Area #1

Residential Conditions		
D.A. =	0.77	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.57	
"C100" =	0.78	
Q5 =	2.0	cfs
Q100 =	4.4	cfs

Commercially Developed		
D.A. =	0.77	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.87	
"C100" =	0.89	
Q5 =	3.1	cfs
Q100 =	5.1	cfs

Detained Peak Flow Rates		
Q5 =	0.8	cfs
Q100 =	2.3	cfs

Area #2

Residential Conditions		
D.A. =	0.52	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.57	
"C100" =	0.78	
Q5 =	1.4	cfs
Q100 =	3.0	cfs

Commercially Developed		
D.A. =	0.52	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.87	
"C100" =	0.89	
Q5 =	2.1	cfs
Q100 =	3.4	cfs

Detained Peak Flow Rates		
Q5 =	0.7	cfs
Q100 =	1.2	cfs

Area #3

Residential Conditions		
D.A. =	1.07	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.57	
"C100" =	0.78	
Q5 =	2.8	cfs
Q100 =	6.2	cfs

Commercially Developed		
D.A. =	1.07	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.87	
"C100" =	0.89	
Q5 =	4.2	cfs
Q100 =	7.0	cfs

Detained Peak Flow Rates		
Q5 =	1.4	cfs
Q100 =	3.6	cfs

Area #4

Residential Conditions		
D.A. =	3.24	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.57	
"C100" =	0.78	
Q5 =	8.4	cfs
Q100 =	18.6	cfs

Commercially Developed		
D.A. =	3.24	acres
Tc =	15	min.
"I5" =	4.56	in/hr.
"I100" =	7.37	in/hr.
"C5" =	0.87	
"C100" =	0.89	
Q5 =	12.9	cfs
Q100 =	21.3	cfs

Detained Peak Flow Rates		
Q5 =	6.7	cfs
Q100 =	12.0	cfs

Minimum Time Of Concetration = 15 min. per City of Wichita's Interim Drainage and Storm Sewer Policy, Item 8d
Rational Method runoff coefficients obtained from Attachment D, City of Wichita's Drainage and Storm Sewer Policy

Detention Volume						
Depth ft.	Area sq. ft.	Avg. Area sq. ft.	Delta z ft	Incremental Volume cu. ft.	Cummulative Volume cu. ft.	Cummulative Volume ac-ft
0	0					
		392.7	0.1	39.27	39.27	0.0009
0.1	785.4					
		1963.5	0.1	196.35	235.62	0.0054
0.2	3141.6					
		5105.1	0.1	510.51	746.13	0.0171
0.3	7068.6					
		9817.5	0.1	981.75	1727.88	0.0397
0.4	12566.4					
		16100.68	0.1	1610.0675	3337.9475	0.0766
0.5	19634.95					
		23954.63	0.1	2395.4625	5733.41	0.1316
0.6	28274.3					
		33379.4	0.1	3337.94	9071.35	0.2082
0.7	38484.5					
		44375	0.1	4437.5	13508.85	0.3101
0.8	50265.5					
		56941.4	0.1	5694.14	19202.99	0.4408
0.9	63617.3					
		71078.55	0.1	7107.855	26310.845	0.6040
1	78539.8					
		86786.5	0.1	8678.65	34989.495	0.8032
1.1	95033.2					

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/03/99  TIME  14:05:43   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*          (916) 551-1748               *
*                                       *
*****************************************
```

```
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

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

  1           ID  DAVIS MOORE FACILITY
  2           IT       5 21JAN99       0     300
  3           IO       0       0
              *
  4           KK    MAIN
  5           BA   .0012
  6           PH       0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
              *     20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *     50       0   0.464  0.9575    1.69    1.98    2.16    2.52
  7           UD     .15
  8           LS       0      98
              *
  9           ZZ
```

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/03/99  TIME  14:05:43   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*          (916) 551-1748               *
*                                       *
*****************************************
```

DAVIS MOORE FACILITY

```
3 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     21JAN99  STARTING DATE
```

ITIME	0000	STARTING TIME
NQ	300	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	22JAN99	ENDING DATE
NDTIME	0055	ENDING TIME
ICENT	19	CENTURY MARK

COMPUTATION INTERVAL 0.08 HOURS
TOTAL TIME BASE 24.92 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

*** ***

4 KK

****
* *
* MAIN *
* *
****

SUBBASIN RUNOFF DATA

5 BA SUBBASIN CHARACTERISTICS

TAREA	0.00	SUBBASIN AREA

PRECIPITATION DATA

6 PH

DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.86	1.84	3.73	4.60	5.04	5.94	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.00

8 LS SCS LOSS RATE

STRTL	0.04	INITIAL ABSTRACTION
CRVNBR	98.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

7 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.15	LAG

***

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

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES

1.	3.	3.	1.	1.	0.	0.	0.	0.	0.
0.									

HYDROGRAPH AT STATION MAIN

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
21 JAN 0000	1	0.00	0.00	0.00	0.
21 JAN 0005	2	0.02	0.02	0.00	0.
21 JAN 0010	3	0.02	0.02	0.00	0.
21 JAN 0015	4	0.02	0.02	0.00	0.
21 JAN 0020	5	0.02	0.02	0.01	0.
21 JAN 0025	6	0.02	0.01	0.01	0.
21 JAN 0030	7	0.02	0.01	0.01	0.
21 JAN 0035	8	0.02	0.01	0.01	0.
21 JAN 0040	9	0.02	0.01	0.01	0.
21 JAN 0045	10	0.02	0.01	0.02	0.
21 JAN 0050	11	0.02	0.01	0.02	0.
21 JAN 0055	12	0.03	0.01	0.02	0.
21 JAN 0100	13	0.03	0.01	0.02	0.
21 JAN 0105	14	0.03	0.01	0.02	0.
21 JAN 0110	15	0.03	0.01	0.02	0.
21 JAN 0115	16	0.03	0.00	0.02	0.
21 JAN 0120	17	0.03	0.00	0.03	0.
21 JAN 0125	18	0.03	0.00	0.03	0.
21 JAN 0130	19	0.03	0.00	0.03	0.
21 JAN 0135	20	0.03	0.00	0.03	0.
21 JAN 0140	21	0.03	0.00	0.03	0.
21 JAN 0145	22	0.03	0.00	0.03	0.
21 JAN 0150	23	0.04	0.00	0.03	0.
21 JAN 0155	24	0.04	0.00	0.04	0.
21 JAN 0200	25	0.04	0.00	0.04	0.
21 JAN 0205	26	0.06	0.00	0.06	0.
21 JAN 0210	27	0.06	0.00	0.06	0.
21 JAN 0215	28	0.07	0.00	0.06	0.
21 JAN 0220	29	0.07	0.00	0.07	1.
21 JAN 0225	30	0.08	0.00	0.08	1.
21 JAN 0230	31	0.09	0.00	0.08	1.
21 JAN 0235	32	0.14	0.00	0.13	1.
21 JAN 0240	33	0.15	0.00	0.15	1.
21 JAN 0245	34	0.18	0.00	0.17	1.
21 JAN 0250	35	0.28	0.00	0.28	1.
21 JAN 0255	36	0.34	0.00	0.34	2.
21 JAN 0300	37	0.58	0.00	0.58	3.
21 JAN 0305	38	0.86	0.00	0.86	4.
21 JAN 0310	39	0.40	0.00	0.40	5.
21 JAN 0315	40	0.31	0.00	0.30	5.
21 JAN 0320	41	0.19	0.00	0.19	4.
21 JAN 0325	42	0.16	0.00	0.16	3.
21 JAN 0330	43	0.14	0.00	0.14	2.
21 JAN 0335	44	0.09	0.00	0.09	2.
21 JAN 0340	45	0.08	0.00	0.08	1.
21 JAN 0345	46	0.08	0.00	0.08	1.
21 JAN 0350	47	0.07	0.00	0.07	1.
21 JAN 0355	48	0.06	0.00	0.06	1.
21 JAN 0400	49	0.06	0.00	0.06	1.
21 JAN 0405	50	0.04	0.00	0.04	1.
21 JAN 0410	51	0.04	0.00	0.04	1.
21 JAN 0415	52	0.04	0.00	0.04	0.
21 JAN 0420	53	0.04	0.00	0.04	0.
21 JAN 0425	54	0.03	0.00	0.03	0.
21 JAN 0430	55	0.03	0.00	0.03	0.
21 JAN 0435	56	0.03	0.00	0.03	0.
21 JAN 0440	57	0.03	0.00	0.03	0.
21 JAN 0445	58	0.03	0.00	0.03	0.
21 JAN 0450	59	0.03	0.00	0.03	0.
21 JAN 0455	60	0.03	0.00	0.03	0.
21 JAN 0500	61	0.03	0.00	0.03	0.
21 JAN 0505	62	0.03	0.00	0.03	0.
21 JAN 0510	63	0.03	0.00	0.03	0.
21 JAN 0515	64	0.02	0.00	0.02	0.
21 JAN 0520	65	0.02	0.00	0.02	0.
21 JAN 0525	66	0.02	0.00	0.02	0.
21 JAN 0530	67	0.02	0.00	0.02	0.
21 JAN 0535	68	0.02	0.00	0.02	0.
21 JAN 0540	69	0.02	0.00	0.02	0.
21 JAN 0545	70	0.02	0.00	0.02	0.

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
21 JAN 1230	151	0.00	0.00	0.00	0.
21 JAN 1235	152	0.00	0.00	0.00	0.
21 JAN 1240	153	0.00	0.00	0.00	0.
21 JAN 1245	154	0.00	0.00	0.00	0.
21 JAN 1250	155	0.00	0.00	0.00	0.
21 JAN 1255	156	0.00	0.00	0.00	0.
21 JAN 1300	157	0.00	0.00	0.00	0.
21 JAN 1305	158	0.00	0.00	0.00	0.
21 JAN 1310	159	0.00	0.00	0.00	0.
21 JAN 1315	160	0.00	0.00	0.00	0.
21 JAN 1320	161	0.00	0.00	0.00	0.
21 JAN 1325	162	0.00	0.00	0.00	0.
21 JAN 1330	163	0.00	0.00	0.00	0.
21 JAN 1335	164	0.00	0.00	0.00	0.
21 JAN 1340	165	0.00	0.00	0.00	0.
21 JAN 1345	166	0.00	0.00	0.00	0.
21 JAN 1350	167	0.00	0.00	0.00	0.
21 JAN 1355	168	0.00	0.00	0.00	0.
21 JAN 1400	169	0.00	0.00	0.00	0.
21 JAN 1405	170	0.00	0.00	0.00	0.
21 JAN 1410	171	0.00	0.00	0.00	0.
21 JAN 1415	172	0.00	0.00	0.00	0.
21 JAN 1420	173	0.00	0.00	0.00	0.
21 JAN 1425	174	0.00	0.00	0.00	0.
21 JAN 1430	175	0.00	0.00	0.00	0.
21 JAN 1435	176	0.00	0.00	0.00	0.
21 JAN 1440	177	0.00	0.00	0.00	0.
21 JAN 1445	178	0.00	0.00	0.00	0.
21 JAN 1450	179	0.00	0.00	0.00	0.
21 JAN 1455	180	0.00	0.00	0.00	0.
21 JAN 1500	181	0.00	0.00	0.00	0.
21 JAN 1505	182	0.00	0.00	0.00	0.
21 JAN 1510	183	0.00	0.00	0.00	0.
21 JAN 1515	184	0.00	0.00	0.00	0.
21 JAN 1520	185	0.00	0.00	0.00	0.
21 JAN 1525	186	0.00	0.00	0.00	0.
21 JAN 1530	187	0.00	0.00	0.00	0.
21 JAN 1535	188	0.00	0.00	0.00	0.
21 JAN 1540	189	0.00	0.00	0.00	0.
21 JAN 1545	190	0.00	0.00	0.00	0.
21 JAN 1550	191	0.00	0.00	0.00	0.
21 JAN 1555	192	0.00	0.00	0.00	0.
21 JAN 1600	193	0.00	0.00	0.00	0.
21 JAN 1605	194	0.00	0.00	0.00	0.
21 JAN 1610	195	0.00	0.00	0.00	0.
21 JAN 1615	196	0.00	0.00	0.00	0.
21 JAN 1620	197	0.00	0.00	0.00	0.
21 JAN 1625	198	0.00	0.00	0.00	0.
21 JAN 1630	199	0.00	0.00	0.00	0.
21 JAN 1635	200	0.00	0.00	0.00	0.
21 JAN 1640	201	0.00	0.00	0.00	0.
21 JAN 1645	202	0.00	0.00	0.00	0.
21 JAN 1650	203	0.00	0.00	0.00	0.
21 JAN 1655	204	0.00	0.00	0.00	0.
21 JAN 1700	205	0.00	0.00	0.00	0.
21 JAN 1705	206	0.00	0.00	0.00	0.
21 JAN 1710	207	0.00	0.00	0.00	0.
21 JAN 1715	208	0.00	0.00	0.00	0.
21 JAN 1720	209	0.00	0.00	0.00	0.
21 JAN 1725	210	0.00	0.00	0.00	0.
21 JAN 1730	211	0.00	0.00	0.00	0.
21 JAN 1735	212	0.00	0.00	0.00	0.
21 JAN 1740	213	0.00	0.00	0.00	0.
21 JAN 1745	214	0.00	0.00	0.00	0.
21 JAN 1750	215	0.00	0.00	0.00	0.
21 JAN 1755	216	0.00	0.00	0.00	0.
21 JAN 1800	217	0.00	0.00	0.00	0.
21 JAN 1805	218	0.00	0.00	0.00	0.
21 JAN 1810	219	0.00	0.00	0.00	0.
21 JAN 1815	220	0.00	0.00	0.00	0.

21 JAN 0550	71	0.02	0.00	0.02	0.	*
21 JAN 0555	72	0.02	0.00	0.02	0.	*
21 JAN 0600	73	0.02	0.00	0.02	0.	*
21 JAN 0605	74	0.00	0.00	0.00	0.	*
21 JAN 0610	75	0.00	0.00	0.00	0.	*
21 JAN 0615	76	0.00	0.00	0.00	0.	*
21 JAN 0620	77	0.00	0.00	0.00	0.	*
21 JAN 0625	78	0.00	0.00	0.00	0.	*
21 JAN 0630	79	0.00	0.00	0.00	0.	*
21 JAN 0635	80	0.00	0.00	0.00	0.	*
21 JAN 0640	81	0.00	0.00	0.00	0.	*
21 JAN 0645	82	0.00	0.00	0.00	0.	*
21 JAN 0650	83	0.00	0.00	0.00	0.	*
21 JAN 0655	84	0.00	0.00	0.00	0.	*
21 JAN 0700	85	0.00	0.00	0.00	0.	*
21 JAN 0705	86	0.00	0.00	0.00	0.	*
21 JAN 0710	87	0.00	0.00	0.00	0.	*
21 JAN 0715	88	0.00	0.00	0.00	0.	*
21 JAN 0720	89	0.00	0.00	0.00	0.	*
21 JAN 0725	90	0.00	0.00	0.00	0.	*
21 JAN 0730	91	0.00	0.00	0.00	0.	*
21 JAN 0735	92	0.00	0.00	0.00	0.	*
21 JAN 0740	93	0.00	0.00	0.00	0.	*
21 JAN 0745	94	0.00	0.00	0.00	0.	*
21 JAN 0750	95	0.00	0.00	0.00	0.	*
21 JAN 0755	96	0.00	0.00	0.00	0.	*
21 JAN 0800	97	0.00	0.00	0.00	0.	*
21 JAN 0805	98	0.00	0.00	0.00	0.	*
21 JAN 0810	99	0.00	0.00	0.00	0.	*
21 JAN 0815	100	0.00	0.00	0.00	0.	*
21 JAN 0820	101	0.00	0.00	0.00	0.	*
21 JAN 0825	102	0.00	0.00	0.00	0.	*
21 JAN 0830	103	0.00	0.00	0.00	0.	*
21 JAN 0835	104	0.00	0.00	0.00	0.	*
21 JAN 0840	105	0.00	0.00	0.00	0.	*
21 JAN 0845	106	0.00	0.00	0.00	0.	*
21 JAN 0850	107	0.00	0.00	0.00	0.	*
21 JAN 0855	108	0.00	0.00	0.00	0.	*
21 JAN 0900	109	0.00	0.00	0.00	0.	*
21 JAN 0905	110	0.00	0.00	0.00	0.	*
21 JAN 0910	111	0.00	0.00	0.00	0.	*
21 JAN 0915	112	0.00	0.00	0.00	0.	*
21 JAN 0920	113	0.00	0.00	0.00	0.	*
21 JAN 0925	114	0.00	0.00	0.00	0.	*
21 JAN 0930	115	0.00	0.00	0.00	0.	*
21 JAN 0935	116	0.00	0.00	0.00	0.	*
21 JAN 0940	117	0.00	0.00	0.00	0.	*
21 JAN 0945	118	0.00	0.00	0.00	0.	*
21 JAN 0950	119	0.00	0.00	0.00	0.	*
21 JAN 0955	120	0.00	0.00	0.00	0.	*
21 JAN 1000	121	0.00	0.00	0.00	0.	*
21 JAN 1005	122	0.00	0.00	0.00	0.	*
21 JAN 1010	123	0.00	0.00	0.00	0.	*
21 JAN 1015	124	0.00	0.00	0.00	0.	*
21 JAN 1020	125	0.00	0.00	0.00	0.	*
21 JAN 1025	126	0.00	0.00	0.00	0.	*
21 JAN 1030	127	0.00	0.00	0.00	0.	*
21 JAN 1035	128	0.00	0.00	0.00	0.	*
21 JAN 1040	129	0.00	0.00	0.00	0.	*
21 JAN 1045	130	0.00	0.00	0.00	0.	*
21 JAN 1050	131	0.00	0.00	0.00	0.	*
21 JAN 1055	132	0.00	0.00	0.00	0.	*
21 JAN 1100	133	0.00	0.00	0.00	0.	*
21 JAN 1105	134	0.00	0.00	0.00	0.	*
21 JAN 1110	135	0.00	0.00	0.00	0.	*
21 JAN 1115	136	0.00	0.00	0.00	0.	*
21 JAN 1120	137	0.00	0.00	0.00	0.	*
21 JAN 1125	138	0.00	0.00	0.00	0.	*
21 JAN 1130	139	0.00	0.00	0.00	0.	*
21 JAN 1135	140	0.00	0.00	0.00	0.	*
21 JAN 1140	141	0.00	0.00	0.00	0.	*
21 JAN 1145	142	0.00	0.00	0.00	0.	*
21 JAN 1150	143	0.00	0.00	0.00	0.	*
21 JAN 1155	144	0.00	0.00	0.00	0.	*
21 JAN 1200	145	0.00	0.00	0.00	0.	*
21 JAN 1205	146	0.00	0.00	0.00	0.	*
21 JAN 1210	147	0.00	0.00	0.00	0.	*
21 JAN 1215	148	0.00	0.00	0.00	0.	*
21 JAN 1820	221	0.00	0.00	0.00	0.	
21 JAN 1825	222	0.00	0.00	0.00	0.	
21 JAN 1830	223	0.00	0.00	0.00	0.	
21 JAN 1835	224	0.00	0.00	0.00	0.	
21 JAN 1840	225	0.00	0.00	0.00	0.	
21 JAN 1845	226	0.00	0.00	0.00	0.	
21 JAN 1850	227	0.00	0.00	0.00	0.	
21 JAN 1855	228	0.00	0.00	0.00	0.	
21 JAN 1900	229	0.00	0.00	0.00	0.	
21 JAN 1905	230	0.00	0.00	0.00	0.	
21 JAN 1910	231	0.00	0.00	0.00	0.	
21 JAN 1915	232	0.00	0.00	0.00	0.	
21 JAN 1920	233	0.00	0.00	0.00	0.	
21 JAN 1925	234	0.00	0.00	0.00	0.	
21 JAN 1930	235	0.00	0.00	0.00	0.	
21 JAN 1935	236	0.00	0.00	0.00	0.	
21 JAN 1940	237	0.00	0.00	0.00	0.	
21 JAN 1945	238	0.00	0.00	0.00	0.	
21 JAN 1950	239	0.00	0.00	0.00	0.	
21 JAN 1955	240	0.00	0.00	0.00	0.	
21 JAN 2000	241	0.00	0.00	0.00	0.	
21 JAN 2005	242	0.00	0.00	0.00	0.	
21 JAN 2010	243	0.00	0.00	0.00	0.	
21 JAN 2015	244	0.00	0.00	0.00	0.	
21 JAN 2020	245	0.00	0.00	0.00	0.	
21 JAN 2025	246	0.00	0.00	0.00	0.	
21 JAN 2030	247	0.00	0.00	0.00	0.	
21 JAN 2035	248	0.00	0.00	0.00	0.	
21 JAN 2040	249	0.00	0.00	0.00	0.	
21 JAN 2045	250	0.00	0.00	0.00	0.	
21 JAN 2050	251	0.00	0.00	0.00	0.	
21 JAN 2055	252	0.00	0.00	0.00	0.	
21 JAN 2100	253	0.00	0.00	0.00	0.	
21 JAN 2105	254	0.00	0.00	0.00	0.	
21 JAN 2110	255	0.00	0.00	0.00	0.	
21 JAN 2115	256	0.00	0.00	0.00	0.	
21 JAN 2120	257	0.00	0.00	0.00	0.	
21 JAN 2125	258	0.00	0.00	0.00	0.	
21 JAN 2130	259	0.00	0.00	0.00	0.	
21 JAN 2135	260	0.00	0.00	0.00	0.	
21 JAN 2140	261	0.00	0.00	0.00	0.	
21 JAN 2145	262	0.00	0.00	0.00	0.	
21 JAN 2150	263	0.00	0.00	0.00	0.	
21 JAN 2155	264	0.00	0.00	0.00	0.	
21 JAN 2200	265	0.00	0.00	0.00	0.	
21 JAN 2205	266	0.00	0.00	0.00	0.	
21 JAN 2210	267	0.00	0.00	0.00	0.	
21 JAN 2215	268	0.00	0.00	0.00	0.	
21 JAN 2220	269	0.00	0.00	0.00	0.	
21 JAN 2225	270	0.00	0.00	0.00	0.	
21 JAN 2230	271	0.00	0.00	0.00	0.	
21 JAN 2235	272	0.00	0.00	0.00	0.	
21 JAN 2240	273	0.00	0.00	0.00	0.	
21 JAN 2245	274	0.00	0.00	0.00	0.	
21 JAN 2250	275	0.00	0.00	0.00	0.	
21 JAN 2255	276	0.00	0.00	0.00	0.	
21 JAN 2300	277	0.00	0.00	0.00	0.	
21 JAN 2305	278	0.00	0.00	0.00	0.	
21 JAN 2310	279	0.00	0.00	0.00	0.	
21 JAN 2315	280	0.00	0.00	0.00	0.	
21 JAN 2320	281	0.00	0.00	0.00	0.	
21 JAN 2325	282	0.00	0.00	0.00	0.	
21 JAN 2330	283	0.00	0.00	0.00	0.	
21 JAN 2335	284	0.00	0.00	0.00	0.	
21 JAN 2340	285	0.00	0.00	0.00	0.	
21 JAN 2345	286	0.00	0.00	0.00	0.	
21 JAN 2350	287	0.00	0.00	0.00	0.	
21 JAN 2355	288	0.00	0.00	0.00	0.	
22 JAN 0000	289	0.00	0.00	0.00	0.	
22 JAN 0005	290	0.00	0.00	0.00	0.	
22 JAN 0010	291	0.00	0.00	0.00	0.	
22 JAN 0015	292	0.00	0.00	0.00	0.	
22 JAN 0020	293	0.00	0.00	0.00	0.	
22 JAN 0025	294	0.00	0.00	0.00	0.	
22 JAN 0030	295	0.00	0.00	0.00	0.	
22 JAN 0035	296	0.00	0.00	0.00	0.	
22 JAN 0040	297	0.00	0.00	0.00	0.	
22 JAN 0045	298	0.00	0.00	0.00	0.	

21 JAN 1220	149	0.00	0.00	0.00	0.	*	22 JAN 0050	299	0.00	0.00	0.00	0.
21 JAN 1225	150	0.00	0.00	0.00	0.	*	22 JAN 0055	300	0.00	0.00	0.00	0.

****

TOTAL RAINFALL = 5.94, TOTAL LOSS = 0.24, TOTAL EXCESS = 5.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)	(CFS)				
5.	3.17		1.	0.	0.	0.
		(INCHES)	5.697	5.702	5.702	5.702
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

1

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	MAIN	5.	3.17	1.	0.	0.	0.00		

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

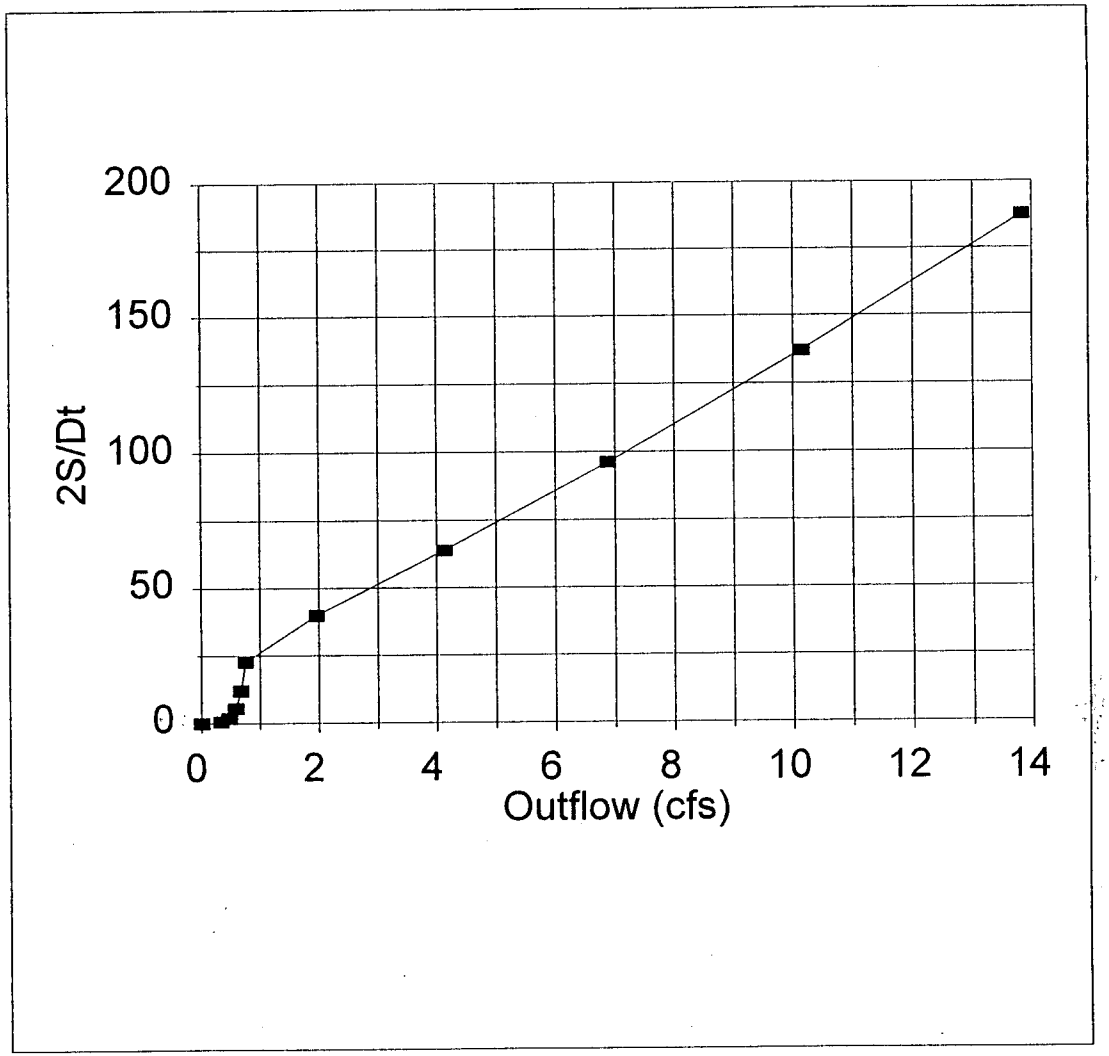
100-yr Detention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	2	2.9372	4.9372	0.5
4	25	0.42	1.0	2	3.7937	5.7937	0.6
5	30	0.50	1.0	2	4.6061	6.6061	0.6
6	35	0.58	1.0	3	5.3964	8.3964	0.6
7	40	0.67	2.0	5	7.1378	12.1378	0.6
8	45	0.75	3.0	7	10.7774	17.7774	0.7
9	50	0.83	4.0	9	16.3328	25.3328	0.7
10	55	0.92	5.0	10	23.4562	33.4562	0.9
11	60	1.00	5.0	9	30.4267	39.4267	1.5
12	65	1.08	4.0	7	35.5497	42.5497	1.9
13	70	1.17	3.0	5	38.1308	43.1308	2.2
14	75	1.25	2.0	4	38.6079	42.6079	2.3
15	80	1.33	2.0	3	38.1786	41.1786	2.2
16	85	1.42	1.0	2	37.0048	39.0048	2.1
17	90	1.50	1.0	2	35.1877	37.1877	1.9
18	95	1.58	1.0	2	33.6285	35.6285	1.8
19	100	1.67	1.0	2	32.2907	34.2907	1.7
20	105	1.75	1.0	2	31.1427	33.1427	1.6
21	110	1.83	1.0	2	30.1576	32.1576	1.5
22	115	1.92	1.0	1	29.3124	30.3124	1.4
23	120	2.00	0.0	0	27.7291	27.7291	1.3
24	125	2.08	0.0	0	25.5124	25.5124	1.1
25	130	2.17	0.0	0	23.6104	23.6104	1.0
26	135	2.25	0.0	0	21.9783	21.9783	0.8
27	140	2.33	0.0	0	20.4709	20.4709	0.8
28	145	2.42	0.0	0	18.9860	18.9860	0.7
29	150	2.50	0.0	0	17.5233	17.5233	0.7
30	155	2.58	0.0	0	16.0825	16.0825	0.7
31	160	2.67	0.0	0	14.6632	14.6632	0.7
32	165	2.75	0.0	0	13.2651	13.2651	0.7
33	170	2.83	0.0	0	11.8879	11.8879	0.7
34	175	2.92	0.0	0	10.5340	10.5340	0.7
35	180	3.00	0.0	0	9.2171	9.2171	0.7
36	185	3.08	0.0	0	7.9361	7.9361	0.6
37	190	3.17	0.0	0	6.6901	6.6901	0.6
38	195	3.25	0.0	0	5.4780	5.4780	0.6
39	200	3.33	0.0	0	4.3003	4.3003	0.6
40	205	3.42	0.0	0	3.1971	3.1971	0.6
41	210	3.50	0.0	0	2.1637	2.1637	0.5
42	215	3.58	0.0	0	1.1955	1.1955	0.5
43	220	3.67	0.0	0	0.3993	0.3993	0.4
44	225	3.75	0.0	0	-0.0538	-0.0538	0.2
45	230	3.83	0.0	0	-0.0538	-0.0538	0.0
46	235	3.92	0.0	0	-0.0538	-0.0538	0.0
47	48	0.80	0.0	0	-0.0538	-0.0538	0.0
48	49	0.82	0.0	0	-0.0538	-0.0538	0.0
49	50	0.83	0.0	0	-0.0538	-0.0538	0.0
50	51	0.85	0.0	0	-0.0538	-0.0538	0.0

Davis Moore 0.77 acre D.A.

