0.01	0.05	5.
11 FEB 0635	8	0.02	0.02	0.00	0.	11 FEB 1240	81	0.06	0.01	0.05	4.
11 FEB 0640	9	0.02	0.02	0.00	0.	11 FEB 1245	82	0.06	0.01	0.05	4.
11 FEB 0645	10	0.02	0.02	0.00	0.	11 FEB 1250	83	0.06	0.01	0.05	3.
11 FEB 0650	11	0.02	0.02	0.00	0.	11 FEB 1255	84	0.06	0.01	0.05	3.
11 FEB 0655	12	0.02	0.02	0.00	0.	11 FEB 1300	85	0.06	0.01	0.05	2.
11 FEB 0700	13	0.02	0.02	0.00	0.	11 FEB 1305	86	0.04	0.00	0.04	2.
11 FEB 0705	14	0.02	0.02	0.00	0.	11 FEB 1310	87	0.04	0.00	0.04	2.
11 FEB 0710	15	0.02	0.02	0.00	0.	11 FEB 1315	88	0.04	0.00	0.04	2.
11 FEB 0715	16	0.02	0.02	0.00	0.	11 FEB 1320	89	0.04	0.00	0.04	2.
11 FEB 0720	17	0.02	0.02	0.00	0.	11 FEB 1325	90	0.04	0.00	0.04	2.
11 FEB 0725	18	0.02	0.02	0.00	0.	11 FEB 1330	91	0.04	0.00	0.04	1.
11 FEB 0730	19	0.02	0.02	0.00	0.	11 FEB 1335	92	0.03	0.00	0.03	1.
11 FEB 0735	20	0.02	0.02	0.00	0.	11 FEB 1340	93	0.03	0.00	0.03	1.
11 FEB 0740	21	0.02	0.02	0.00	0.	11 FEB 1345	94	0.03	0.00	0.03	1.
11 FEB 0745	22	0.02	0.02	0.00	0.	11 FEB 1350	95	0.03	0.00	0.03	1.
11 FEB 0750	23	0.02	0.02	0.00	0.	11 FEB 1355	96	0.03	0.00	0.03	1.
11 FEB 0755	24	0.02	0.02	0.00	0.	11 FEB 1400	97	0.03	0.00	0.03	1.
11 FEB 0800	25	0.02	0.02	0.00	0.	11 FEB 1405	98	0.02	0.00	0.02	1.
11 FEB 0805	26	0.02	0.02	0.00	0.	11 FEB 1410	99	0.02	0.00	0.02	1.
11 FEB 0810	27	0.02	0.02	0.00	0.	11 FEB 1415	100	0.02	0.00	0.02	1.
11 FEB 0815	28	0.02	0.02	0.00	0.	11 FEB 1420	101	0.02	0.00	0.02	1.
11 FEB 0820	29	0.02	0.02	0.00	0.	11 FEB 1425	102	0.02	0.00	0.02	1.
11 FEB 0825	30	0.02	0.02	0.00	0.	11 FEB 1430	103	0.02	0.00	0.02	1.
11 FEB 0830	31	0.02	0.02	0.00	0.	11 FEB 1435	104	0.02	0.00	0.02	1.
11 FEB 0835	32	0.02	0.02	0.00	0.	11 FEB 1440	105	0.02	0.00	0.02	1.
11 FEB 0840	33	0.02	0.02	0.00	0.	11 FEB 1445	106	0.02	0.00	0.02	1.
11 FEB 0845	34	0.02	0.02	0.00	0.	11 FEB 1450	107	0.02	0.00	0.02	1.
11 FEB 0850	35	0.02	0.02	0.00	0.	11 FEB 1455	108	0.02	0.00	0.02	1.
11 FEB 0855	36	0.02	0.02	0.00	0.	11 FEB 1500	109	0.02	0.00	0.02	1.
11 FEB 0900	37	0.02	0.02	0.00	0.	11 FEB 1505	110	0.02	0.00	0.02	1.
11 FEB 0905	38	0.02	0.02	0.00	0.	11 FEB 1510	111	0.02	0.00	0.02	1.
11 FEB 0910	39	0.02	0.02	0.00	0.	11 FEB 1515	112	0.02	0.00	0.02	1.
11 FEB 0915	40	0.02	0.02	0.00	0.	11 FEB 1520	113	0.02	0.00	0.02	1.
11 FEB 0920	41	0.02	0.02	0.00	0.	11 FEB 1525	114	0.02	0.00	0.02	1.
11 FEB 0925	42	0.02	0.02	0.00	0.	11 FEB 1530	115	0.02	0.00	0.02	1.
11 FEB 0930	43	0.02	0.02	0.00	0.	11 FEB 1535	116	0.02	0.00	0.02	1.
11 FEB 0935	44	0.03	0.02	0.00	0.	11 FEB 1540	117	0.02	0.00	0.02	1.
11 FEB 0940	45	0.03	0.02	0.01	0.	11 FEB 1545	118	0.02	0.00	0.02	1.
11 FEB 0945	46	0.03	0.02	0.01	0.	11 FEB 1550	119	0.02	0.00	0.02	1.
11 FEB 0950	47	0.03	0.02	0.01	0.	11 FEB 1555	120	0.02	0.00	0.02	1.
11 FEB 0955	48	0.03	0.02	0.01	0.	11 FEB 1600	121	0.02	0.00	0.02	1.
11 FEB 1000	49	0.03	0.02	0.01	0.	11 FEB 1605	122	0.02	0.00	0.01	1.
11 FEB 1005	50	0.04	0.03	0.01	0.	11 FEB 1610	123	0.02	0.00	0.01	1.

11 FEB 1010	51	0.04	0.03	0.01	0.	*	11 FEB 1615	124	0.02	0.00	0.01	1.
11 FEB 1015	52	0.04	0.03	0.01	0.	*	11 FEB 1620	125	0.02	0.00	0.01	1.
11 FEB 1020	53	0.04	0.02	0.01	0.	*	11 FEB 1625	126	0.02	0.00	0.01	1.
11 FEB 1025	54	0.04	0.02	0.01	0.	*	11 FEB 1630	127	0.02	0.00	0.01	1.
11 FEB 1030	55	0.04	0.02	0.01	0.	*	11 FEB 1635	128	0.02	0.00	0.01	1.
11 FEB 1035	56	0.05	0.03	0.02	0.	*	11 FEB 1640	129	0.02	0.00	0.01	1.
11 FEB 1040	57	0.05	0.03	0.02	0.	*	11 FEB 1645	130	0.02	0.00	0.01	1.
11 FEB 1045	58	0.05	0.03	0.02	0.	*	11 FEB 1650	131	0.02	0.00	0.01	1.
11 FEB 1050	59	0.05	0.03	0.02	1.	*	11 FEB 1655	132	0.02	0.00	0.01	1.
11 FEB 1055	60	0.05	0.03	0.02	1.	*	11 FEB 1700	133	0.02	0.00	0.01	1.
11 FEB 1100	61	0.05	0.03	0.02	1.	*	11 FEB 1705	134	0.02	0.00	0.01	1.
11 FEB 1105	62	0.07	0.04	0.03	1.	*	11 FEB 1710	135	0.02	0.00	0.01	1.
11 FEB 1110	63	0.07	0.04	0.04	1.	*	11 FEB 1715	136	0.02	0.00	0.01	1.
11 FEB 1115	64	0.07	0.04	0.04	1.	*	11 FEB 1720	137	0.02	0.00	0.01	1.
11 FEB 1120	65	0.07	0.04	0.04	1.	*	11 FEB 1725	138	0.02	0.00	0.01	1.
11 FEB 1125	66	0.07	0.03	0.04	1.	*	11 FEB 1730	139	0.02	0.00	0.01	1.
11 FEB 1130	67	0.07	0.03	0.04	1.	*	11 FEB 1735	140	0.01	0.00	0.01	1.
11 FEB 1135	68	0.59	0.23	0.37	2.	*	11 FEB 1740	141	0.01	0.00	0.01	0.
11 FEB 1140	69	0.59	0.17	0.42	3.	*	11 FEB 1745	142	0.01	0.00	0.01	0.
11 FEB 1145	70	0.59	0.14	0.45	6.	*	11 FEB 1750	143	0.01	0.00	0.01	0.
11 FEB 1150	71	0.59	0.11	0.48	9.	*	11 FEB 1755	144	0.01	0.00	0.01	0.
11 FEB 1155	72	0.59	0.09	0.50	12.	*	11 FEB 1800	145	0.01	0.00	0.01	0.
11 FEB 1200	73	0.59	0.08	0.51	14.	*						
						*						

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TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.48, TOTAL EXCESS = 5.32

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 15.	6.08		3.	1.	1.	1.
		(INCHES)	4.972	5.285	5.285	5.285
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = 0.00 SQ MI

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          *            *
59 KK     *   BASIN2   *
          *            *
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11 IN          TIME DATA FOR INPUT TIME SERIES
                    JXMIN         30  TIME INTERVAL IN MINUTES
                   JXDATE    11FEB93  STARTING DATE
                   JXTIME        600  STARTING TIME

               SUBBASIN RUNOFF DATA

60 BA          SUBBASIN CHARACTERISTICS
                    TAREA        0.06  SUBBASIN AREA

               PRECIPITATION DATA

61 PB               STORM        7.80  BASIN TOTAL PRECIPITATION

62 PI            INCREMENTAL PRECIPITATION PATTERN
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01
                   0.01      0.01      0.01      0.01      0.01      0.01      0.06      0.06      0.06      0.06
                   0.06      0.06      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                   0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                   0.00      0.00      0.00      0.00
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 66 LS          SCS LOSS RATE
                     STRTL       0.47  INITIAL ABSTRACTION
                    CRVNBR      81.00  CURVE NUMBER
                     RTIMP       0.00  PERCENT IMPERVIOUS AREA

 67 UD          SCS DIMENSIONLESS UNITGRAPH
                     TLAG       0.25  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                          UNIT HYDROGRAPH
                                      17 END-OF-PERIOD ORDINATES
             17.      58.      92.      92.      72.      43.      27.      17.      11.       7.
              4.       3.       2.       1.       1.       0.       0.
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HYDROGRAPH AT STATION BASIN2

