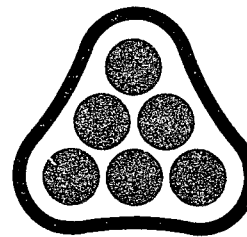
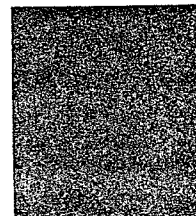


DIRECTORS

D. E. MALTBIE, P.E.
W. H. KELTNER, P.E.
R. D. PLETCHER, P.E.
M. D. SCHOMAKER, P.E.
G. D. SCHOCK, P.E.
J. H. BAILEY, P.E., PH.D.
D. I. NORTON, P.E.
B. E. REMSBERG, P.E.
G. K. GREENWOOD, P.E.
D. E. HAGER, P.E.



PROFESSIONAL
ENGINEERING
CONSULTANTS
PROFESSIONAL ASSOCIATION



September 30, 1992

Mr. Marvin Schellenberg
Reflection Ridge, Inc.
7926 W. 21st St. N
Wichita, KS 67212

Reference: Reflection Ridge Development
Kastens Property Drainage Study
PEC File No. 36-88119-2273

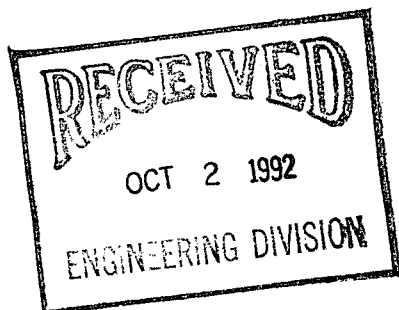
Dear Mr. Schellenberg:

We have completed our preliminary study of the proposed detention pond system as presented in the Design Concept Plan for Reflection Ridge 9th Addition, prepared by Bill Yung Design. The proposed detention pond system studied consists of one existing pond and four ponds proposed to be constructed as part of the development. The following nomenclature was used for the calculations required for this study:

1. The existing pond located in the Reflection Ridge Addition (Lake Ridge Estates area) is referred to as Pond No. 1.
2. The proposed "0.86 Ac. Lake" located in Reflection Ridge 9th Addition is referred to as Pond No. 2.
3. The proposed "1.7 Ac. Lake" and the "3.7 Ac. Lake" and the smaller lake near the driving range were combined for the purposes of this study and are referred to as Pond No. 3.

The proposed system was evaluated for the 100-year flood event. A summary of the hydrologic conditions used for the calculations and the results follows:

Pond No. 1: Pond No. 1 collects runoff from a total drainage area of 49 acres; 11 acres drain to the surface of the pond and 38 acres drain to a 42" RCP that discharges into the pond. The drainage area was assumed to be 1/4 acre residential lots. The pond has a surface area of 1.15 acres at static pool elevation 1345.00 MSL (157.8 City Datum).



303 S. TOPEKA
WICHITA, KANSAS 67202
(316) 262-2691
FAX (316) 262-3003

Pond No. 2: Pond No. 2 collects runoff from a total drainage area of 8.6 acres. The drainage area was assumed to be 1/4 acre residential lots. The proposed pond has a surface area of 0.86 acres at static pool elevation 1341.00 MSL (153.8 City Datum).

Pond No. 3: Pond No. 3 is actually 3 separate ponds that will be connected by structures large enough so that the three ponds may be analyzed as one. Pond No. 3 collects runoff from a total drainage area of 76.4 acres. The drainage area was assumed to be 1/4 acre residential lots. The proposed pond has a total required surface area of 6.4 acres at static pool elevation 1335.00 MSL (147.8 City Datum).

Note that "Pond No. 3" is presently partially constructed, consisting of the pond west of the Quail Meadows models and the small pond located near the driving range tees.