100-yr Detention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 0.77 acre D.A.

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/03/99  TIME  14:01:10   *
*****************************************
```


```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```


```
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


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

  1           ID  DAVIS MOORE FACILITY
  2           IT       5 21JAN99       0     300
  3           IO       0       0
              *

  4           KK    MAIN
  5           BA   .0012
              *     0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *    10       0  0.6175   1.305    2.53     3.1    3.39    4.02
  6           PH      20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *    50       0   0.464  0.9575    1.69    1.98    2.16    2.52
  7           UD     .15
  8           LS       0      98
              *
  9           ZZ
```


```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/03/99  TIME  14:01:10   *
*****************************************
```

****
*   *
*   U.S. ARMY CORPS OF ENGINEERS   *
*   HYDROLOGIC ENGINEERING CENTER   *
*   609 SECOND STREET   *
*   DAVIS, CALIFORNIA 95616   *
*   (916) 551-1748   *
*   *
****

DAVIS MOORE FACILITY

```
3 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     21JAN99  STARTING DATE
                ITIME        0000  STARTING TIME
                   NQ         300  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE     22JAN99  ENDING DATE
               NDTIME        0055  ENDING TIME
               ICENT           19  CENTURY MARK

          COMPUTATION INTERVAL    0.08 HOURS
              TOTAL TIME BASE   24.92 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


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


          **************
          *            *
   4 KK   *      MAIN  *
          *            *
          **************

     SUBBASIN RUNOFF DATA

   5 BA    SUBBASIN CHARACTERISTICS
             TAREA        0.00  SUBBASIN AREA

     PRECIPITATION DATA

   6 PH                          DEPTHS FOR  20-PERCENT HYPOTHETICAL STORM
     ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
     5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
      0.54    1.14    2.15    2.66    2.91    3.42    0.00    0.00    0.00    0.00    0.00    0.00

                                          STORM AREA =    0.00

   8 LS    SCS LOSS RATE
             STRTL        0.04  INITIAL ABSTRACTION
            CRVNBR       98.00  CURVE NUMBER
             RTIMP        0.00  PERCENT IMPERVIOUS AREA

   7 UD    SCS DIMENSIONLESS UNITGRAPH
             TLAG        0.15  LAG

                                                  ***

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

                                          UNIT HYDROGRAPH
                                       11 END-OF-PERIOD ORDINATES
          1.       3.       3.       1.       1.       0.       0.       0.       0.       0.
          0.
```

HYDROGRAPH AT STATION MAIN

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
21 JAN 0000	1	0.00	0.00	0.00	0.	21 JAN 1230	151	0.00	0.00	0.00	0.
21 JAN 0005	2	0.01	0.01	0.00	0.	21 JAN 1235	152	0.00	0.00	0.00	0.
21 JAN 0010	3	0.01	0.01	0.00	0.	21 JAN 1240	153	0.00	0.00	0.00	0.
21 JAN 0015	4	0.01	0.01	0.00	0.	21 JAN 1245	154	0.00	0.00	0.00	0.
21 JAN 0020	5	0.01	0.01	0.00	0.	21 JAN 1250	155	0.00	0.00	0.00	0.
21 JAN 0025	6	0.01	0.01	0.00	0.	21 JAN 1255	156	0.00	0.00	0.00	0.
21 JAN 0030	7	0.01	0.01	0.00	0.	21 JAN 1300	157	0.00	0.00	0.00	0.
21 JAN 0035	8	0.01	0.01	0.00	0.	21 JAN 1305	158	0.00	0.00	0.00	0.
21 JAN 0040	9	0.01	0.01	0.00	0.	21 JAN 1310	159	0.00	0.00	0.00	0.
21 JAN 0045	10	0.01	0.01	0.01	0.	21 JAN 1315	160	0.00	0.00	0.00	0.
21 JAN 0050	11	0.01	0.01	0.01	0.	21 JAN 1320	161	0.00	0.00	0.00	0.
21 JAN 0055	12	0.01	0.01	0.01	0.	21 JAN 1325	162	0.00	0.00	0.00	0.
21 JAN 0100	13	0.01	0.01	0.01	0.	21 JAN 1330	163	0.00	0.00	0.00	0.
21 JAN 0105	14	0.01	0.01	0.01	0.	21 JAN 1335	164	0.00	0.00	0.00	0.
21 JAN 0110	15	0.02	0.01	0.01	0.	21 JAN 1340	165	0.00	0.00	0.00	0.
21 JAN 0115	16	0.02	0.01	0.01	0.	21 JAN 1345	166	0.00	0.00	0.00	0.
21 JAN 0120	17	0.02	0.01	0.01	0.	21 JAN 1350	167	0.00	0.00	0.00	0.
21 JAN 0125	18	0.02	0.00	0.01	0.	21 JAN 1355	168	0.00	0.00	0.00	0.
21 JAN 0130	19	0.02	0.00	0.01	0.	21 JAN 1400	169	0.00	0.00	0.00	0.
21 JAN 0135	20	0.02	0.00	0.01	0.	21 JAN 1405	170	0.00	0.00	0.00	0.
21 JAN 0140	21	0.02	0.00	0.01	0.	21 JAN 1410	171	0.00	0.00	0.00	0.
21 JAN 0145	22	0.02	0.00	0.02	0.	21 JAN 1415	172	0.00	0.00	0.00	0.
21 JAN 0150	23	0.02	0.00	0.02	0.	21 JAN 1420	173	0.00	0.00	0.00	0.
21 JAN 0155	24	0.02	0.00	0.02	0.	21 JAN 1425	174	0.00	0.00	0.00	0.
21 JAN 0200	25	0.02	0.00	0.02	0.	21 JAN 1430	175	0.00	0.00	0.00	0.
21 JAN 0205	26	0.03	0.00	0.03	0.	21 JAN 1435	176	0.00	0.00	0.00	0.
21 JAN 0210	27	0.04	0.00	0.03	0.	21 JAN 1440	177	0.00	0.00	0.00	0.
21 JAN 0215	28	0.04	0.00	0.03	0.	21 JAN 1445	178	0.00	0.00	0.00	0.
21 JAN 0220	29	0.04	0.00	0.04	0.	21 JAN 1450	179	0.00	0.00	0.00	0.
21 JAN 0225	30	0.04	0.00	0.04	0.	21 JAN 1455	180	0.00	0.00	0.00	0.
21 JAN 0230	31	0.05	0.00	0.04	0.	21 JAN 1500	181	0.00	0.00	0.00	0.
21 JAN 0235	32	0.07	0.00	0.07	0.	21 JAN 1505	182	0.00	0.00	0.00	0.
21 JAN 0240	33	0.08	0.00	0.07	0.	21 JAN 1510	183	0.00	0.00	0.00	0.
21 JAN 0245	34	0.09	0.00	0.09	1.	21 JAN 1515	184	0.00	0.00	0.00	0.
21 JAN 0250	35	0.14	0.01	0.14	1.	21 JAN 1520	185	0.00	0.00	0.00	0.
21 JAN 0255	36	0.18	0.00	0.17	1.	21 JAN 1525	186	0.00	0.00	0.00	0.
21 JAN 0300	37	0.34	0.01	0.33	1.	21 JAN 1530	187	0.00	0.00	0.00	0.
21 JAN 0305	38	0.52	0.01	0.52	2.	21 JAN 1535	188	0.00	0.00	0.00	0.
21 JAN 0310	39	0.23	0.00	0.23	3.	21 JAN 1540	189	0.00	0.00	0.00	0.
21 JAN 0315	40	0.16	0.00	0.16	3.	21 JAN 1545	190	0.00	0.00	0.00	0.
21 JAN 0320	41	0.10	0.00	0.10	2.	21 JAN 1550	191	0.00	0.00	0.00	0.
21 JAN 0325	42	0.08	0.00	0.08	2.	21 JAN 1555	192	0.00	0.00	0.00	0.
21 JAN 0330	43	0.07	0.00	0.07	1.	21 JAN 1600	193	0.00	0.00	0.00	0.
21 JAN 0335	44	0.05	0.00	0.05	1.	21 JAN 1605	194	0.00	0.00	0.00	0.
21 JAN 0340	45	0.05	0.00	0.05	1.	21 JAN 1610	195	0.00	0.00	0.00	0.
21 JAN 0345	46	0.04	0.00	0.04	1.	21 JAN 1615	196	0.00	0.00	0.00	0.
21 JAN 0350	47	0.04	0.00	0.04	0.	21 JAN 1620	197	0.00	0.00	0.00	0.
21 JAN 0355	48	0.04	0.00	0.04	0.	21 JAN 1625	198	0.00	0.00	0.00	0.
21 JAN 0400	49	0.03	0.00	0.03	0.	21 JAN 1630	199	0.00	0.00	0.00	0.
21 JAN 0405	50	0.02	0.00	0.02	0.	21 JAN 1635	200	0.00	0.00	0.00	0.
21 JAN 0410	51	0.02	0.00	0.02	0.	21 JAN 1640	201	0.00	0.00	0.00	0.
21 JAN 0415	52	0.02	0.00	0.02	0.	21 JAN 1645	202	0.00	0.00	0.00	0.
21 JAN 0420	53	0.02	0.00	0.02	0.	21 JAN 1650	203	0.00	0.00	0.00	0.
21 JAN 0425	54	0.02	0.00	0.02	0.	21 JAN 1655	204	0.00	0.00	0.00	0.
21 JAN 0430	55	0.02	0.00	0.02	0.	21 JAN 1700	205	0.00	0.00	0.00	0.
21 JAN 0435	56	0.02	0.00	0.02	0.	21 JAN 1705	206	0.00	0.00	0.00	0.
21 JAN 0440	57	0.02	0.00	0.02	0.	21 JAN 1710	207	0.00	0.00	0.00	0.
21 JAN 0445	58	0.02	0.00	0.02	0.	21 JAN 1715	208	0.00	0.00	0.00	0.
21 JAN 0450	59	0.02	0.00	0.02	0.	21 JAN 1720	209	0.00	0.00	0.00	0.
21 JAN 0455	60	0.02	0.00	0.02	0.	21 JAN 1725	210	0.00	0.00	0.00	0.
21 JAN 0500	61	0.01	0.00	0.01	0.	21 JAN 1730	211	0.00	0.00	0.00	0.
21 JAN 0505	62	0.01	0.00	0.01	0.	21 JAN 1735	212	0.00	0.00	0.00	0.
21 JAN 0510	63	0.01	0.00	0.01	0.	21 JAN 1740	213	0.00	0.00	0.00	0.
21 JAN 0515	64	0.01	0.00	0.01	0.	21 JAN 1745	214	0.00	0.00	0.00	0.
21 JAN 0520	65	0.01	0.00	0.01	0.	21 JAN 1750	215	0.00	0.00	0.00	0.
21 JAN 0525	66	0.01	0.00	0.01	0.	21 JAN 1755	216	0.00	0.00	0.00	0.
21 JAN 0530	67	0.01	0.00	0.01	0.	21 JAN 1800	217	0.00	0.00	0.00	0.
21 JAN 0535	68	0.01	0.00	0.01	0.	21 JAN 1805	218	0.00	0.00	0.00	0.
21 JAN 0540	69	0.01	0.00	0.01	0.	21 JAN 1810	219	0.00	0.00	0.00	0.
21 JAN 0545	70	0.01	0.00	0.01	0.	21 JAN 1815	220	0.00	0.00	0.00	0.

21	JAN	0550	71	0.01	0.00	0.01	0.	*	21	JAN	1820	221	0.00	0.00	0.00	0.	
21	JAN	0555	72	0.01	0.00	0.01	0.	*	21	JAN	1825	222	0.00	0.00	0.00	0.	
21	JAN	0600	73	0.01	0.00	0.01	0.	*	21	JAN	1830	223	0.00	0.00	0.00	0.	
21	JAN	0605	74	0.00	0.00	0.00	0.	*	21	JAN	1835	224	0.00	0.00	0.00	0.	
21	JAN	0610	75	0.00	0.00	0.00	0.	*	21	JAN	1840	225	0.00	0.00	0.00	0.	
21	JAN	0615	76	0.00	0.00	0.00	0.	*	21	JAN	1845	226	0.00	0.00	0.00	0.	
21	JAN	0620	77	0.00	0.00	0.00	0.	*	21	JAN	1850	227	0.00	0.00	0.00	0.	
21	JAN	0625	78	0.00	0.00	0.00	0.	*	21	JAN	1855	228	0.00	0.00	0.00	0.	
21	JAN	0630	79	0.00	0.00	0.00	0.	*	21	JAN	1900	229	0.00	0.00	0.00	0.	
21	JAN	0635	80	0.00	0.00	0.00	0.	*	21	JAN	1905	230	0.00	0.00	0.00	0.	
21	JAN	0640	81	0.00	0.00	0.00	0.	*	21	JAN	1910	231	0.00	0.00	0.00	0.	
21	JAN	0645	82	0.00	0.00	0.00	0.	*	21	JAN	1915	232	0.00	0.00	0.00	0.	
21	JAN	0650	83	0.00	0.00	0.00	0.	*	21	JAN	1920	233	0.00	0.00	0.00	0.	
21	JAN	0655	84	0.00	0.00	0.00	0.	*	21	JAN	1925	234	0.00	0.00	0.00	0.	
21	JAN	0700	85	0.00	0.00	0.00	0.	*	21	JAN	1930	235	0.00	0.00	0.00	0.	
21	JAN	0705	86	0.00	0.00	0.00	0.	*	21	JAN	1935	236	0.00	0.00	0.00	0.	
21	JAN	0710	87	0.00	0.00	0.00	0.	*	21	JAN	1940	237	0.00	0.00	0.00	0.	
21	JAN	0715	88	0.00	0.00	0.00	0.	*	21	JAN	1945	238	0.00	0.00	0.00	0.	
21	JAN	0720	89	0.00	0.00	0.00	0.	*	21	JAN	1950	239	0.00	0.00	0.00	0.	
21	JAN	0725	90	0.00	0.00	0.00	0.	*	21	JAN	1955	240	0.00	0.00	0.00	0.	
21	JAN	0730	91	0.00	0.00	0.00	0.	*	21	JAN	2000	241	0.00	0.00	0.00	0.	
21	JAN	0735	92	0.00	0.00	0.00	0.	*	21	JAN	2005	242	0.00	0.00	0.00	0.	
21	JAN	0740	93	0.00	0.00	0.00	0.	*	21	JAN	2010	243	0.00	0.00	0.00	0.	
21	JAN	0745	94	0.00	0.00	0.00	0.	*	21	JAN	2015	244	0.00	0.00	0.00	0.	
21	JAN	0750	95	0.00	0.00	0.00	0.	*	21	JAN	2020	245	0.00	0.00	0.00	0.	
21	JAN	0755	96	0.00	0.00	0.00	0.	*	21	JAN	2025	246	0.00	0.00	0.00	0.	
21	JAN	0800	97	0.00	0.00	0.00	0.	*	21	JAN	2030	247	0.00	0.00	0.00	0.	
21	JAN	0805	98	0.00	0.00	0.00	0.	*	21	JAN	2035	248	0.00	0.00	0.00	0.	
21	JAN	0810	99	0.00	0.00	0.00	0.	*	21	JAN	2040	249	0.00	0.00	0.00	0.	
21	JAN	0815	100	0.00	0.00	0.00	0.	*	21	JAN	2045	250	0.00	0.00	0.00	0.	
21	JAN	0820	101	0.00	0.00	0.00	0.	*	21	JAN	2050	251	0.00	0.00	0.00	0.	
21	JAN	0825	102	0.00	0.00	0.00	0.	*	21	JAN	2055	252	0.00	0.00	0.00	0.	
21	JAN	0830	103	0.00	0.00	0.00	0.	*	21	JAN	2100	253	0.00	0.00	0.00	0.	
21	JAN	0835	104	0.00	0.00	0.00	0.	*	21	JAN	2105	254	0.00	0.00	0.00	0.	
21	JAN	0840	105	0.00	0.00	0.00	0.	*	21	JAN	2110	255	0.00	0.00	0.00	0.	
21	JAN	0845	106	0.00	0.00	0.00	0.	*	21	JAN	2115	256	0.00	0.00	0.00	0.	
21	JAN	0850	107	0.00	0.00	0.00	0.	*	21	JAN	2120	257	0.00	0.00	0.00	0.	
21	JAN	0855	108	0.00	0.00	0.00	0.	*	21	JAN	2125	258	0.00	0.00	0.00	0.	
21	JAN	0900	109	0.00	0.00	0.00	0.	*	21	JAN	2130	259	0.00	0.00	0.00	0.	
21	JAN	0905	110	0.00	0.00	0.00	0.	*	21	JAN	2135	260	0.00	0.00	0.00	0.	
21	JAN	0910	111	0.00	0.00	0.00	0.	*	21	JAN	2140	261	0.00	0.00	0.00	0.	
21	JAN	0915	112	0.00	0.00	0.00	0.	*	21	JAN	2145	262	0.00	0.00	0.00	0.	
21	JAN	0920	113	0.00	0.00	0.00	0.	*	21	JAN	2150	263	0.00	0.00	0.00	0.	
21	JAN	0925	114	0.00	0.00	0.00	0.	*	21	JAN	2155	264	0.00	0.00	0.00	0.	
21	JAN	0930	115	0.00	0.00	0.00	0.	*	21	JAN	2200	265	0.00	0.00	0.00	0.	
21	JAN	0935	116	0.00	0.00	0.00	0.	*	21	JAN	2205	266	0.00	0.00	0.00	0.	
21	JAN	0940	117	0.00	0.00	0.00	0.	*	21	JAN	2210	267	0.00	0.00	0.00	0.	
21	JAN	0945	118	0.00	0.00	0.00	0.	*	21	JAN	2215	268	0.00	0.00	0.00	0.	
21	JAN	0950	119	0.00	0.00	0.00	0.	*	21	JAN	2220	269	0.00	0.00	0.00	0.	
21	JAN	0955	120	0.00	0.00	0.00	0.	*	21	JAN	2225	270	0.00	0.00	0.00	0.	
21	JAN	1000	121	0.00	0.00	0.00	0.	*	21	JAN	2230	271	0.00	0.00	0.00	0.	
21	JAN	1005	122	0.00	0.00	0.00	0.	*	21	JAN	2235	272	0.00	0.00	0.00	0.	
21	JAN	1010	123	0.00	0.00	0.00	0.	*	21	JAN	2240	273	0.00	0.00	0.00	0.	
21	JAN	1015	124	0.00	0.00	0.00	0.	*	21	JAN	2245	274	0.00	0.00	0.00	0.	
21	JAN	1020	125	0.00	0.00	0.00	0.	*	21	JAN	2250	275	0.00	0.00	0.00	0.	
21	JAN	1025	126	0.00	0.00	0.00	0.	*	21	JAN	2255	276	0.00	0.00	0.00	0.	
21	JAN	1030	127	0.00	0.00	0.00	0.	*	21	JAN	2300	277	0.00	0.00	0.00	0.	
21	JAN	1035	128	0.00	0.00	0.00	0.	*	21	JAN	2305	278	0.00	0.00	0.00	0.	
21	JAN	1040	129	0.00	0.00	0.00	0.	*	21	JAN	2310	279	0.00	0.00	0.00	0.	
21	JAN	1045	130	0.00	0.00	0.00	0.	*	21	JAN	2315	280	0.00	0.00	0.00	0.	
21	JAN	1050	131	0.00	0.00	0.00	0.	*	21	JAN	2320	281	0.00	0.00	0.00	0.	
21	JAN	1055	132	0.00	0.00	0.00	0.	*	21	JAN	2325	282	0.00	0.00	0.00	0.	
21	JAN	1100	133	0.00	0.00	0.00	0.	*	21	JAN	2330	283	0.00	0.00	0.00	0.	
21	JAN	1105	134	0.00	0.00	0.00	0.	*	21	JAN	2335	284	0.00	0.00	0.00	0.	
21	JAN	1110	135	0.00	0.00	0.00	0.	*	21	JAN	2340	285	0.00	0.00	0.00	0.	
21	JAN	1115	136	0.00	0.00	0.00	0.	*	21	JAN	2345	286	0.00	0.00	0.00	0.	
21	JAN	1120	137	0.00	0.00	0.00	0.	*	21	JAN	2350	287	0.00	0.00	0.00	0.	
21	JAN	1125	138	0.00	0.00	0.00	0.	*	21	JAN	2355	288	0.00	0.00	0.00	0.	
21	JAN	1130	139	0.00	0.00	0.00	0.	*	22	JAN	0000	289	0.00	0.00	0.00	0.	
21	JAN	1135	140	0.00	0.00	0.00	0.	*	22	JAN	0005	290	0.00	0.00	0.00	0.	
21	JAN	1140	141	0.00	0.00	0.00	0.	*	22	JAN	0010	291	0.00	0.00	0.00	0.	
21	JAN	1145	142	0.00	0.00	0.00	0.	*	22	JAN	0015	292	0.00	0.00	0.00	0.	
21	JAN	1150	143	0.00	0.00	0.00	0.	*	22	JAN	0020	293	0.00	0.00	0.00	0.	
21	JAN	1155	144	0.00	0.00	0.00	0.	*	22	JAN	0025	294	0.00	0.00	0.00	0.	
21	JAN	1200	145	0.00	0.00	0.00	0.	*	22	JAN	0030	295	0.00	0.00	0.00	0.	
21	JAN	1205	146	0.00	0.00	0.00	0.	*	22	JAN	0035	296	0.00	0.00	0.00	0.	
21	JAN	1210	147	0.00	0.00	0.00	0.	*	22	JAN	0040	297	0.00	0.00	0.00	0.	
21	JAN	1215	148	0.00	0.00	0.00	0.	*	22	JAN	0045	298	0.00	0.00	0.00	0.	

21 JAN 1220	149	0.00	0.00	0.00	0.	*	22 JAN 0050	299	0.00	0.00	0.00	0.
21 JAN 1225	150	0.00	0.00	0.00	0.	*	22 JAN 0055	300	0.00	0.00	0.00	0.
						*						

****

TOTAL RAINFALL = 3.28, TOTAL LOSS = 0.23, TOTAL EXCESS = 3.05

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)	(CFS)				
3.	3.17		0.	0.	0.	0.
		(INCHES)	3.049	3.050	3.050	3.050
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

1

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	MAIN	3.	3.17	0.	0.	0.	0.00		

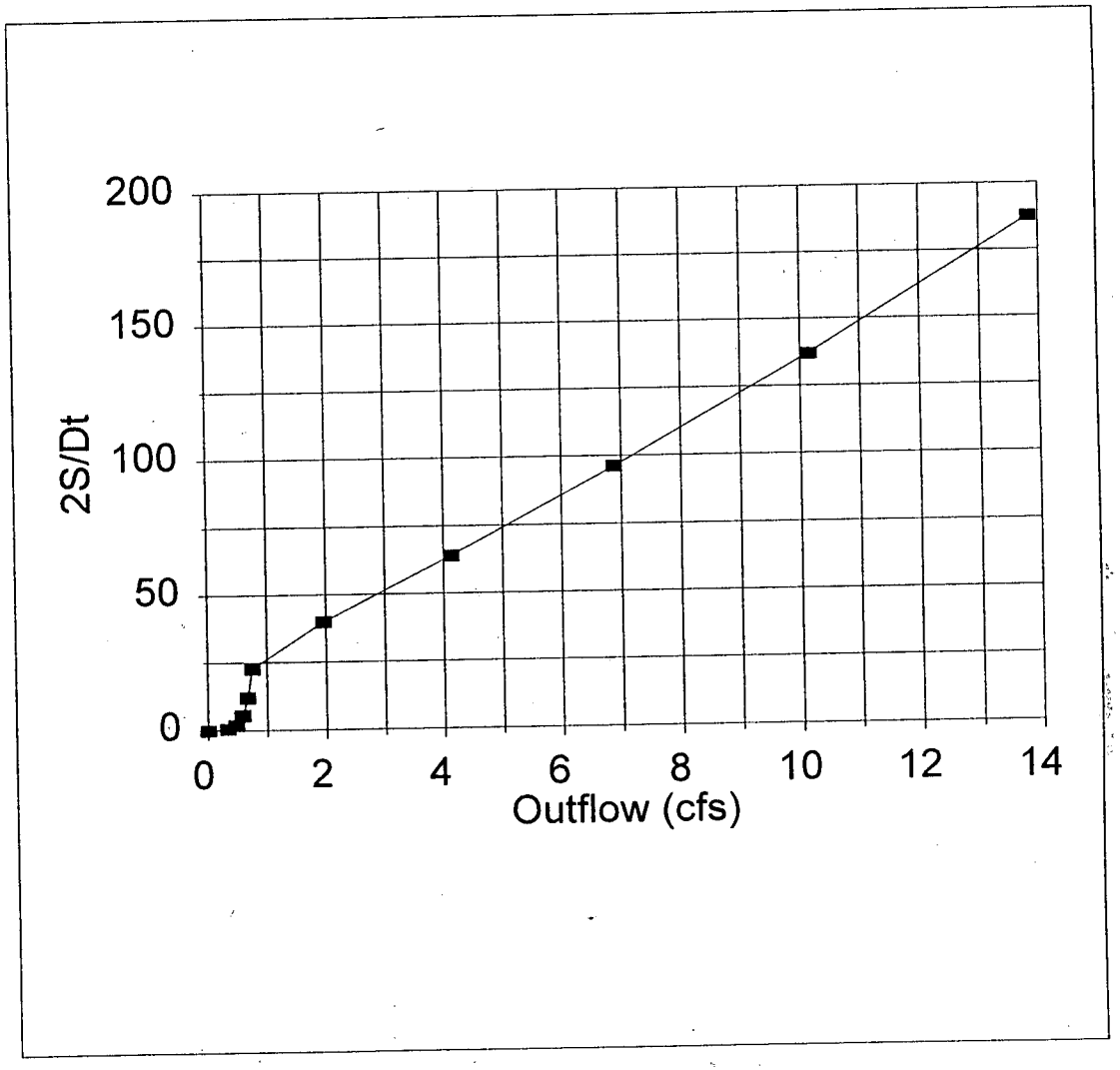
*** NORMAL END OF HEC-1 ***

5-yr Detention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	3	2.9372	5.9372	0.5
4	25	0.42	2.0	5	4.7457	9.7457	0.6
5	30	0.50	3.0	6	8.4503	14.4503	0.6
6	35	0.58	3.0	5	13.0554	18.0554	0.7
7	40	0.67	2.0	4	16.6066	20.6066	0.7
8	45	0.75	2.0	3	19.1197	22.1197	0.7
9	50	0.83	1.0	2	20.6102	22.6102	0.8
10	55	0.92	1.0	2	21.0933	23.0933	0.8
11	60	1.00	1.0	2	21.5346	23.5346	0.8
12	65	1.08	1.0	1	21.9133	22.9133	0.8
13	70	1.17	0.0	0	21.3802	21.3802	0.8
14	75	1.25	0.0	0	19.8817	19.8817	0.7
15	80	1.33	0.0	0	18.4056	18.4056	0.7
16	85	1.42	0.0	0	16.9516	16.9516	0.7
17	90	1.50	0.0	0	15.5193	15.5193	0.7
18	95	1.58	0.0	0	14.1084	14.1084	0.7
19	100	1.67	0.0	0	12.7186	12.7186	0.7
20	105	1.75	0.0	0	11.3496	11.3496	0.7
21	110	1.83	0.0	0	10.0104	10.0104	0.7
22	115	1.92	0.0	0	8.7078	8.7078	0.7
23	120	2.00	0.0	0	7.4407	7.4407	0.6
24	125	2.08	0.0	0	6.2081	6.2081	0.6
25	130	2.17	0.0	0	5.0092	5.0092	0.6
26	135	2.25	0.0	0	3.8612	3.8612	0.6
27	140	2.33	0.0	0	2.7857	2.7857	0.5
28	145	2.42	0.0	0	1.7783	1.7783	0.5
29	150	2.50	0.0	0	0.8684	0.8684	0.5
30	155	2.58	0.0	0	0.1359	0.1359	0.4
31	160	2.67	0.0	0	-0.0183	-0.0183	0.1
32	165	2.75	0.0	0	-0.0183	-0.0183	0.0
33	170	2.83	0.0	0	-0.0183	-0.0183	0.0
34	175	2.92	0.0	0	-0.0183	-0.0183	0.0
35	180	3.00	0.0	0	-0.0183	-0.0183	0.0
36	185	3.08	0.0	0	-0.0183	-0.0183	0.0
37	190	3.17	0.0	0	-0.0183	-0.0183	0.0
38	195	3.25	0.0	0	-0.0183	-0.0183	0.0
39	200	3.33	0.0	0	-0.0183	-0.0183	0.0
40	205	3.42	0.0	0	-0.0183	-0.0183	0.0
41	210	3.50	0.0	0	-0.0183	-0.0183	0.0
42	215	3.58	0.0	0	-0.0183	-0.0183	0.0
43	220	3.67	0.0	0	-0.0183	-0.0183	0.0
44	225	3.75	0.0	0	-0.0183	-0.0183	0.0
45	230	3.83	0.0	0	-0.0183	-0.0183	0.0
46	235	3.92	0.0	0	-0.0183	-0.0183	0.0
47	48	0.80	0.0	0	-0.0183	-0.0183	0.0
48	49	0.82	0.0	0	-0.0183	-0.0183	0.0
49	50	0.83	0.0	0	-0.0183	-0.0183	0.0
50	51	0.85	0.0	0	-0.0183	-0.0183	0.0

etention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 0.77 acre D.A.

Davis Moore Site, 100-yr Storm, Area #2, D.A. = 0.52 ac.