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	11 FEB 1205	74	0.11	0.01	0.10	191.
11 FEB 0605	2	0.02	0.02	0.00	0.	11 FEB 1210	75	0.11	0.01	0.10	179.
11 FEB 0610	3	0.02	0.02	0.00	0.	11 FEB 1215	76	0.11	0.01	0.10	149.
11 FEB 0615	4	0.02	0.02	0.00	0.	11 FEB 1220	77	0.11	0.01	0.10	115.
11 FEB 0620	5	0.02	0.02	0.00	0.	11 FEB 1225	78	0.11	0.01	0.10	89.
11 FEB 0625	6	0.02	0.02	0.00	0.	11 FEB 1230	79	0.11	0.01	0.10	73.
11 FEB 0630	7	0.02	0.02	0.00	0.	11 FEB 1235	80	0.06	0.00	0.05	62.
11 FEB 0635	8	0.02	0.02	0.00	0.	11 FEB 1240	81	0.06	0.00	0.05	53.
11 FEB 0640	9	0.02	0.02	0.00	0.	11 FEB 1245	82	0.06	0.00	0.05	44.
11 FEB 0645	10	0.02	0.02	0.00	0.	11 FEB 1250	83	0.06	0.00	0.05	37.
11 FEB 0650	11	0.02	0.02	0.00	0.	11 FEB 1255	84	0.06	0.00	0.05	32.
11 FEB 0655	12	0.02	0.02	0.00	0.	11 FEB 1300	85	0.06	0.00	0.05	29.
11 FEB 0700	13	0.02	0.02	0.00	0.	11 FEB 1305	86	0.04	0.00	0.04	27.
11 FEB 0705	14	0.02	0.02	0.00	0.	11 FEB 1310	87	0.04	0.00	0.04	25.
11 FEB 0710	15	0.02	0.02	0.00	0.	11 FEB 1315	88	0.04	0.00	0.04	22.
11 FEB 0715	16	0.02	0.02	0.00	0.	11 FEB 1320	89	0.04	0.00	0.04	21.
11 FEB 0720	17	0.02	0.02	0.00	0.	11 FEB 1325	90	0.04	0.00	0.04	19.
11 FEB 0725	18	0.02	0.02	0.00	0.	11 FEB 1330	91	0.04	0.00	0.04	19.
11 FEB 0730	19	0.02	0.02	0.00	0.	11 FEB 1335	92	0.03	0.00	0.03	18.
11 FEB 0735	20	0.02	0.02	0.00	0.	11 FEB 1340	93	0.03	0.00	0.03	17.
11 FEB 0740	21	0.02	0.02	0.00	0.	11 FEB 1345	94	0.03	0.00	0.03	16.
11 FEB 0745	22	0.02	0.02	0.00	0.	11 FEB 1350	95	0.03	0.00	0.03	15.
11 FEB 0750	23	0.02	0.02	0.00	0.	11 FEB 1355	96	0.03	0.00	0.03	15.
11 FEB 0755	24	0.02	0.02	0.00	0.	11 FEB 1400	97	0.03	0.00	0.03	14.
11 FEB 0800	25	0.02	0.02	0.00	0.	11 FEB 1405	98	0.02	0.00	0.02	14.
11 FEB 0805	26	0.02	0.02	0.00	0.	11 FEB 1410	99	0.02	0.00	0.02	13.
11 FEB 0810	27	0.02	0.02	0.00	0.	11 FEB 1415	100	0.02	0.00	0.02	12.
11 FEB 0815	28	0.02	0.02	0.00	0.	11 FEB 1420	101	0.02	0.00	0.02	11.
11 FEB 0820	29	0.02	0.02	0.00	0.	11 FEB 1425	102	0.02	0.00	0.02	11.
11 FEB 0825	30	0.02	0.02	0.00	0.	11 FEB 1430	103	0.02	0.00	0.02	10.
11 FEB 0830	31	0.02	0.02	0.00	0.	11 FEB 1435	104	0.02	0.00	0.02	10.
11 FEB 0835	32	0.02	0.02	0.00	0.	11 FEB 1440	105	0.02	0.00	0.02	10.
11 FEB 0840	33	0.02	0.02	0.00	0.	11 FEB 1445	106	0.02	0.00	0.02	10.
11 FEB 0845	34	0.02	0.02	0.00	0.	11 FEB 1450	107	0.02	0.00	0.02	10.
11 FEB 0850	35	0.02	0.02	0.00	0.	11 FEB 1455	108	0.02	0.00	0.02	10.
11 FEB 0855	36	0.02	0.02	0.00	0.	11 FEB 1500	109	0.02	0.00	0.02	10.
11 FEB 0900	37	0.02	0.02	0.00	1.	11 FEB 1505	110	0.02	0.00	0.02	10.
11 FEB 0905	38	0.02	0.02	0.00	1.	11 FEB 1510	111	0.02	0.00	0.02	10.
11 FEB 0910	39	0.02	0.02	0.00	1.	11 FEB 1515	112	0.02	0.00	0.02	10.
11 FEB 0915	40	0.02	0.02	0.00	1.	11 FEB 1520	113	0.02	0.00	0.02	10.
11 FEB 0920	41	0.02	0.02	0.00	1.	11 FEB 1525	114	0.02	0.00	0.02	10.
11 FEB 0925	42	0.02	0.02	0.00	2.	11 FEB 1530	115	0.02	0.00	0.02	10.
11 FEB 0930	43	0.02	0.02	0.01	2.	11 FEB 1535	116	0.02	0.00	0.02	10.
11 FEB 0935	44	0.03	0.02	0.01	2.	11 FEB 1540	117	0.02	0.00	0.02	10.
11 FEB 0940	45	0.03	0.02	0.01	2.	11 FEB 1545	118	0.02	0.00	0.02	10.
11 FEB 0945	46	0.03	0.02	0.01	2.	11 FEB 1550	119	0.02	0.00	0.02	10.
11 FEB 0950	47	0.03	0.02	0.01	3.	11 FEB 1555	120	0.02	0.00	0.02	10.
11 FEB 0955	48	0.03	0.02	0.01	3.	11 FEB 1600	121	0.02	0.00	0.02	10.
11 FEB 1000	49	0.03	0.02	0.01	3.	11 FEB 1605	122	0.02	0.00	0.01	10.
11 FEB 1005	50	0.04	0.02	0.01	3.	11 FEB 1610	123	0.02	0.00	0.01	9.
11 FEB 1010	51	0.04	0.02	0.01	4.	11 FEB 1615	124	0.02	0.00	0.01	9.
11 FEB 1015	52	0.04	0.02	0.01	4.	11 FEB 1620	125	0.02	0.00	0.01	8.
11 FEB 1020	53	0.04	0.02	0.01	5.	11 FEB 1625	126	0.02	0.00	0.01	7.
11 FEB 1025	54	0.04	0.02	0.01	5.	11 FEB 1630	127	0.02	0.00	0.01	7.

11 FEB 1030	55	0.04	0.02	0.01	5.	*	11 FEB 1635	128	0.02	0.00	0.01	7.
11 FEB 1035	56	0.05	0.03	0.02	6.	*	11 FEB 1640	129	0.02	0.00	0.01	7.
11 FEB 1040	57	0.05	0.03	0.02	6.	*	11 FEB 1645	130	0.02	0.00	0.01	7.
11 FEB 1045	58	0.05	0.03	0.02	7.	*	11 FEB 1650	131	0.02	0.00	0.01	7.
11 FEB 1050	59	0.05	0.03	0.02	8.	*	11 FEB 1655	132	0.02	0.00	0.01	7.
11 FEB 1055	60	0.05	0.03	0.02	9.	*	11 FEB 1700	133	0.02	0.00	0.01	7.
11 FEB 1100	61	0.05	0.02	0.02	9.	*	11 FEB 1705	134	0.02	0.00	0.01	7.
11 FEB 1105	62	0.07	0.04	0.04	10.	*	11 FEB 1710	135	0.02	0.00	0.01	7.
11 FEB 1110	63	0.07	0.03	0.04	11.	*	11 FEB 1715	136	0.02	0.00	0.01	7.
11 FEB 1115	64	0.07	0.03	0.04	13.	*	11 FEB 1720	137	0.02	0.00	0.01	7.
11 FEB 1120	65	0.07	0.03	0.04	15.	*	11 FEB 1725	138	0.02	0.00	0.01	7.
11 FEB 1125	66	0.07	0.03	0.04	16.	*	11 FEB 1730	139	0.02	0.00	0.01	7.
11 FEB 1130	67	0.07	0.03	0.05	17.	*	11 FEB 1735	140	0.01	0.00	0.01	6.
11 FEB 1135	68	0.59	0.20	0.39	24.	*	11 FEB 1740	141	0.01	0.00	0.01	6.
11 FEB 1140	69	0.59	0.15	0.44	46.	*	11 FEB 1745	142	0.01	0.00	0.01	6.
11 FEB 1145	70	0.59	0.12	0.47	82.	*	11 FEB 1750	143	0.01	0.00	0.01	5.
11 FEB 1150	71	0.59	0.10	0.50	121.	*	11 FEB 1755	144	0.01	0.00	0.01	5.
11 FEB 1155	72	0.59	0.08	0.51	155.	*	11 FEB 1800	145	0.01	0.00	0.01	4.
11 FEB 1200	73	0.59	0.07	0.52	180.	*						
						*						

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TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.25, TOTAL EXCESS = 5.55

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)				
	(CFS)				
+ 191.	6.08	32.	17.	17.	17.
	(INCHES)	5.165	5.516	5.516	5.516
	(AC-FT)	16.	17.	17.	17.

CUMULATIVE AREA = 0.06 SQ MI

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68 KK     *    INTO2   *
          *            *
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69 HC HYDROGRAPH COMBINATION
ICOMP 5 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION INTO2
SUM OF 5 HYDROGRAPHS

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
11 FEB 0600	1	0.	11 FEB 0905	38	1.	11 FEB 1210	75	424.	11 FEB 1515	112	48.
11 FEB 0605	2	0.	11 FEB 0910	39	1.	11 FEB 1215	76	407.	11 FEB 1520	113	47.
11 FEB 0610	3	0.	11 FEB 0915	40	2.	11 FEB 1220	77	373.	11 FEB 1525	114	45.
11 FEB 0615	4	0.	11 FEB 0920	41	2.	11 FEB 1225	78	336.	11 FEB 1530	115	44.
11 FEB 0620	5	0.	11 FEB 0925	42	2.	11 FEB 1230	79	304.	11 FEB 1535	116	43.
11 FEB 0625	6	0.	11 FEB 0930	43	2.	11 FEB 1235	80	274.	11 FEB 1540	117	42.
11 FEB 0630	7	0.	11 FEB 0935	44	3.	11 FEB 1240	81	246.	11 FEB 1545	118	41.
11 FEB 0635	8	0.	11 FEB 0940	45	3.	11 FEB 1245	82	220.	11 FEB 1550	119	40.
11 FEB 0640	9	0.	11 FEB 0945	46	3.	11 FEB 1250	83	197.	11 FEB 1555	120	40.
11 FEB 0645	10	0.	11 FEB 0950	47	4.	11 FEB 1255	84	179.	11 FEB 1600	121	39.
11 FEB 0650	11	0.	11 FEB 0955	48	4.	11 FEB 1300	85	165.	11 FEB 1605	122	38.
11 FEB 0655	12	0.	11 FEB 1000	49	4.	11 FEB 1305	86	153.	11 FEB 1610	123	37.
11 FEB 0700	13	0.	11 FEB 1005	50	5.	11 FEB 1310	87	142.	11 FEB 1615	124	36.
11 FEB 0705	14	0.	11 FEB 1010	51	5.	11 FEB 1315	88	133.	11 FEB 1620	125	34.
11 FEB 0710	15	0.	11 FEB 1015	52	6.	11 FEB 1320	89	125.	11 FEB 1625	126	33.
11 FEB 0715	16	0.	11 FEB 1020	53	6.	11 FEB 1325	90	118.	11 FEB 1630	127	31.
11 FEB 0720	17	0.	11 FEB 1025	54	7.	11 FEB 1330	91	113.	11 FEB 1635	128	30.
11 FEB 0725	18	0.	11 FEB 1030	55	7.	11 FEB 1335	92	108.	11 FEB 1640	129	29.
11 FEB 0730	19	0.	11 FEB 1035	56	8.	11 FEB 1340	93	104.	11 FEB 1645	130	28.
11 FEB 0735	20	0.	11 FEB 1040	57	9.	11 FEB 1345	94	99.	11 FEB 1650	131	28.