To evaluate the effects of storage, the U.S. Army Corps of Engineers HEC-1 program was used to route the 100-year event storm through the system of detention ponds. The results of these calculations are summarized as follows:

<u>Location</u>	<u>Surface Static Pool Elevation</u>	<u>Required Surface Area at Static Pool (acres)</u>	<u>Peak Discharge In (cfs)</u>	<u>Peak Discharge Out (cfs)</u>	<u>Peak Storage Elevation</u>
Pond No. 1	1345.00 MSL 157.80 City	1.15	152	106	1347.69 MSL 160.49 City
Pond No. 2	1341.00 MSL 153.80 City	0.86	127	102	1344.17 MSL 156.97 City
Pond No. 3	1335.00 MSL 147.80 City	6.40	401	99	1338.51 MSL 151.31 City

The total required surface area of 6.40 acres for Pond No. 3 is greater than the total pond surface area actually shown on the Bill Yung Design Concept Plan for Reflection Ridge 9th Addition. An additional area of approximately 0.5 acres must be provided by extending the boundaries on any of the three proposed lakes so that the total surface area is at least 6.4 acres at static pool. This acreage is required to assure a 100-year peak storage elevation of 1338.5 MSL so adequate freeboard is provided for existing houses to the east and to limit the 100-year discharge to 100 cfs or less which are the controlling constraints for the computations.

Mr. Marvin Schellenberg
September 30, 1992
Page 3

The accompanying plan, flow chart, and HEC-1 output data are for your reference.
If you have any questions or need additional information, please call.

Very truly yours,

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

A handwritten signature in cursive script that reads "Charles S. Brown". The signature is written in black ink and is positioned above the typed name.

Charles S. Brown, P.E.
Manager
Land Development Division

CSB/cas

Encl. As noted

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

```
*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* FEBRUARY 1981 *
* REVISED 02 AUG 88 *
*
* RUN DATE 09/29/1992 TIME 09:50:00 *
*
*****
```

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

```

X   X XXXXXXX XXXX   X
X   X X      X   X   XX
X   X X      X   X   X
XXXXXXXX XXXX   X   XXXX X
X   X X      X   X   X
X   X X      X   X   X
X   X XXXXXXX XXXX   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 -AMSK- 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

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

HEC-1 INPUT

PAGE 1

```

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

1         ID      REFLECTION RIDGE 9TH ADD. -- DETENTION STORAGE ANALYSIS, 100-YR STORM

          *DIAGRAM
2         IT      6 29SEP92   0600       0 29SEP92   2400
3         IN      30 29SEP92   0600
4         IO      0          0
          *
          PARAMETERS FOR HYDROGRAPH FOR FLOW THROUGH 42" RCP

5         KK      1
6         BA      .0594
7         PB      6.5
8         PC      0.08   0.09   0.10   0.11   0.12   0.133  0.147  0.163  0.181  0.204
9         PC      0.235  0.283  0.663  0.735  0.772  0.799  0.820  0.835  0.850  0.865
10        PC      0.880  0.890  0.900  0.910  0.916  0.925  0.934  0.943  0.952  0.958
11        PC      0.964  0.970  0.976  0.982  0.988  0.994  1.000
12        LS      0          61      38
13        UD      0.24
          *
          PARAMETERS FOR HYDROGRAPH FOR FLOW COLLECTED AT THE EXISTING POND

14        KK      2
15        BA      .0172
16        PB      7.8
17        PC      0.08   0.09   0.10   0.11   0.12   0.133  0.147  0.163  0.181  0.204
18        PC      0.235  0.283  0.663  0.735  0.772  0.799  0.820  0.835  0.850  0.865
19        PC      0.880  0.890  0.900  0.910  0.916  0.925  0.934  0.943  0.952  0.958
20        PC      0.964  0.970  0.976  0.982  0.988  0.994  1.000
21        LS      0          61      38
22        UD      0.15
          *
          COMBINED FLOW INFLOW HYDROGRAPH AT POND NO. 1

23        KK      12
24        HC      2          0
          *
          STAGE STORAGE RELATIONSHIP FOR POND NO. 1 FOR 8' WEIR