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  11:21:56   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```

```
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

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

  1           ID  DAVIS MOORE FACILITY
  2           IT       5 21JAN99       0     300
  3           IO       0       0
              *
  4           KK    MAIN
  5           BA   .0008
  6           PH       0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
              *     20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *     50       0   0.464  0.9575    1.69    1.98    2.16    2.52
  7           UD     .15
  8           LS       0      98
              *
  9           ZZ
```

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  11:21:56   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```

DAVIS MOORE FACILITY

```
3 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     21JAN99  STARTING DATE
                    ITIME        0000  STARTING TIME
```

```
                NQ         300  NUMBER OF HYDROGRAPH ORDINATES
            NDDATE      22JAN99  ENDING DATE
            NDTIME        0055  ENDING TIME
            ICENT           19  CENTURY MARK

       COMPUTATION INTERVAL     0.08 HOURS
           TOTAL TIME BASE    24.92 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


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


          **************
          *            *
   4 KK   *      MAIN  *
          *            *
          **************

             SUBBASIN RUNOFF DATA

   5 BA        SUBBASIN CHARACTERISTICS
                    TAREA        0.00  SUBBASIN AREA

               PRECIPITATION DATA

   6 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                0.86    1.84    3.73    4.60    5.04    5.94    0.00    0.00    0.00    0.00    0.00    0.00

                                                 STORM AREA =     0.00

   8 LS        SCS LOSS RATE
                    STRTL        0.04  INITIAL ABSTRACTION
                   CRVNBR       98.00  CURVE NUMBER
                    RTIMP        0.00  PERCENT IMPERVIOUS AREA

   7 UD        SCS DIMENSIONLESS UNITGRAPH
                    TLAG        0.15  LAG

                                                      ***

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

                                                 UNIT HYDROGRAPH
                                              11 END-OF-PERIOD ORDINATES
               1.       2.       2.       1.       0.       0.       0.       0.       0.       0.
               0.
```

HYDROGRAPH AT STATION MAIN

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
21	JAN	0000	1	0.00	0.00	0.00	0.	21	JAN	1230	151	0.00	0.00	0.00	0.
21	JAN	0005	2	0.02	0.02	0.00	0.	21	JAN	1235	152	0.00	0.00	0.00	0.
21	JAN	0010	3	0.02	0.02	0.00	0.	21	JAN	1240	153	0.00	0.00	0.00	0.
21	JAN	0015	4	0.02	0.02	0.00	0.	21	JAN	1245	154	0.00	0.00	0.00	0.
21	JAN	0020	5	0.02	0.02	0.01	0.	21	JAN	1250	155	0.00	0.00	0.00	0.
21	JAN	0025	6	0.02	0.01	0.01	0.	21	JAN	1255	156	0.00	0.00	0.00	0.
21	JAN	0030	7	0.02	0.01	0.01	0.	21	JAN	1300	157	0.00	0.00	0.00	0.
21	JAN	0035	8	0.02	0.01	0.01	0.	21	JAN	1305	158	0.00	0.00	0.00	0.
21	JAN	0040	9	0.02	0.01	0.01	0.	21	JAN	1310	159	0.00	0.00	0.00	0.
21	JAN	0045	10	0.02	0.01	0.02	0.	21	JAN	1315	160	0.00	0.00	0.00	0.
21	JAN	0050	11	0.02	0.01	0.02	0.	21	JAN	1320	161	0.00	0.00	0.00	0.
21	JAN	0055	12	0.03	0.01	0.02	0.	21	JAN	1325	162	0.00	0.00	0.00	0.
21	JAN	0100	13	0.03	0.01	0.02	0.	21	JAN	1330	163	0.00	0.00	0.00	0.
21	JAN	0105	14	0.03	0.01	0.02	0.	21	JAN	1335	164	0.00	0.00	0.00	0.
21	JAN	0110	15	0.03	0.01	0.02	0.	21	JAN	1340	165	0.00	0.00	0.00	0.
21	JAN	0115	16	0.03	0.00	0.02	0.	21	JAN	1345	166	0.00	0.00	0.00	0.
21	JAN	0120	17	0.03	0.00	0.03	0.	21	JAN	1350	167	0.00	0.00	0.00	0.
21	JAN	0125	18	0.03	0.00	0.03	0.	21	JAN	1355	168	0.00	0.00	0.00	0.
21	JAN	0130	19	0.03	0.00	0.03	0.	21	JAN	1400	169	0.00	0.00	0.00	0.
21	JAN	0135	20	0.03	0.00	0.03	0.	21	JAN	1405	170	0.00	0.00	0.00	0.
21	JAN	0140	21	0.03	0.00	0.03	0.	21	JAN	1410	171	0.00	0.00	0.00	0.
21	JAN	0145	22	0.03	0.00	0.03	0.	21	JAN	1415	172	0.00	0.00	0.00	0.
21	JAN	0150	23	0.04	0.00	0.03	0.	21	JAN	1420	173	0.00	0.00	0.00	0.
21	JAN	0155	24	0.04	0.00	0.04	0.	21	JAN	1425	174	0.00	0.00	0.00	0.
21	JAN	0200	25	0.04	0.00	0.04	0.	21	JAN	1430	175	0.00	0.00	0.00	0.
21	JAN	0205	26	0.06	0.00	0.06	0.	21	JAN	1435	176	0.00	0.00	0.00	0.
21	JAN	0210	27	0.06	0.00	0.06	0.	21	JAN	1440	177	0.00	0.00	0.00	0.
21	JAN	0215	28	0.07	0.00	0.06	0.	21	JAN	1445	178	0.00	0.00	0.00	0.
21	JAN	0220	29	0.07	0.00	0.07	0.	21	JAN	1450	179	0.00	0.00	0.00	0.
21	JAN	0225	30	0.08	0.00	0.08	0.	21	JAN	1455	180	0.00	0.00	0.00	0.
21	JAN	0230	31	0.09	0.00	0.08	0.	21	JAN	1500	181	0.00	0.00	0.00	0.
21	JAN	0235	32	0.14	0.00	0.13	1.	21	JAN	1505	182	0.00	0.00	0.00	0.
21	JAN	0240	33	0.15	0.00	0.15	1.	21	JAN	1510	183	0.00	0.00	0.00	0.
21	JAN	0245	34	0.18	0.00	0.17	1.	21	JAN	1515	184	0.00	0.00	0.00	0.
21	JAN	0250	35	0.28	0.00	0.28	1.	21	JAN	1520	185	0.00	0.00	0.00	0.
21	JAN	0255	36	0.34	0.00	0.34	1.	21	JAN	1525	186	0.00	0.00	0.00	0.
21	JAN	0300	37	0.58	0.00	0.58	2.	21	JAN	1530	187	0.00	0.00	0.00	0.
21	JAN	0305	38	0.86	0.00	0.86	3.	21	JAN	1535	188	0.00	0.00	0.00	0.
21	JAN	0310	39	0.40	0.00	0.40	3.	21	JAN	1540	189	0.00	0.00	0.00	0.
21	JAN	0315	40	0.31	0.00	0.30	3.	21	JAN	1545	190	0.00	0.00	0.00	0.
21	JAN	0320	41	0.19	0.00	0.19	3.	21	JAN	1550	191	0.00	0.00	0.00	0.
21	JAN	0325	42	0.16	0.00	0.16	2.	21	JAN	1555	192	0.00	0.00	0.00	0.
21	JAN	0330	43	0.14	0.00	0.14	1.	21	JAN	1600	193	0.00	0.00	0.00	0.
21	JAN	0335	44	0.09	0.00	0.09	1.	21	JAN	1605	194	0.00	0.00	0.00	0.
21	JAN	0340	45	0.08	0.00	0.08	1.	21	JAN	1610	195	0.00	0.00	0.00	0.
21	JAN	0345	46	0.08	0.00	0.08	1.	21	JAN	1615	196	0.00	0.00	0.00	0.
21	JAN	0350	47	0.07	0.00	0.07	1.	21	JAN	1620	197	0.00	0.00	0.00	0.
21	JAN	0355	48	0.06	0.00	0.06	1.	21	JAN	1625	198	0.00	0.00	0.00	0.
21	JAN	0400	49	0.06	0.00	0.06	0.	21	JAN	1630	199	0.00	0.00	0.00	0.
21	JAN	0405	50	0.04	0.00	0.04	0.	21	JAN	1635	200	0.00	0.00	0.00	0.
21	JAN	0410	51	0.04	0.00	0.04	0.	21	JAN	1640	201	0.00	0.00	0.00	0.
21	JAN	0415	52	0.04	0.00	0.04	0.	21	JAN	1645	202	0.00	0.00	0.00	0.
21	JAN	0420	53	0.04	0.00	0.04	0.	21	JAN	1650	203	0.00	0.00	0.00	0.
21	JAN	0425	54	0.03	0.00	0.03	0.	21	JAN	1655	204	0.00	0.00	0.00	0.
21	JAN	0430	55	0.03	0.00	0.03	0.	21	JAN	1700	205	0.00	0.00	0.00	0.
21	JAN	0435	56	0.03	0.00	0.03	0.	21	JAN	1705	206	0.00	0.00	0.00	0.
21	JAN	0440	57	0.03	0.00	0.03	0.	21	JAN	1710	207	0.00	0.00	0.00	0.
21	JAN	0445	58	0.03	0.00	0.03	0.	21	JAN	1715	208	0.00	0.00	0.00	0.
21	JAN	0450	59	0.03	0.00	0.03	0.	21	JAN	1720	209	0.00	0.00	0.00	0.
21	JAN	0455	60	0.03	0.00	0.03	0.	21	JAN	1725	210	0.00	0.00	0.00	0.
21	JAN	0500	61	0.03	0.00	0.03	0.	21	JAN	1730	211	0.00	0.00	0.00	0.
21	JAN	0505	62	0.03	0.00	0.03	0.	21	JAN	1735	212	0.00	0.00	0.00	0.
21	JAN	0510	63	0.03	0.00	0.03	0.	21	JAN	1740	213	0.00	0.00	0.00	0.
21	JAN	0515	64	0.02	0.00	0.02	0.	21	JAN	1745	214	0.00	0.00	0.00	0.
21	JAN	0520	65	0.02	0.00	0.02	0.	21	JAN	1750	215	0.00	0.00	0.00	0.
21	JAN	0525	66	0.02	0.00	0.02	0.	21	JAN	1755	216	0.00	0.00	0.00	0.
21	JAN	0530	67	0.02	0.00	0.02	0.	21	JAN	1800	217	0.00	0.00	0.00	0.
21	JAN	0535	68	0.02	0.00	0.02	0.	21	JAN	1805	218	0.00	0.00	0.00	0.
21	JAN	0540	69	0.02	0.00	0.02	0.	21	JAN	1810	219	0.00	0.00	0.00	0.
21	JAN	0545	70	0.02	0.00	0.02	0.	21	JAN	1815	220	0.00	0.00	0.00	0.

21 JAN 0550	71	0.02	0.00	0.02	0.	*	21 JAN 1820	221	0.00	0.00	0.00	0.	*
21 JAN 0555	72	0.02	0.00	0.02	0.	*	21 JAN 1825	222	0.00	0.00	0.00	0.	*
21 JAN 0600	73	0.02	0.00	0.02	0.	*	21 JAN 1830	223	0.00	0.00	0.00	0.	*
21 JAN 0605	74	0.00	0.00	0.00	0.	*	21 JAN 1835	224	0.00	0.00	0.00	0.	*
21 JAN 0610	75	0.00	0.00	0.00	0.	*	21 JAN 1840	225	0.00	0.00	0.00	0.	*
21 JAN 0615	76	0.00	0.00	0.00	0.	*	21 JAN 1845	226	0.00	0.00	0.00	0.	*
21 JAN 0620	77	0.00	0.00	0.00	0.	*	21 JAN 1850	227	0.00	0.00	0.00	0.	*
21 JAN 0625	78	0.00	0.00	0.00	0.	*	21 JAN 1855	228	0.00	0.00	0.00	0.	*
21 JAN 0630	79	0.00	0.00	0.00	0.	*	21 JAN 1900	229	0.00	0.00	0.00	0.	*
21 JAN 0635	80	0.00	0.00	0.00	0.	*	21 JAN 1905	230	0.00	0.00	0.00	0.	*
21 JAN 0640	81	0.00	0.00	0.00	0.	*	21 JAN 1910	231	0.00	0.00	0.00	0.	*
21 JAN 0645	82	0.00	0.00	0.00	0.	*	21 JAN 1915	232	0.00	0.00	0.00	0.	*
21 JAN 0650	83	0.00	0.00	0.00	0.	*	21 JAN 1920	233	0.00	0.00	0.00	0.	*
21 JAN 0655	84	0.00	0.00	0.00	0.	*	21 JAN 1925	234	0.00	0.00	0.00	0.	*
21 JAN 0700	85	0.00	0.00	0.00	0.	*	21 JAN 1930	235	0.00	0.00	0.00	0.	*
21 JAN 0705	86	0.00	0.00	0.00	0.	*	21 JAN 1935	236	0.00	0.00	0.00	0.	*
21 JAN 0710	87	0.00	0.00	0.00	0.	*	21 JAN 1940	237	0.00	0.00	0.00	0.	*
21 JAN 0715	88	0.00	0.00	0.00	0.	*	21 JAN 1945	238	0.00	0.00	0.00	0.	*
21 JAN 0720	89	0.00	0.00	0.00	0.	*	21 JAN 1950	239	0.00	0.00	0.00	0.	*
21 JAN 0725	90	0.00	0.00	0.00	0.	*	21 JAN 1955	240	0.00	0.00	0.00	0.	*
21 JAN 0730	91	0.00	0.00	0.00	0.	*	21 JAN 2000	241	0.00	0.00	0.00	0.	*
21 JAN 0735	92	0.00	0.00	0.00	0.	*	21 JAN 2005	242	0.00	0.00	0.00	0.	*
21 JAN 0740	93	0.00	0.00	0.00	0.	*	21 JAN 2010	243	0.00	0.00	0.00	0.	*
21 JAN 0745	94	0.00	0.00	0.00	0.	*	21 JAN 2015	244	0.00	0.00	0.00	0.	*
21 JAN 0750	95	0.00	0.00	0.00	0.	*	21 JAN 2020	245	0.00	0.00	0.00	0.	*
21 JAN 0755	96	0.00	0.00	0.00	0.	*	21 JAN 2025	246	0.00	0.00	0.00	0.	*
21 JAN 0800	97	0.00	0.00	0.00	0.	*	21 JAN 2030	247	0.00	0.00	0.00	0.	*
21 JAN 0805	98	0.00	0.00	0.00	0.	*	21 JAN 2035	248	0.00	0.00	0.00	0.	*
21 JAN 0810	99	0.00	0.00	0.00	0.	*	21 JAN 2040	249	0.00	0.00	0.00	0.	*
21 JAN 0815	100	0.00	0.00	0.00	0.	*	21 JAN 2045	250	0.00	0.00	0.00	0.	*
21 JAN 0820	101	0.00	0.00	0.00	0.	*	21 JAN 2050	251	0.00	0.00	0.00	0.	*
21 JAN 0825	102	0.00	0.00	0.00	0.	*	21 JAN 2055	252	0.00	0.00	0.00	0.	*
21 JAN 0830	103	0.00	0.00	0.00	0.	*	21 JAN 2100	253	0.00	0.00	0.00	0.	*
21 JAN 0835	104	0.00	0.00	0.00	0.	*	21 JAN 2105	254	0.00	0.00	0.00	0.	*
21 JAN 0840	105	0.00	0.00	0.00	0.	*	21 JAN 2110	255	0.00	0.00	0.00	0.	*
21 JAN 0845	106	0.00	0.00	0.00	0.	*	21 JAN 2115	256	0.00	0.00	0.00	0.	*
21 JAN 0850	107	0.00	0.00	0.00	0.	*	21 JAN 2120	257	0.00	0.00	0.00	0.	*
21 JAN 0855	108	0.00	0.00	0.00	0.	*	21 JAN 2125	258	0.00	0.00	0.00	0.	*
21 JAN 0900	109	0.00	0.00	0.00	0.	*	21 JAN 2130	259	0.00	0.00	0.00	0.	*
21 JAN 0905	110	0.00	0.00	0.00	0.	*	21 JAN 2135	260	0.00	0.00	0.00	0.	*
21 JAN 0910	111	0.00	0.00	0.00	0.	*	21 JAN 2140	261	0.00	0.00	0.00	0.	*
21 JAN 0915	112	0.00	0.00	0.00	0.	*	21 JAN 2145	262	0.00	0.00	0.00	0.	*
21 JAN 0920	113	0.00	0.00	0.00	0.	*	21 JAN 2150	263	0.00	0.00	0.00	0.	*
21 JAN 0925	114	0.00	0.00	0.00	0.	*	21 JAN 2155	264	0.00	0.00	0.00	0.	*
21 JAN 0930	115	0.00	0.00	0.00	0.	*	21 JAN 2200	265	0.00	0.00	0.00	0.	*
21 JAN 0935	116	0.00	0.00	0.00	0.	*	21 JAN 2205	266	0.00	0.00	0.00	0.	*
21 JAN 0940	117	0.00	0.00	0.00	0.	*	21 JAN 2210	267	0.00	0.00	0.00	0.	*
21 JAN 0945	118	0.00	0.00	0.00	0.	*	21 JAN 2215	268	0.00	0.00	0.00	0.	*
21 JAN 0950	119	0.00	0.00	0.00	0.	*	21 JAN 2220	269	0.00	0.00	0.00	0.	*
21 JAN 0955	120	0.00	0.00	0.00	0.	*	21 JAN 2225	270	0.00	0.00	0.00	0.	*
21 JAN 1000	121	0.00	0.00	0.00	0.	*	21 JAN 2230	271	0.00	0.00	0.00	0.	*
21 JAN 1005	122	0.00	0.00	0.00	0.	*	21 JAN 2235	272	0.00	0.00	0.00	0.	*
21 JAN 1010	123	0.00	0.00	0.00	0.	*	21 JAN 2240	273	0.00	0.00	0.00	0.	*
21 JAN 1015	124	0.00	0.00	0.00	0.	*	21 JAN 2245	274	0.00	0.00	0.00	0.	*
21 JAN 1020	125	0.00	0.00	0.00	0.	*	21 JAN 2250	275	0.00	0.00	0.00	0.	*
21 JAN 1025	126	0.00	0.00	0.00	0.	*	21 JAN 2255	276	0.00	0.00	0.00	0.	*
21 JAN 1030	127	0.00	0.00	0.00	0.	*	21 JAN 2300	277	0.00	0.00	0.00	0.	*
21 JAN 1035	128	0.00	0.00	0.00	0.	*	21 JAN 2305	278	0.00	0.00	0.00	0.	*
21 JAN 1040	129	0.00	0.00	0.00	0.	*	21 JAN 2310	279	0.00	0.00	0.00	0.	*
21 JAN 1045	130	0.00	0.00	0.00	0.	*	21 JAN 2315	280	0.00	0.00	0.00	0.	*
21 JAN 1050	131	0.00	0.00	0.00	0.	*	21 JAN 2320	281	0.00	0.00	0.00	0.	*
21 JAN 1055	132	0.00	0.00	0.00	0.	*	21 JAN 2325	282	0.00	0.00	0.00	0.	*
21 JAN 1100	133	0.00	0.00	0.00	0.	*	21 JAN 2330	283	0.00	0.00	0.00	0.	*
21 JAN 1105	134	0.00	0.00	0.00	0.	*	21 JAN 2335	284	0.00	0.00	0.00	0.	*
21 JAN 1110	135	0.00	0.00	0.00	0.	*	21 JAN 2340	285	0.00	0.00	0.00	0.	*
21 JAN 1115	136	0.00	0.00	0.00	0.	*	21 JAN 2345	286	0.00	0.00	0.00	0.	*
21 JAN 1120	137	0.00	0.00	0.00	0.	*	21 JAN 2350	287	0.00	0.00	0.00	0.	*
21 JAN 1125	138	0.00	0.00	0.00	0.	*	21 JAN 2355	288	0.00	0.00	0.00	0.	*
21 JAN 1130	139	0.00	0.00	0.00	0.	*	22 JAN 0000	289	0.00	0.00	0.00	0.	*
21 JAN 1135	140	0.00	0.00	0.00	0.	*	22 JAN 0005	290	0.00	0.00	0.00	0.	*
21 JAN 1140	141	0.00	0.00	0.00	0.	*	22 JAN 0010	291	0.00	0.00	0.00	0.	*
21 JAN 1145	142	0.00	0.00	0.00	0.	*	22 JAN 0015	292	0.00	0.00	0.00	0.	*
21 JAN 1150	143	0.00	0.00	0.00	0.	*	22 JAN 0020	293	0.00	0.00	0.00	0.	*
21 JAN 1155	144	0.00	0.00	0.00	0.	*	22 JAN 0025	294	0.00	0.00	0.00	0.	*
21 JAN 1200	145	0.00	0.00	0.00	0.	*	22 JAN 0030	295	0.00	0.00	0.00	0.	*
21 JAN 1205	146	0.00	0.00	0.00	0.	*	22 JAN 0035	296	0.00	0.00	0.00	0.	*
21 JAN 1210	147	0.00	0.00	0.00	0.	*	22 JAN 0040	297	0.00	0.00	0.00	0.	*
21 JAN 1215	148	0.00	0.00	0.00	0.	*	22 JAN 0045	298	0.00	0.00	0.00	0.	*

21 JAN	1220	149	0.00	0.00	0.00	0.	*	22 JAN	0050	299	0.00	0.00	0.00	0.
21 JAN	1225	150	0.00	0.00	0.00	0.	*	22 JAN	0055	300	0.00	0.00	0.00	0.
							*							

****

TOTAL RAINFALL = 5.94, TOTAL LOSS = 0.24, TOTAL EXCESS = 5.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)					
		(CFS)				
3.	3.17		0.	0.	0.	0.
		(INCHES)	5.697	5.702	5.702	5.702
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

1

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									
	MAIN	3.	3.17	0.	0.	0.	0.00		

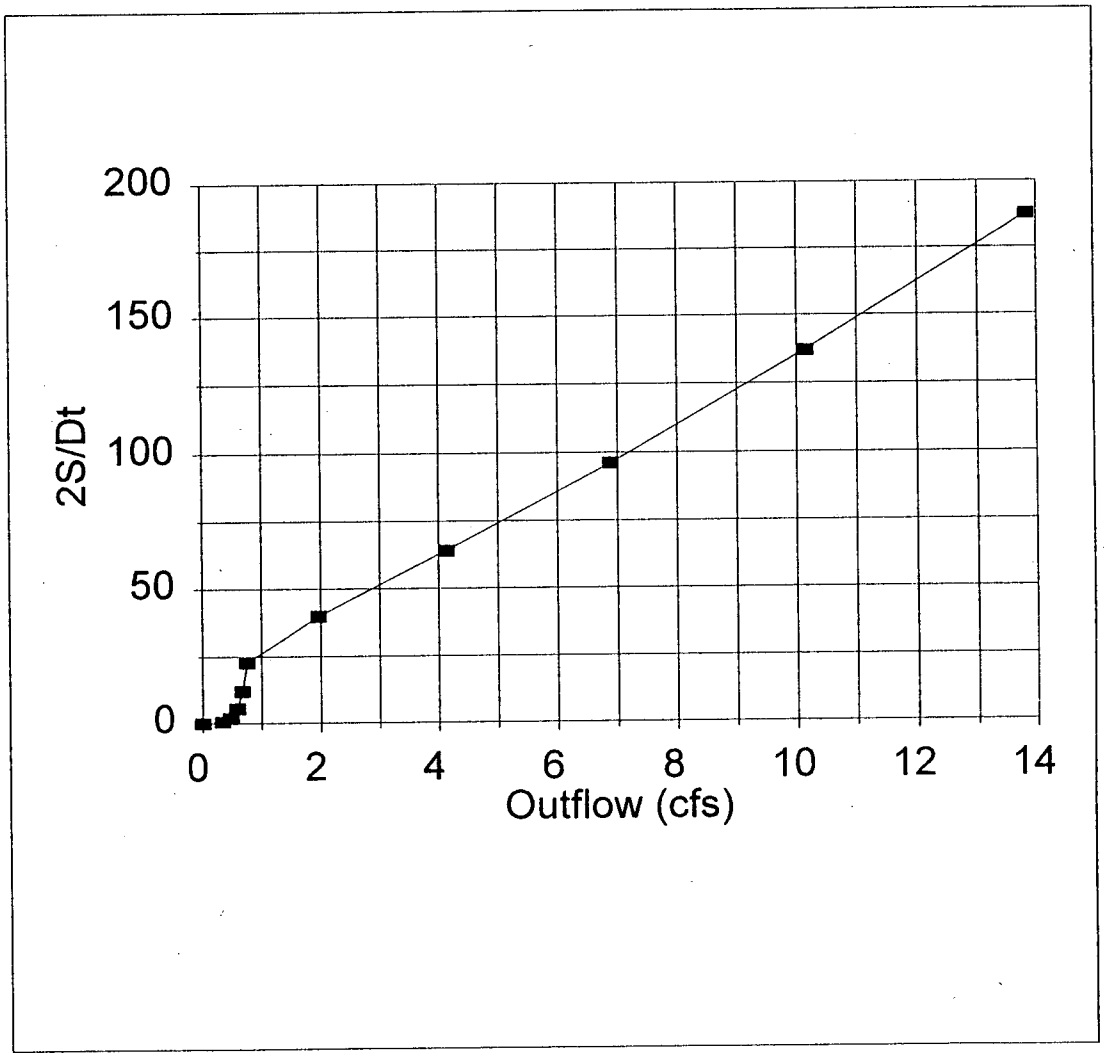
*** NORMAL END OF HEC-1 ***

100-yr Detention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	2	2.9372	4.9372	0.5
4	25	0.42	1.0	3	3.7937	6.7937	0.6
5	30	0.50	2.0	5	5.5789	10.5789	0.6
6	35	0.58	3.0	6	9.2607	15.2607	0.7
7	40	0.67	3.0	6	13.8537	19.8537	0.7
8	45	0.75	3.0	6	18.3780	24.3780	0.7
9	50	0.83	3.0	5	22.6370	27.6370	0.9
10	55	0.92	2.0	3	25.4334	28.4334	1.1
11	60	1.00	1.0	2	26.1168	28.1168	1.2
12	65	1.08	1.0	2	25.8451	27.8451	1.1
13	70	1.17	1.0	2	25.6120	27.6120	1.1
14	75	1.25	1.0	2	25.4119	27.4119	1.1
15	80	1.33	1.0	2	25.2403	27.2403	1.1
16	85	1.42	1.0	1	25.0930	26.0930	1.1
17	90	1.50	0.0	0	24.1086	24.1086	1.0
18	95	1.58	0.0	0	22.4058	22.4058	0.9
19	100	1.67	0.0	0	20.8920	20.8920	0.8
20	105	1.75	0.0	0	19.4008	19.4008	0.7
21	110	1.83	0.0	0	17.9319	17.9319	0.7
22	115	1.92	0.0	0	16.4850	16.4850	0.7
23	120	2.00	0.0	0	15.0596	15.0596	0.7
24	125	2.08	0.0	0	13.6556	13.6556	0.7
25	130	2.17	0.0	0	12.2726	12.2726	0.7
26	135	2.25	0.0	0	10.9102	10.9102	0.7
27	140	2.33	0.0	0	9.5830	9.5830	0.7
28	145	2.42	0.0	0	8.2921	8.2921	0.6
29	150	2.50	0.0	0	7.0363	7.0363	0.6
30	155	2.58	0.0	0	5.8148	5.8148	0.6
31	160	2.67	0.0	0	4.6266	4.6266	0.6
32	165	2.75	0.0	0	3.5028	3.5028	0.6
33	170	2.83	0.0	0	2.4500	2.4500	0.5
34	175	2.92	0.0	0	1.4638	1.4638	0.5
35	180	3.00	0.0	0	0.6152	0.6152	0.4
36	185	3.08	0.0	0	-0.0679	-0.0679	0.3
37	190	3.17	0.0	0	-0.0679	-0.0679	0.0
38	195	3.25	0.0	0	-0.0679	-0.0679	0.0
39	200	3.33	0.0	0	-0.0679	-0.0679	0.0
40	205	3.42	0.0	0	-0.0679	-0.0679	0.0
41	210	3.50	0.0	0	-0.0679	-0.0679	0.0
42	215	3.58	0.0	0	-0.0679	-0.0679	0.0
43	220	3.67	0.0	0	-0.0679	-0.0679	0.0
44	225	3.75	0.0	0	-0.0679	-0.0679	0.0
45	230	3.83	0.0	0	-0.0679	-0.0679	0.0
46	235	3.92	0.0	0	-0.0679	-0.0679	0.0
47	48	0.80	0.0	0	-0.0679	-0.0679	0.0
48	49	0.82	0.0	0	-0.0679	-0.0679	0.0
49	50	0.83	0.0	0	-0.0679	-0.0679	0.0
50	51	0.85	0.0	0	-0.0679	-0.0679	0.0

Detention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 0.52 acre D.A.