11 FEB	0740	21	0.	*	11 FEB	1045	58	10.	*	11 FEB	1350	95	95.	*	11 FEB	1655	132	27.		
11 FEB	0745	22	0.	*	11 FEB	1050	59	11.	*	11 FEB	1355	96	91.	*	11 FEB	1700	133	26.		
11 FEB	0750	23	0.	*	11 FEB	1055	60	12.	*	11 FEB	1400	97	88.	*	11 FEB	1705	134	26.		
11 FEB	0755	24	0.	*	11 FEB	1100	61	13.	*	11 FEB	1405	98	85.	*	11 FEB	1710	135	26.		
11 FEB	0800	25	0.	*	11 FEB	1105	62	15.	*	11 FEB	1410	99	82.	*	11 FEB	1715	136	25.		
11 FEB	0805	26	0.	*	11 FEB	1110	63	17.	*	11 FEB	1415	100	78.	*	11 FEB	1720	137	25.		
11 FEB	0810	27	0.	*	11 FEB	1115	64	21.	*	11 FEB	1420	101	75.	*	11 FEB	1725	138	25.		
11 FEB	0815	28	0.	*	11 FEB	1120	65	26.	*	11 FEB	1425	102	71.	*	11 FEB	1730	139	25.		
11 FEB	0820	29	0.	*	11 FEB	1125	66	31.	*	11 FEB	1430	103	68.	*	11 FEB	1735	140	24.		
11 FEB	0825	30	0.	*	11 FEB	1130	67	35.	*	11 FEB	1435	104	66.	*	11 FEB	1740	141	24.		
11 FEB	0830	31	0.	*	11 FEB	1135	68	48.	*	11 FEB	1440	105	64.	*	11 FEB	1745	142	23.		
11 FEB	0835	32	0.	*	11 FEB	1140	69	83.	*	11 FEB	1445	106	61.	*	11 FEB	1750	143	22.		
11 FEB	0840	33	0.	*	11 FEB	1145	70	144.	*	11 FEB	1450	107	59.	*	11 FEB	1755	144	21.		
11 FEB	0845	34	0.	*	11 FEB	1150	71	218.	*	11 FEB	1455	108	58.	*	11 FEB	1800	145	20.		
11 FEB	0850	35	0.	*	11 FEB	1155	72	289.	*	11 FEB	1500	109	56.	*						
11 FEB	0855	36	1.	*	11 FEB	1200	73	355.	*	11 FEB	1505	110	53.	*						
11 FEB	0900	37	1.	*	11 FEB	1205	74	405.	*	11 FEB	1510	111	50.	*						
				*					*					*						

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 424.	6.17		110.	58.	58.	58.
		(INCHES)	4.703	4.931	4.931	4.931
		(AC-FT)	55.	57.	57.	57.

CUMULATIVE AREA = 0.22 SQ MI

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          *            *
70 KK     *    PON1$2  *
          *            *
          **************
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HYDROGRAPH ROUTING DATA

71 RS STORAGE ROUTING

NSTPS	1	NUMBER OF SUBREACHES
ITYP	ELEV	TYPE OF INITIAL CONDITION
RSVRIC	1346.50	INITIAL CONDITION
X	0.00	WORKING R AND D COEFFICIENT

72 SA AREA 2.8 3.9

73 SE ELEVATION 1346.50 1351.50

74 SS SPILLWAY

CREL	1346.50	SPILLWAY CREST ELEVATION
SPWID	30.00	SPILLWAY WIDTH
COQW	1.80	WEIR COEFFICIENT
EXPW	1.50	EXPONENT OF HEAD

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COMPUTED STORAGE-ELEVATION DATA

STORAGE	0.00	16.67
ELEVATION	1346.50	1351.50

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	0.00	0.00	0.10	0.83	2.80	6.63	12.94	22.36	35.51	53.00
ELEVATION	1346.50	1346.50	1346.52	1346.56	1346.64	1346.75	1346.89	1347.06	1347.26	1347.49
OUTFLOW	75.47	103.52	137.79	178.89	227.44	284.06	349.39	424.02	508.60	603.74
ELEVATION	1347.75	1348.04	1348.37	1348.72	1349.11	1349.52	1349.97	1350.45	1350.96	1351.50

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	0.00	0.04	0.17	0.39	0.70	1.10	1.59	2.18	2.87	3.66
OUTFLOW	0.00	0.10	0.83	2.80	6.63	12.94	22.36	35.51	53.00	75.47

ELEVATION	1346.50	1346.52	1346.56	1346.64	1346.75	1346.89	1347.06	1347.26	1347.49	1347.75
STORAGE	4.57	5.59	6.73	8.01	9.43	10.99	12.71	14.60	16.67	
OUTFLOW	103.52	137.79	178.88	227.44	284.06	349.38	424.02	508.60	603.74	
ELEVATION	1348.04	1348.37	1348.72	1349.11	1349.52	1349.97	1350.45	1350.96	1351.50	

HYDROGRAPH AT STATION PON1$2

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
11	FEB	0600	1	0.	0.0	1346.5	11	FEB	1005	50	1.	0.2	1346.6	11	FEB	1410	99	101.	4.5	1348.0
11	FEB	0605	2	0.	0.0	1346.5	11	FEB	1010	51	1.	0.2	1346.6	11	FEB	1415	100	97.	4.3	1348.0
11	FEB	0610	3	0.	0.0	1346.5	11	FEB	1015	52	2.	0.3	1346.6	11	FEB	1420	101	93.	4.2	1347.9
11	FEB	0615	4	0.	0.0	1346.5	11	FEB	1020	53	2.	0.3	1346.6	11	FEB	1425	102	89.	4.1	1347.9
11	FEB	0620	5	0.	0.0	1346.5	11	FEB	1025	54	2.	0.3	1346.6	11	FEB	1430	103	85.	4.0	1347.9
11	FEB	0625	6	0.	0.0	1346.5	11	FEB	1030	55	2.	0.4	1346.6	11	FEB	1435	104	82.	3.9	1347.8
11	FEB	0630	7	0.	0.0	1346.5	11	FEB	1035	56	3.	0.4	1346.6	11	FEB	1440	105	78.	3.8	1347.8
11	FEB	0635	8	0.	0.0	1346.5	11	FEB	1040	57	3.	0.4	1346.7	11	FEB	1445	106	75.	3.7	1347.7
11	FEB	0640	9	0.	0.0	1346.5	11	FEB	1045	58	4.	0.5	1346.7	11	FEB	1450	107	73.	3.6	1347.7
11	FEB	0645	10	0.	0.0	1346.5	11	FEB	1050	59	4.	0.5	1346.7	11	FEB	1455	108	70.	3.5	1347.7
11	FEB	0650	11	0.	0.0	1346.5	11	FEB	1055	60	5.	0.6	1346.7	11	FEB	1500	109	68.	3.4	1347.7
11	FEB	0655	12	0.	0.0	1346.5	11	FEB	1100	61	6.	0.6	1346.7	11	FEB	1505	110	65.	3.3	1347.6
11	FEB	0700	13	0.	0.0	1346.5	11	FEB	1105	62	6.	0.7	1346.7	11	FEB	1510	111	63.	3.2	1347.6
11	FEB	0705	14	0.	0.0	1346.5	11	FEB	1110	63	7.	0.7	1346.8	11	FEB	1515	112	61.	3.1	1347.6
11	FEB	0710	15	0.	0.0	1346.5	11	FEB	1115	64	8.	0.8	1346.8	11	FEB	1520	113	58.	3.1	1347.5
11	FEB	0715	16	0.	0.0	1346.5	11	FEB	1120	65	10.	0.9	1346.8	11	FEB	1525	114	56.	3.0	1347.5
11	FEB	0720	17	0.	0.0	1346.5	11	FEB	1125	66	12.	1.0	1346.9	11	FEB	1530	115	54.	2.9	1347.5
11	FEB	0725	18	0.	0.0	1346.5	11	FEB	1130	67	14.	1.2	1346.9	11	FEB	1535	116	52.	2.8	1347.5
11	FEB	0730	19	0.	0.0	1346.5	11	FEB	1135	68	18.	1.3	1347.0	11	FEB	1540	117	51.	2.8	1347.5
11	FEB	0735	20	0.	0.0	1346.5	11	FEB	1140	69	24.	1.6	1347.1	11	FEB	1545	118	49.	2.7	1347.4
11	FEB	0740	21	0.	0.0	1346.5	11	FEB	1145	70	37.	2.2	1347.3	11	FEB	1550	119	48.	2.7	1347.4
11	FEB	0745	22	0.	0.0	1346.5	11	FEB	1150	71	61.	3.1	1347.6	11	FEB	1555	120	46.	2.6	1347.4
11	FEB	0750	23	0.	0.0	1346.5	11	FEB	1155	72	97.	4.3	1348.0	11	FEB	1600	121	45.	2.6	1347.4
11	FEB	0755	24	0.	0.0	1346.5	11	FEB	1200	73	143.	5.7	1348.4	11	FEB	1605	122	44.	2.5	1347.4
11	FEB	0800	25	0.	0.0	1346.5	11	FEB	1205	74	196.	7.2	1348.9	11	FEB	1610	123	43.	2.5	1347.4
11	FEB	0805	26	0.	0.0	1346.5	11	FEB	1210	75	247.	8.5	1349.3	11	FEB	1615	124	42.	2.4	1347.3
11	FEB	0810	27	0.	0.0	1346.5	11	FEB	1215	76	288.	9.5	1349.6	11	FEB	1620	125	41.	2.4	1347.3
11	FEB	0815	28	0.	0.0	1346.5	11	FEB	1220	77	314.	10.1	1349.7	11	FEB	1625	126	40.	2.3	1347.3
11	FEB	0820	29	0.	0.0	1346.5	11	FEB	1225	78	324.	10.4	1349.8	11	FEB	1630	127	39.	2.3	1347.3
11	FEB	0825	30	0.	0.0	1346.5	11	FEB	1230	79	323.	10.4	1349.8	11	FEB	1635	128	37.	2.2	1347.3
11	FEB	0830	31	0.	0.0	1346.5	11	FEB	1235	80	314.	10.2	1349.7	11	FEB	1640	129	36.	2.2	1347.3
11	FEB	0835	32	0.	0.0	1346.5	11	FEB	1240	81	301.	9.8	1349.6	11	FEB	1645	130	35.	2.2	1347.2
11	FEB	0840	33	0.	0.0	1346.5	11	FEB	1245	82	284.	9.4	1349.5	11	FEB	1650	131	34.	2.1	1347.2
11	FEB	0845	34	0.	0.0	1346.5	11	FEB	1250	83	266.	9.0	1349.4	11	FEB	1655	132	33.	2.1	1347.2
11	FEB	0850	35	0.	0.0	1346.5	11	FEB	1255	84	247.	8.5	1349.3	11	FEB	1700	133	32.	2.0	1347.2
11	FEB	0855	36	0.	0.0	1346.5	11	FEB	1300	85	229.	8.0	1349.1	11	FEB	1705	134	31.	2.0	1347.2
11	FEB	0900	37	0.	0.0	1346.5	11	FEB	1305	86	212.	7.6	1349.0	11	FEB	1710	135	31.	2.0	1347.2
11	FEB	0905	38	0.	0.0	1346.5	11	FEB	1310	87	197.	7.2	1348.9	11	FEB	1715	136	30.	1.9	1347.2
11	FEB	0910	39	0.	0.0	1346.5	11	FEB	1315	88	184.	6.9	1348.8	11	FEB	1720	137	29.	1.9	1347.2
11	FEB	0915	40	0.	0.0	1346.5	11	FEB	1320	89	171.	6.5	1348.7	11	FEB	1725	138	29.	1.9	1347.2
11	FEB	0920	41	0.	0.0	1346.5	11	FEB	1325	90	160.	6.2	1348.6	11	FEB	1730	139	28.	1.8	1347.1
11	FEB	0925	42	0.	0.1	1346.5	11	FEB	1330	91	151.	5.9	1348.5	11	FEB	1735	140	28.	1.8	1347.1
11	FEB	0930	43	0.	0.1	1346.5	11	FEB	1335	92	142.	5.7	1348.4	11	FEB	1740	141	27.	1.8	1347.1
11	FEB	0935	44	0.	0.1	1346.5	11	FEB	1340	93	134.	5.5	1348.3	11	FEB	1745	142	27.	1.8	1347.1
11	FEB	0940	45	0.	0.1	1346.5	11	FEB	1345	94	127.	5.3	1348.3	11	FEB	1750	143	26.	1.7	1347.1
11	FEB	0945	46	1.	0.1	1346.5	11	FEB	1350	95	121.	5.1	1348.2	11	FEB	1755	144	25.	1.7	1347.1
11	FEB	0950	47	1.	0.1	1346.6	11	FEB	1355	96	115.	4.9	1348.2	11	FEB	1800	145	25.	1.7	1347.1
11	FEB	0955	48	1.	0.2	1346.6	11	FEB	1400	97	110.	4.8	1348.1							
11	FEB	1000	49	1.	0.2	1346.6	11	FEB	1405	98	105.	4.6	1348.1							