25        KK      POND1
26        RS      1      ELEV 1345.0
27        SA      1.15   1.25   1.35   1.46   1.57   1.69
28        SE      1345.0 1346.0 1347.0 1348.0 1349.0 1350.0
29        SL
30        SS      1345.0 8      3.0   1.5
          *
          PARAMETERS FOR HYDROGRAPH FOR FLOW COLLECTED AT POND NO. 2

31        KK      3
32        BA      .0134
33        PB      7.8
34        PC      0.08   0.09   0.10   0.11   0.12   0.133  0.147  0.163  0.181  0.204
35        PC      0.235  0.283  0.663  0.735  0.772  0.799  0.820  0.835  0.850  0.865
36        PC      0.880  0.890  0.900  0.910  0.916  0.925  0.934  0.943  0.952  0.958
37        PC      0.964  0.970  0.976  0.982  0.988  0.994  1.000
38        LS      0          61      38
39        UD      0.15
          *
          COMBINED FLOW INFLOW HYDROGRAPH AT POND NO. 2
    
```

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

HEC-1 INPUT

PAGE 2

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
40	KK 123
41	HC 2 0
	* STAGE STORAGE RELATIONSHIP FOR POND NO. 2 FOR 6' WEIR
42	KK POND2
43	RS 1 ELEV 1341.0
44	SA 0.86 0.94 1.01 1.09 1.18 1.26
45	SE 1341.0 1342.0 1343.0 1344.0 1345.0 1346.0
46	SL
47	SS 1341.0 6 3.0 1.5
	* PARAMETERS FOR HYDROGRAPH FOR FLOW COLLECTED AT POND NO. 3
48	KK 4
49	EA .1194
50	PB 7.8
51	PC 0.08 0.09 0.10 0.11 0.12 0.133 0.147 0.163 0.181 0.204
52	PC 0.235 0.283 0.663 0.735 0.772 0.799 0.820 0.835 0.850 0.865
53	PC 0.880 0.890 0.900 0.910 0.916 0.925 0.934 0.943 0.952 0.958
54	PC 0.964 0.970 0.976 0.982 0.988 0.994 1.000
55	LS 0 71 38
56	UD 0.24
	* COMBINED FLOW INFLOW HYDROGRAPH AT POND NO. 3
57	KK 1234
58	HC 2 0
	* STAGE STORAGE RELATIONSHIP FOR POND NO. 2 FOR 6' WEIR
59	KK POND3
60	RS 1 ELEV 1335.0
61	SA 6.40 6.91 7.42 7.93 8.46 8.99
62	SE 1335.0 1336.0 1337.0 1338.0 1339.0 1340.0
63	SL
64	SS 1335.0 5.0 3.0 1.5
65	ZZ

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT LINE	(V) ROUTING	(--->) DIVERSION OR PUMP FLOW
NO.	(.) CONNECTOR	(<---) RETURN OF DIVERTED OR PUMPED FLOW
5	1	
	.	
14	.	2
	.	.
	.	.
23	12.....	
	V	
	V	
25	POND1	
	.	
31	.	3
	.	.
	.	.
40	123.....	
	V	
	V	
42	POND2	
	.	
48	.	4
	.	.
	.	.
57	1234.....	
	V	
	V	
59	POND3	

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

```
*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
*   FEBRUARY 1981
*   REVISED 02 AUG 88
*
* RUN DATE 09/29/1992 TIME 09:50:00
*
*****
```

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

REFLECTION RIDGE 9TH ADD. -- DETENTION STORAGE ANALYSIS, 100-YR STORM

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

IT        HYDROGRAPH TIME DATA
          NMIN       6 MINUTES IN COMPUTATION INTERVAL
          IDATE      29SEP92 STARTING DATE
          ITIME      0600 STARTING TIME
          NQ         181 NUMBER OF HYDROGRAPH ORDINATES
          NDDATE     30SEP92 ENDING DATE
          NDTIME     0000 ENDING TIME
          ICENT      19 CENTURY MARK

          COMPUTATION INTERVAL .10 HOURS
          TOTAL TIME BASE 18.00 HOURS
```