Davis Moore Site, 5-yr Storm, Area #2, D.A.=0.52 acres

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*              MAY   1991               *
*           VERSION 4.0.1E              *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  11:23:22   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*        DAVIS, CALIFORNIA 95616        *
*            (916) 551-1748             *
*                                       *
*****************************************
```

```
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


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

        1           ID  DAVIS MOORE FACILITY
        2           IT       5 21JAN99       0     300
        3           IO       0       0
                    *

        4           KK    MAIN
        5           BA   .0008
                    *      0       0    0.86  1.8425    3.73     4.6    5.04    5.94
                    *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
        6           PH      20       0   0.544    1.14    2.15    2.66    2.91    3.42
                    *     50       0   0.464  0.9575    1.69    1.98    2.16    2.52
        7           UD     .15
        8           LS       0      98
                    *
        9           ZZ
```


```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*              MAY   1991               *
*           VERSION 4.0.1E              *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  11:23:22   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*        DAVIS, CALIFORNIA 95616        *
*            (916) 551-1748             *
*                                       *
*****************************************
```


DAVIS MOORE FACILITY

```
  3 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     21JAN99  STARTING DATE
```

```
             ITIME        0000  STARTING TIME
               NQ          300  NUMBER OF HYDROGRAPH ORDINATES
            NDDATE     22JAN99  ENDING DATE
            NDTIME        0055  ENDING TIME
            ICENT           19  CENTURY MARK

       COMPUTATION INTERVAL    0.08 HOURS
            TOTAL TIME BASE   24.92 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


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


      **************
      *            *
4 KK  *      MAIN  *
      *            *
      **************

     SUBBASIN RUNOFF DATA

5 BA   SUBBASIN CHARACTERISTICS
            TAREA        0.00  SUBBASIN AREA

       PRECIPITATION DATA

6 PH                              DEPTHS FOR  20-PERCENT HYPOTHETICAL STORM
       ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
       5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
        0.54   1.14   2.15     2.66    2.91    3.42    0.00    0.00    0.00    0.00    0.00    0.00

                                              STORM AREA =     0.00

8 LS   SCS LOSS RATE
            STRTL        0.04  INITIAL ABSTRACTION
           CRVNBR       98.00  CURVE NUMBER
            RTIMP        0.00  PERCENT IMPERVIOUS AREA

7 UD   SCS DIMENSIONLESS UNITGRAPH
             TLAG        0.15  LAG

                                                    ***

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

                                              UNIT HYDROGRAPH
                                          11 END-OF-PERIOD ORDINATES
       1.       2.       2.       1.       0.       0.       0.       0.       0.       0.
       0.
```

HYDROGRAPH AT STATION MAIN

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
21	JAN	0000	1	0.00	0.00	0.00	0.	21	JAN	1230	151	0.00	0.00	0.00	0.
21	JAN	0005	2	0.01	0.01	0.00	0.	21	JAN	1235	152	0.00	0.00	0.00	0.
21	JAN	0010	3	0.01	0.01	0.00	0.	21	JAN	1240	153	0.00	0.00	0.00	0.
21	JAN	0015	4	0.01	0.01	0.00	0.	21	JAN	1245	154	0.00	0.00	0.00	0.
21	JAN	0020	5	0.01	0.01	0.00	0.	21	JAN	1250	155	0.00	0.00	0.00	0.
21	JAN	0025	6	0.01	0.01	0.00	0.	21	JAN	1255	156	0.00	0.00	0.00	0.
21	JAN	0030	7	0.01	0.01	0.00	0.	21	JAN	1300	157	0.00	0.00	0.00	0.
21	JAN	0035	8	0.01	0.01	0.00	0.	21	JAN	1305	158	0.00	0.00	0.00	0.
21	JAN	0040	9	0.01	0.01	0.00	0.	21	JAN	1310	159	0.00	0.00	0.00	0.
21	JAN	0045	10	0.01	0.01	0.01	0.	21	JAN	1315	160	0.00	0.00	0.00	0.
21	JAN	0050	11	0.01	0.01	0.01	0.	21	JAN	1320	161	0.00	0.00	0.00	0.
21	JAN	0055	12	0.01	0.01	0.01	0.	21	JAN	1325	162	0.00	0.00	0.00	0.
21	JAN	0100	13	0.01	0.01	0.01	0.	21	JAN	1330	163	0.00	0.00	0.00	0.
21	JAN	0105	14	0.01	0.01	0.01	0.	21	JAN	1335	164	0.00	0.00	0.00	0.
21	JAN	0110	15	0.02	0.01	0.01	0.	21	JAN	1340	165	0.00	0.00	0.00	0.
21	JAN	0115	16	0.02	0.01	0.01	0.	21	JAN	1345	166	0.00	0.00	0.00	0.
21	JAN	0120	17	0.02	0.01	0.01	0.	21	JAN	1350	167	0.00	0.00	0.00	0.
21	JAN	0125	18	0.02	0.00	0.01	0.	21	JAN	1355	168	0.00	0.00	0.00	0.
21	JAN	0130	19	0.02	0.00	0.01	0.	21	JAN	1400	169	0.00	0.00	0.00	0.
21	JAN	0135	20	0.02	0.00	0.01	0.	21	JAN	1405	170	0.00	0.00	0.00	0.
21	JAN	0140	21	0.02	0.00	0.01	0.	21	JAN	1410	171	0.00	0.00	0.00	0.
21	JAN	0145	22	0.02	0.00	0.02	0.	21	JAN	1415	172	0.00	0.00	0.00	0.
21	JAN	0150	23	0.02	0.00	0.02	0.	21	JAN	1420	173	0.00	0.00	0.00	0.
21	JAN	0155	24	0.02	0.00	0.02	0.	21	JAN	1425	174	0.00	0.00	0.00	0.
21	JAN	0200	25	0.02	0.00	0.02	0.	21	JAN	1430	175	0.00	0.00	0.00	0.
21	JAN	0205	26	0.03	0.00	0.03	0.	21	JAN	1435	176	0.00	0.00	0.00	0.
21	JAN	0210	27	0.04	0.00	0.03	0.	21	JAN	1440	177	0.00	0.00	0.00	0.
21	JAN	0215	28	0.04	0.00	0.03	0.	21	JAN	1445	178	0.00	0.00	0.00	0.
21	JAN	0220	29	0.04	0.00	0.04	0.	21	JAN	1450	179	0.00	0.00	0.00	0.
21	JAN	0225	30	0.04	0.00	0.04	0.	21	JAN	1455	180	0.00	0.00	0.00	0.
21	JAN	0230	31	0.05	0.00	0.04	0.	21	JAN	1500	181	0.00	0.00	0.00	0.
21	JAN	0235	32	0.07	0.00	0.07	0.	21	JAN	1505	182	0.00	0.00	0.00	0.
21	JAN	0240	33	0.08	0.00	0.07	0.	21	JAN	1510	183	0.00	0.00	0.00	0.
21	JAN	0245	34	0.09	0.00	0.09	0.	21	JAN	1515	184	0.00	0.00	0.00	0.
21	JAN	0250	35	0.14	0.01	0.14	0.	21	JAN	1520	185	0.00	0.00	0.00	0.
21	JAN	0255	36	0.18	0.00	0.17	1.	21	JAN	1525	186	0.00	0.00	0.00	0.
21	JAN	0300	37	0.34	0.01	0.33	1.	21	JAN	1530	187	0.00	0.00	0.00	0.
21	JAN	0305	38	0.52	0.01	0.52	2.	21	JAN	1535	188	0.00	0.00	0.00	0.
21	JAN	0310	39	0.23	0.00	0.23	2.	21	JAN	1540	189	0.00	0.00	0.00	0.
21	JAN	0315	40	0.16	0.00	0.16	2.	21	JAN	1545	190	0.00	0.00	0.00	0.
21	JAN	0320	41	0.10	0.00	0.10	1.	21	JAN	1550	191	0.00	0.00	0.00	0.
21	JAN	0325	42	0.08	0.00	0.08	1.	21	JAN	1555	192	0.00	0.00	0.00	0.
21	JAN	0330	43	0.07	0.00	0.07	1.	21	JAN	1600	193	0.00	0.00	0.00	0.
21	JAN	0335	44	0.05	0.00	0.05	1.	21	JAN	1605	194	0.00	0.00	0.00	0.
21	JAN	0340	45	0.05	0.00	0.05	0.	21	JAN	1610	195	0.00	0.00	0.00	0.
21	JAN	0345	46	0.04	0.00	0.04	0.	21	JAN	1615	196	0.00	0.00	0.00	0.
21	JAN	0350	47	0.04	0.00	0.04	0.	21	JAN	1620	197	0.00	0.00	0.00	0.
21	JAN	0355	48	0.04	0.00	0.04	0.	21	JAN	1625	198	0.00	0.00	0.00	0.
21	JAN	0400	49	0.03	0.00	0.03	0.	21	JAN	1630	199	0.00	0.00	0.00	0.
21	JAN	0405	50	0.02	0.00	0.02	0.	21	JAN	1635	200	0.00	0.00	0.00	0.
21	JAN	0410	51	0.02	0.00	0.02	0.	21	JAN	1640	201	0.00	0.00	0.00	0.
21	JAN	0415	52	0.02	0.00	0.02	0.	21	JAN	1645	202	0.00	0.00	0.00	0.
21	JAN	0420	53	0.02	0.00	0.02	0.	21	JAN	1650	203	0.00	0.00	0.00	0.
21	JAN	0425	54	0.02	0.00	0.02	0.	21	JAN	1655	204	0.00	0.00	0.00	0.
21	JAN	0430	55	0.02	0.00	0.02	0.	21	JAN	1700	205	0.00	0.00	0.00	0.
21	JAN	0435	56	0.02	0.00	0.02	0.	21	JAN	1705	206	0.00	0.00	0.00	0.
21	JAN	0440	57	0.02	0.00	0.02	0.	21	JAN	1710	207	0.00	0.00	0.00	0.
21	JAN	0445	58	0.02	0.00	0.02	0.	21	JAN	1715	208	0.00	0.00	0.00	0.
21	JAN	0450	59	0.02	0.00	0.02	0.	21	JAN	1720	209	0.00	0.00	0.00	0.
21	JAN	0455	60	0.02	0.00	0.02	0.	21	JAN	1725	210	0.00	0.00	0.00	0.
21	JAN	0500	61	0.01	0.00	0.01	0.	21	JAN	1730	211	0.00	0.00	0.00	0.
21	JAN	0505	62	0.01	0.00	0.01	0.	21	JAN	1735	212	0.00	0.00	0.00	0.
21	JAN	0510	63	0.01	0.00	0.01	0.	21	JAN	1740	213	0.00	0.00	0.00	0.
21	JAN	0515	64	0.01	0.00	0.01	0.	21	JAN	1745	214	0.00	0.00	0.00	0.
21	JAN	0520	65	0.01	0.00	0.01	0.	21	JAN	1750	215	0.00	0.00	0.00	0.
21	JAN	0525	66	0.01	0.00	0.01	0.	21	JAN	1755	216	0.00	0.00	0.00	0.
21	JAN	0530	67	0.01	0.00	0.01	0.	21	JAN	1800	217	0.00	0.00	0.00	0.
21	JAN	0535	68	0.01	0.00	0.01	0.	21	JAN	1805	218	0.00	0.00	0.00	0.
21	JAN	0540	69	0.01	0.00	0.01	0.	21	JAN	1810	219	0.00	0.00	0.00	0.
21	JAN	0545	70	0.01	0.00	0.01	0.	21	JAN	1815	220	0.00	0.00	0.00	0.

21	JAN	0550	71	0.01	0.00	0.01	0.	*	21	JAN	1820	221	0.00	0.00	0.00	0.
21	JAN	0555	72	0.01	0.00	0.01	0.	*	21	JAN	1825	222	0.00	0.00	0.00	0.
21	JAN	0600	73	0.01	0.00	0.01	0.	*	21	JAN	1830	223	0.00	0.00	0.00	0.
21	JAN	0605	74	0.00	0.00	0.00	0.	*	21	JAN	1835	224	0.00	0.00	0.00	0.
21	JAN	0610	75	0.00	0.00	0.00	0.	*	21	JAN	1840	225	0.00	0.00	0.00	0.
21	JAN	0615	76	0.00	0.00	0.00	0.	*	21	JAN	1845	226	0.00	0.00	0.00	0.
21	JAN	0620	77	0.00	0.00	0.00	0.	*	21	JAN	1850	227	0.00	0.00	0.00	0.
21	JAN	0625	78	0.00	0.00	0.00	0.	*	21	JAN	1855	228	0.00	0.00	0.00	0.
21	JAN	0630	79	0.00	0.00	0.00	0.	*	21	JAN	1900	229	0.00	0.00	0.00	0.
21	JAN	0635	80	0.00	0.00	0.00	0.	*	21	JAN	1905	230	0.00	0.00	0.00	0.
21	JAN	0640	81	0.00	0.00	0.00	0.	*	21	JAN	1910	231	0.00	0.00	0.00	0.
21	JAN	0645	82	0.00	0.00	0.00	0.	*	21	JAN	1915	232	0.00	0.00	0.00	0.
21	JAN	0650	83	0.00	0.00	0.00	0.	*	21	JAN	1920	233	0.00	0.00	0.00	0.
21	JAN	0655	84	0.00	0.00	0.00	0.	*	21	JAN	1925	234	0.00	0.00	0.00	0.
21	JAN	0700	85	0.00	0.00	0.00	0.	*	21	JAN	1930	235	0.00	0.00	0.00	0.
21	JAN	0705	86	0.00	0.00	0.00	0.	*	21	JAN	1935	236	0.00	0.00	0.00	0.
21	JAN	0710	87	0.00	0.00	0.00	0.	*	21	JAN	1940	237	0.00	0.00	0.00	0.
21	JAN	0715	88	0.00	0.00	0.00	0.	*	21	JAN	1945	238	0.00	0.00	0.00	0.
21	JAN	0720	89	0.00	0.00	0.00	0.	*	21	JAN	1950	239	0.00	0.00	0.00	0.
21	JAN	0725	90	0.00	0.00	0.00	0.	*	21	JAN	1955	240	0.00	0.00	0.00	0.
21	JAN	0730	91	0.00	0.00	0.00	0.	*	21	JAN	2000	241	0.00	0.00	0.00	0.
21	JAN	0735	92	0.00	0.00	0.00	0.	*	21	JAN	2005	242	0.00	0.00	0.00	0.
21	JAN	0740	93	0.00	0.00	0.00	0.	*	21	JAN	2010	243	0.00	0.00	0.00	0.
21	JAN	0745	94	0.00	0.00	0.00	0.	*	21	JAN	2015	244	0.00	0.00	0.00	0.
21	JAN	0750	95	0.00	0.00	0.00	0.	*	21	JAN	2020	245	0.00	0.00	0.00	0.
21	JAN	0755	96	0.00	0.00	0.00	0.	*	21	JAN	2025	246	0.00	0.00	0.00	0.
21	JAN	0800	97	0.00	0.00	0.00	0.	*	21	JAN	2030	247	0.00	0.00	0.00	0.
21	JAN	0805	98	0.00	0.00	0.00	0.	*	21	JAN	2035	248	0.00	0.00	0.00	0.
21	JAN	0810	99	0.00	0.00	0.00	0.	*	21	JAN	2040	249	0.00	0.00	0.00	0.
21	JAN	0815	100	0.00	0.00	0.00	0.	*	21	JAN	2045	250	0.00	0.00	0.00	0.
21	JAN	0820	101	0.00	0.00	0.00	0.	*	21	JAN	2050	251	0.00	0.00	0.00	0.
21	JAN	0825	102	0.00	0.00	0.00	0.	*	21	JAN	2055	252	0.00	0.00	0.00	0.
21	JAN	0830	103	0.00	0.00	0.00	0.	*	21	JAN	2100	253	0.00	0.00	0.00	0.
21	JAN	0835	104	0.00	0.00	0.00	0.	*	21	JAN	2105	254	0.00	0.00	0.00	0.
21	JAN	0840	105	0.00	0.00	0.00	0.	*	21	JAN	2110	255	0.00	0.00	0.00	0.
21	JAN	0845	106	0.00	0.00	0.00	0.	*	21	JAN	2115	256	0.00	0.00	0.00	0.
21	JAN	0850	107	0.00	0.00	0.00	0.	*	21	JAN	2120	257	0.00	0.00	0.00	0.
21	JAN	0855	108	0.00	0.00	0.00	0.	*	21	JAN	2125	258	0.00	0.00	0.00	0.
21	JAN	0900	109	0.00	0.00	0.00	0.	*	21	JAN	2130	259	0.00	0.00	0.00	0.
21	JAN	0905	110	0.00	0.00	0.00	0.	*	21	JAN	2135	260	0.00	0.00	0.00	0.
21	JAN	0910	111	0.00	0.00	0.00	0.	*	21	JAN	2140	261	0.00	0.00	0.00	0.
21	JAN	0915	112	0.00	0.00	0.00	0.	*	21	JAN	2145	262	0.00	0.00	0.00	0.
21	JAN	0920	113	0.00	0.00	0.00	0.	*	21	JAN	2150	263	0.00	0.00	0.00	0.
21	JAN	0925	114	0.00	0.00	0.00	0.	*	21	JAN	2155	264	0.00	0.00	0.00	0.
21	JAN	0930	115	0.00	0.00	0.00	0.	*	21	JAN	2200	265	0.00	0.00	0.00	0.
21	JAN	0935	116	0.00	0.00	0.00	0.	*	21	JAN	2205	266	0.00	0.00	0.00	0.
21	JAN	0940	117	0.00	0.00	0.00	0.	*	21	JAN	2210	267	0.00	0.00	0.00	0.
21	JAN	0945	118	0.00	0.00	0.00	0.	*	21	JAN	2215	268	0.00	0.00	0.00	0.
21	JAN	0950	119	0.00	0.00	0.00	0.	*	21	JAN	2220	269	0.00	0.00	0.00	0.
21	JAN	0955	120	0.00	0.00	0.00	0.	*	21	JAN	2225	270	0.00	0.00	0.00	0.
21	JAN	1000	121	0.00	0.00	0.00	0.	*	21	JAN	2230	271	0.00	0.00	0.00	0.
21	JAN	1005	122	0.00	0.00	0.00	0.	*	21	JAN	2235	272	0.00	0.00	0.00	0.
21	JAN	1010	123	0.00	0.00	0.00	0.	*	21	JAN	2240	273	0.00	0.00	0.00	0.
21	JAN	1015	124	0.00	0.00	0.00	0.	*	21	JAN	2245	274	0.00	0.00	0.00	0.
21	JAN	1020	125	0.00	0.00	0.00	0.	*	21	JAN	2250	275	0.00	0.00	0.00	0.
21	JAN	1025	126	0.00	0.00	0.00	0.	*	21	JAN	2255	276	0.00	0.00	0.00	0.
21	JAN	1030	127	0.00	0.00	0.00	0.	*	21	JAN	2300	277	0.00	0.00	0.00	0.
21	JAN	1035	128	0.00	0.00	0.00	0.	*	21	JAN	2305	278	0.00	0.00	0.00	0.
21	JAN	1040	129	0.00	0.00	0.00	0.	*	21	JAN	2310	279	0.00	0.00	0.00	0.
21	JAN	1045	130	0.00	0.00	0.00	0.	*	21	JAN	2315	280	0.00	0.00	0.00	0.
21	JAN	1050	131	0.00	0.00	0.00	0.	*	21	JAN	2320	281	0.00	0.00	0.00	0.
21	JAN	1055	132	0.00	0.00	0.00	0.	*	21	JAN	2325	282	0.00	0.00	0.00	0.
21	JAN	1100	133	0.00	0.00	0.00	0.	*	21	JAN	2330	283	0.00	0.00	0.00	0.
21	JAN	1105	134	0.00	0.00	0.00	0.	*	21	JAN	2335	284	0.00	0.00	0.00	0.
21	JAN	1110	135	0.00	0.00	0.00	0.	*	21	JAN	2340	285	0.00	0.00	0.00	0.
21	JAN	1115	136	0.00	0.00	0.00	0.	*	21	JAN	2345	286	0.00	0.00	0.00	0.
21	JAN	1120	137	0.00	0.00	0.00	0.	*	21	JAN	2350	287	0.00	0.00	0.00	0.
21	JAN	1125	138	0.00	0.00	0.00	0.	*	21	JAN	2355	288	0.00	0.00	0.00	0.
21	JAN	1130	139	0.00	0.00	0.00	0.	*	22	JAN	0000	289	0.00	0.00	0.00	0.
21	JAN	1135	140	0.00	0.00	0.00	0.	*	22	JAN	0005	290	0.00	0.00	0.00	0.
21	JAN	1140	141	0.00	0.00	0.00	0.	*	22	JAN	0010	291	0.00	0.00	0.00	0.
21	JAN	1145	142	0.00	0.00	0.00	0.	*	22	JAN	0015	292	0.00	0.00	0.00	0.
21	JAN	1150	143	0.00	0.00	0.00	0.	*	22	JAN	0020	293	0.00	0.00	0.00	0.
21	JAN	1155	144	0.00	0.00	0.00	0.	*	22	JAN	0025	294	0.00	0.00	0.00	0.
21	JAN	1200	145	0.00	0.00	0.00	0.	*	22	JAN	0030	295	0.00	0.00	0.00	0.
21	JAN	1205	146	0.00	0.00	0.00	0.	*	22	JAN	0035	296	0.00	0.00	0.00	0.
21	JAN	1210	147	0.00	0.00	0.00	0.	*	22	JAN	0040	297	0.00	0.00	0.00	0.
21	JAN	1215	148	0.00	0.00	0.00	0.	*	22	JAN	0045	298	0.00	0.00	0.00	0.

	21 JAN 1220	149	0.00	0.00	0.00	0.	*		22 JAN 0050	299	0.00	0.00	0.00	0.
	21 JAN 1225	150	0.00	0.00	0.00	0.	*		22 JAN 0055	300	0.00	0.00	0.00	0.
							*							

****

TOTAL RAINFALL = 3.28, TOTAL LOSS = 0.23, TOTAL EXCESS = 3.05

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)					
			(CFS)				
+	2.	3.17		0.	0.	0.	0.
			(INCHES)	3.049	3.050	3.050	3.050
			(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

1

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									
+		MAIN	2.	3.17	0.	0.	0.	0.00		

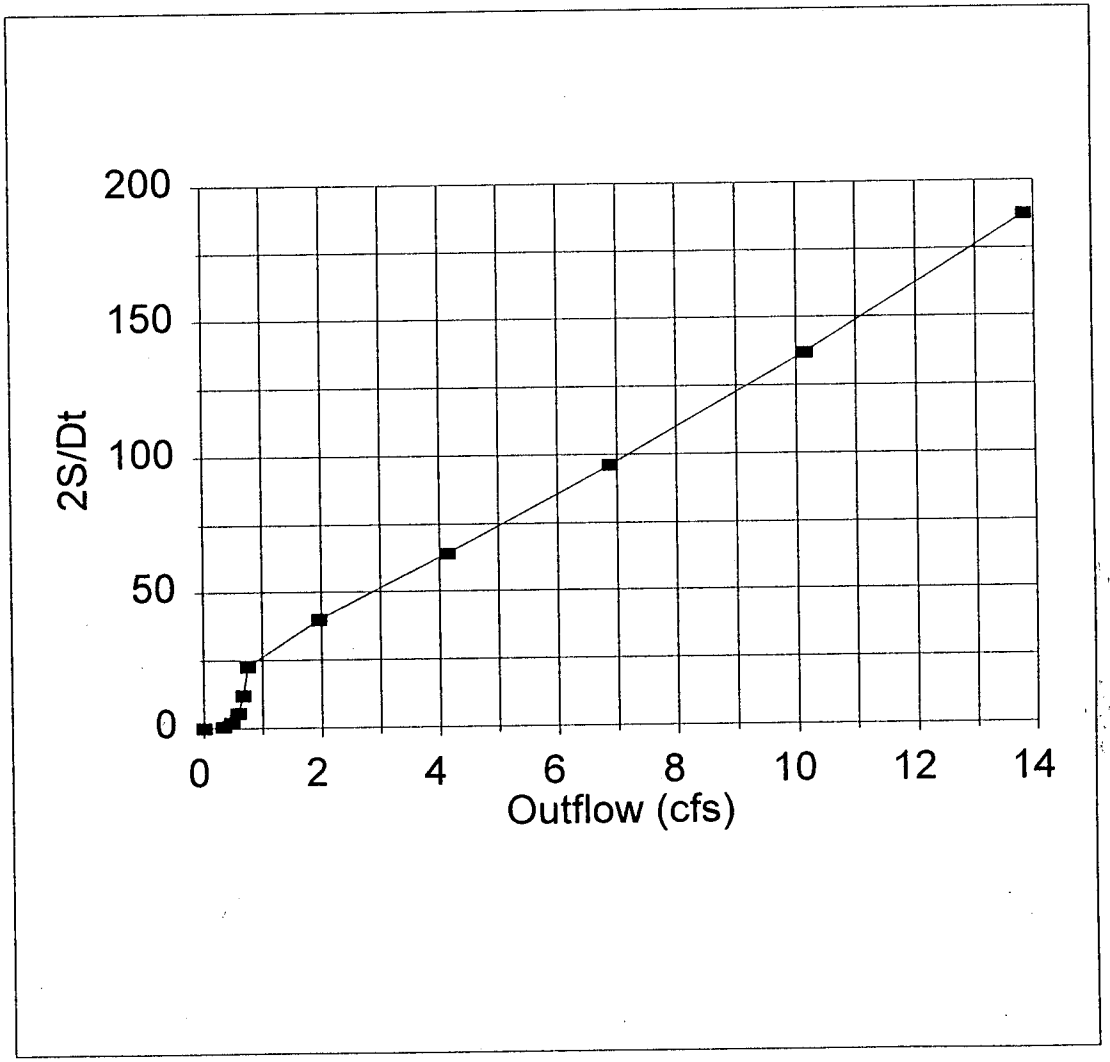
*** NORMAL END OF HEC-1 ***

5-yrDetention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	3	1.0469	4.0469	0.5
2	15	0.25	2.0	4	2.9597	6.9597	0.5
3	20	0.33	2.0	4	5.7403	9.7403	0.6
4	25	0.42	2.0	3	8.4450	11.4450	0.6
5	30	0.50	1.0	2	10.1032	12.1032	0.7
6	35	0.58	1.0	2	10.7435	12.7435	0.7
7	40	0.67	1.0	2	11.3741	13.3741	0.7
8	45	0.75	1.0	1	11.9953	12.9953	0.7
9	50	0.83	0.0	0	11.6221	11.6221	0.7
10	55	0.92	0.0	0	10.2755	10.2755	0.7
11	60	1.00	0.0	0	8.9656	8.9656	0.7
12	65	1.08	0.0	0	7.6915	7.6915	0.6
13	70	1.17	0.0	0	6.4521	6.4521	0.6
14	75	1.25	0.0	0	5.2466	5.2466	0.6
15	80	1.33	0.0	0	4.0835	4.0835	0.6
16	85	1.42	0.0	0	2.9940	2.9940	0.5
17	90	1.50	0.0	0	1.9734	1.9734	0.5
18	95	1.58	0.0	0	1.0254	1.0254	0.5
19	100	1.67	0.0	0	0.2623	0.2623	0.4
20	105	1.75	0.0	0	-0.0354	-0.0354	0.1
21	110	1.83	0.0	0	-0.0354	-0.0354	0.0
22	115	1.92	0.0	0	-0.0354	-0.0354	0.0
23	120	2.00	0.0	0	-0.0354	-0.0354	0.0
24	125	2.08	0.0	0	-0.0354	-0.0354	0.0
25	130	2.17	0.0	0	-0.0354	-0.0354	0.0
26	135	2.25	0.0	0	-0.0354	-0.0354	0.0
27	140	2.33	0.0	0	-0.0354	-0.0354	0.0
28	145	2.42	0.0	0	-0.0354	-0.0354	0.0
29	150	2.50	0.0	0	-0.0354	-0.0354	0.0
30	155	2.58	0.0	0	-0.0354	-0.0354	0.0
31	160	2.67	0.0	0	-0.0354	-0.0354	0.0
32	165	2.75	0.0	0	-0.0354	-0.0354	0.0
33	170	2.83	0.0	0	-0.0354	-0.0354	0.0
34	175	2.92	0.0	0	-0.0354	-0.0354	0.0
35	180	3.00	0.0	0	-0.0354	-0.0354	0.0
36	185	3.08	0.0	0	-0.0354	-0.0354	0.0
37	190	3.17	0.0	0	-0.0354	-0.0354	0.0
38	195	3.25	0.0	0	-0.0354	-0.0354	0.0
39	200	3.33	0.0	0	-0.0354	-0.0354	0.0
40	205	3.42	0.0	0	-0.0354	-0.0354	0.0
41	210	3.50	0.0	0	-0.0354	-0.0354	0.0
42	215	3.58	0.0	0	-0.0354	-0.0354	0.0
43	220	3.67	0.0	0	-0.0354	-0.0354	0.0
44	225	3.75	0.0	0	-0.0354	-0.0354	0.0
45	230	3.83	0.0	0	-0.0354	-0.0354	0.0
46	235	3.92	0.0	0	-0.0354	-0.0354	0.0
47	48	0.80	0.0	0	-0.0354	-0.0354	0.0
48	49	0.82	0.0	0	-0.0354	-0.0354	0.0
49	50	0.83	0.0	0	-0.0354	-0.0354	0.0
50	51	0.85	0.0	0	-0.0354	-0.0354	0.0

Detention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 0.52 acre D.A.