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 324.	6.42		109.	56.	56.	56.
		(INCHES)	4.649	4.786	4.786	4.786
		(AC-FT)	54.	56.	56.	56.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	12.00-HR
+ (AC-FT)	(HR)				
10.	6.42	4.	2.	2.	2.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE

		6-HR	24-HR	72-HR	12.00-HR
+ (FEET)	(HR)				
1349.80	6.42	1347.99	1347.29	1347.29	1347.30

CUMULATIVE AREA = 0.22 SQ MI

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        *            *
75 KK   *   BASIN3   *
        *            *
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11 IN   TIME DATA FOR INPUT TIME SERIES
- JXMIN 30 TIME INTERVAL IN MINUTES
- JXDATE 11FEB93 STARTING DATE
- JXTIME 600 STARTING TIME

SUBBASIN RUNOFF DATA

76 BA   SUBBASIN CHARACTERISTICS
- TAREA 0.15 SUBBASIN AREA

PRECIPITATION DATA

77 PB   STORM 7.80 BASIN TOTAL PRECIPITATION

78 PI   INCREMENTAL PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.06	0.06
0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00						

82 LS   SCS LOSS RATE
- STRTL 0.44 INITIAL ABSTRACTION
- CRVNBR 82.00 CURVE NUMBER
- RTIMP 0.00 PERCENT IMPERVIOUS AREA

83 UD   SCS DIMENSIONLESS UNITGRAPH
- TLAG 0.25 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
17 END-OF-PERIOD ORDINATES

44.	151.	240.	240.	187.	112.	70.	45.	28.	18.
11.	7.	4.	3.	2.	1.	0.			

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HYDROGRAPH AT STATION BASIN3

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	*	11 FEB 1205	74	0.11	0.01	0.10	504.
11 FEB 0605	2	0.02	0.02	0.00	0.	*	11 FEB 1210	75	0.11	0.01	0.10	473.
11 FEB 0610	3	0.02	0.02	0.00	0.	*	11 FEB 1215	76	0.11	0.01	0.10	392.
11 FEB 0615	4	0.02	0.02	0.00	0.	*	11 FEB 1220	77	0.11	0.01	0.10	304.
11 FEB 0620	5	0.02	0.02	0.00	0.	*	11 FEB 1225	78	0.11	0.01	0.10	233.
11 FEB 0625	6	0.02	0.02	0.00	0.	*	11 FEB 1230	79	0.11	0.01	0.10	191.

11 FEB 0630	7	0.02	0.02	0.00	0.	*	11 FEB 1235	80	0.06	0.00	0.05	163.
11 FEB 0635	8	0.02	0.02	0.00	0.	*	11 FEB 1240	81	0.06	0.00	0.05	138.
11 FEB 0640	9	0.02	0.02	0.00	0.	*	11 FEB 1245	82	0.06	0.00	0.05	116.
11 FEB 0645	10	0.02	0.02	0.00	0.	*	11 FEB 1250	83	0.06	0.00	0.05	97.
11 FEB 0650	11	0.02	0.02	0.00	0.	*	11 FEB 1255	84	0.06	0.00	0.05	84.
11 FEB 0655	12	0.02	0.02	0.00	0.	*	11 FEB 1300	85	0.06	0.00	0.05	75.
11 FEB 0700	13	0.02	0.02	0.00	0.	*	11 FEB 1305	86	0.04	0.00	0.04	70.
11 FEB 0705	14	0.02	0.02	0.00	0.	*	11 FEB 1310	87	0.04	0.00	0.04	64.
11 FEB 0710	15	0.02	0.02	0.00	0.	*	11 FEB 1315	88	0.04	0.00	0.04	59.
11 FEB 0715	16	0.02	0.02	0.00	0.	*	11 FEB 1320	89	0.04	0.00	0.04	54.
11 FEB 0720	17	0.02	0.02	0.00	0.	*	11 FEB 1325	90	0.04	0.00	0.04	51.
11 FEB 0725	18	0.02	0.02	0.00	0.	*	11 FEB 1330	91	0.04	0.00	0.04	49.
11 FEB 0730	19	0.02	0.02	0.00	0.	*	11 FEB 1335	92	0.03	0.00	0.03	47.
11 FEB 0735	20	0.02	0.02	0.00	0.	*	11 FEB 1340	93	0.03	0.00	0.03	45.
11 FEB 0740	21	0.02	0.02	0.00	0.	*	11 FEB 1345	94	0.03	0.00	0.03	42.
11 FEB 0745	22	0.02	0.02	0.00	0.	*	11 FEB 1350	95	0.03	0.00	0.03	40.
11 FEB 0750	23	0.02	0.02	0.00	0.	*	11 FEB 1355	96	0.03	0.00	0.03	38.
11 FEB 0755	24	0.02	0.02	0.00	0.	*	11 FEB 1400	97	0.03	0.00	0.03	37.
11 FEB 0800	25	0.02	0.02	0.00	0.	*	11 FEB 1405	98	0.02	0.00	0.02	36.
11 FEB 0805	26	0.02	0.02	0.00	0.	*	11 FEB 1410	99	0.02	0.00	0.02	34.
11 FEB 0810	27	0.02	0.02	0.00	0.	*	11 FEB 1415	100	0.02	0.00	0.02	32.
11 FEB 0815	28	0.02	0.02	0.00	0.	*	11 FEB 1420	101	0.02	0.00	0.02	30.
11 FEB 0820	29	0.02	0.02	0.00	0.	*	11 FEB 1425	102	0.02	0.00	0.02	28.
11 FEB 0825	30	0.02	0.02	0.00	0.	*	11 FEB 1430	103	0.02	0.00	0.02	27.
11 FEB 0830	31	0.02	0.02	0.00	0.	*	11 FEB 1435	104	0.02	0.00	0.02	26.
11 FEB 0835	32	0.02	0.02	0.00	0.	*	11 FEB 1440	105	0.02	0.00	0.02	26.
11 FEB 0840	33	0.02	0.02	0.00	1.	*	11 FEB 1445	106	0.02	0.00	0.02	26.
11 FEB 0845	34	0.02	0.02	0.00	1.	*	11 FEB 1450	107	0.02	0.00	0.02	26.
11 FEB 0850	35	0.02	0.02	0.00	1.	*	11 FEB 1455	108	0.02	0.00	0.02	26.
11 FEB 0855	36	0.02	0.02	0.00	2.	*	11 FEB 1500	109	0.02	0.00	0.02	26.
11 FEB 0900	37	0.02	0.02	0.00	2.	*	11 FEB 1505	110	0.02	0.00	0.02	25.
11 FEB 0905	38	0.02	0.02	0.00	3.	*	11 FEB 1510	111	0.02	0.00	0.02	25.
11 FEB 0910	39	0.02	0.02	0.00	3.	*	11 FEB 1515	112	0.02	0.00	0.02	25.
11 FEB 0915	40	0.02	0.02	0.00	4.	*	11 FEB 1520	113	0.02	0.00	0.02	25.
11 FEB 0920	41	0.02	0.02	0.01	4.	*	11 FEB 1525	114	0.02	0.00	0.02	25.
11 FEB 0925	42	0.02	0.02	0.01	5.	*	11 FEB 1530	115	0.02	0.00	0.02	25.
11 FEB 0930	43	0.02	0.02	0.01	5.	*	11 FEB 1535	116	0.02	0.00	0.02	25.
11 FEB 0935	44	0.03	0.02	0.01	6.	*	11 FEB 1540	117	0.02	0.00	0.02	25.
11 FEB 0940	45	0.03	0.02	0.01	6.	*	11 FEB 1545	118	0.02	0.00	0.02	26.
11 FEB 0945	46	0.03	0.02	0.01	7.	*	11 FEB 1550	119	0.02	0.00	0.02	26.
11 FEB 0950	47	0.03	0.02	0.01	8.	*	11 FEB 1555	120	0.02	0.00	0.02	26.
11 FEB 0955	48	0.03	0.02	0.01	8.	*	11 FEB 1600	121	0.02	0.00	0.02	26.
11 FEB 1000	49	0.03	0.02	0.01	9.	*	11 FEB 1605	122	0.02	0.00	0.01	25.
11 FEB 1005	50	0.04	0.02	0.01	10.	*	11 FEB 1610	123	0.02	0.00	0.01	24.
11 FEB 1010	51	0.04	0.02	0.01	11.	*	11 FEB 1615	124	0.02	0.00	0.01	22.
11 FEB 1015	52	0.04	0.02	0.01	12.	*	11 FEB 1620	125	0.02	0.00	0.01	21.
11 FEB 1020	53	0.04	0.02	0.01	13.	*	11 FEB 1625	126	0.02	0.00	0.01	19.
11 FEB 1025	54	0.04	0.02	0.01	14.	*	11 FEB 1630	127	0.02	0.00	0.01	18.
11 FEB 1030	55	0.04	0.02	0.02	15.	*	11 FEB 1635	128	0.02	0.00	0.01	18.
11 FEB 1035	56	0.05	0.03	0.02	16.	*	11 FEB 1640	129	0.02	0.00	0.01	18.
11 FEB 1040	57	0.05	0.03	0.02	18.	*	11 FEB 1645	130	0.02	0.00	0.01	17.
11 FEB 1045	58	0.05	0.03	0.02	20.	*	11 FEB 1650	131	0.02	0.00	0.01	17.
11 FEB 1050	59	0.05	0.02	0.02	22.	*	11 FEB 1655	132	0.02	0.00	0.01	17.
11 FEB 1055	60	0.05	0.02	0.02	24.	*	11 FEB 1700	133	0.02	0.00	0.01	17.
11 FEB 1100	61	0.05	0.02	0.03	25.	*	11 FEB 1705	134	0.02	0.00	0.01	17.
11 FEB 1105	62	0.07	0.03	0.04	27.	*	11 FEB 1710	135	0.02	0.00	0.01	17.
11 FEB 1110	63	0.07	0.03	0.04	30.	*	11 FEB 1715	136	0.02	0.00	0.01	17.
11 FEB 1115	64	0.07	0.03	0.04	35.	*	11 FEB 1720	137	0.02	0.00	0.01	17.
11 FEB 1120	65	0.07	0.03	0.04	40.	*	11 FEB 1725	138	0.02	0.00	0.01	17.
11 FEB 1125	66	0.07	0.03	0.05	44.	*	11 FEB 1730	139	0.02	0.00	0.01	17.
11 FEB 1130	67	0.07	0.03	0.05	47.	*	11 FEB 1735	140	0.01	0.00	0.01	17.
11 FEB 1135	68	0.59	0.18	0.41	65.	*	11 FEB 1740	141	0.01	0.00	0.01	16.
11 FEB 1140	69	0.59	0.14	0.45	123.	*	11 FEB 1745	142	0.01	0.00	0.01	15.
11 FEB 1145	70	0.59	0.11	0.48	219.	*	11 FEB 1750	143	0.01	0.00	0.01	13.
11 FEB 1150	71	0.59	0.09	0.50	322.	*	11 FEB 1755	144	0.01	0.00	0.01	12.
11 FEB 1155	72	0.59	0.07	0.52	412.	*	11 FEB 1800	145	0.01	0.00	0.01	11.
11 FEB 1200	73	0.59	0.06	0.53	476.	*						
						*						

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TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.13, TOTAL EXCESS = 5.67

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	12.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	504.	6.08		85.	45.	45.	45.
			(INCHES)	5.261	5.633	5.633	5.633
			(AC-FT)	42.	45.	45.	45.

CUMULATIVE AREA = 0.15 SQ MI

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84 KK INTO3

85 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION INTO3
SUM OF 2 HYDROGRAPHS

DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
11 FEB 0600	1	0.	11 FEB 0905	38	3.	11 FEB 1210	75	720.	11 FEB 1515	112	86.
11 FEB 0605	2	0.	11 FEB 0910	39	3.	11 FEB 1215	76	681.	11 FEB 1520	113	84.
11 FEB 0610	3	0.	11 FEB 0915	40	4.	11 FEB 1220	77	618.	11 FEB 1525	114	82.
11 FEB 0615	4	0.	11 FEB 0920	41	4.	11 FEB 1225	78	557.	11 FEB 1530	115	79.
11 FEB 0620	5	0.	11 FEB 0925	42	5.	11 FEB 1230	79	514.	11 FEB 1535	116	78.
11 FEB 0625	6	0.	11 FEB 0930	43	6.	11 FEB 1235	80	477.	11 FEB 1540	117	76.
11 FEB 0630	7	0.	11 FEB 0935	44	6.	11 FEB 1240	81	439.	11 FEB 1545	118	75.
11 FEB 0635	8	0.	11 FEB 0940	45	7.	11 FEB 1245	82	400.	11 FEB 1550	119	73.
11 FEB 0640	9	0.	11 FEB 0945	46	8.	11 FEB 1250	83	363.	11 FEB 1555	120	72.
11 FEB 0645	10	0.	11 FEB 0950	47	8.	11 FEB 1255	84	331.	11 FEB 1600	121	71.
11 FEB 0650	11	0.	11 FEB 0955	48	9.	11 FEB 1300	85	304.	11 FEB 1605	122	69.
11 FEB 0655	12	0.	11 FEB 1000	49	10.	11 FEB 1305	86	282.	11 FEB 1610	123	67.
11 FEB 0700	13	0.	11 FEB 1005	50	11.	11 FEB 1310	87	262.	11 FEB 1615	124	65.
11 FEB 0705	14	0.	11 FEB 1010	51	12.	11 FEB 1315	88	242.	11 FEB 1620	125	62.
11 FEB 0710	15	0.	11 FEB 1015	52	13.	11 FEB 1320	89	225.	11 FEB 1625	126	59.
11 FEB 0715	16	0.	11 FEB 1020	53	15.	11 FEB 1325	90	211.	11 FEB 1630	127	57.
11 FEB 0720	17	0.	11 FEB 1025	54	16.	11 FEB 1330	91	199.	11 FEB 1635	128	55.
11 FEB 0725	18	0.	11 FEB 1030	55	17.	11 FEB 1335	92	189.	11 FEB 1640	129	54.
11 FEB 0730	19	0.	11 FEB 1035	56	19.	11 FEB 1340	93	179.	11 FEB 1645	130	52.
11 FEB 0735	20	0.	11 FEB 1040	57	21.	11 FEB 1345	94	170.	11 FEB 1650	131	51.
11 FEB 0740	21	0.	11 FEB 1045	58	23.	11 FEB 1350	95	161.	11 FEB 1655	132	50.
11 FEB 0745	22	0.	11 FEB 1050	59	26.	11 FEB 1355	96	153.	11 FEB 1700	133	49.
11 FEB 0750	23	0.	11 FEB 1055	60	29.	11 FEB 1400	97	147.	11 FEB 1705	134	48.
11 FEB 0755	24	0.	11 FEB 1100	61	31.	11 FEB 1405	98	141.	11 FEB 1710	135	48.
11 FEB 0800	25	0.	11 FEB 1105	62	33.	11 FEB 1410	99	135.	11 FEB 1715	136	47.
11 FEB 0805	26	0.	11 FEB 1110	63	38.	11 FEB 1415	100	129.	11 FEB 1720	137	46.
11 FEB 0810	27	0.	11 FEB 1115	64	43.	11 FEB 1420	101	123.	11 FEB 1725	138	46.
11 FEB 0815	28	0.	11 FEB 1120	65	50.	11 FEB 1425	102	117.	11 FEB 1730	139	45.
11 FEB 0820	29	0.	11 FEB 1125	66	56.	11 FEB 1430	103	112.	11 FEB 1735	140	44.
11 FEB 0825	30	0.	11 FEB 1130	67	61.	11 FEB 1435	104	108.	11 FEB 1740	141	43.
11 FEB 0830	31	0.	11 FEB 1135	68	83.	11 FEB 1440	105	105.	11 FEB 1745	142	41.
11 FEB 0835	32	0.	11 FEB 1140	69	147.	11 FEB 1445	106	101.	11 FEB 1750	143	39.
11 FEB 0840	33	1.	11 FEB 1145	70	256.	11 FEB 1450	107	98.	11 FEB 1755	144	37.
11 FEB 0845	34	1.	11 FEB 1150	71	383.	11 FEB 1455	108	96.	11 FEB 1800	145	36.
11 FEB 0850	35	1.	11 FEB 1155	72	509.	11 FEB 1500	109	93.			
11 FEB 0855	36	2.	11 FEB 1200	73	619.	11 FEB 1505	110	91.			
11 FEB 0900	37	2.	11 FEB 1205	74	700.	11 FEB 1510	111	88.			

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 720.	6.17		192.	102.	102.	102.
		(INCHES)	4.855	5.131	5.131	5.131
		(AC-FT)	95.	101.	101.	101.

CUMULATIVE AREA = 0.37 SQ MI

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 86 KK    *     POND3  *
          *            *
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             HYDROGRAPH ROUTING DATA

 87 RS          STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC    1345.00  INITIAL CONDITION
                         X       0.00 WORKING R AND D COEFFICIENT

 88 SV           STORAGE         0.0       8.0      16.0      23.0      31.0      35.0

 89 SQ          DISCHARGE          0.       40.      220.      325.      400.      440.

 90 SE          ELEVATION     1344.70   1346.00   1347.00   1348.00   1349.00   1349.50
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HYDROGRAPH AT STATION POND3