```
1*******************************************
*                                         *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)     *
*             MAY   1991                  *
*          VERSION 4.0.1E                 *
*     Lahey F77L-EM/32 version 5.01       *
*       Dodson & Associates, Inc.         *
*  RUN DATE  02/04/99  TIME  13:50:52     *
*******************************************
```

```
*******************************************
*                                         *
*    U.S. ARMY CORPS OF ENGINEERS         *
*    HYDROLOGIC ENGINEERING CENTER        *
*          609 SECOND STREET              *
*       DAVIS, CALIFORNIA 95616           *
*          (916) 551-1748                 *
*                                         *
*******************************************
```

```
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

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

   1          ID  DAVIS MOORE FACILITY
   2          IT       5 04FEB99       0     300
   3          IO       0       0
              *
   4          KK    MAIN
   5          BA   .0017
   6          PH       0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
              *     20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *     50       0   0.464  0.9575    1.69    7.98    2.16    2.52
   7          UD    0.15
   8          LS       0      98
              *
   9          ZZ
```


```
1*******************************************
*                                         *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)     *
*             MAY   1991                  *
*          VERSION 4.0.1E                 *
*     Lahey F77L-EM/32 version 5.01       *
*       Dodson & Associates, Inc.         *
*  RUN DATE  02/04/99  TIME  13:50:52     *
*******************************************
```

```
*******************************************
*                                         *
*    U.S. ARMY CORPS OF ENGINEERS         *
*    HYDROLOGIC ENGINEERING CENTER        *
*          609 SECOND STREET              *
*       DAVIS, CALIFORNIA 95616           *
*          (916) 551-1748                 *
*                                         *
*******************************************
```


DAVIS MOORE FACILITY

```
3 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      4FEB99  STARTING DATE
```

ITIME	0000	STARTING TIME
NQ	300	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5FEB99	ENDING DATE
NDTIME	0055	ENDING TIME
ICENT	19	CENTURY MARK

COMPUTATION INTERVAL 0.08 HOURS
TOTAL TIME BASE 24.92 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

*** ***

```
**************
*            *
*      MAIN  *
*            *
**************
```

4 KK

SUBBASIN RUNOFF DATA

5 BA SUBBASIN CHARACTERISTICS

TAREA	0.00	SUBBASIN AREA

PRECIPITATION DATA

6 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.86	1.84	3.73	4.60	5.04	5.94	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.00

8 LS SCS LOSS RATE

STRTL	0.04	INITIAL ABSTRACTION
CRVNBR	98.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

7 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.15	LAG

***

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

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES

2.	4.	4.	2.	1.	0.	0.	0.	0.	0.
0.									

HYDROGRAPH AT STATION MAIN

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
4	FEB	0000	1	0.00	0.00	0.00	0.	4	FEB	1230	151	0.00	0.00	0.00	0.
4	FEB	0005	2	0.02	0.02	0.00	0.	4	FEB	1235	152	0.00	0.00	0.00	0.
4	FEB	0010	3	0.02	0.02	0.00	0.	4	FEB	1240	153	0.00	0.00	0.00	0.
4	FEB	0015	4	0.02	0.02	0.00	0.	4	FEB	1245	154	0.00	0.00	0.00	0.
4	FEB	0020	5	0.02	0.02	0.01	0.	4	FEB	1250	155	0.00	0.00	0.00	0.
4	FEB	0025	6	0.02	0.01	0.01	0.	4	FEB	1255	156	0.00	0.00	0.00	0.
4	FEB	0030	7	0.02	0.01	0.01	0.	4	FEB	1300	157	0.00	0.00	0.00	0.
4	FEB	0035	8	0.02	0.01	0.01	0.	4	FEB	1305	158	0.00	0.00	0.00	0.
4	FEB	0040	9	0.02	0.01	0.01	0.	4	FEB	1310	159	0.00	0.00	0.00	0.
4	FEB	0045	10	0.02	0.01	0.02	0.	4	FEB	1315	160	0.00	0.00	0.00	0.
4	FEB	0050	11	0.02	0.01	0.02	0.	4	FEB	1320	161	0.00	0.00	0.00	0.
4	FEB	0055	12	0.03	0.01	0.02	0.	4	FEB	1325	162	0.00	0.00	0.00	0.
4	FEB	0100	13	0.03	0.01	0.02	0.	4	FEB	1330	163	0.00	0.00	0.00	0.
4	FEB	0105	14	0.03	0.01	0.02	0.	4	FEB	1335	164	0.00	0.00	0.00	0.
4	FEB	0110	15	0.03	0.01	0.02	0.	4	FEB	1340	165	0.00	0.00	0.00	0.
4	FEB	0115	16	0.03	0.00	0.02	0.	4	FEB	1345	166	0.00	0.00	0.00	0.
4	FEB	0120	17	0.03	0.00	0.03	0.	4	FEB	1350	167	0.00	0.00	0.00	0.
4	FEB	0125	18	0.03	0.00	0.03	0.	4	FEB	1355	168	0.00	0.00	0.00	0.
4	FEB	0130	19	0.03	0.00	0.03	0.	4	FEB	1400	169	0.00	0.00	0.00	0.
4	FEB	0135	20	0.03	0.00	0.03	0.	4	FEB	1405	170	0.00	0.00	0.00	0.
4	FEB	0140	21	0.03	0.00	0.03	0.	4	FEB	1410	171	0.00	0.00	0.00	0.
4	FEB	0145	22	0.03	0.00	0.03	0.	4	FEB	1415	172	0.00	0.00	0.00	0.
4	FEB	0150	23	0.04	0.00	0.03	0.	4	FEB	1420	173	0.00	0.00	0.00	0.
4	FEB	0155	24	0.04	0.00	0.04	0.	4	FEB	1425	174	0.00	0.00	0.00	0.
4	FEB	0200	25	0.04	0.00	0.04	0.	4	FEB	1430	175	0.00	0.00	0.00	0.
4	FEB	0205	26	0.06	0.00	0.06	1.	4	FEB	1435	176	0.00	0.00	0.00	0.
4	FEB	0210	27	0.06	0.00	0.06	1.	4	FEB	1440	177	0.00	0.00	0.00	0.
4	FEB	0215	28	0.07	0.00	0.06	1.	4	FEB	1445	178	0.00	0.00	0.00	0.
4	FEB	0220	29	0.07	0.00	0.07	1.	4	FEB	1450	179	0.00	0.00	0.00	0.
4	FEB	0225	30	0.08	0.00	0.08	1.	4	FEB	1455	180	0.00	0.00	0.00	0.
4	FEB	0230	31	0.09	0.00	0.08	1.	4	FEB	1500	181	0.00	0.00	0.00	0.
4	FEB	0235	32	0.14	0.00	0.13	1.	4	FEB	1505	182	0.00	0.00	0.00	0.
4	FEB	0240	33	0.15	0.00	0.15	1.	4	FEB	1510	183	0.00	0.00	0.00	0.
4	FEB	0245	34	0.18	0.00	0.17	2.	4	FEB	1515	184	0.00	0.00	0.00	0.
4	FEB	0250	35	0.28	0.00	0.28	2.	4	FEB	1520	185	0.00	0.00	0.00	0.
4	FEB	0255	36	0.34	0.00	0.34	3.	4	FEB	1525	186	0.00	0.00	0.00	0.
4	FEB	0300	37	0.58	0.00	0.58	4.	4	FEB	1530	187	0.00	0.00	0.00	0.
4	FEB	0305	38	0.86	0.00	0.86	6.	4	FEB	1535	188	0.00	0.00	0.00	0.
4	FEB	0310	39	0.40	0.00	0.40	7.	4	FEB	1540	189	0.00	0.00	0.00	0.
4	FEB	0315	40	0.31	0.00	0.30	7.	4	FEB	1545	190	0.00	0.00	0.00	0.
4	FEB	0320	41	0.19	0.00	0.19	5.	4	FEB	1550	191	0.00	0.00	0.00	0.
4	FEB	0325	42	0.16	0.00	0.16	4.	4	FEB	1555	192	0.00	0.00	0.00	0.
4	FEB	0330	43	0.14	0.00	0.14	3.	4	FEB	1600	193	0.00	0.00	0.00	0.
4	FEB	0335	44	0.09	0.00	0.09	2.	4	FEB	1605	194	0.00	0.00	0.00	0.
4	FEB	0340	45	0.08	0.00	0.08	2.	4	FEB	1610	195	0.00	0.00	0.00	0.
4	FEB	0345	46	0.08	0.00	0.08	1.	4	FEB	1615	196	0.00	0.00	0.00	0.
4	FEB	0350	47	0.07	0.00	0.07	1.	4	FEB	1620	197	0.00	0.00	0.00	0.
4	FEB	0355	48	0.06	0.00	0.06	1.	4	FEB	1625	198	0.00	0.00	0.00	0.
4	FEB	0400	49	0.06	0.00	0.06	1.	4	FEB	1630	199	0.00	0.00	0.00	0.
4	FEB	0405	50	0.04	0.00	0.04	1.	4	FEB	1635	200	0.00	0.00	0.00	0.
4	FEB	0410	51	0.04	0.00	0.04	1.	4	FEB	1640	201	0.00	0.00	0.00	0.
4	FEB	0415	52	0.04	0.00	0.04	1.	4	FEB	1645	202	0.00	0.00	0.00	0.
4	FEB	0420	53	0.04	0.00	0.04	1.	4	FEB	1650	203	0.00	0.00	0.00	0.
4	FEB	0425	54	0.03	0.00	0.03	1.	4	FEB	1655	204	0.00	0.00	0.00	0.
4	FEB	0430	55	0.03	0.00	0.03	0.	4	FEB	1700	205	0.00	0.00	0.00	0.
4	FEB	0435	56	0.03	0.00	0.03	0.	4	FEB	1705	206	0.00	0.00	0.00	0.
4	FEB	0440	57	0.03	0.00	0.03	0.	4	FEB	1710	207	0.00	0.00	0.00	0.
4	FEB	0445	58	0.03	0.00	0.03	0.	4	FEB	1715	208	0.00	0.00	0.00	0.
4	FEB	0450	59	0.03	0.00	0.03	0.	4	FEB	1720	209	0.00	0.00	0.00	0.
4	FEB	0455	60	0.03	0.00	0.03	0.	4	FEB	1725	210	0.00	0.00	0.00	0.
4	FEB	0500	61	0.03	0.00	0.03	0.	4	FEB	1730	211	0.00	0.00	0.00	0.
4	FEB	0505	62	0.03	0.00	0.03	0.	4	FEB	1735	212	0.00	0.00	0.00	0.
4	FEB	0510	63	0.03	0.00	0.03	0.	4	FEB	1740	213	0.00	0.00	0.00	0.
4	FEB	0515	64	0.02	0.00	0.02	0.	4	FEB	1745	214	0.00	0.00	0.00	0.
4	FEB	0520	65	0.02	0.00	0.02	0.	4	FEB	1750	215	0.00	0.00	0.00	0.
4	FEB	0525	66	0.02	0.00	0.02	0.	4	FEB	1755	216	0.00	0.00	0.00	0.
4	FEB	0530	67	0.02	0.00	0.02	0.	4	FEB	1800	217	0.00	0.00	0.00	0.
4	FEB	0535	68	0.02	0.00	0.02	0.	4	FEB	1805	218	0.00	0.00	0.00	0.
4	FEB	0540	69	0.02	0.00	0.02	0.	4	FEB	1810	219	0.00	0.00	0.00	0.
4	FEB	0545	70	0.02	0.00	0.02	0.	4	FEB	1815	220	0.00	0.00	0.00	0.

4 FEB 0550	71	0.02	0.00	0.02	0.	*
4 FEB 0555	72	0.02	0.00	0.02	0.	*
4 FEB 0600	73	0.02	0.00	0.02	0.	*
4 FEB 0605	74	0.00	0.00	0.00	0.	*
4 FEB 0610	75	0.00	0.00	0.00	0.	*
4 FEB 0615	76	0.00	0.00	0.00	0.	*
4 FEB 0620	77	0.00	0.00	0.00	0.	*
4 FEB 0625	78	0.00	0.00	0.00	0.	*
4 FEB 0630	79	0.00	0.00	0.00	0.	*
4 FEB 0635	80	0.00	0.00	0.00	0.	*
4 FEB 0640	81	0.00	0.00	0.00	0.	*
4 FEB 0645	82	0.00	0.00	0.00	0.	*
4 FEB 0650	83	0.00	0.00	0.00	0.	*
4 FEB 0655	84	0.00	0.00	0.00	0.	*
4 FEB 0700	85	0.00	0.00	0.00	0.	*
4 FEB 0705	86	0.00	0.00	0.00	0.	*
4 FEB 0710	87	0.00	0.00	0.00	0.	*
4 FEB 0715	88	0.00	0.00	0.00	0.	*
4 FEB 0720	89	0.00	0.00	0.00	0.	*
4 FEB 0725	90	0.00	0.00	0.00	0.	*
4 FEB 0730	91	0.00	0.00	0.00	0.	*
4 FEB 0735	92	0.00	0.00	0.00	0.	*
4 FEB 0740	93	0.00	0.00	0.00	0.	*
4 FEB 0745	94	0.00	0.00	0.00	0.	*
4 FEB 0750	95	0.00	0.00	0.00	0.	*
4 FEB 0755	96	0.00	0.00	0.00	0.	*
4 FEB 0800	97	0.00	0.00	0.00	0.	*
4 FEB 0805	98	0.00	0.00	0.00	0.	*
4 FEB 0810	99	0.00	0.00	0.00	0.	*
4 FEB 0815	100	0.00	0.00	0.00	0.	*
4 FEB 0820	101	0.00	0.00	0.00	0.	*
4 FEB 0825	102	0.00	0.00	0.00	0.	*
4 FEB 0830	103	0.00	0.00	0.00	0.	*
4 FEB 0835	104	0.00	0.00	0.00	0.	*
4 FEB 0840	105	0.00	0.00	0.00	0.	*
4 FEB 0845	106	0.00	0.00	0.00	0.	*
4 FEB 0850	107	0.00	0.00	0.00	0.	*
4 FEB 0855	108	0.00	0.00	0.00	0.	*
4 FEB 0900	109	0.00	0.00	0.00	0.	*
4 FEB 0905	110	0.00	0.00	0.00	0.	*
4 FEB 0910	111	0.00	0.00	0.00	0.	*
4 FEB 0915	112	0.00	0.00	0.00	0.	*
4 FEB 0920	113	0.00	0.00	0.00	0.	*
4 FEB 0925	114	0.00	0.00	0.00	0.	*
4 FEB 0930	115	0.00	0.00	0.00	0.	*
4 FEB 0935	116	0.00	0.00	0.00	0.	*
4 FEB 0940	117	0.00	0.00	0.00	0.	*
4 FEB 0945	118	0.00	0.00	0.00	0.	*
4 FEB 0950	119	0.00	0.00	0.00	0.	*
4 FEB 0955	120	0.00	0.00	0.00	0.	*
4 FEB 1000	121	0.00	0.00	0.00	0.	*
4 FEB 1005	122	0.00	0.00	0.00	0.	*
4 FEB 1010	123	0.00	0.00	0.00	0.	*
4 FEB 1015	124	0.00	0.00	0.00	0.	*
4 FEB 1020	125	0.00	0.00	0.00	0.	*
4 FEB 1025	126	0.00	0.00	0.00	0.	*
4 FEB 1030	127	0.00	0.00	0.00	0.	*
4 FEB 1035	128	0.00	0.00	0.00	0.	*
4 FEB 1040	129	0.00	0.00	0.00	0.	*
4 FEB 1045	130	0.00	0.00	0.00	0.	*
4 FEB 1050	131	0.00	0.00	0.00	0.	*
4 FEB 1055	132	0.00	0.00	0.00	0.	*
4 FEB 1100	133	0.00	0.00	0.00	0.	*
4 FEB 1105	134	0.00	0.00	0.00	0.	*
4 FEB 1110	135	0.00	0.00	0.00	0.	*
4 FEB 1115	136	0.00	0.00	0.00	0.	*
4 FEB 1120	137	0.00	0.00	0.00	0.	*
4 FEB 1125	138	0.00	0.00	0.00	0.	*
4 FEB 1130	139	0.00	0.00	0.00	0.	*
4 FEB 1135	140	0.00	0.00	0.00	0.	*
4 FEB 1140	141	0.00	0.00	0.00	0.	*
4 FEB 1145	142	0.00	0.00	0.00	0.	*
4 FEB 1150	143	0.00	0.00	0.00	0.	*
4 FEB 1155	144	0.00	0.00	0.00	0.	*
4 FEB 1200	145	0.00	0.00	0.00	0.	*
4 FEB 1205	146	0.00	0.00	0.00	0.	*
4 FEB 1210	147	0.00	0.00	0.00	0.	*
4 FEB 1215	148	0.00	0.00	0.00	0.	*
4 FEB 1820	221	0.00	0.00	0.00	0.	
4 FEB 1825	222	0.00	0.00	0.00	0.	
4 FEB 1830	223	0.00	0.00	0.00	0.	
4 FEB 1835	224	0.00	0.00	0.00	0.	
4 FEB 1840	225	0.00	0.00	0.00	0.	
4 FEB 1845	226	0.00	0.00	0.00	0.	
4 FEB 1850	227	0.00	0.00	0.00	0.	
4 FEB 1855	228	0.00	0.00	0.00	0.	
4 FEB 1900	229	0.00	0.00	0.00	0.	
4 FEB 1905	230	0.00	0.00	0.00	0.	
4 FEB 1910	231	0.00	0.00	0.00	0.	
4 FEB 1915	232	0.00	0.00	0.00	0.	
4 FEB 1920	233	0.00	0.00	0.00	0.	
4 FEB 1925	234	0.00	0.00	0.00	0.	
4 FEB 1930	235	0.00	0.00	0.00	0.	
4 FEB 1935	236	0.00	0.00	0.00	0.	
4 FEB 1940	237	0.00	0.00	0.00	0.	
4 FEB 1945	238	0.00	0.00	0.00	0.	
4 FEB 1950	239	0.00	0.00	0.00	0.	
4 FEB 1955	240	0.00	0.00	0.00	0.	
4 FEB 2000	241	0.00	0.00	0.00	0.	
4 FEB 2005	242	0.00	0.00	0.00	0.	
4 FEB 2010	243	0.00	0.00	0.00	0.	
4 FEB 2015	244	0.00	0.00	0.00	0.	
4 FEB 2020	245	0.00	0.00	0.00	0.	
4 FEB 2025	246	0.00	0.00	0.00	0.	
4 FEB 2030	247	0.00	0.00	0.00	0.	
4 FEB 2035	248	0.00	0.00	0.00	0.	
4 FEB 2040	249	0.00	0.00	0.00	0.	
4 FEB 2045	250	0.00	0.00	0.00	0.	
4 FEB 2050	251	0.00	0.00	0.00	0.	
4 FEB 2055	252	0.00	0.00	0.00	0.	
4 FEB 2100	253	0.00	0.00	0.00	0.	
4 FEB 2105	254	0.00	0.00	0.00	0.	
4 FEB 2110	255	0.00	0.00	0.00	0.	
4 FEB 2115	256	0.00	0.00	0.00	0.	
4 FEB 2120	257	0.00	0.00	0.00	0.	
4 FEB 2125	258	0.00	0.00	0.00	0.	
4 FEB 2130	259	0.00	0.00	0.00	0.	
4 FEB 2135	260	0.00	0.00	0.00	0.	
4 FEB 2140	261	0.00	0.00	0.00	0.	
4 FEB 2145	262	0.00	0.00	0.00	0.	
4 FEB 2150	263	0.00	0.00	0.00	0.	
4 FEB 2155	264	0.00	0.00	0.00	0.	
4 FEB 2200	265	0.00	0.00	0.00	0.	
4 FEB 2205	266	0.00	0.00	0.00	0.	
4 FEB 2210	267	0.00	0.00	0.00	0.	
4 FEB 2215	268	0.00	0.00	0.00	0.	
4 FEB 2220	269	0.00	0.00	0.00	0.	
4 FEB 2225	270	0.00	0.00	0.00	0.	
4 FEB 2230	271	0.00	0.00	0.00	0.	
4 FEB 2235	272	0.00	0.00	0.00	0.	
4 FEB 2240	273	0.00	0.00	0.00	0.	
4 FEB 2245	274	0.00	0.00	0.00	0.	
4 FEB 2250	275	0.00	0.00	0.00	0.	
4 FEB 2255	276	0.00	0.00	0.00	0.	
4 FEB 2300	277	0.00	0.00	0.00	0.	
4 FEB 2305	278	0.00	0.00	0.00	0.	
4 FEB 2310	279	0.00	0.00	0.00	0.	
4 FEB 2315	280	0.00	0.00	0.00	0.	
4 FEB 2320	281	0.00	0.00	0.00	0.	
4 FEB 2325	282	0.00	0.00	0.00	0.	
4 FEB 2330	283	0.00	0.00	0.00	0.	
4 FEB 2335	284	0.00	0.00	0.00	0.	
4 FEB 2340	285	0.00	0.00	0.00	0.	
4 FEB 2345	286	0.00	0.00	0.00	0.	
4 FEB 2350	287	0.00	0.00	0.00	0.	
4 FEB 2355	288	0.00	0.00	0.00	0.	
5 FEB 0000	289	0.00	0.00	0.00	0.	
5 FEB 0005	290	0.00	0.00	0.00	0.	
5 FEB 0010	291	0.00	0.00	0.00	0.	
5 FEB 0015	292	0.00	0.00	0.00	0.	
5 FEB 0020	293	0.00	0.00	0.00	0.	
5 FEB 0025	294	0.00	0.00	0.00	0.	
5 FEB 0030	295	0.00	0.00	0.00	0.	
5 FEB 0035	296	0.00	0.00	0.00	0.	
5 FEB 0040	297	0.00	0.00	0.00	0.	
5 FEB 0045	298	0.00	0.00	0.00	0.	

4	FEB	1220	149	0.00	0.00	0.00	0.	*	5	FEB	0050	299	0.00	0.00	0.00	0.
4	FEB	1225	150	0.00	0.00	0.00	0.	*	5	FEB	0055	300	0.00	0.00	0.00	0.

****

TOTAL RAINFALL = 5.94, TOTAL LOSS = 0.24, TOTAL EXCESS = 5.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)					
		(CFS)				
7.	3.17		1.	0.	0.	0.
		(INCHES)	5.697	5.702	5.702	5.702
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = 0.00 SQ MI

1

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									
	MAIN	7.	3.17	1.	0.	0.	0.00		

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

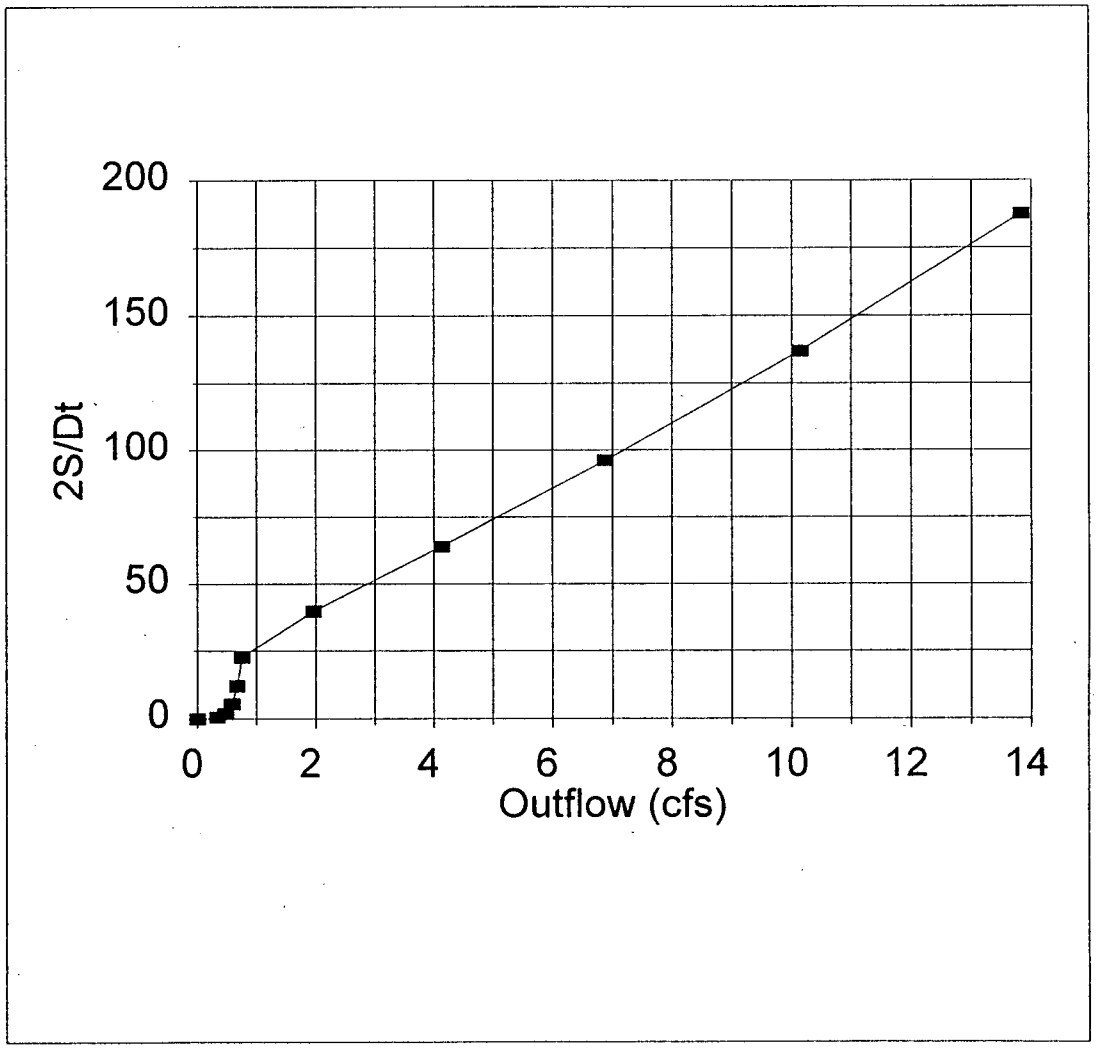
100-yr Detention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	2	2.9372	4.9372	0.5
4	25	0.42	1.0	2	3.7937	5.7937	0.6
5	30	0.50	1.0	2	4.6061	6.6061	0.6
6	35	0.58	1.0	2	5.3964	7.3964	0.6
7	40	0.67	1.0	3	6.1650	9.1650	0.6
8	45	0.75	2.0	4	7.8855	11.8855	0.6
9	50	0.83	2.0	5	10.5317	15.5317	0.7
10	55	0.92	3.0	7	14.1206	21.1206	0.7
11	60	1.00	4.0	10	19.6260	29.6260	0.7
12	65	1.08	6.0	13	27.1401	40.1401	1.2
13	70	1.17	7.0	14	36.1520	50.1520	2.0
14	75	1.25	7.0	12	44.3739	56.3739	2.9
15	80	1.33	5.0	9	49.4834	58.4834	3.4
16	85	1.42	4.0	7	51.2157	58.2157	3.6
17	90	1.50	3.0	5	50.9960	55.9960	3.6
18	95	1.58	2.0	4	49.1730	53.1730	3.4
19	100	1.67	2.0	3	46.8548	49.8548	3.2
20	105	1.75	1.0	2	44.1298	46.1298	2.9
21	110	1.83	1.0	2	41.0708	43.0708	2.5
22	115	1.92	1.0	2	38.5587	40.5587	2.3
23	120	2.00	1.0	2	36.4957	38.4957	2.0
24	125	2.08	1.0	2	34.7509	36.7509	1.9
25	130	2.17	1.0	2	33.2537	35.2537	1.7
26	135	2.25	1.0	2	31.9690	33.9690	1.6
27	140	2.33	1.0	2	30.8667	32.8667	1.6
28	145	2.42	1.0	1	29.9208	30.9208	1.5
29	150	2.50	0.0	0	28.2512	28.2512	1.3
30	155	2.58	0.0	0	25.9604	25.9604	1.1
31	160	2.67	0.0	0	23.9948	23.9948	1.0
32	165	2.75	0.0	0	22.3081	22.3081	0.8
33	170	2.83	0.0	0	20.7958	20.7958	0.8
34	175	2.92	0.0	0	19.3061	19.3061	0.7
35	180	3.00	0.0	0	17.8386	17.8386	0.7
36	185	3.08	0.0	0	16.3930	16.3930	0.7
37	190	3.17	0.0	0	14.9691	14.9691	0.7
38	195	3.25	0.0	0	13.5664	13.5664	0.7
39	200	3.33	0.0	0	12.1847	12.1847	0.7
40	205	3.42	0.0	0	10.8236	10.8236	0.7
41	210	3.50	0.0	0	9.4988	9.4988	0.7
42	215	3.58	0.0	0	8.2102	8.2102	0.6
43	220	3.67	0.0	0	6.9566	6.9566	0.6
44	225	3.75	0.0	0	5.7373	5.7373	0.6
45	230	3.83	0.0	0	4.5512	4.5512	0.6
46	235	3.92	0.0	0	3.4322	3.4322	0.6
47	48	0.80	0.0	0	2.3838	2.3838	0.5
48	49	0.82	0.0	0	1.4018	1.4018	0.5
49	50	0.83	0.0	0	0.5653	0.5653	0.4
50	51	0.85	0.0	0	-0.0762	-0.0762	0.3

Davis Moore 1.07 acre D.A:

Detention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 1.07 acre D.A.

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  13:53:32   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET             *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```

```
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

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

  1           ID  DAVIS MOORE FACILITY
  2           IT       5 04FEB99       0     300
  3           IO       0       0
              *
  4           KK    MAIN
  5           BA   .0017
              *      0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
  6           PH      20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *     50       0   0.464  0.9575    1.69    7.98    2.16    2.52
  7           UD   0.15
  8           LS      0      98
              *
  9           ZZ
```


```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  13:53:32   *
*****************************************
```

****
*   *
*   U.S. ARMY CORPS OF ENGINEERS   *
*   HYDROLOGIC ENGINEERING CENTER   *
*   609 SECOND STREET   *
*   DAVIS, CALIFORNIA 95616   *
*   (916) 551-1748   *
*   *
****

DAVIS MOORE FACILITY