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
11	FEB	0600	1	9.	1.8	1345.0	11	FEB	1005	50	4.	0.8	1344.8	11	FEB	1410	99	237.	17.2	1347.2
11	FEB	0605	2	9.	1.8	1345.0	11	FEB	1010	51	4.	0.9	1344.8	11	FEB	1415	100	227.	16.5	1347.1
11	FEB	0610	3	9.	1.7	1345.0	11	FEB	1015	52	5.	0.9	1344.9	11	FEB	1420	101	216.	15.8	1347.0
11	FEB	0615	4	8.	1.7	1345.0	11	FEB	1020	53	5.	1.0	1344.9	11	FEB	1425	102	202.	15.2	1346.9
11	FEB	0620	5	8.	1.6	1345.0	11	FEB	1025	54	5.	1.1	1344.9	11	FEB	1430	103	189.	14.6	1346.8
11	FEB	0625	6	8.	1.6	1345.0	11	FEB	1030	55	6.	1.1	1344.9	11	FEB	1435	104	178.	14.1	1346.8
11	FEB	0630	7	8.	1.5	1344.9	11	FEB	1035	56	6.	1.2	1344.9	11	FEB	1440	105	168.	13.7	1346.7
11	FEB	0635	8	7.	1.5	1344.9	11	FEB	1040	57	7.	1.3	1344.9	11	FEB	1445	106	158.	13.3	1346.7
11	FEB	0640	9	7.	1.4	1344.9	11	FEB	1045	58	7.	1.4	1344.9	11	FEB	1450	107	150.	12.9	1346.6
11	FEB	0645	10	7.	1.4	1344.9	11	FEB	1050	59	8.	1.5	1345.0	11	FEB	1455	108	142.	12.5	1346.6
11	FEB	0650	11	7.	1.3	1344.9	11	FEB	1055	60	8.	1.7	1345.0	11	FEB	1500	109	135.	12.2	1346.5
11	FEB	0655	12	6.	1.3	1344.9	11	FEB	1100	61	9.	1.8	1345.0	11	FEB	1505	110	129.	12.0	1346.5
11	FEB	0700	13	6.	1.2	1344.9	11	FEB	1105	62	10.	2.0	1345.0	11	FEB	1510	111	124.	11.7	1346.5
11	FEB	0705	14	6.	1.2	1344.9	11	FEB	1110	63	11.	2.2	1345.0	11	FEB	1515	112	118.	11.5	1346.4
11	FEB	0710	15	6.	1.1	1344.9	11	FEB	1115	64	12.	2.4	1345.1	11	FEB	1520	113	114.	11.3	1346.4
11	FEB	0715	16	6.	1.1	1344.9	11	FEB	1120	65	13.	2.6	1345.1	11	FEB	1525	114	109.	11.1	1346.4
11	FEB	0720	17	5.	1.1	1344.9	11	FEB	1125	66	14.	2.9	1345.2	11	FEB	1530	115	105.	10.9	1346.4
11	FEB	0725	18	5.	1.0	1344.9	11	FEB	1130	67	16.	3.2	1345.2	11	FEB	1535	116	101.	10.7	1346.3
11	FEB	0730	19	5.	1.0	1344.9	11	FEB	1135	68	18.	3.5	1345.3	11	FEB	1540	117	98.	10.6	1346.3
11	FEB	0735	20	5.	1.0	1344.9	11	FEB	1140	69	21.	4.2	1345.4	11	FEB	1545	118	94.	10.4	1346.3
11	FEB	0740	21	5.	0.9	1344.9	11	FEB	1145	70	27.	5.4	1345.6	11	FEB	1550	119	92.	10.3	1346.3
11	FEB	0745	22	4.	0.9	1344.8	11	FEB	1150	71	37.	7.4	1345.9	11	FEB	1555	120	89.	10.2	1346.3
11	FEB	0750	23	4.	0.9	1344.8	11	FEB	1155	72	86.	10.0	1346.3	11	FEB	1600	121	86.	10.1	1346.3
11	FEB	0755	24	4.	0.8	1344.8	11	FEB	1200	73	155.	13.1	1346.6	11	FEB	1605	122	84.	10.0	1346.2
11	FEB	0800	25	4.	0.8	1344.8	11	FEB	1205	74	225.	16.3	1347.0	11	FEB	1610	123	82.	9.9	1346.2
11	FEB	0805	26	4.	0.8	1344.8	11	FEB	1210	75	273.	19.5	1347.5	11	FEB	1615	124	79.	9.8	1346.2
11	FEB	0810	27	4.	0.8	1344.8	11	FEB	1215	76	315.	22.3	1347.9	11	FEB	1620	125	77.	9.6	1346.2
11	FEB	0815	28	4.	0.7	1344.8	11	FEB	1220	77	339.	24.5	1348.2	11	FEB	1625	126	75.	9.5	1346.2
11	FEB	0820	29	4.	0.7	1344.8	11	FEB	1225	78	355.	26.2	1348.4	11	FEB	1630	127	72.	9.4	1346.2
11	FEB	0825	30	3.	0.7	1344.8	11	FEB	1230	79	366.	27.4	1348.5	11	FEB	1635	128	70.	9.3	1346.2
11	FEB	0830	31	3.	0.7	1344.8	11	FEB	1235	80	374.	28.3	1348.7	11	FEB	1640	129	68.	9.2	1346.2
11	FEB	0835	32	3.	0.6	1344.8	11	FEB	1240	81	379.	28.8	1348.7	11	FEB	1645	130	66.	9.1	1346.1
11	FEB	0840	33	3.	0.6	1344.8	11	FEB	1245	82	382.	29.1	1348.8	11	FEB	1650	131	64.	9.1	1346.1
11	FEB	0845	34	3.	0.6	1344.8	11	FEB	1250	83	382.	29.1	1348.8	11	FEB	1655	132	62.	9.0	1346.1
11	FEB	0850	35	3.	0.6	1344.8	11	FEB	1255	84	380.	28.8	1348.7	11	FEB	1700	133	60.	8.9	1346.1
11	FEB	0855	36	3.	0.6	1344.8	11	FEB	1300	85	376.	28.4	1348.7	11	FEB	1705	134	58.	8.8	1346.1
11	FEB	0900	37	3.	0.6	1344.8	11	FEB	1305	86	371.	27.9	1348.6	11	FEB	1710	135	57.	8.8	1346.1
11	FEB	0905	38	3.	0.6	1344.8	11	FEB	1310	87	364.	27.2	1348.5	11	FEB	1715	136	56.	8.7	1346.1
11	FEB	0910	39	3.	0.6	1344.8	11	FEB	1315	88	357.	26.5	1348.4	11	FEB	1720	137	54.	8.6	1346.1
11	FEB	0915	40	3.	0.6	1344.8	11	FEB	1320	89	350.	25.6	1348.3	11	FEB	1725	138	53.	8.6	1346.1
11	FEB	0920	41	3.	0.6	1344.8	11	FEB	1325	90	341.	24.8	1348.2	11	FEB	1730	139	52.	8.5	1346.1
11	FEB	0925	42	3.	0.6	1344.8	11	FEB	1330	91	333.	23.8	1348.1	11	FEB	1735	140	51.	8.5	1346.1
11	FEB	0930	43	3.	0.6	1344.8	11	FEB	1335	92	324.	22.9	1348.0	11	FEB	1740	141	50.	8.4	1346.1
11	FEB	0935	44	3.	0.6	1344.8	11	FEB	1340	93	310.	22.0	1347.9	11	FEB	1745	142	49.	8.4	1346.0
11	FEB	0940	45	3.	0.7	1344.8	11	FEB	1345	94	297.	21.1	1347.7	11	FEB	1750	143	47.	8.3	1346.0
11	FEB	0945	46	3.	0.7	1344.8	11	FEB	1350	95	284.	20.3	1347.6	11	FEB	1755	144	46.	8.3	1346.0

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 11 FEB 0950  47      4.      0.7  1344.8 * 11 FEB 1355  96     271.      19.4  1347.5 * 11 FEB 1800 145      45.      8.2  1346.0
 11 FEB 0955  48      4.      0.7  1344.8 * 11 FEB 1400  97     259.      18.6  1347.4 *
 11 FEB 1000  49      4.      0.8  1344.8 * 11 FEB 1405  98     248.      17.9  1347.3 *
                                          *                                        *
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  PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     12.00-HR
+   (CFS)       (HR)
                            (CFS)
+     382.      6.75                 182.         95.         95.         95.
                         (INCHES)   4.611       4.807       4.807       4.807
                          (AC-FT)     90.         94.         94.         94.

 PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     12.00-HR
+  (AC-FT)      (HR)
       29.      6.75                  16.          9.          9.          9.

  PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     12.00-HR
+   (FEET)      (HR)
   1348.76      6.75              1346.98     1345.96     1345.96     1345.96

                        CUMULATIVE AREA =     0.37 SQ MI



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                  *            *
     91 KK        *   BASIN4   *
                  *            *
                  **************

     11 IN          TIME DATA FOR INPUT TIME SERIES
                         JXMIN          30  TIME INTERVAL IN MINUTES
                        JXDATE     11FEB93  STARTING DATE
                        JXTIME         600  STARTING TIME

                  SUBBASIN RUNOFF DATA

     92 BA          SUBBASIN CHARACTERISTICS
                         TAREA        0.02  SUBBASIN AREA

                    PRECIPITATION DATA

     93 PB               STORM        7.80  BASIN TOTAL PRECIPITATION

     94 PI            INCREMENTAL PRECIPITATION PATTERN
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01      0.01
                         0.01      0.01      0.01      0.01      0.01      0.01      0.06      0.06      0.06      0.06
                         0.06      0.06      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                         0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                         0.00      0.00      0.00      0.00

     98 LS          SCS LOSS RATE
                         STRTL        0.63  INITIAL ABSTRACTION
                        CRVNBR       76.00  CURVE NUMBER
                         RTIMP        0.00  PERCENT IMPERVIOUS AREA

     99 UD          SCS DIMENSIONLESS UNITGRAPH
                          TLAG        0.25  LAG

                                                 ***

 WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
17 END-OF-PERIOD ORDINATES

6.	19.	30.	30.	23.	14.	9.	6.	4.	2.
1.	1.	1.	0.	0.	0.	0.			

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HYDROGRAPH AT STATION BASIN4

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
11 FEB 0600	1	0.00	0.00	0.00	0.	11 FEB 1205	74	0.11	0.02	0.09	56.
11 FEB 0605	2	0.02	0.02	0.00	0.	11 FEB 1210	75	0.11	0.02	0.10	53.
11 FEB 0610	3	0.02	0.02	0.00	0.	11 FEB 1215	76	0.11	0.02	0.10	44.
11 FEB 0615	4	0.02	0.02	0.00	0.	11 FEB 1220	77	0.11	0.02	0.10	35.
11 FEB 0620	5	0.02	0.02	0.00	0.	11 FEB 1225	78	0.11	0.02	0.10	27.
11 FEB 0625	6	0.02	0.02	0.00	0.	11 FEB 1230	79	0.11	0.02	0.10	22.
11 FEB 0630	7	0.02	0.02	0.00	0.	11 FEB 1235	80	0.06	0.01	0.05	19.
11 FEB 0635	8	0.02	0.02	0.00	0.	11 FEB 1240	81	0.06	0.01	0.05	16.
11 FEB 0640	9	0.02	0.02	0.00	0.	11 FEB 1245	82	0.06	0.01	0.05	14.
11 FEB 0645	10	0.02	0.02	0.00	0.	11 FEB 1250	83	0.06	0.01	0.05	11.
11 FEB 0650	11	0.02	0.02	0.00	0.	11 FEB 1255	84	0.06	0.01	0.05	10.
11 FEB 0655	12	0.02	0.02	0.00	0.	11 FEB 1300	85	0.06	0.01	0.05	9.
11 FEB 0700	13	0.02	0.02	0.00	0.	11 FEB 1305	86	0.04	0.01	0.04	8.
11 FEB 0705	14	0.02	0.02	0.00	0.	11 FEB 1310	87	0.04	0.01	0.04	8.
11 FEB 0710	15	0.02	0.02	0.00	0.	11 FEB 1315	88	0.04	0.01	0.04	7.
11 FEB 0715	16	0.02	0.02	0.00	0.	11 FEB 1320	89	0.04	0.01	0.04	6.
11 FEB 0720	17	0.02	0.02	0.00	0.	11 FEB 1325	90	0.04	0.00	0.04	6.
11 FEB 0725	18	0.02	0.02	0.00	0.	11 FEB 1330	91	0.04	0.00	0.04	6.
11 FEB 0730	19	0.02	0.02	0.00	0.	11 FEB 1335	92	0.03	0.00	0.03	6.
11 FEB 0735	20	0.02	0.02	0.00	0.	11 FEB 1340	93	0.03	0.00	0.03	5.
11 FEB 0740	21	0.02	0.02	0.00	0.	11 FEB 1345	94	0.03	0.00	0.03	5.
11 FEB 0745	22	0.02	0.02	0.00	0.	11 FEB 1350	95	0.03	0.00	0.03	5.
11 FEB 0750	23	0.02	0.02	0.00	0.	11 FEB 1355	96	0.03	0.00	0.03	5.
11 FEB 0755	24	0.02	0.02	0.00	0.	11 FEB 1400	97	0.03	0.00	0.03	4.
11 FEB 0800	25	0.02	0.02	0.00	0.	11 FEB 1405	98	0.02	0.00	0.02	4.
11 FEB 0805	26	0.02	0.02	0.00	0.	11 FEB 1410	99	0.02	0.00	0.02	4.
11 FEB 0810	27	0.02	0.02	0.00	0.	11 FEB 1415	100	0.02	0.00	0.02	4.
11 FEB 0815	28	0.02	0.02	0.00	0.	11 FEB 1420	101	0.02	0.00	0.02	4.
11 FEB 0820	29	0.02	0.02	0.00	0.	11 FEB 1425	102	0.02	0.00	0.02	3.
11 FEB 0825	30	0.02	0.02	0.00	0.	11 FEB 1430	103	0.02	0.00	0.02	3.
11 FEB 0830	31	0.02	0.02	0.00	0.	11 FEB 1435	104	0.02	0.00	0.02	3.
11 FEB 0835	32	0.02	0.02	0.00	0.	11 FEB 1440	105	0.02	0.00	0.02	3.
11 FEB 0840	33	0.02	0.02	0.00	0.	11 FEB 1445	106	0.02	0.00	0.02	3.
11 FEB 0845	34	0.02	0.02	0.00	0.	11 FEB 1450	107	0.02	0.00	0.02	3.
11 FEB 0850	35	0.02	0.02	0.00	0.	11 FEB 1455	108	0.02	0.00	0.02	3.
11 FEB 0855	36	0.02	0.02	0.00	0.	11 FEB 1500	109	0.02	0.00	0.02	3.
11 FEB 0900	37	0.02	0.02	0.00	0.	11 FEB 1505	110	0.02	0.00	0.02	3.
11 FEB 0905	38	0.02	0.02	0.00	0.	11 FEB 1510	111	0.02	0.00	0.02	3.
11 FEB 0910	39	0.02	0.02	0.00	0.	11 FEB 1515	112	0.02	0.00	0.02	3.
11 FEB 0915	40	0.02	0.02	0.00	0.	11 FEB 1520	113	0.02	0.00	0.02	3.
11 FEB 0920	41	0.02	0.02	0.00	0.	11 FEB 1525	114	0.02	0.00	0.02	3.
11 FEB 0925	42	0.02	0.02	0.00	0.	11 FEB 1530	115	0.02	0.00	0.02	3.
11 FEB 0930	43	0.02	0.02	0.00	0.	11 FEB 1535	116	0.02	0.00	0.02	3.
11 FEB 0935	44	0.03	0.03	0.00	0.	11 FEB 1540	117	0.02	0.00	0.02	3.
11 FEB 0940	45	0.03	0.02	0.00	0.	11 FEB 1545	118	0.02	0.00	0.02	3.
11 FEB 0945	46	0.03	0.02	0.00	0.	11 FEB 1550	119	0.02	0.00	0.02	3.
11 FEB 0950	47	0.03	0.02	0.00	0.	11 FEB 1555	120	0.02	0.00	0.02	3.
11 FEB 0955	48	0.03	0.02	0.00	0.	11 FEB 1600	121	0.02	0.00	0.02	3.
11 FEB 1000	49	0.03	0.02	0.00	0.	11 FEB 1605	122	0.02	0.00	0.01	3.
11 FEB 1005	50	0.04	0.03	0.01	1.	11 FEB 1610	123	0.02	0.00	0.01	3.
11 FEB 1010	51	0.04	0.03	0.01	1.	11 FEB 1615	124	0.02	0.00	0.01	3.
11 FEB 1015	52	0.04	0.03	0.01	1.	11 FEB 1620	125	0.02	0.00	0.01	2.
11 FEB 1020	53	0.04	0.03	0.01	1.	11 FEB 1625	126	0.02	0.00	0.01	2.
11 FEB 1025	54	0.04	0.03	0.01	1.	11 FEB 1630	127	0.02	0.00	0.01	2.
11 FEB 1030	55	0.04	0.03	0.01	1.	11 FEB 1635	128	0.02	0.00	0.01	2.
11 FEB 1035	56	0.05	0.03	0.01	1.	11 FEB 1640	129	0.02	0.00	0.01	2.
11 FEB 1040	57	0.05	0.03	0.01	1.	11 FEB 1645	130	0.02	0.00	0.01	2.
11 FEB 1045	58	0.05	0.03	0.01	1.	11 FEB 1650	131	0.02	0.00	0.01	2.
11 FEB 1050	59	0.05	0.03	0.02	2.	11 FEB 1655	132	0.02	0.00	0.01	2.
11 FEB 1055	60	0.05	0.03	0.02	2.	11 FEB 1700	133	0.02	0.00	0.01	2.
11 FEB 1100	61	0.05	0.03	0.02	2.	11 FEB 1705	134	0.02	0.00	0.01	2.
11 FEB 1105	62	0.07	0.05	0.03	2.	11 FEB 1710	135	0.02	0.00	0.01	2.
11 FEB 1110	63	0.07	0.04	0.03	3.	11 FEB 1715	136	0.02	0.00	0.01	2.
11 FEB 1115	64	0.07	0.04	0.03	3.	11 FEB 1720	137	0.02	0.00	0.01	2.
11 FEB 1120	65	0.07	0.04	0.03	4.	11 FEB 1725	138	0.02	0.00	0.01	2.
11 FEB 1125	66	0.07	0.04	0.03	4.	11 FEB 1730	139	0.02	0.00	0.01	2.

11	FEB	1130	67	0.07	0.04	0.04	4.	*	11	FEB	1735	140	0.01	0.00	0.01	2.
11	FEB	1135	68	0.59	0.27	0.32	6.	*	11	FEB	1740	141	0.01	0.00	0.01	2.
11	FEB	1140	69	0.59	0.21	0.38	12.	*	11	FEB	1745	142	0.01	0.00	0.01	2.
11	FEB	1145	70	0.59	0.17	0.42	22.	*	11	FEB	1750	143	0.01	0.00	0.01	2.
11	FEB	1150	71	0.59	0.14	0.45	34.	*	11	FEB	1755	144	0.01	0.00	0.01	1.
11	FEB	1155	72	0.59	0.12	0.47	44.	*	11	FEB	1800	145	0.01	0.00	0.01	1.
11	FEB	1200	73	0.59	0.10	0.49	52.	*								

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TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.82, TOTAL EXCESS = 4.98

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 56.	6.08		9.	5.	5.	5.
		(INCHES)	4.679	4.940	4.940	4.940
		(AC-FT)	5.	5.	5.	5.

CUMULATIVE AREA = 0.02 SQ MI

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100 KK     *    INTO4   *
           *            *
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101 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION INTO4
SUM OF 2 HYDROGRAPHS

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DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
11 FEB 0600	1	9.	*	11 FEB 0905	38	3.	*	11 FEB 1210	75	326.	*	11 FEB 1515	112	121.
11 FEB 0605	2	9.	*	11 FEB 0910	39	3.	*	11 FEB 1215	76	359.	*	11 FEB 1520	113	117.
11 FEB 0610	3	9.	*	11 FEB 0915	40	3.	*	11 FEB 1220	77	374.	*	11 FEB 1525	114	112.
11 FEB 0615	4	8.	*	11 FEB 0920	41	3.	*	11 FEB 1225	78	382.	*	11 FEB 1530	115	108.
11 FEB 0620	5	8.	*	11 FEB 0925	42	3.	*	11 FEB 1230	79	388.	*	11 FEB 1535	116	104.
11 FEB 0625	6	8.	*	11 FEB 0930	43	3.	*	11 FEB 1235	80	393.	*	11 FEB 1540	117	101.
11 FEB 0630	7	8.	*	11 FEB 0935	44	3.	*	11 FEB 1240	81	396.	*	11 FEB 1545	118	98.
11 FEB 0635	8	7.	*	11 FEB 0940	45	3.	*	11 FEB 1245	82	395.	*	11 FEB 1550	119	95.
11 FEB 0640	9	7.	*	11 FEB 0945	46	4.	*	11 FEB 1250	83	393.	*	11 FEB 1555	120	92.
11 FEB 0645	10	7.	*	11 FEB 0950	47	4.	*	11 FEB 1255	84	390.	*	11 FEB 1600	121	89.
11 FEB 0650	11	7.	*	11 FEB 0955	48	4.	*	11 FEB 1300	85	385.	*	11 FEB 1605	122	87.
11 FEB 0655	12	6.	*	11 FEB 1000	49	4.	*	11 FEB 1305	86	379.	*	11 FEB 1610	123	85.
11 FEB 0700	13	6.	*	11 FEB 1005	50	5.	*	11 FEB 1310	87	372.	*	11 FEB 1615	124	82.
11 FEB 0705	14	6.	*	11 FEB 1010	51	5.	*	11 FEB 1315	88	364.	*	11 FEB 1620	125	80.
11 FEB 0710	15	6.	*	11 FEB 1015	52	5.	*	11 FEB 1320	89	356.	*	11 FEB 1625	126	77.
11 FEB 0715	16	6.	*	11 FEB 1020	53	6.	*	11 FEB 1325	90	347.	*	11 FEB 1630	127	74.
11 FEB 0720	17	5.	*	11 FEB 1025	54	6.	*	11 FEB 1330	91	339.	*	11 FEB 1635	128	72.
11 FEB 0725	18	5.	*	11 FEB 1030	55	7.	*	11 FEB 1335	92	329.	*	11 FEB 1640	129	70.
11 FEB 0730	19	5.	*	11 FEB 1035	56	7.	*	11 FEB 1340	93	315.	*	11 FEB 1645	130	68.
11 FEB 0735	20	5.	*	11 FEB 1040	57	8.	*	11 FEB 1345	94	302.	*	11 FEB 1650	131	66.
11 FEB 0740	21	5.	*	11 FEB 1045	58	9.	*	11 FEB 1350	95	289.	*	11 FEB 1655	132	64.
11 FEB 0745	22	4.	*	11 FEB 1050	59	9.	*	11 FEB 1355	96	276.	*	11 FEB 1700	133	62.
11 FEB 0750	23	4.	*	11 FEB 1055	60	10.	*	11 FEB 1400	97	264.	*	11 FEB 1705	134	60.
11 FEB 0755	24	4.	*	11 FEB 1100	61	11.	*	11 FEB 1405	98	252.	*	11 FEB 1710	135	59.
11 FEB 0800	25	4.	*	11 FEB 1105	62	12.	*	11 FEB 1410	99	241.	*	11 FEB 1715	136	58.
11 FEB 0805	26	4.	*	11 FEB 1110	63	13.	*	11 FEB 1415	100	231.	*	11 FEB 1720	137	56.
11 FEB 0810	27	4.	*	11 FEB 1115	64	15.	*	11 FEB 1420	101	219.	*	11 FEB 1725	138	55.
11 FEB 0815	28	4.	*	11 FEB 1120	65	16.	*	11 FEB 1425	102	205.	*	11 FEB 1730	139	54.
11 FEB 0820	29	4.	*	11 FEB 1125	66	18.	*	11 FEB 1430	103	193.	*	11 FEB 1735	140	53.
11 FEB 0825	30	3.	*	11 FEB 1130	67	20.	*	11 FEB 1435	104	181.	*	11 FEB 1740	141	52.
11 FEB 0830	31	3.	*	11 FEB 1135	68	24.	*	11 FEB 1440	105	171.	*	11 FEB 1745	142	50.
11 FEB 0835	32	3.	*	11 FEB 1140	69	33.	*	11 FEB 1445	106	161.	*	11 FEB 1750	143	49.

11	FEB	0840	33	3.	*	11	FEB	1145	70	49.	*	11	FEB	1450	107	153.	*	11	FEB	1755	144	48.	
11	FEB	0845	34	3.	*	11	FEB	1150	71	71.	*	11	FEB	1455	108	145.	*	11	FEB	1800	145	46.	
11	FEB	0850	35	3.	*	11	FEB	1155	72	130.	*	11	FEB	1500	109	139.	*						
11	FEB	0855	36	3.	*	11	FEB	1200	73	207.	*	11	FEB	1505	110	132.	*						
11	FEB	0900	37	3.	*	11	FEB	1205	74	281.	*	11	FEB	1510	111	127.	*						

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 396.	6.67		191.	100.	100.	100.
		(INCHES)	4.599	4.813	4.813	4.813
		(AC-FT)	95.	99.	99.	99.