```
3 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     4FEB99  STARTING DATE
```

ITIME	0000	STARTING TIME
NQ	300	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5FEB99	ENDING DATE
NDTIME	0055	ENDING TIME
ICENT	19	CENTURY MARK

COMPUTATION INTERVAL 0.08 HOURS
TOTAL TIME BASE 24.92 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

*** ***

****
*
4 KK * MAIN *
*
****

SUBBASIN RUNOFF DATA

5 BA SUBBASIN CHARACTERISTICS
TAREA 0.00 SUBBASIN AREA

PRECIPITATION DATA

6 PH DEPTHS FOR 20-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.54	1.14	2.15	2.66	2.91	3.42	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.00

8 LS SCS LOSS RATE

STRTL	0.04	INITIAL ABSTRACTION
CRVNBR	98.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

7 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.15 LAG

***

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

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES

2.	4.	4.	2.	1.	0.	0.	0.	0.	0.
0.									

HYDROGRAPH AT STATION MAIN

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
4	FEB	0000	1	0.00	0.00	0.00	0.	4	FEB	1230	151	0.00	0.00	0.00	0.
4	FEB	0005	2	0.01	0.01	0.00	0.	4	FEB	1235	152	0.00	0.00	0.00	0.
4	FEB	0010	3	0.01	0.01	0.00	0.	4	FEB	1240	153	0.00	0.00	0.00	0.
4	FEB	0015	4	0.01	0.01	0.00	0.	4	FEB	1245	154	0.00	0.00	0.00	0.
4	FEB	0020	5	0.01	0.01	0.00	0.	4	FEB	1250	155	0.00	0.00	0.00	0.
4	FEB	0025	6	0.01	0.01	0.00	0.	4	FEB	1255	156	0.00	0.00	0.00	0.
4	FEB	0030	7	0.01	0.01	0.00	0.	4	FEB	1300	157	0.00	0.00	0.00	0.
4	FEB	0035	8	0.01	0.01	0.00	0.	4	FEB	1305	158	0.00	0.00	0.00	0.
4	FEB	0040	9	0.01	0.01	0.00	0.	4	FEB	1310	159	0.00	0.00	0.00	0.
4	FEB	0045	10	0.01	0.01	0.01	0.	4	FEB	1315	160	0.00	0.00	0.00	0.
4	FEB	0050	11	0.01	0.01	0.01	0.	4	FEB	1320	161	0.00	0.00	0.00	0.
4	FEB	0055	12	0.01	0.01	0.01	0.	4	FEB	1325	162	0.00	0.00	0.00	0.
4	FEB	0100	13	0.01	0.01	0.01	0.	4	FEB	1330	163	0.00	0.00	0.00	0.
4	FEB	0105	14	0.01	0.01	0.01	0.	4	FEB	1335	164	0.00	0.00	0.00	0.
4	FEB	0110	15	0.02	0.01	0.01	0.	4	FEB	1340	165	0.00	0.00	0.00	0.
4	FEB	0115	16	0.02	0.01	0.01	0.	4	FEB	1345	166	0.00	0.00	0.00	0.
4	FEB	0120	17	0.02	0.01	0.01	0.	4	FEB	1350	167	0.00	0.00	0.00	0.
4	FEB	0125	18	0.02	0.00	0.01	0.	4	FEB	1355	168	0.00	0.00	0.00	0.
4	FEB	0130	19	0.02	0.00	0.01	0.	4	FEB	1400	169	0.00	0.00	0.00	0.
4	FEB	0135	20	0.02	0.00	0.01	0.	4	FEB	1405	170	0.00	0.00	0.00	0.
4	FEB	0140	21	0.02	0.00	0.01	0.	4	FEB	1410	171	0.00	0.00	0.00	0.
4	FEB	0145	22	0.02	0.00	0.02	0.	4	FEB	1415	172	0.00	0.00	0.00	0.
4	FEB	0150	23	0.02	0.00	0.02	0.	4	FEB	1420	173	0.00	0.00	0.00	0.
4	FEB	0155	24	0.02	0.00	0.02	0.	4	FEB	1425	174	0.00	0.00	0.00	0.
4	FEB	0200	25	0.02	0.00	0.02	0.	4	FEB	1430	175	0.00	0.00	0.00	0.
4	FEB	0205	26	0.03	0.00	0.03	0.	4	FEB	1435	176	0.00	0.00	0.00	0.
4	FEB	0210	27	0.04	0.00	0.03	0.	4	FEB	1440	177	0.00	0.00	0.00	0.
4	FEB	0215	28	0.04	0.00	0.03	0.	4	FEB	1445	178	0.00	0.00	0.00	0.
4	FEB	0220	29	0.04	0.00	0.04	0.	4	FEB	1450	179	0.00	0.00	0.00	0.
4	FEB	0225	30	0.04	0.00	0.04	0.	4	FEB	1455	180	0.00	0.00	0.00	0.
4	FEB	0230	31	0.05	0.00	0.04	0.	4	FEB	1500	181	0.00	0.00	0.00	0.
4	FEB	0235	32	0.07	0.00	0.07	1.	4	FEB	1505	182	0.00	0.00	0.00	0.
4	FEB	0240	33	0.08	0.00	0.07	1.	4	FEB	1510	183	0.00	0.00	0.00	0.
4	FEB	0245	34	0.09	0.00	0.09	1.	4	FEB	1515	184	0.00	0.00	0.00	0.
4	FEB	0250	35	0.14	0.01	0.14	1.	4	FEB	1520	185	0.00	0.00	0.00	0.
4	FEB	0255	36	0.18	0.00	0.17	1.	4	FEB	1525	186	0.00	0.00	0.00	0.
4	FEB	0300	37	0.34	0.01	0.33	2.	4	FEB	1530	187	0.00	0.00	0.00	0.
4	FEB	0305	38	0.52	0.01	0.52	3.	4	FEB	1535	188	0.00	0.00	0.00	0.
4	FEB	0310	39	0.23	0.00	0.23	4.	4	FEB	1540	189	0.00	0.00	0.00	0.
4	FEB	0315	40	0.16	0.00	0.16	4.	4	FEB	1545	190	0.00	0.00	0.00	0.
4	FEB	0320	41	0.10	0.00	0.10	3.	4	FEB	1550	191	0.00	0.00	0.00	0.
4	FEB	0325	42	0.08	0.00	0.08	2.	4	FEB	1555	192	0.00	0.00	0.00	0.
4	FEB	0330	43	0.07	0.00	0.07	2.	4	FEB	1600	193	0.00	0.00	0.00	0.
4	FEB	0335	44	0.05	0.00	0.05	1.	4	FEB	1605	194	0.00	0.00	0.00	0.
4	FEB	0340	45	0.05	0.00	0.05	1.	4	FEB	1610	195	0.00	0.00	0.00	0.
4	FEB	0345	46	0.04	0.00	0.04	1.	4	FEB	1615	196	0.00	0.00	0.00	0.
4	FEB	0350	47	0.04	0.00	0.04	1.	4	FEB	1620	197	0.00	0.00	0.00	0.
4	FEB	0355	48	0.04	0.00	0.04	1.	4	FEB	1625	198	0.00	0.00	0.00	0.
4	FEB	0400	49	0.03	0.00	0.03	1.	4	FEB	1630	199	0.00	0.00	0.00	0.
4	FEB	0405	50	0.02	0.00	0.02	0.	4	FEB	1635	200	0.00	0.00	0.00	0.
4	FEB	0410	51	0.02	0.00	0.02	0.	4	FEB	1640	201	0.00	0.00	0.00	0.
4	FEB	0415	52	0.02	0.00	0.02	0.	4	FEB	1645	202	0.00	0.00	0.00	0.
4	FEB	0420	53	0.02	0.00	0.02	0.	4	FEB	1650	203	0.00	0.00	0.00	0.
4	FEB	0425	54	0.02	0.00	0.02	0.	4	FEB	1655	204	0.00	0.00	0.00	0.
4	FEB	0430	55	0.02	0.00	0.02	0.	4	FEB	1700	205	0.00	0.00	0.00	0.
4	FEB	0435	56	0.02	0.00	0.02	0.	4	FEB	1705	206	0.00	0.00	0.00	0.
4	FEB	0440	57	0.02	0.00	0.02	0.	4	FEB	1710	207	0.00	0.00	0.00	0.
4	FEB	0445	58	0.02	0.00	0.02	0.	4	FEB	1715	208	0.00	0.00	0.00	0.
4	FEB	0450	59	0.02	0.00	0.02	0.	4	FEB	1720	209	0.00	0.00	0.00	0.
4	FEB	0455	60	0.02	0.00	0.02	0.	4	FEB	1725	210	0.00	0.00	0.00	0.
4	FEB	0500	61	0.01	0.00	0.01	0.	4	FEB	1730	211	0.00	0.00	0.00	0.
4	FEB	0505	62	0.01	0.00	0.01	0.	4	FEB	1735	212	0.00	0.00	0.00	0.
4	FEB	0510	63	0.01	0.00	0.01	0.	4	FEB	1740	213	0.00	0.00	0.00	0.
4	FEB	0515	64	0.01	0.00	0.01	0.	4	FEB	1745	214	0.00	0.00	0.00	0.
4	FEB	0520	65	0.01	0.00	0.01	0.	4	FEB	1750	215	0.00	0.00	0.00	0.
4	FEB	0525	66	0.01	0.00	0.01	0.	4	FEB	1755	216	0.00	0.00	0.00	0.
4	FEB	0530	67	0.01	0.00	0.01	0.	4	FEB	1800	217	0.00	0.00	0.00	0.
4	FEB	0535	68	0.01	0.00	0.01	0.	4	FEB	1805	218	0.00	0.00	0.00	0.
4	FEB	0540	69	0.01	0.00	0.01	0.	4	FEB	1810	219	0.00	0.00	0.00	0.
4	FEB	0545	70	0.01	0.00	0.01	0.	4	FEB	1815	220	0.00	0.00	0.00	0.

4 FEB 0550	71	0.01	0.00	0.01	0.	*
4 FEB 0555	72	0.01	0.00	0.01	0.	*
4 FEB 0600	73	0.01	0.00	0.01	0.	*
4 FEB 0605	74	0.00	0.00	0.00	0.	*
4 FEB 0610	75	0.00	0.00	0.00	0.	*
4 FEB 0615	76	0.00	0.00	0.00	0.	*
4 FEB 0620	77	0.00	0.00	0.00	0.	*
4 FEB 0625	78	0.00	0.00	0.00	0.	*
4 FEB 0630	79	0.00	0.00	0.00	0.	*
4 FEB 0635	80	0.00	0.00	0.00	0.	*
4 FEB 0640	81	0.00	0.00	0.00	0.	*
4 FEB 0645	82	0.00	0.00	0.00	0.	*
4 FEB 0650	83	0.00	0.00	0.00	0.	*
4 FEB 0655	84	0.00	0.00	0.00	0.	*
4 FEB 0700	85	0.00	0.00	0.00	0.	*
4 FEB 0705	86	0.00	0.00	0.00	0.	*
4 FEB 0710	87	0.00	0.00	0.00	0.	*
4 FEB 0715	88	0.00	0.00	0.00	0.	*
4 FEB 0720	89	0.00	0.00	0.00	0.	*
4 FEB 0725	90	0.00	0.00	0.00	0.	*
4 FEB 0730	91	0.00	0.00	0.00	0.	*
4 FEB 0735	92	0.00	0.00	0.00	0.	*
4 FEB 0740	93	0.00	0.00	0.00	0.	*
4 FEB 0745	94	0.00	0.00	0.00	0.	*
4 FEB 0750	95	0.00	0.00	0.00	0.	*
4 FEB 0755	96	0.00	0.00	0.00	0.	*
4 FEB 0800	97	0.00	0.00	0.00	0.	*
4 FEB 0805	98	0.00	0.00	0.00	0.	*
4 FEB 0810	99	0.00	0.00	0.00	0.	*
4 FEB 0815	100	0.00	0.00	0.00	0.	*
4 FEB 0820	101	0.00	0.00	0.00	0.	*
4 FEB 0825	102	0.00	0.00	0.00	0.	*
4 FEB 0830	103	0.00	0.00	0.00	0.	*
4 FEB 0835	104	0.00	0.00	0.00	0.	*
4 FEB 0840	105	0.00	0.00	0.00	0.	*
4 FEB 0845	106	0.00	0.00	0.00	0.	*
4 FEB 0850	107	0.00	0.00	0.00	0.	*
4 FEB 0855	108	0.00	0.00	0.00	0.	*
4 FEB 0900	109	0.00	0.00	0.00	0.	*
4 FEB 0905	110	0.00	0.00	0.00	0.	*
4 FEB 0910	111	0.00	0.00	0.00	0.	*
4 FEB 0915	112	0.00	0.00	0.00	0.	*
4 FEB 0920	113	0.00	0.00	0.00	0.	*
4 FEB 0925	114	0.00	0.00	0.00	0.	*
4 FEB 0930	115	0.00	0.00	0.00	0.	*
4 FEB 0935	116	0.00	0.00	0.00	0.	*
4 FEB 0940	117	0.00	0.00	0.00	0.	*
4 FEB 0945	118	0.00	0.00	0.00	0.	*
4 FEB 0950	119	0.00	0.00	0.00	0.	*
4 FEB 0955	120	0.00	0.00	0.00	0.	*
4 FEB 1000	121	0.00	0.00	0.00	0.	*
4 FEB 1005	122	0.00	0.00	0.00	0.	*
4 FEB 1010	123	0.00	0.00	0.00	0.	*
4 FEB 1015	124	0.00	0.00	0.00	0.	*
4 FEB 1020	125	0.00	0.00	0.00	0.	*
4 FEB 1025	126	0.00	0.00	0.00	0.	*
4 FEB 1030	127	0.00	0.00	0.00	0.	*
4 FEB 1035	128	0.00	0.00	0.00	0.	*
4 FEB 1040	129	0.00	0.00	0.00	0.	*
4 FEB 1045	130	0.00	0.00	0.00	0.	*
4 FEB 1050	131	0.00	0.00	0.00	0.	*
4 FEB 1055	132	0.00	0.00	0.00	0.	*
4 FEB 1100	133	0.00	0.00	0.00	0.	*
4 FEB 1105	134	0.00	0.00	0.00	0.	*
4 FEB 1110	135	0.00	0.00	0.00	0.	*
4 FEB 1115	136	0.00	0.00	0.00	0.	*
4 FEB 1120	137	0.00	0.00	0.00	0.	*
4 FEB 1125	138	0.00	0.00	0.00	0.	*
4 FEB 1130	139	0.00	0.00	0.00	0.	*
4 FEB 1135	140	0.00	0.00	0.00	0.	*
4 FEB 1140	141	0.00	0.00	0.00	0.	*
4 FEB 1145	142	0.00	0.00	0.00	0.	*
4 FEB 1150	143	0.00	0.00	0.00	0.	*
4 FEB 1155	144	0.00	0.00	0.00	0.	*
4 FEB 1200	145	0.00	0.00	0.00	0.	*
4 FEB 1205	146	0.00	0.00	0.00	0.	*
4 FEB 1210	147	0.00	0.00	0.00	0.	*
4 FEB 1215	148	0.00	0.00	0.00	0.	*
4 FEB 1820	221	0.00	0.00	0.00	0.	
4 FEB 1825	222	0.00	0.00	0.00	0.	
4 FEB 1830	223	0.00	0.00	0.00	0.	
4 FEB 1835	224	0.00	0.00	0.00	0.	
4 FEB 1840	225	0.00	0.00	0.00	0.	
4 FEB 1845	226	0.00	0.00	0.00	0.	
4 FEB 1850	227	0.00	0.00	0.00	0.	
4 FEB 1855	228	0.00	0.00	0.00	0.	
4 FEB 1900	229	0.00	0.00	0.00	0.	
4 FEB 1905	230	0.00	0.00	0.00	0.	
4 FEB 1910	231	0.00	0.00	0.00	0.	
4 FEB 1915	232	0.00	0.00	0.00	0.	
4 FEB 1920	233	0.00	0.00	0.00	0.	
4 FEB 1925	234	0.00	0.00	0.00	0.	
4 FEB 1930	235	0.00	0.00	0.00	0.	
4 FEB 1935	236	0.00	0.00	0.00	0.	
4 FEB 1940	237	0.00	0.00	0.00	0.	
4 FEB 1945	238	0.00	0.00	0.00	0.	
4 FEB 1950	239	0.00	0.00	0.00	0.	
4 FEB 1955	240	0.00	0.00	0.00	0.	
4 FEB 2000	241	0.00	0.00	0.00	0.	
4 FEB 2005	242	0.00	0.00	0.00	0.	
4 FEB 2010	243	0.00	0.00	0.00	0.	
4 FEB 2015	244	0.00	0.00	0.00	0.	
4 FEB 2020	245	0.00	0.00	0.00	0.	
4 FEB 2025	246	0.00	0.00	0.00	0.	
4 FEB 2030	247	0.00	0.00	0.00	0.	
4 FEB 2035	248	0.00	0.00	0.00	0.	
4 FEB 2040	249	0.00	0.00	0.00	0.	
4 FEB 2045	250	0.00	0.00	0.00	0.	
4 FEB 2050	251	0.00	0.00	0.00	0.	
4 FEB 2055	252	0.00	0.00	0.00	0.	
4 FEB 2100	253	0.00	0.00	0.00	0.	
4 FEB 2105	254	0.00	0.00	0.00	0.	
4 FEB 2110	255	0.00	0.00	0.00	0.	
4 FEB 2115	256	0.00	0.00	0.00	0.	
4 FEB 2120	257	0.00	0.00	0.00	0.	
4 FEB 2125	258	0.00	0.00	0.00	0.	
4 FEB 2130	259	0.00	0.00	0.00	0.	
4 FEB 2135	260	0.00	0.00	0.00	0.	
4 FEB 2140	261	0.00	0.00	0.00	0.	
4 FEB 2145	262	0.00	0.00	0.00	0.	
4 FEB 2150	263	0.00	0.00	0.00	0.	
4 FEB 2155	264	0.00	0.00	0.00	0.	
4 FEB 2200	265	0.00	0.00	0.00	0.	
4 FEB 2205	266	0.00	0.00	0.00	0.	
4 FEB 2210	267	0.00	0.00	0.00	0.	
4 FEB 2215	268	0.00	0.00	0.00	0.	
4 FEB 2220	269	0.00	0.00	0.00	0.	
4 FEB 2225	270	0.00	0.00	0.00	0.	
4 FEB 2230	271	0.00	0.00	0.00	0.	
4 FEB 2235	272	0.00	0.00	0.00	0.	
4 FEB 2240	273	0.00	0.00	0.00	0.	
4 FEB 2245	274	0.00	0.00	0.00	0.	
4 FEB 2250	275	0.00	0.00	0.00	0.	
4 FEB 2255	276	0.00	0.00	0.00	0.	
4 FEB 2300	277	0.00	0.00	0.00	0.	
4 FEB 2305	278	0.00	0.00	0.00	0.	
4 FEB 2310	279	0.00	0.00	0.00	0.	
4 FEB 2315	280	0.00	0.00	0.00	0.	
4 FEB 2320	281	0.00	0.00	0.00	0.	
4 FEB 2325	282	0.00	0.00	0.00	0.	
4 FEB 2330	283	0.00	0.00	0.00	0.	
4 FEB 2335	284	0.00	0.00	0.00	0.	
4 FEB 2340	285	0.00	0.00	0.00	0.	
4 FEB 2345	286	0.00	0.00	0.00	0.	
4 FEB 2350	287	0.00	0.00	0.00	0.	
4 FEB 2355	288	0.00	0.00	0.00	0.	
5 FEB 0000	289	0.00	0.00	0.00	0.	
5 FEB 0005	290	0.00	0.00	0.00	0.	
5 FEB 0010	291	0.00	0.00	0.00	0.	
5 FEB 0015	292	0.00	0.00	0.00	0.	
5 FEB 0020	293	0.00	0.00	0.00	0.	
5 FEB 0025	294	0.00	0.00	0.00	0.	
5 FEB 0030	295	0.00	0.00	0.00	0.	
5 FEB 0035	296	0.00	0.00	0.00	0.	
5 FEB 0040	297	0.00	0.00	0.00	0.	
5 FEB 0045	298	0.00	0.00	0.00	0.	

4 FEB	1220	149	0.00	0.00	0.00	0.	*	5 FEB	0050	299	0.00	0.00	0.00	0.
4 FEB	1225	150	0.00	0.00	0.00	0.	*	5 FEB	0055	300	0.00	0.00	0.00	0.

****

TOTAL RAINFALL = 3.28, TOTAL LOSS = 0.23, TOTAL EXCESS = 3.05

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)	(CFS)				
4.	3.17		1.	0.	0.	0.
		(INCHES)	3.049	3.050	3.050	3.050
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

1

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	MAIN	4.	3.17	1.	0.	0.	0.00		

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

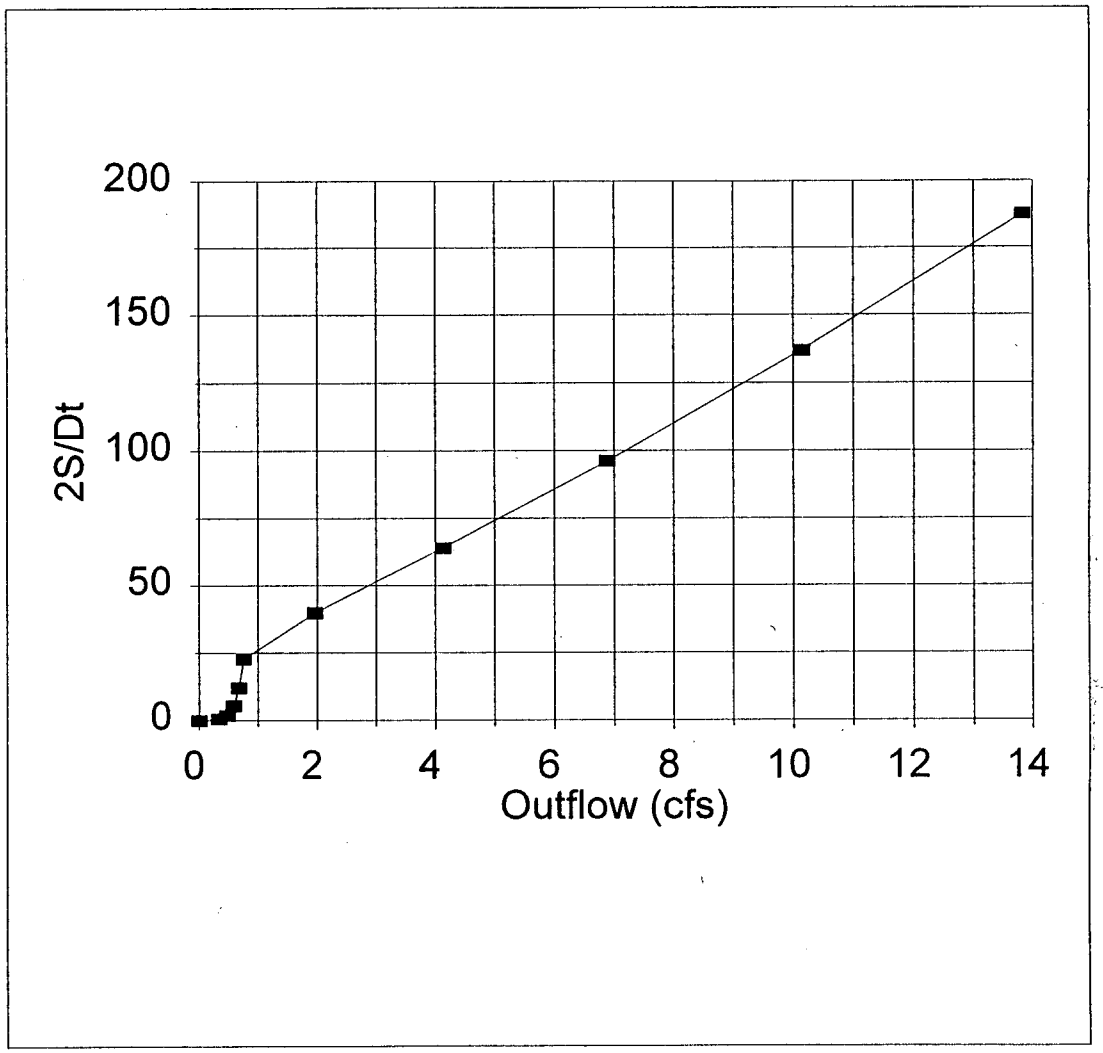
5-yr Detention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	2	2.9372	4.9372	0.5
4	25	0.42	1.0	3	3.7937	6.7937	0.6
5	30	0.50	2.0	5	5.5789	10.5789	0.6
6	35	0.58	3.0	7	9.2607	16.2607	0.7
7	40	0.67	4.0	8	14.8388	22.8388	0.7
8	45	0.75	4.0	7	21.3162	28.3162	0.8
9	50	0.83	3.0	5	26.0162	31.0162	1.1
10	55	0.92	2.0	4	28.3330	32.3330	1.3
11	60	1.00	2.0	3	29.4629	32.4629	1.4
12	65	1.08	1.0	2	29.5743	31.5743	1.4
13	70	1.17	1.0	2	28.8119	30.8119	1.4
14	75	1.25	1.0	2	28.1577	30.1577	1.3
15	80	1.33	1.0	2	27.5963	29.5963	1.3
16	85	1.42	1.0	2	27.1146	29.1146	1.2
17	90	1.50	1.0	1	26.7013	27.7013	1.2
18	95	1.58	0.0	0	25.4886	25.4886	1.1
19	100	1.67	0.0	0	23.5899	23.5899	0.9
20	105	1.75	0.0	0	21.9608	21.9608	0.8
21	110	1.83	0.0	0	20.4536	20.4536	0.8
22	115	1.92	0.0	0	18.9690	18.9690	0.7
23	120	2.00	0.0	0	17.5065	17.5065	0.7
24	125	2.08	0.0	0	16.0660	16.0660	0.7
25	130	2.17	0.0	0	14.6469	14.6469	0.7
26	135	2.25	0.0	0	13.2490	13.2490	0.7
27	140	2.33	0.0	0	11.8721	11.8721	0.7
28	145	2.42	0.0	0	10.5187	10.5187	0.7
29	150	2.50	0.0	0	9.2022	9.2022	0.7
30	155	2.58	0.0	0	7.9216	7.9216	0.6
31	160	2.67	0.0	0	6.6759	6.6759	0.6
32	165	2.75	0.0	0	5.4643	5.4643	0.6
33	170	2.83	0.0	0	4.2875	4.2875	0.6
34	175	2.92	0.0	0	3.1851	3.1851	0.6
35	180	3.00	0.0	0	2.1524	2.1524	0.5
36	185	3.08	0.0	0	1.1850	1.1850	0.5
37	190	3.17	0.0	0	0.3907	0.3907	0.4
38	195	3.25	0.0	0	-0.0527	-0.0527	0.2
39	200	3.33	0.0	0	-0.0527	-0.0527	0.0
40	205	3.42	0.0	0	-0.0527	-0.0527	0.0
41	210	3.50	0.0	0	-0.0527	-0.0527	0.0
42	215	3.58	0.0	0	-0.0527	-0.0527	0.0
43	220	3.67	0.0	0	-0.0527	-0.0527	0.0
44	225	3.75	0.0	0	-0.0527	-0.0527	0.0
45	230	3.83	0.0	0	-0.0527	-0.0527	0.0
46	235	3.92	0.0	0	-0.0527	-0.0527	0.0
47	48	0.80	0.0	0	-0.0527	-0.0527	0.0
48	49	0.82	0.0	0	-0.0527	-0.0527	0.0
49	50	0.83	0.0	0	-0.0527	-0.0527	0.0
50	51	0.85	0.0	0	-0.0527	-0.0527	0.0

Davis Moore 1.07 acre D.A:

Detention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 1.07 acre D.A.

Davis Moore Facility, 100-yr Storm, Area #4, D.A. = 3.24 acres

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  14:13:41   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET             *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```

```
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

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

  1           ID  DAVIS MOORE FACILITY
  2           IT       5 04FEB99       0     300
  3           IO       0       0
              *

  4           KK    MAIN
  5           BA   .0051
  6           PH       0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
              *     20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *     50       0   0.464  0.9575    1.69    7.98    2.16    2.52
  7           UD    0.15
  8           LS       0      98
              *
  9           ZZ
```


```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  14:13:41   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET             *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```


DAVIS MOORE FACILITY

```
3 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     4FEB99  STARTING DATE
```

ITIME	0000	STARTING TIME
NQ	300	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5FEB99	ENDING DATE
NDTIME	0055	ENDING TIME
ICENT	19	CENTURY MARK

COMPUTATION INTERVAL 0.08 HOURS
TOTAL TIME BASE 24.92 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

*** ***

****
* *
4 KK * MAIN *
* *
****

SUBBASIN RUNOFF DATA

5 BA SUBBASIN CHARACTERISTICS

TAREA	0.01	SUBBASIN AREA

PRECIPITATION DATA

6 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.86	1.84	3.73	4.60	5.04	5.94	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.01

8 LS SCS LOSS RATE

STRTL	0.04	INITIAL ABSTRACTION
CRVNBR	98.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

7 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.15	LAG

***

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

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES

5.	13.	11.	6.	3.	1.	1.	0.	0.	0.
0.									

HYDROGRAPH AT STATION MAIN

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
4 FEB 0000	1	0.00	0.00	0.00	0.	4 FEB 1230	151	0.00	0.00	0.00	0.
4 FEB 0005	2	0.02	0.02	0.00	0.	4 FEB 1235	152	0.00	0.00	0.00	0.
4 FEB 0010	3	0.02	0.02	0.00	0.	4 FEB 1240	153	0.00	0.00	0.00	0.
4 FEB 0015	4	0.02	0.02	0.00	0.	4 FEB 1245	154	0.00	0.00	0.00	0.
4 FEB 0020	5	0.02	0.02	0.01	0.	4 FEB 1250	155	0.00	0.00	0.00	0.
4 FEB 0025	6	0.02	0.01	0.01	0.	4 FEB 1255	156	0.00	0.00	0.00	0.
4 FEB 0030	7	0.02	0.01	0.01	0.	4 FEB 1300	157	0.00	0.00	0.00	0.
4 FEB 0035	8	0.02	0.01	0.01	0.	4 FEB 1305	158	0.00	0.00	0.00	0.
4 FEB 0040	9	0.02	0.01	0.01	0.	4 FEB 1310	159	0.00	0.00	0.00	0.
4 FEB 0045	10	0.02	0.01	0.02	0.	4 FEB 1315	160	0.00	0.00	0.00	0.
4 FEB 0050	11	0.02	0.01	0.02	1.	4 FEB 1320	161	0.00	0.00	0.00	0.
4 FEB 0055	12	0.03	0.01	0.02	1.	4 FEB 1325	162	0.00	0.00	0.00	0.
4 FEB 0100	13	0.03	0.01	0.02	1.	4 FEB 1330	163	0.00	0.00	0.00	0.
4 FEB 0105	14	0.03	0.01	0.02	1.	4 FEB 1335	164	0.00	0.00	0.00	0.
4 FEB 0110	15	0.03	0.01	0.02	1.	4 FEB 1340	165	0.00	0.00	0.00	0.
4 FEB 0115	16	0.03	0.00	0.02	1.	4 FEB 1345	166	0.00	0.00	0.00	0.
4 FEB 0120	17	0.03	0.00	0.03	1.	4 FEB 1350	167	0.00	0.00	0.00	0.
4 FEB 0125	18	0.03	0.00	0.03	1.	4 FEB 1355	168	0.00	0.00	0.00	0.
4 FEB 0130	19	0.03	0.00	0.03	1.	4 FEB 1400	169	0.00	0.00	0.00	0.
4 FEB 0135	20	0.03	0.00	0.03	1.	4 FEB 1405	170	0.00	0.00	0.00	0.
4 FEB 0140	21	0.03	0.00	0.03	1.	4 FEB 1410	171	0.00	0.00	0.00	0.
4 FEB 0145	22	0.03	0.00	0.03	1.	4 FEB 1415	172	0.00	0.00	0.00	0.
4 FEB 0150	23	0.04	0.00	0.03	1.	4 FEB 1420	173	0.00	0.00	0.00	0.
4 FEB 0155	24	0.04	0.00	0.04	1.	4 FEB 1425	174	0.00	0.00	0.00	0.
4 FEB 0200	25	0.04	0.00	0.04	1.	4 FEB 1430	175	0.00	0.00	0.00	0.
4 FEB 0205	26	0.06	0.00	0.06	2.	4 FEB 1435	176	0.00	0.00	0.00	0.
4 FEB 0210	27	0.06	0.00	0.06	2.	4 FEB 1440	177	0.00	0.00	0.00	0.
4 FEB 0215	28	0.07	0.00	0.06	2.	4 FEB 1445	178	0.00	0.00	0.00	0.
4 FEB 0220	29	0.07	0.00	0.07	2.	4 FEB 1450	179	0.00	0.00	0.00	0.
4 FEB 0225	30	0.08	0.00	0.08	3.	4 FEB 1455	180	0.00	0.00	0.00	0.
4 FEB 0230	31	0.09	0.00	0.08	3.	4 FEB 1500	181	0.00	0.00	0.00	0.
4 FEB 0235	32	0.14	0.00	0.13	3.	4 FEB 1505	182	0.00	0.00	0.00	0.
4 FEB 0240	33	0.15	0.00	0.15	4.	4 FEB 1510	183	0.00	0.00	0.00	0.
4 FEB 0245	34	0.18	0.00	0.17	5.	4 FEB 1515	184	0.00	0.00	0.00	0.
4 FEB 0250	35	0.28	0.00	0.28	6.	4 FEB 1520	185	0.00	0.00	0.00	0.
4 FEB 0255	36	0.34	0.00	0.34	8.	4 FEB 1525	186	0.00	0.00	0.00	0.
4 FEB 0300	37	0.58	0.00	0.58	12.	4 FEB 1530	187	0.00	0.00	0.00	0.
4 FEB 0305	38	0.86	0.00	0.86	17.	4 FEB 1535	188	0.00	0.00	0.00	0.
4 FEB 0310	39	0.40	0.00	0.40	22.	4 FEB 1540	189	0.00	0.00	0.00	0.
4 FEB 0315	40	0.31	0.00	0.30	21.	4 FEB 1545	190	0.00	0.00	0.00	0.
4 FEB 0320	41	0.19	0.00	0.19	16.	4 FEB 1550	191	0.00	0.00	0.00	0.
4 FEB 0325	42	0.16	0.00	0.16	12.	4 FEB 1555	192	0.00	0.00	0.00	0.
4 FEB 0330	43	0.14	0.00	0.14	9.	4 FEB 1600	193	0.00	0.00	0.00	0.
4 FEB 0335	44	0.09	0.00	0.09	7.	4 FEB 1605	194	0.00	0.00	0.00	0.
4 FEB 0340	45	0.08	0.00	0.08	6.	4 FEB 1610	195	0.00	0.00	0.00	0.
4 FEB 0345	46	0.08	0.00	0.08	4.	4 FEB 1615	196	0.00	0.00	0.00	0.
4 FEB 0350	47	0.07	0.00	0.07	4.	4 FEB 1620	197	0.00	0.00	0.00	0.
4 FEB 0355	48	0.06	0.00	0.06	3.	4 FEB 1625	198	0.00	0.00	0.00	0.
4 FEB 0400	49	0.06	0.00	0.06	3.	4 FEB 1630	199	0.00	0.00	0.00	0.
4 FEB 0405	50	0.04	0.00	0.04	3.	4 FEB 1635	200	0.00	0.00	0.00	0.
4 FEB 0410	51	0.04	0.00	0.04	2.	4 FEB 1640	201	0.00	0.00	0.00	0.
4 FEB 0415	52	0.04	0.00	0.04	2.	4 FEB 1645	202	0.00	0.00	0.00	0.
4 FEB 0420	53	0.04	0.00	0.04	2.	4 FEB 1650	203	0.00	0.00	0.00	0.
4 FEB 0425	54	0.03	0.00	0.03	2.	4 FEB 1655	204	0.00	0.00	0.00	0.
4 FEB 0430	55	0.03	0.00	0.03	1.	4 FEB 1700	205	0.00	0.00	0.00	0.
4 FEB 0435	56	0.03	0.00	0.03	1.	4 FEB 1705	206	0.00	0.00	0.00	0.
4 FEB 0440	57	0.03	0.00	0.03	1.	4 FEB 1710	207	0.00	0.00	0.00	0.
4 FEB 0445	58	0.03	0.00	0.03	1.	4 FEB 1715	208	0.00	0.00	0.00	0.
4 FEB 0450	59	0.03	0.00	0.03	1.	4 FEB 1720	209	0.00	0.00	0.00	0.
4 FEB 0455	60	0.03	0.00	0.03	1.	4 FEB 1725	210	0.00	0.00	0.00	0.
4 FEB 0500	61	0.03	0.00	0.03	1.	4 FEB 1730	211	0.00	0.00	0.00	0.
4 FEB 0505	62	0.03	0.00	0.03	1.	4 FEB 1735	212	0.00	0.00	0.00	0.
4 FEB 0510	63	0.03	0.00	0.03	1.	4 FEB 1740	213	0.00	0.00	0.00	0.
4 FEB 0515	64	0.02	0.00	0.02	1.	4 FEB 1745	214	0.00	0.00	0.00	0.
4 FEB 0520	65	0.02	0.00	0.02	1.	4 FEB 1750	215	0.00	0.00	0.00	0.
4 FEB 0525	66	0.02	0.00	0.02	1.	4 FEB 1755	216	0.00	0.00	0.00	0.
4 FEB 0530	67	0.02	0.00	0.02	1.	4 FEB 1800	217	0.00	0.00	0.00	0.
4 FEB 0535	68	0.02	0.00	0.02	1.	4 FEB 1805	218	0.00	0.00	0.00	0.
4 FEB 0540	69	0.02	0.00	0.02	1.	4 FEB 1810	219	0.00	0.00	0.00	0.
4 FEB 0545	70	0.02	0.00	0.02	1.	4 FEB 1815	220	0.00	0.00	0.00	0.

4 FEB 0550	71	0.02	0.00	0.02	1.	*	4 FEB 1820	221	0.00	0.00	0.00	0.
4 FEB 0555	72	0.02	0.00	0.02	1.	*	4 FEB 1825	222	0.00	0.00	0.00	0.
4 FEB 0600	73	0.02	0.00	0.02	1.	*	4 FEB 1830	223	0.00	0.00	0.00	0.
4 FEB 0605	74	0.00	0.00	0.00	1.	*	4 FEB 1835	224	0.00	0.00	0.00	0.
4 FEB 0610	75	0.00	0.00	0.00	0.	*	4 FEB 1840	225	0.00	0.00	0.00	0.
4 FEB 0615	76	0.00	0.00	0.00	0.	*	4 FEB 1845	226	0.00	0.00	0.00	0.
4 FEB 0620	77	0.00	0.00	0.00	0.	*	4 FEB 1850	227	0.00	0.00	0.00	0.
4 FEB 0625	78	0.00	0.00	0.00	0.	*	4 FEB 1855	228	0.00	0.00	0.00	0.
4 FEB 0630	79	0.00	0.00	0.00	0.	*	4 FEB 1900	229	0.00	0.00	0.00	0.
4 FEB 0635	80	0.00	0.00	0.00	0.	*	4 FEB 1905	230	0.00	0.00	0.00	0.
4 FEB 0640	81	0.00	0.00	0.00	0.	*	4 FEB 1910	231	0.00	0.00	0.00	0.
4 FEB 0645	82	0.00	0.00	0.00	0.	*	4 FEB 1915	232	0.00	0.00	0.00	0.
4 FEB 0650	83	0.00	0.00	0.00	0.	*	4 FEB 1920	233	0.00	0.00	0.00	0.
4 FEB 0655	84	0.00	0.00	0.00	0.	*	4 FEB 1925	234	0.00	0.00	0.00	0.
4 FEB 0700	85	0.00	0.00	0.00	0.	*	4 FEB 1930	235	0.00	0.00	0.00	0.
4 FEB 0705	86	0.00	0.00	0.00	0.	*	4 FEB 1935	236	0.00	0.00	0.00	0.
4 FEB 0710	87	0.00	0.00	0.00	0.	*	4 FEB 1940	237	0.00	0.00	0.00	0.
4 FEB 0715	88	0.00	0.00	0.00	0.	*	4 FEB 1945	238	0.00	0.00	0.00	0.
4 FEB 0720	89	0.00	0.00	0.00	0.	*	4 FEB 1950	239	0.00	0.00	0.00	0.
4 FEB 0725	90	0.00	0.00	0.00	0.	*	4 FEB 1955	240	0.00	0.00	0.00	0.
4 FEB 0730	91	0.00	0.00	0.00	0.	*	4 FEB 2000	241	0.00	0.00	0.00	0.
4 FEB 0735	92	0.00	0.00	0.00	0.	*	4 FEB 2005	242	0.00	0.00	0.00	0.
4 FEB 0740	93	0.00	0.00	0.00	0.	*	4 FEB 2010	243	0.00	0.00	0.00	0.
4 FEB 0745	94	0.00	0.00	0.00	0.	*	4 FEB 2015	244	0.00	0.00	0.00	0.
4 FEB 0750	95	0.00	0.00	0.00	0.	*	4 FEB 2020	245	0.00	0.00	0.00	0.
4 FEB 0755	96	0.00	0.00	0.00	0.	*	4 FEB 2025	246	0.00	0.00	0.00	0.
4 FEB 0800	97	0.00	0.00	0.00	0.	*	4 FEB 2030	247	0.00	0.00	0.00	0.
4 FEB 0805	98	0.00	0.00	0.00	0.	*	4 FEB 2035	248	0.00	0.00	0.00	0.
4 FEB 0810	99	0.00	0.00	0.00	0.	*	4 FEB 2040	249	0.00	0.00	0.00	0.
4 FEB 0815	100	0.00	0.00	0.00	0.	*	4 FEB 2045	250	0.00	0.00	0.00	0.
4 FEB 0820	101	0.00	0.00	0.00	0.	*	4 FEB 2050	251	0.00	0.00	0.00	0.
4 FEB 0825	102	0.00	0.00	0.00	0.	*	4 FEB 2055	252	0.00	0.00	0.00	0.
4 FEB 0830	103	0.00	0.00	0.00	0.	*	4 FEB 2100	253	0.00	0.00	0.00	0.
4 FEB 0835	104	0.00	0.00	0.00	0.	*	4 FEB 2105	254	0.00	0.00	0.00	0.
4 FEB 0840	105	0.00	0.00	0.00	0.	*	4 FEB 2110	255	0.00	0.00	0.00	0.
4 FEB 0845	106	0.00	0.00	0.00	0.	*	4 FEB 2115	256	0.00	0.00	0.00	0.
4 FEB 0850	107	0.00	0.00	0.00	0.	*	4 FEB 2120	257	0.00	0.00	0.00	0.
4 FEB 0855	108	0.00	0.00	0.00	0.	*	4 FEB 2125	258	0.00	0.00	0.00	0.
4 FEB 0900	109	0.00	0.00	0.00	0.	*	4 FEB 2130	259	0.00	0.00	0.00	0.
4 FEB 0905	110	0.00	0.00	0.00	0.	*	4 FEB 2135	260	0.00	0.00	0.00	0.
4 FEB 0910	111	0.00	0.00	0.00	0.	*	4 FEB 2140	261	0.00	0.00	0.00	0.
4 FEB 0915	112	0.00	0.00	0.00	0.	*	4 FEB 2145	262	0.00	0.00	0.00	0.
4 FEB 0920	113	0.00	0.00	0.00	0.	*	4 FEB 2150	263	0.00	0.00	0.00	0.
4 FEB 0925	114	0.00	0.00	0.00	0.	*	4 FEB 2155	264	0.00	0.00	0.00	0.
4 FEB 0930	115	0.00	0.00	0.00	0.	*	4 FEB 2200	265	0.00	0.00	0.00	0.
4 FEB 0935	116	0.00	0.00	0.00	0.	*	4 FEB 2205	266	0.00	0.00	0.00	0.
4 FEB 0940	117	0.00	0.00	0.00	0.	*	4 FEB 2210	267	0.00	0.00	0.00	0.
4 FEB 0945	118	0.00	0.00	0.00	0.	*	4 FEB 2215	268	0.00	0.00	0.00	0.
4 FEB 0950	119	0.00	0.00	0.00	0.	*	4 FEB 2220	269	0.00	0.00	0.00	0.
4 FEB 0955	120	0.00	0.00	0.00	0.	*	4 FEB 2225	270	0.00	0.00	0.00	0.
4 FEB 1000	121	0.00	0.00	0.00	0.	*	4 FEB 2230	271	0.00	0.00	0.00	0.
4 FEB 1005	122	0.00	0.00	0.00	0.	*	4 FEB 2235	272	0.00	0.00	0.00	0.
4 FEB 1010	123	0.00	0.00	0.00	0.	*	4 FEB 2240	273	0.00	0.00	0.00	0.
4 FEB 1015	124	0.00	0.00	0.00	0.	*	4 FEB 2245	274	0.00	0.00	0.00	0.
4 FEB 1020	125	0.00	0.00	0.00	0.	*	4 FEB 2250	275	0.00	0.00	0.00	0.
4 FEB 1025	126	0.00	0.00	0.00	0.	*	4 FEB 2255	276	0.00	0.00	0.00	0.
4 FEB 1030	127	0.00	0.00	0.00	0.	*	4 FEB 2300	277	0.00	0.00	0.00	0.
4 FEB 1035	128	0.00	0.00	0.00	0.	*	4 FEB 2305	278	0.00	0.00	0.00	0.
4 FEB 1040	129	0.00	0.00	0.00	0.	*	4 FEB 2310	279	0.00	0.00	0.00	0.
4 FEB 1045	130	0.00	0.00	0.00	0.	*	4 FEB 2315	280	0.00	0.00	0.00	0.
4 FEB 1050	131	0.00	0.00	0.00	0.	*	4 FEB 2320	281	0.00	0.00	0.00	0.
4 FEB 1055	132	0.00	0.00	0.00	0.	*	4 FEB 2325	282	0.00	0.00	0.00	0.
4 FEB 1100	133	0.00	0.00	0.00	0.	*	4 FEB 2330	283	0.00	0.00	0.00	0.
4 FEB 1105	134	0.00	0.00	0.00	0.	*	4 FEB 2335	284	0.00	0.00	0.00	0.
4 FEB 1110	135	0.00	0.00	0.00	0.	*	4 FEB 2340	285	0.00	0.00	0.00	0.
4 FEB 1115	136	0.00	0.00	0.00	0.	*	4 FEB 2345	286	0.00	0.00	0.00	0.
4 FEB 1120	137	0.00	0.00	0.00	0.	*	4 FEB 2350	287	0.00	0.00	0.00	0.
4 FEB 1125	138	0.00	0.00	0.00	0.	*	4 FEB 2355	288	0.00	0.00	0.00	0.
4 FEB 1130	139	0.00	0.00	0.00	0.	*	5 FEB 0000	289	0.00	0.00	0.00	0.
4 FEB 1135	140	0.00	0.00	0.00	0.	*	5 FEB 0005	290	0.00	0.00	0.00	0.
4 FEB 1140	141	0.00	0.00	0.00	0.	*	5 FEB 0010	291	0.00	0.00	0.00	0.
4 FEB 1145	142	0.00	0.00	0.00	0.	*	5 FEB 0015	292	0.00	0.00	0.00	0.
4 FEB 1150	143	0.00	0.00	0.00	0.	*	5 FEB 0020	293	0.00	0.00	0.00	0.
4 FEB 1155	144	0.00	0.00	0.00	0.	*	5 FEB 0025	294	0.00	0.00	0.00	0.
4 FEB 1200	145	0.00	0.00	0.00	0.	*	5 FEB 0030	295	0.00	0.00	0.00	0.
4 FEB 1205	146	0.00	0.00	0.00	0.	*	5 FEB 0035	296	0.00	0.00	0.00	0.
4 FEB 1210	147	0.00	0.00	0.00	0.	*	5 FEB 0040	297	0.00	0.00	0.00	0.
4 FEB 1215	148	0.00	0.00	0.00	0.	*	5 FEB 0045	298	0.00	0.00	0.00	0.

4	FEB	1220	149	0.00	0.00	0.00	0.	*	5	FEB	0050	299	0.00	0.00	0.00	0.
4	FEB	1225	150	0.00	0.00	0.00	0.	*	5	FEB	0055	300	0.00	0.00	0.00	0.
								*								

****

TOTAL RAINFALL = 5.94, TOTAL LOSS = 0.24, TOTAL EXCESS = 5.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)					
		(CFS)				
22.	3.17		3.	1.	1.	1.
		(INCHES)	5.697	5.702	5.702	5.702
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = 0.01 SQ MI

1

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									
	MAIN	22.	3.17	3.	1.	1.	0.01		

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

100-yr Detention Routing , one 6" PVC pipe

n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	2	2.9372	4.9372	0.5
4	25	0.42	1.0	2	3.7937	5.7937	0.6
5	30	0.50	1.0	2	4.6061	6.6061	0.6
6	35	0.58	1.0	2	5.3964	7.3964	0.6
7	40	0.67	1.0	2	6.1650	8.1650	0.6
8	45	0.75	1.0	2	6.9127	8.9127	0.6
9	50	0.83	1.0	2	7.6401	9.6401	0.6
10	55	0.92	1.0	2	8.3475	10.3475	0.6
11	60	1.00	1.0	2	9.0357	11.0357	0.7
12	65	1.08	1.0	2	9.7051	11.7051	0.7
13	70	1.17	1.0	2	10.3563	12.3563	0.7
14	75	1.25	1.0	3	10.9926	13.9926	0.7
15	80	1.33	2.0	4	12.6045	16.6045	0.7
16	85	1.42	2.0	4	15.1774	19.1774	0.7
17	90	1.50	2.0	4	17.7119	21.7119	0.7
18	95	1.58	2.0	5	20.2085	25.2085	0.8
19	100	1.67	3.0	6	23.3496	29.3496	0.9
20	105	1.75	3.0	6	26.9029	32.9029	1.2
21	110	1.83	3.0	7	29.9519	36.9519	1.5
22	115	1.92	4.0	9	33.4262	42.4262	1.8
23	120	2.00	5.0	11	38.0293	49.0293	2.2
24	125	2.08	6.0	14	43.4519	57.4519	2.8
25	130	2.17	8.0	20	50.3687	70.3687	3.5
26	135	2.25	12.0	29	61.0216	90.0216	4.7
27	140	2.33	17.0	39	77.3017	116.3017	6.4
28	145	2.42	22.0	43	99.3171	142.3171	8.5
29	150	2.50	21.0	37	121.2596	158.2596	10.5
30	155	2.58	16.0	28	134.8868	162.8868	11.7
31	160	2.67	12.0	21	138.8421	159.8421	12.0
32	165	2.75	9.0	16	136.2395	152.2395	11.8
33	170	2.83	7.0	13	129.7410	142.7410	11.2
34	175	2.92	6.0	10	121.6219	131.6219	10.6
35	180	3.00	4.0	8	112.1952	120.1952	9.7
36	185	3.08	4.0	7	102.5900	109.5900	8.8
37	190	3.17	3.0	6	93.6754	99.6754	8.0
38	195	3.25	3.0	6	85.3412	91.3412	7.2
39	200	3.33	3.0	5	78.3948	83.3948	6.5
40	205	3.42	2.0	4	71.8122	75.8122	5.8
41	210	3.50	2.0	4	65.5309	69.5309	5.1
42	215	3.58	2.0	4	60.3275	64.3275	4.6
43	220	3.67	2.0	2	56.0171	58.0171	4.2
44	225	3.75	0.0	1	50.8329	51.8329	3.6
45	230	3.83	1.0	2	45.7542	47.7542	3.0
46	235	3.92	1.0	2	42.4048	44.4048	2.7
47	240	4.00	1.0	2	39.6542	41.6542	2.4
48	245	4.08	1.0	2	37.3953	39.3953	2.1
49	250	4.17	1.0	2	35.5228	37.5228	1.9
50	255	4.25	1.0	2	33.9161	35.9161	1.8

Davis Moore ~~1.87~~ acre D.A.

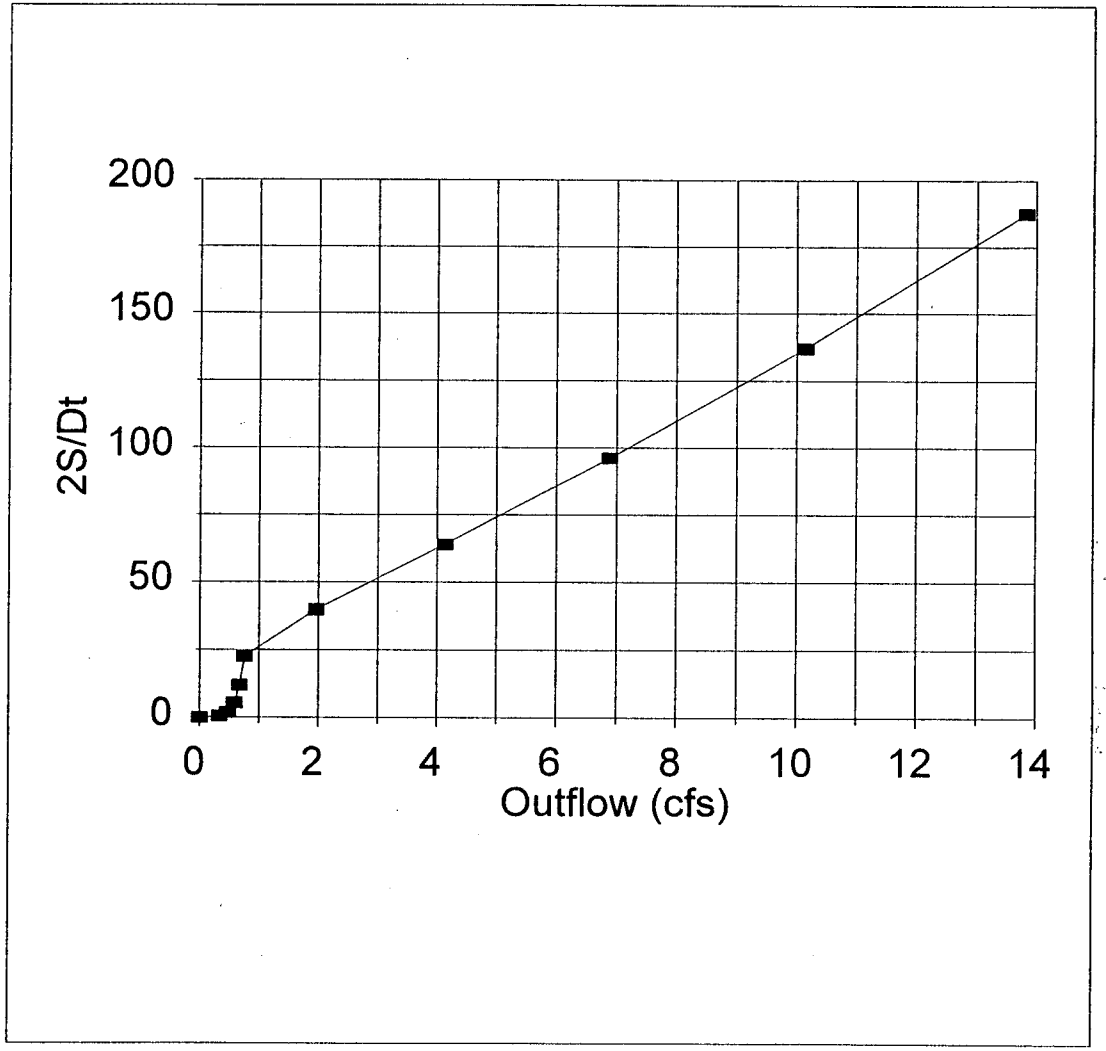
100-yr Detention Routing , one 6" PVC pipe

51	260	4.33	1.0	2	32.5374	34.5374	1.7
52	265	4.42	1.0	2	31.3544	33.3544	1.6
53	270	4.50	1.0	2	30.3393	32.3393	1.5
54	275	4.58	1.0	2	29.4683	31.4683	1.4
55	280	4.67	1.0	2	28.7209	30.7209	1.4
56	285	4.75	1.0	2	28.0796	30.0796	1.3
57	290	4.83	1.0	2	27.5293	29.5293	1.3
58	295	4.92	1.0	2	27.0571	29.0571	1.2
59	300	5.00	1.0	2	26.6520	28.6520	1.2
60	305	5.08	1.0	2	26.3043	28.3043	1.2
61	310	5.17	1.0	2	26.0060	28.0060	1.1
62	315	5.25	1.0	2	25.7501	27.7501	1.1
63	320	5.33	1.0	2	25.5304	27.5304	1.1
64	325	5.42	1.0	1	25.3420	26.3420	1.1
65	330	5.50	0.0	0	24.3222	24.3222	1.0
66	335	5.58	0.0	0	22.5891	22.5891	0.9
67	340	5.67	0.0	0	21.0725	21.0725	0.8
68	345	5.75	0.0	0	19.5787	19.5787	0.7
69	350	5.83	0.0	0	18.1071	18.1071	0.7
70	355	5.92	0.0	0	16.6576	16.6576	0.7
71	360	6.00	0.0	0	15.2297	15.2297	0.7
72	365	6.08	0.0	0	13.8231	13.8231	0.7
73	370	6.17	0.0	0	12.4375	12.4375	0.7
74	375	6.25	0.0	0	11.0727	11.0727	0.7
75	380	6.33	0.0	0	9.7411	9.7411	0.7
76	385	6.42	0.0	0	8.4458	8.4458	0.6
77	390	6.50	0.0	0	7.1859	7.1859	0.6
78	395	6.58	0.0	0	5.9603	5.9603	0.6
79	400	6.67	0.0	0	4.7681	4.7681	0.6
80	405	6.75	0.0	0	3.6353	3.6353	0.6
81	410	6.83	0.0	0	2.5742	2.5742	0.5
82	415	6.92	0.0	0	1.5801	1.5801	0.5
83	420	7.00	0.0	0	0.7088	0.7088	0.4
84	425	7.08	0.0	0	0.0075	0.0075	0.4
85	430	7.17	0.0	0	-0.0010	-0.0010	0.0
86	435	7.25	0.0	0	-0.0010	-0.0010	0.0
87	440	7.33	0.0	0	-0.0010	-0.0010	0.0
88	445	7.42	0.0	0	-0.0010	-0.0010	0.0
89	450	7.50	0.0	0	-0.0010	-0.0010	0.0
90	455	7.58	0.0	0	-0.0010	-0.0010	0.0
91	460	7.67	0.0	0	-0.0010	-0.0010	0.0
92	465	7.75	0.0	0	-0.0010	-0.0010	0.0
93	470	7.83	0.0	0	-0.0010	-0.0010	0.0
94	475	7.92	0.0	0	-0.0010	-0.0010	0.0

Davis Moore ~~1.07~~ acre D.A.

Detention Routing , one 6" PVC pipe

Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



Davis Moore 3.24 acre D.A.

Davis Moore Facility, 5-yr Storm, Area #4, D.A. = 3.24 acres

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  14:15:03   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```

```
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

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

  1           ID  DAVIS MOORE FACILITY
  2           IT       5 04FEB99       0     300
  3           IO       0       0
              *
  4           KK    MAIN
  5           BA   .0051
              *      0       0    0.86  1.8425    3.73     4.6    5.04    5.94
              *     10       0  0.6175   1.305    2.53     3.1    3.39    4.02
  6           PH     20       0   0.544    1.14    2.15    2.66    2.91    3.42
              *     50       0   0.464  0.9575    1.69    7.98    2.16    2.52
  7           UD   0.15
  8           LS      0      98
              *
  9           ZZ
```


```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             MAY   1991                *
*          VERSION 4.0.1E               *
*     Lahey F77L-EM/32 version 5.01     *
*       Dodson & Associates, Inc.       *
*  RUN DATE  02/04/99  TIME  14:15:03   *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 551-1748              *
*                                       *
*****************************************
```


DAVIS MOORE FACILITY

```
3 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      4FEB99  STARTING DATE
```

ITIME	0000	STARTING TIME
NQ	300	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5FEB99	ENDING DATE
NDTIME	0055	ENDING TIME
ICENT	19	CENTURY MARK

COMPUTATION INTERVAL 0.08 HOURS
TOTAL TIME BASE 24.92 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

*** ***

4 KK

****
* *
* MAIN *
* *
****

SUBBASIN RUNOFF DATA

5 BA SUBBASIN CHARACTERISTICS

TAREA	0.01	SUBBASIN AREA

PRECIPITATION DATA

6 PH

DEPTHS FOR 20-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.54	1.14	2.15	2.66	2.91	3.42	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.01

8 LS SCS LOSS RATE

STRTL	0.04	INITIAL ABSTRACTION
CRVNBR	98.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

7 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.15	LAG

***

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

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES

5. 13. 11. 6. 3. 1. 1. 0. 0. 0.
0.