CUMULATIVE AREA = 0.39 SQ MI

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          *            *
102 KK    *    POND4   *
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HYDROGRAPH ROUTING DATA

103 RS STORAGE ROUTING
NSTPS 1 NUMBER OF SUBREACHES
ITYP ELEV TYPE OF INITIAL CONDITION
RSVRIC 1344.70 INITIAL CONDITION
X 0.00 WORKING R AND D COEFFICIENT

104 SV	STORAGE	0.0	0.6	1.1	1.7	2.3	2.8
105 SQ	DISCHARGE	0.	40.	210.	350.	450.	530.
106 SE	ELEVATION	1344.70	1345.70	1346.70	1347.70	1348.70	1349.70

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*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 40. TO 210.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION POND4

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
11	FEB	0600	1	0.	0.0	1344.7	11	FEB	1005	50	4.	0.1	1344.8	11	FEB	1410	99	248.	1.3	1347.0
11	FEB	0605	2	3.	0.1	1344.8	11	FEB	1010	51	4.	0.1	1344.8	11	FEB	1415	100	237.	1.2	1346.9
11	FEB	0610	3	5.	0.1	1344.8	11	FEB	1015	52	5.	0.1	1344.8	11	FEB	1420	101	226.	1.2	1346.8
11	FEB	0615	4	7.	0.1	1344.9	11	FEB	1020	53	5.	0.1	1344.8	11	FEB	1425	102	214.	1.1	1346.7
11	FEB	0620	5	7.	0.1	1344.9	11	FEB	1025	54	5.	0.1	1344.8	11	FEB	1430	103	199.	1.1	1346.6
11	FEB	0625	6	7.	0.1	1344.9	11	FEB	1030	55	6.	0.1	1344.8	11	FEB	1435	104	186.	1.0	1346.6
11	FEB	0630	7	8.	0.1	1344.9	11	FEB	1035	56	6.	0.1	1344.9	11	FEB	1440	105	175.	1.0	1346.5
11	FEB	0635	8	7.	0.1	1344.9	11	FEB	1040	57	7.	0.1	1344.9	11	FEB	1445	106	165.	1.0	1346.4
11	FEB	0640	9	7.	0.1	1344.9	11	FEB	1045	58	7.	0.1	1344.9	11	FEB	1450	107	157.	0.9	1346.4
11	FEB	0645	10	7.	0.1	1344.9	11	FEB	1050	59	8.	0.1	1344.9	11	FEB	1455	108	149.	0.9	1346.3
11	FEB	0650	11	7.	0.1	1344.9	11	FEB	1055	60	9.	0.1	1344.9	11	FEB	1500	109	141.	0.9	1346.3
11	FEB	0655	12	7.	0.1	1344.9	11	FEB	1100	61	9.	0.1	1344.9	11	FEB	1505	110	135.	0.9	1346.3
11	FEB	0700	13	7.	0.1	1344.9	11	FEB	1105	62	10.	0.2	1345.0	11	FEB	1510	111	129.	0.9	1346.2
11	FEB	0705	14	6.	0.1	1344.9	11	FEB	1110	63	11.	0.2	1345.0	11	FEB	1515	112	124.	0.8	1346.2
11	FEB	0710	15	6.	0.1	1344.9	11	FEB	1115	64	12.	0.2	1345.0	11	FEB	1520	113	119.	0.8	1346.2
11	FEB	0715	16	6.	0.1	1344.8	11	FEB	1120	65	14.	0.2	1345.0	11	FEB	1525	114	114.	0.8	1346.1
11	FEB	0720	17	6.	0.1	1344.8	11	FEB	1125	66	15.	0.2	1345.1	11	FEB	1530	115	110.	0.8	1346.1
11	FEB	0725	18	6.	0.1	1344.8	11	FEB	1130	67	17.	0.2	1345.1	11	FEB	1535	116	106.	0.8	1346.1
11	FEB	0730	19	5.	0.1	1344.8	11	FEB	1135	68	19.	0.3	1345.2	11	FEB	1540	117	102.	0.8	1346.1
11	FEB	0735	20	5.	0.1	1344.8	11	FEB	1140	69	22.	0.3	1345.3	11	FEB	1545	118	99.	0.8	1346.0
11	FEB	0740	21	5.	0.1	1344.8	11	FEB	1145	70	29.	0.4	1345.4	11	FEB	1550	119	96.	0.8	1346.0
11	FEB	0745	22	5.	0.1	1344.8	11	FEB	1150	71	42.	0.6	1345.7	11	FEB	1555	120	93.	0.8	1346.0

11 FEB 0750	23	5.	0.1	1344.8	*	11 FEB 1155	72	105.	0.8	1346.1	*	11 FEB 1600	121	90.	0.7	1346.0
11 FEB 0755	24	5.	0.1	1344.8	*	11 FEB 1200	73	173.	1.0	1346.5	*	11 FEB 1605	122	88.	0.7	1346.0
11 FEB 0800	25	4.	0.1	1344.8	*	11 FEB 1205	74	243.	1.2	1346.9	*	11 FEB 1610	123	86.	0.7	1346.0
11 FEB 0805	26	4.	0.1	1344.8	*	11 FEB 1210	75	297.	1.5	1347.3	*	11 FEB 1615	124	83.	0.7	1346.0
11 FEB 0810	27	4.	0.1	1344.8	*	11 FEB 1215	76	337.	1.6	1347.6	*	11 FEB 1620	125	81.	0.7	1345.9
11 FEB 0815	28	4.	0.1	1344.8	*	11 FEB 1220	77	361.	1.8	1347.8	*	11 FEB 1625	126	78.	0.7	1345.9
11 FEB 0820	29	4.	0.1	1344.8	*	11 FEB 1225	78	373.	1.8	1347.9	*	11 FEB 1630	127	76.	0.7	1345.9
11 FEB 0825	30	4.	0.1	1344.8	*	11 FEB 1230	79	382.	1.9	1348.0	*	11 FEB 1635	128	73.	0.7	1345.9
11 FEB 0830	31	4.	0.1	1344.8	*	11 FEB 1235	80	388.	1.9	1348.1	*	11 FEB 1640	129	71.	0.7	1345.9
11 FEB 0835	32	3.	0.1	1344.8	*	11 FEB 1240	81	393.	2.0	1348.1	*	11 FEB 1645	130	69.	0.7	1345.9
11 FEB 0840	33	3.	0.0	1344.8	*	11 FEB 1245	82	395.	2.0	1348.1	*	11 FEB 1650	131	67.	0.7	1345.9
11 FEB 0845	34	3.	0.0	1344.8	*	11 FEB 1250	83	394.	2.0	1348.1	*	11 FEB 1655	132	65.	0.7	1345.8
11 FEB 0850	35	3.	0.0	1344.8	*	11 FEB 1255	84	392.	2.0	1348.1	*	11 FEB 1700	133	63.	0.7	1345.8
11 FEB 0855	36	3.	0.0	1344.8	*	11 FEB 1300	85	389.	1.9	1348.1	*	11 FEB 1705	134	61.	0.7	1345.8
11 FEB 0900	37	3.	0.0	1344.8	*	11 FEB 1305	86	384.	1.9	1348.0	*	11 FEB 1710	135	60.	0.7	1345.8
11 FEB 0905	38	3.	0.0	1344.8	*	11 FEB 1310	87	378.	1.9	1348.0	*	11 FEB 1715	136	58.	0.7	1345.8
11 FEB 0910	39	3.	0.0	1344.8	*	11 FEB 1315	88	371.	1.8	1347.9	*	11 FEB 1720	137	57.	0.6	1345.8
11 FEB 0915	40	3.	0.0	1344.8	*	11 FEB 1320	89	363.	1.8	1347.8	*	11 FEB 1725	138	56.	0.6	1345.8
11 FEB 0920	41	3.	0.0	1344.8	*	11 FEB 1325	90	355.	1.7	1347.7	*	11 FEB 1730	139	54.	0.6	1345.8
11 FEB 0925	42	3.	0.0	1344.8	*	11 FEB 1330	91	345.	1.7	1347.7	*	11 FEB 1735	140	53.	0.6	1345.8
11 FEB 0930	43	3.	0.0	1344.8	*	11 FEB 1335	92	335.	1.6	1347.6	*	11 FEB 1740	141	52.	0.6	1345.8
11 FEB 0935	44	3.	0.0	1344.8	*	11 FEB 1340	93	324.	1.6	1347.5	*	11 FEB 1745	142	51.	0.6	1345.8
11 FEB 0940	45	3.	0.0	1344.8	*	11 FEB 1345	94	310.	1.5	1347.4	*	11 FEB 1750	143	50.	0.6	1345.8
11 FEB 0945	46	3.	0.1	1344.8	*	11 FEB 1350	95	297.	1.5	1347.3	*	11 FEB 1755	144	48.	0.6	1345.7
11 FEB 0950	47	4.	0.1	1344.8	*	11 FEB 1355	96	284.	1.4	1347.2	*	11 FEB 1800	145	47.	0.6	1345.7
11 FEB 0955	48	4.	0.1	1344.8	*	11 FEB 1400	97	271.	1.4	1347.1	*					
11 FEB 1000	49	4.	0.1	1344.8	*	11 FEB 1405	98	260.	1.3	1347.1	*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	12.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 395.	6.75		191.	99.	99.	99.
		(INCHES)	4.594	4.783	4.783	4.783
		(AC-FT)	95.	99.	99.	99.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	12.00-HR
+ (AC-FT)	(HR)				
2.	6.75	1.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	12.00-HR
+ (FEET)	(HR)				
1348.15	6.75	1346.67	1345.78	1345.78	1345.78

CUMULATIVE AREA = 0.39 SQ MI

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RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+					6-HOUR	24-HOUR	72-HOUR			
	HYDROGRAPH AT									
+		EAST	199.	6.08	33.	18.	18.	0.06		
	ROUTED TO									
+		PONDA	63.	6.58	33.	17.	17.	0.06		
+									1356.04	6.58
	HYDROGRAPH AT									
+		RRWEST	169.	6.25	35.	18.	18.	0.08		
	ROUTED TO									
+		PONDB	158.	6.33	35.	18.	18.	0.08		
+									1351.69	6.33
	HYDROGRAPH AT									
+		WEST	50.	6.08	8.	4.	4.	0.01		
	HYDROGRAPH AT									
+		BASIN1	15.	6.08	3.	1.	1.	0.00		
	HYDROGRAPH AT									

+		BASIN2	191.	6.08	32.	17.	17.	0.06	
+	5 COMBINED AT	INTO2	424.	6.17	110.	58.	58.	0.22	
+	ROUTED TO	PON1$2	324.	6.42	109.	56.	56.	0.22	1349.80 6.42
+	HYDROGRAPH AT	BASIN3	504.	6.08	85.	45.	45.	0.15	
+	2 COMBINED AT	INTO3	720.	6.17	192.	102.	102.	0.37	
+	ROUTED TO	POND3	382.	6.75	182.	95.	95.	0.37	1348.76 6.75
+	HYDROGRAPH AT	BASIN4	56.	6.08	9.	5.	5.	0.02	
+	2 COMBINED AT	INTO4	396.	6.67	191.	100.	100.	0.39	
+	ROUTED TO	POND4	395.	6.75	191.	99.	99.	0.39	1348.15 6.75

*** NORMAL END OF HEC-1 ***