HYDROGRAPH AT STATION MAIN

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
4	FEB	0000	1	0.00	0.00	0.00	0.	4	FEB	1230	151	0.00	0.00	0.00	0.
4	FEB	0005	2	0.01	0.01	0.00	0.	4	FEB	1235	152	0.00	0.00	0.00	0.
4	FEB	0010	3	0.01	0.01	0.00	0.	4	FEB	1240	153	0.00	0.00	0.00	0.
4	FEB	0015	4	0.01	0.01	0.00	0.	4	FEB	1245	154	0.00	0.00	0.00	0.
4	FEB	0020	5	0.01	0.01	0.00	0.	4	FEB	1250	155	0.00	0.00	0.00	0.
4	FEB	0025	6	0.01	0.01	0.00	0.	4	FEB	1255	156	0.00	0.00	0.00	0.
4	FEB	0030	7	0.01	0.01	0.00	0.	4	FEB	1300	157	0.00	0.00	0.00	0.
4	FEB	0035	8	0.01	0.01	0.00	0.	4	FEB	1305	158	0.00	0.00	0.00	0.
4	FEB	0040	9	0.01	0.01	0.00	0.	4	FEB	1310	159	0.00	0.00	0.00	0.
4	FEB	0045	10	0.01	0.01	0.01	0.	4	FEB	1315	160	0.00	0.00	0.00	0.
4	FEB	0050	11	0.01	0.01	0.01	0.	4	FEB	1320	161	0.00	0.00	0.00	0.
4	FEB	0055	12	0.01	0.01	0.01	0.	4	FEB	1325	162	0.00	0.00	0.00	0.
4	FEB	0100	13	0.01	0.01	0.01	0.	4	FEB	1330	163	0.00	0.00	0.00	0.
4	FEB	0105	14	0.01	0.01	0.01	0.	4	FEB	1335	164	0.00	0.00	0.00	0.
4	FEB	0110	15	0.02	0.01	0.01	0.	4	FEB	1340	165	0.00	0.00	0.00	0.
4	FEB	0115	16	0.02	0.01	0.01	0.	4	FEB	1345	166	0.00	0.00	0.00	0.
4	FEB	0120	17	0.02	0.01	0.01	0.	4	FEB	1350	167	0.00	0.00	0.00	0.
4	FEB	0125	18	0.02	0.00	0.01	0.	4	FEB	1355	168	0.00	0.00	0.00	0.
4	FEB	0130	19	0.02	0.00	0.01	0.	4	FEB	1400	169	0.00	0.00	0.00	0.
4	FEB	0135	20	0.02	0.00	0.01	0.	4	FEB	1405	170	0.00	0.00	0.00	0.
4	FEB	0140	21	0.02	0.00	0.01	0.	4	FEB	1410	171	0.00	0.00	0.00	0.
4	FEB	0145	22	0.02	0.00	0.02	1.	4	FEB	1415	172	0.00	0.00	0.00	0.
4	FEB	0150	23	0.02	0.00	0.02	1.	4	FEB	1420	173	0.00	0.00	0.00	0.
4	FEB	0155	24	0.02	0.00	0.02	1.	4	FEB	1425	174	0.00	0.00	0.00	0.
4	FEB	0200	25	0.02	0.00	0.02	1.	4	FEB	1430	175	0.00	0.00	0.00	0.
4	FEB	0205	26	0.03	0.00	0.03	1.	4	FEB	1435	176	0.00	0.00	0.00	0.
4	FEB	0210	27	0.04	0.00	0.03	1.	4	FEB	1440	177	0.00	0.00	0.00	0.
4	FEB	0215	28	0.04	0.00	0.03	1.	4	FEB	1445	178	0.00	0.00	0.00	0.
4	FEB	0220	29	0.04	0.00	0.04	1.	4	FEB	1450	179	0.00	0.00	0.00	0.
4	FEB	0225	30	0.04	0.00	0.04	1.	4	FEB	1455	180	0.00	0.00	0.00	0.
4	FEB	0230	31	0.05	0.00	0.04	1.	4	FEB	1500	181	0.00	0.00	0.00	0.
4	FEB	0235	32	0.07	0.00	0.07	2.	4	FEB	1505	182	0.00	0.00	0.00	0.
4	FEB	0240	33	0.08	0.00	0.07	2.	4	FEB	1510	183	0.00	0.00	0.00	0.
4	FEB	0245	34	0.09	0.00	0.09	3.	4	FEB	1515	184	0.00	0.00	0.00	0.
4	FEB	0250	35	0.14	0.01	0.14	3.	4	FEB	1520	185	0.00	0.00	0.00	0.
4	FEB	0255	36	0.18	0.00	0.17	4.	4	FEB	1525	186	0.00	0.00	0.00	0.
4	FEB	0300	37	0.34	0.01	0.33	6.	4	FEB	1530	187	0.00	0.00	0.00	0.
4	FEB	0305	38	0.52	0.01	0.52	10.	4	FEB	1535	188	0.00	0.00	0.00	0.
4	FEB	0310	39	0.23	0.00	0.23	13.	4	FEB	1540	189	0.00	0.00	0.00	0.
4	FEB	0315	40	0.16	0.00	0.16	12.	4	FEB	1545	190	0.00	0.00	0.00	0.
4	FEB	0320	41	0.10	0.00	0.10	9.	4	FEB	1550	191	0.00	0.00	0.00	0.
4	FEB	0325	42	0.08	0.00	0.08	7.	4	FEB	1555	192	0.00	0.00	0.00	0.
4	FEB	0330	43	0.07	0.00	0.07	5.	4	FEB	1600	193	0.00	0.00	0.00	0.
4	FEB	0335	44	0.05	0.00	0.05	4.	4	FEB	1605	194	0.00	0.00	0.00	0.
4	FEB	0340	45	0.05	0.00	0.05	3.	4	FEB	1610	195	0.00	0.00	0.00	0.
4	FEB	0345	46	0.04	0.00	0.04	2.	4	FEB	1615	196	0.00	0.00	0.00	0.
4	FEB	0350	47	0.04	0.00	0.04	2.	4	FEB	1620	197	0.00	0.00	0.00	0.
4	FEB	0355	48	0.04	0.00	0.04	2.	4	FEB	1625	198	0.00	0.00	0.00	0.
4	FEB	0400	49	0.03	0.00	0.03	2.	4	FEB	1630	199	0.00	0.00	0.00	0.
4	FEB	0405	50	0.02	0.00	0.02	1.	4	FEB	1635	200	0.00	0.00	0.00	0.
4	FEB	0410	51	0.02	0.00	0.02	1.	4	FEB	1640	201	0.00	0.00	0.00	0.
4	FEB	0415	52	0.02	0.00	0.02	1.	4	FEB	1645	202	0.00	0.00	0.00	0.
4	FEB	0420	53	0.02	0.00	0.02	1.	4	FEB	1650	203	0.00	0.00	0.00	0.
4	FEB	0425	54	0.02	0.00	0.02	1.	4	FEB	1655	204	0.00	0.00	0.00	0.
4	FEB	0430	55	0.02	0.00	0.02	1.	4	FEB	1700	205	0.00	0.00	0.00	0.
4	FEB	0435	56	0.02	0.00	0.02	1.	4	FEB	1705	206	0.00	0.00	0.00	0.
4	FEB	0440	57	0.02	0.00	0.02	1.	4	FEB	1710	207	0.00	0.00	0.00	0.
4	FEB	0445	58	0.02	0.00	0.02	1.	4	FEB	1715	208	0.00	0.00	0.00	0.
4	FEB	0450	59	0.02	0.00	0.02	1.	4	FEB	1720	209	0.00	0.00	0.00	0.
4	FEB	0455	60	0.02	0.00	0.02	1.	4	FEB	1725	210	0.00	0.00	0.00	0.
4	FEB	0500	61	0.01	0.00	0.01	1.	4	FEB	1730	211	0.00	0.00	0.00	0.
4	FEB	0505	62	0.01	0.00	0.01	1.	4	FEB	1735	212	0.00	0.00	0.00	0.
4	FEB	0510	63	0.01	0.00	0.01	1.	4	FEB	1740	213	0.00	0.00	0.00	0.
4	FEB	0515	64	0.01	0.00	0.01	1.	4	FEB	1745	214	0.00	0.00	0.00	0.
4	FEB	0520	65	0.01	0.00	0.01	1.	4	FEB	1750	215	0.00	0.00	0.00	0.
4	FEB	0525	66	0.01	0.00	0.01	1.	4	FEB	1755	216	0.00	0.00	0.00	0.
4	FEB	0530	67	0.01	0.00	0.01	1.	4	FEB	1800	217	0.00	0.00	0.00	0.
4	FEB	0535	68	0.01	0.00	0.01	1.	4	FEB	1805	218	0.00	0.00	0.00	0.
4	FEB	0540	69	0.01	0.00	0.01	0.	4	FEB	1810	219	0.00	0.00	0.00	0.
4	FEB	0545	70	0.01	0.00	0.01	0.	4	FEB	1815	220	0.00	0.00	0.00	0.

4	FEB	0550	71	0.01	0.00	0.01	0.	*	4	FEB	1820	221	0.00	0.00	0.00	0.
4	FEB	0555	72	0.01	0.00	0.01	0.	*	4	FEB	1825	222	0.00	0.00	0.00	0.
4	FEB	0600	73	0.01	0.00	0.01	0.	*	4	FEB	1830	223	0.00	0.00	0.00	0.
4	FEB	0605	74	0.00	0.00	0.00	0.	*	4	FEB	1835	224	0.00	0.00	0.00	0.
4	FEB	0610	75	0.00	0.00	0.00	0.	*	4	FEB	1840	225	0.00	0.00	0.00	0.
4	FEB	0615	76	0.00	0.00	0.00	0.	*	4	FEB	1845	226	0.00	0.00	0.00	0.
4	FEB	0620	77	0.00	0.00	0.00	0.	*	4	FEB	1850	227	0.00	0.00	0.00	0.
4	FEB	0625	78	0.00	0.00	0.00	0.	*	4	FEB	1855	228	0.00	0.00	0.00	0.
4	FEB	0630	79	0.00	0.00	0.00	0.	*	4	FEB	1900	229	0.00	0.00	0.00	0.
4	FEB	0635	80	0.00	0.00	0.00	0.	*	4	FEB	1905	230	0.00	0.00	0.00	0.
4	FEB	0640	81	0.00	0.00	0.00	0.	*	4	FEB	1910	231	0.00	0.00	0.00	0.
4	FEB	0645	82	0.00	0.00	0.00	0.	*	4	FEB	1915	232	0.00	0.00	0.00	0.
4	FEB	0650	83	0.00	0.00	0.00	0.	*	4	FEB	1920	233	0.00	0.00	0.00	0.
4	FEB	0655	84	0.00	0.00	0.00	0.	*	4	FEB	1925	234	0.00	0.00	0.00	0.
4	FEB	0700	85	0.00	0.00	0.00	0.	*	4	FEB	1930	235	0.00	0.00	0.00	0.
4	FEB	0705	86	0.00	0.00	0.00	0.	*	4	FEB	1935	236	0.00	0.00	0.00	0.
4	FEB	0710	87	0.00	0.00	0.00	0.	*	4	FEB	1940	237	0.00	0.00	0.00	0.
4	FEB	0715	88	0.00	0.00	0.00	0.	*	4	FEB	1945	238	0.00	0.00	0.00	0.
4	FEB	0720	89	0.00	0.00	0.00	0.	*	4	FEB	1950	239	0.00	0.00	0.00	0.
4	FEB	0725	90	0.00	0.00	0.00	0.	*	4	FEB	1955	240	0.00	0.00	0.00	0.
4	FEB	0730	91	0.00	0.00	0.00	0.	*	4	FEB	2000	241	0.00	0.00	0.00	0.
4	FEB	0735	92	0.00	0.00	0.00	0.	*	4	FEB	2005	242	0.00	0.00	0.00	0.
4	FEB	0740	93	0.00	0.00	0.00	0.	*	4	FEB	2010	243	0.00	0.00	0.00	0.
4	FEB	0745	94	0.00	0.00	0.00	0.	*	4	FEB	2015	244	0.00	0.00	0.00	0.
4	FEB	0750	95	0.00	0.00	0.00	0.	*	4	FEB	2020	245	0.00	0.00	0.00	0.
4	FEB	0755	96	0.00	0.00	0.00	0.	*	4	FEB	2025	246	0.00	0.00	0.00	0.
4	FEB	0800	97	0.00	0.00	0.00	0.	*	4	FEB	2030	247	0.00	0.00	0.00	0.
4	FEB	0805	98	0.00	0.00	0.00	0.	*	4	FEB	2035	248	0.00	0.00	0.00	0.
4	FEB	0810	99	0.00	0.00	0.00	0.	*	4	FEB	2040	249	0.00	0.00	0.00	0.
4	FEB	0815	100	0.00	0.00	0.00	0.	*	4	FEB	2045	250	0.00	0.00	0.00	0.
4	FEB	0820	101	0.00	0.00	0.00	0.	*	4	FEB	2050	251	0.00	0.00	0.00	0.
4	FEB	0825	102	0.00	0.00	0.00	0.	*	4	FEB	2055	252	0.00	0.00	0.00	0.
4	FEB	0830	103	0.00	0.00	0.00	0.	*	4	FEB	2100	253	0.00	0.00	0.00	0.
4	FEB	0835	104	0.00	0.00	0.00	0.	*	4	FEB	2105	254	0.00	0.00	0.00	0.
4	FEB	0840	105	0.00	0.00	0.00	0.	*	4	FEB	2110	255	0.00	0.00	0.00	0.
4	FEB	0845	106	0.00	0.00	0.00	0.	*	4	FEB	2115	256	0.00	0.00	0.00	0.
4	FEB	0850	107	0.00	0.00	0.00	0.	*	4	FEB	2120	257	0.00	0.00	0.00	0.
4	FEB	0855	108	0.00	0.00	0.00	0.	*	4	FEB	2125	258	0.00	0.00	0.00	0.
4	FEB	0900	109	0.00	0.00	0.00	0.	*	4	FEB	2130	259	0.00	0.00	0.00	0.
4	FEB	0905	110	0.00	0.00	0.00	0.	*	4	FEB	2135	260	0.00	0.00	0.00	0.
4	FEB	0910	111	0.00	0.00	0.00	0.	*	4	FEB	2140	261	0.00	0.00	0.00	0.
4	FEB	0915	112	0.00	0.00	0.00	0.	*	4	FEB	2145	262	0.00	0.00	0.00	0.
4	FEB	0920	113	0.00	0.00	0.00	0.	*	4	FEB	2150	263	0.00	0.00	0.00	0.
4	FEB	0925	114	0.00	0.00	0.00	0.	*	4	FEB	2155	264	0.00	0.00	0.00	0.
4	FEB	0930	115	0.00	0.00	0.00	0.	*	4	FEB	2200	265	0.00	0.00	0.00	0.
4	FEB	0935	116	0.00	0.00	0.00	0.	*	4	FEB	2205	266	0.00	0.00	0.00	0.
4	FEB	0940	117	0.00	0.00	0.00	0.	*	4	FEB	2210	267	0.00	0.00	0.00	0.
4	FEB	0945	118	0.00	0.00	0.00	0.	*	4	FEB	2215	268	0.00	0.00	0.00	0.
4	FEB	0950	119	0.00	0.00	0.00	0.	*	4	FEB	2220	269	0.00	0.00	0.00	0.
4	FEB	0955	120	0.00	0.00	0.00	0.	*	4	FEB	2225	270	0.00	0.00	0.00	0.
4	FEB	1000	121	0.00	0.00	0.00	0.	*	4	FEB	2230	271	0.00	0.00	0.00	0.
4	FEB	1005	122	0.00	0.00	0.00	0.	*	4	FEB	2235	272	0.00	0.00	0.00	0.
4	FEB	1010	123	0.00	0.00	0.00	0.	*	4	FEB	2240	273	0.00	0.00	0.00	0.
4	FEB	1015	124	0.00	0.00	0.00	0.	*	4	FEB	2245	274	0.00	0.00	0.00	0.
4	FEB	1020	125	0.00	0.00	0.00	0.	*	4	FEB	2250	275	0.00	0.00	0.00	0.
4	FEB	1025	126	0.00	0.00	0.00	0.	*	4	FEB	2255	276	0.00	0.00	0.00	0.
4	FEB	1030	127	0.00	0.00	0.00	0.	*	4	FEB	2300	277	0.00	0.00	0.00	0.
4	FEB	1035	128	0.00	0.00	0.00	0.	*	4	FEB	2305	278	0.00	0.00	0.00	0.
4	FEB	1040	129	0.00	0.00	0.00	0.	*	4	FEB	2310	279	0.00	0.00	0.00	0.
4	FEB	1045	130	0.00	0.00	0.00	0.	*	4	FEB	2315	280	0.00	0.00	0.00	0.
4	FEB	1050	131	0.00	0.00	0.00	0.	*	4	FEB	2320	281	0.00	0.00	0.00	0.
4	FEB	1055	132	0.00	0.00	0.00	0.	*	4	FEB	2325	282	0.00	0.00	0.00	0.
4	FEB	1100	133	0.00	0.00	0.00	0.	*	4	FEB	2330	283	0.00	0.00	0.00	0.
4	FEB	1105	134	0.00	0.00	0.00	0.	*	4	FEB	2335	284	0.00	0.00	0.00	0.
4	FEB	1110	135	0.00	0.00	0.00	0.	*	4	FEB	2340	285	0.00	0.00	0.00	0.
4	FEB	1115	136	0.00	0.00	0.00	0.	*	4	FEB	2345	286	0.00	0.00	0.00	0.
4	FEB	1120	137	0.00	0.00	0.00	0.	*	4	FEB	2350	287	0.00	0.00	0.00	0.
4	FEB	1125	138	0.00	0.00	0.00	0.	*	4	FEB	2355	288	0.00	0.00	0.00	0.
4	FEB	1130	139	0.00	0.00	0.00	0.	*	5	FEB	0000	289	0.00	0.00	0.00	0.
4	FEB	1135	140	0.00	0.00	0.00	0.	*	5	FEB	0005	290	0.00	0.00	0.00	0.
4	FEB	1140	141	0.00	0.00	0.00	0.	*	5	FEB	0010	291	0.00	0.00	0.00	0.
4	FEB	1145	142	0.00	0.00	0.00	0.	*	5	FEB	0015	292	0.00	0.00	0.00	0.
4	FEB	1150	143	0.00	0.00	0.00	0.	*	5	FEB	0020	293	0.00	0.00	0.00	0.
4	FEB	1155	144	0.00	0.00	0.00	0.	*	5	FEB	0025	294	0.00	0.00	0.00	0.
4	FEB	1200	145	0.00	0.00	0.00	0.	*	5	FEB	0030	295	0.00	0.00	0.00	0.
4	FEB	1205	146	0.00	0.00	0.00	0.	*	5	FEB	0035	296	0.00	0.00	0.00	0.
4	FEB	1210	147	0.00	0.00	0.00	0.	*	5	FEB	0040	297	0.00	0.00	0.00	0.
4	FEB	1215	148	0.00	0.00	0.00	0.	*	5	FEB	0045	298	0.00	0.00	0.00	0.

	4 FEB	1220	149	0.00	0.00	0.00	0.	*	5 FEB	0050	299	0.00	0.00	0.00	0.
	4 FEB	1225	150	0.00	0.00	0.00	0.	*	5 FEB	0055	300	0.00	0.00	0.00	0.
								*							

****

TOTAL RAINFALL = 3.28, TOTAL LOSS = 0.23, TOTAL EXCESS = 3.05

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
(CFS)	(HR)					
		(CFS)				
13.	3.17		2.	0.	0.	0.
		(INCHES)	3.049	3.050	3.050	3.050
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = 0.01 SQ MI

1

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									
	MAIN	13.	3.17	2.	0.	0.	0.01		

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

5-yr Detention Routing , one 6" PVC pipe

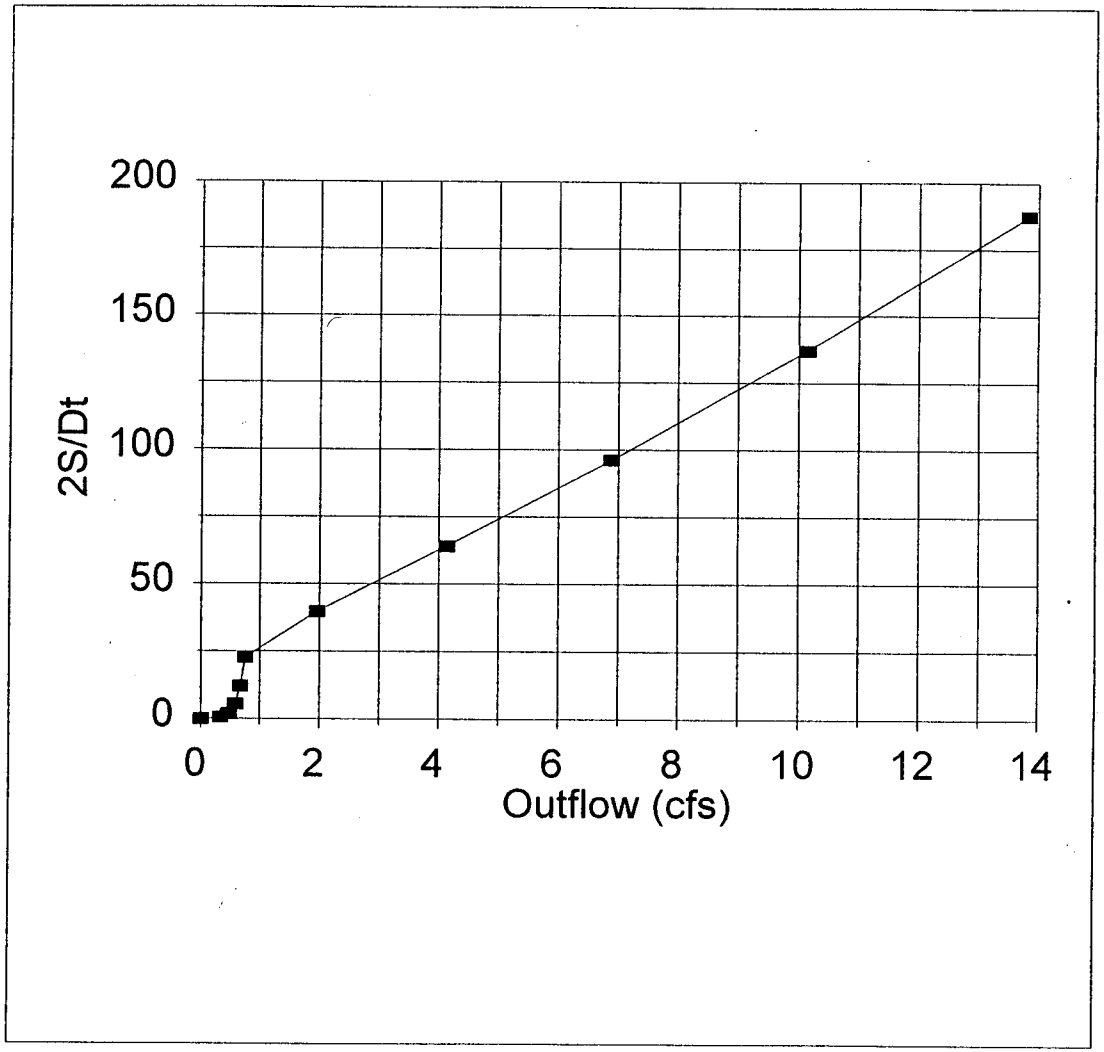
n	Time min	Time hr	Ii cfs	Ii+Ii+1	2Si/Dt-Oi	2Si+1/Dt-Oi+1	Oi cfs
0	5	0.08	1.0	2	0.0000	2.0000	0.0
1	10	0.17	1.0	2	1.0469	3.0469	0.5
2	15	0.25	1.0	2	2.0229	4.0229	0.5
3	20	0.33	1.0	2	2.9372	4.9372	0.5
4	25	0.42	1.0	2	3.7937	5.7937	0.6
5	30	0.50	1.0	2	4.6061	6.6061	0.6
6	35	0.58	1.0	2	5.3964	7.3964	0.6
7	40	0.67	1.0	2	6.1650	8.1650	0.6
8	45	0.75	1.0	2	6.9127	8.9127	0.6
9	50	0.83	1.0	3	7.6401	10.6401	0.6
10	55	0.92	2.0	4	9.3203	13.3203	0.7
11	60	1.00	2.0	5	11.9422	16.9422	0.7
12	65	1.08	3.0	6	15.5101	21.5101	0.7
13	70	1.17	3.0	7	20.0097	27.0097	0.8
14	75	1.25	4.0	10	24.8951	34.8951	1.1
15	80	1.33	6.0	16	31.6613	47.6613	1.6
16	85	1.42	10.0	23	42.3285	65.3285	2.7
17	90	1.50	13.0	25	56.8464	81.8464	4.2
18	95	1.58	12.0	21	70.5295	91.5295	5.7
19	100	1.67	9.0	16	78.5508	94.5508	6.5
20	105	1.75	7.0	12	81.0536	93.0536	6.7
21	110	1.83	5.0	9	79.8134	88.8134	6.6
22	115	1.92	4.0	7	76.3008	83.3008	6.3
23	120	2.00	3.0	5	71.7343	76.7343	5.8
24	125	2.08	2.0	4	66.2948	70.2948	5.2
25	130	2.17	2.0	4	60.9603	64.9603	4.7
26	135	2.25	2.0	4	56.5413	60.5413	4.2
27	140	2.33	2.0	3	52.9058	55.9058	3.8
28	145	2.42	1.0	2	49.0990	51.0990	3.4
29	150	2.50	1.0	2	45.1516	47.1516	3.0
30	155	2.58	1.0	2	41.9099	43.9099	2.6
31	160	2.67	1.0	2	39.2477	41.2477	2.3
32	165	2.75	1.0	2	37.0616	39.0616	2.1
33	170	2.83	1.0	2	35.2364	37.2364	1.9
34	175	2.92	1.0	2	33.6703	35.6703	1.8
35	180	3.00	1.0	2	32.3265	34.3265	1.7
36	185	3.08	1.0	2	31.1735	33.1735	1.6
37	190	3.17	1.0	2	30.1841	32.1841	1.5
38	195	3.25	1.0	2	29.3351	31.3351	1.4
39	200	3.33	1.0	2	28.6066	30.6066	1.4
40	205	3.42	1.0	2	27.9815	29.9815	1.3
41	210	3.50	1.0	2	27.4452	29.4452	1.3
42	215	3.58	1.0	2	26.9849	28.9849	1.2
43	220	3.67	1.0	2	26.5900	28.5900	1.2
44	225	3.75	1.0	2	26.2512	28.2512	1.2
45	230	3.83	1.0	2	25.9604	27.9604	1.1
46	235	3.92	1.0	1	25.7109	26.7109	1.1
47	240	4.00	0.0	0	24.6388	24.6388	1.0
48	245	4.08	0.0	0	22.8607	22.8607	0.9
49	250	4.17	0.0	0	21.3351	21.3351	0.8
50	255	4.25	0.0	0	19.8373	19.8373	0.7

5-yr Detention Routing , one 6" PVC pipe

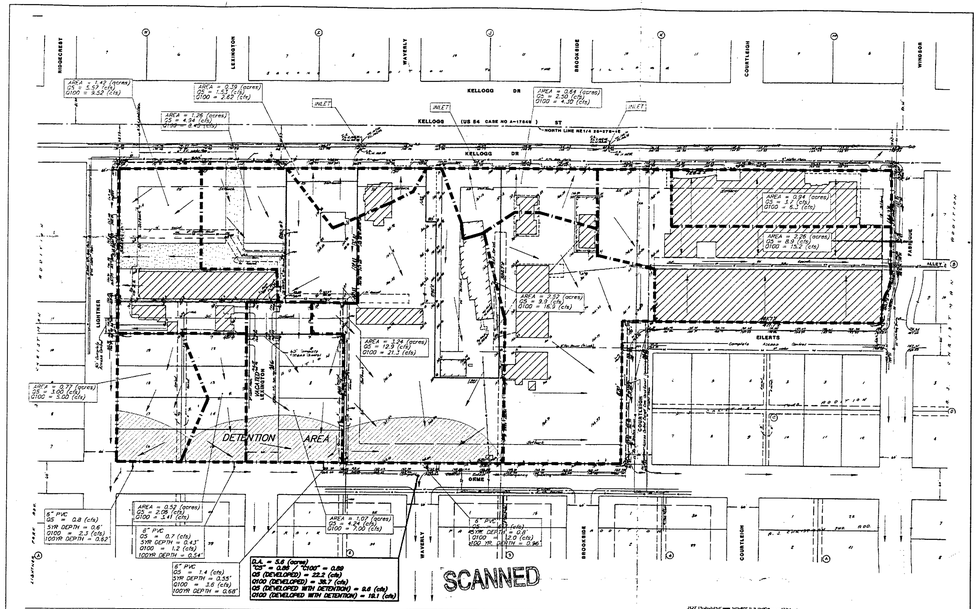
51	260	4.33	0.0	0	18.3618	18.3618	0.7
52	265	4.42	0.0	0	16.9085	16.9085	0.7
53	270	4.50	0.0	0	15.4768	15.4768	0.7
54	275	4.58	0.0	0	14.0666	14.0666	0.7
55	280	4.67	0.0	0	12.6774	12.6774	0.7
56	285	4.75	0.0	0	11.3090	11.3090	0.7
57	290	4.83	0.0	0	9.9709	9.9709	0.7
58	295	4.92	0.0	0	8.6694	8.6694	0.7
59	300	5.00	0.0	0	7.4033	7.4033	0.6
60	305	5.08	0.0	0	6.1718	6.1718	0.6
61	310	5.17	0.0	0	4.9739	4.9739	0.6
62	315	5.25	0.0	0	3.8281	3.8281	0.6
63	320	5.33	0.0	0	2.7547	2.7547	0.5
64	325	5.42	0.0	0	1.7492	1.7492	0.5
65	330	5.50	0.0	0	0.8450	0.8450	0.5
66	335	5.58	0.0	0	0.1171	0.1171	0.4
67	340	5.67	0.0	0	-0.0158	-0.0158	0.1
68	345	5.75	0.0	0	-0.0158	-0.0158	0.0
69	350	5.83	0.0	0	-0.0158	-0.0158	0.0
70	355	5.92	0.0	0	-0.0158	-0.0158	0.0
71	360	6.00	0.0	0	-0.0158	-0.0158	0.0
72	365	6.08	0.0	0	-0.0158	-0.0158	0.0
73	370	6.17	0.0	0	-0.0158	-0.0158	0.0
74	375	6.25	0.0	0	-0.0158	-0.0158	0.0
75	380	6.33	0.0	0	-0.0158	-0.0158	0.0
76	385	6.42	0.0	0	-0.0158	-0.0158	0.0
77	390	6.50	0.0	0	-0.0158	-0.0158	0.0
78	395	6.58	0.0	0	-0.0158	-0.0158	0.0
79	400	6.67	0.0	0	-0.0158	-0.0158	0.0
80	405	6.75	0.0	0	-0.0158	-0.0158	0.0
81	410	6.83	0.0	0	-0.0158	-0.0158	0.0
82	415	6.92	0.0	0	-0.0158	-0.0158	0.0
83	420	7.00	0.0	0	-0.0158	-0.0158	0.0
84	425	7.08	0.0	0	-0.0158	-0.0158	0.0
85	430	7.17	0.0	0	-0.0158	-0.0158	0.0
86	435	7.25	0.0	0	-0.0158	-0.0158	0.0
87	440	7.33	0.0	0	-0.0158	-0.0158	0.0
88	445	7.42	0.0	0	-0.0158	-0.0158	0.0
89	450	7.50	0.0	0	-0.0158	-0.0158	0.0
90	455	7.58	0.0	0	-0.0158	-0.0158	0.0
91	460	7.67	0.0	0	-0.0158	-0.0158	0.0
92	465	7.75	0.0	0	-0.0158	-0.0158	0.0
93	470	7.83	0.0	0	-0.0158	-0.0158	0.0
94	475	7.92	0.0	0	-0.0158	-0.0158	0.0

Detention Routing , one 6" PVC pipe

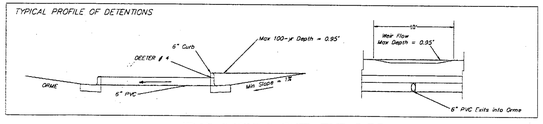
Elev. ft	S ac-ft	O cfs	2S/Dt cfs
0	0	0.00	0
0.1	0.0009	0.34	0.5992
0.2	0.0054	0.48	2.0352
0.3	0.0171	0.59	5.5148
0.4	0.0397	0.68	12.1136
0.5	0.0766	0.76	22.8208
0.6	0.1316	1.97	39.8708
0.7	0.208	4.13	64.034
0.8	0.3101	6.89	96.1988
0.9	0.4408	10.15	137.1004
1	0.604	13.83	187.782
1.1	0.8033	17.90	249.2504
2	1.27	67.83	433.59



)avis Moore 3.24 acre D.A.



TYPICAL PROFILE OF DETENTIONS



VICINITY PLAT

DRAINAGE PLAN

DAVIS MOORE 5TH & 13TH ADDITIONS

Owner: D. and M. Investments, a partnership

This proposed Drainage Plan will retain the peak runoff from existing paved areas and the new Davis Moore 13th Addition by detaining the runoff in the parking lot before discharging off the property. Under this plan, the 100 year storm will discharge 17.6 (cfs) less with the proposed detention.

Revised 24 Feb 1999.
Revised 31 Jan 1999

BAUGHMAN COMPANY P.A.