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

*** ** ** ** **

```
*****
*
*
* 5 KK      1 *
*
*****
```

```
3 IN      TIME DATA FOR INPUT TIME SERIES
          JXMIN      30 TIME INTERVAL IN MINUTES
          JXDATE     29SEP92 STARTING DATE
          JXTIME     600 STARTING TIME
```

SUBBASIN RUNOFF DATA

```
6 BA      SUBBASIN CHARACTERISTICS
          TAREA      .06 SUBBASIN AREA
```

PRECIPITATION DATA

```
7 PB      STORM      6.50 BASIN TOTAL PRECIPITATION
```

```
8 PI      INCREMENTAL PRECIPITATION PATTERN
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .01      .01      .01      .01      .01
          .01      .01      .01      .01      .01      .08      .08      .08      .08      .08
          .01      .01      .01      .01      .01      .01      .01      .01      .01      .01
          .01      .01      .01      .01      .01      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
          .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
```

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

12 LS SCS LOSS RATE
 STRTL 1.28 INITIAL ABSTRACTION
 CRVNER 61.00 CURVE NUMBER
 RTIME 38.00 PERCENT IMPERVIOUS AREA

13 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .24 LAG

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

UNIT HYDROGRAPH 14 END-OF-PERIOD ORDINATES

24.	80.	99.	79.	44.	25.	14.	8.	5.	3.
2.	1.	1.	0.						

HYDROGRAPH AT STATION 1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP	Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP	Q
29	SEP	0600	1	.00	.00	.00	0.	*		29	SEP	1506	92	.02	.00	.02	6.	*
29	SEP	0606	2	.01	.01	.01	0.	*		29	SEP	1512	93	.02	.00	.02	6.	*
29	SEP	0612	3	.01	.01	.01	1.	*		29	SEP	1518	94	.02	.00	.02	6.	*
29	SEP	0618	4	.01	.01	.01	1.	*		29	SEP	1524	95	.02	.00	.02	6.	*
29	SEP	0624	5	.01	.01	.01	2.	*		29	SEP	1530	96	.02	.00	.02	6.	*
29	SEP	0630	6	.01	.01	.01	2.	*		29	SEP	1536	97	.02	.00	.02	6.	*
29	SEP	0636	7	.01	.01	.01	2.	*		29	SEP	1542	98	.02	.00	.02	6.	*
29	SEP	0642	8	.01	.01	.01	2.	*		29	SEP	1548	99	.02	.00	.02	6.	*
29	SEP	0648	9	.01	.01	.01	2.	*		29	SEP	1554	100	.02	.00	.02	6.	*
29	SEP	0654	10	.01	.01	.01	2.	*		29	SEP	1600	101	.02	.00	.02	6.	*
29	SEP	0700	11	.01	.01	.01	2.	*		29	SEP	1606	102	.01	.00	.01	6.	*
29	SEP	0706	12	.01	.01	.01	2.	*		29	SEP	1612	103	.01	.00	.01	6.	*
29	SEP	0712	13	.01	.01	.01	2.	*		29	SEP	1618	104	.01	.00	.01	5.	*
29	SEP	0718	14	.01	.01	.01	2.	*		29	SEP	1624	105	.01	.00	.01	5.	*
29	SEP	0724	15	.01	.01	.01	2.	*		29	SEP	1630	106	.01	.00	.01	5.	*
29	SEP	0730	16	.01	.01	.01	2.	*		29	SEP	1636	107	.01	.00	.01	4.	*
29	SEP	0736	17	.01	.01	.01	2.	*		29	SEP	1642	108	.01	.00	.01	4.	*
29	SEP	0742	18	.01	.01	.01	2.	*		29	SEP	1648	109	.01	.00	.01	4.	*
29	SEP	0748	19	.01	.01	.01	2.	*		29	SEP	1654	110	.01	.00	.01	4.	*
29	SEP	0754	20	.01	.01	.01	2.	*		29	SEP	1700	111	.01	.00	.01	4.	*
29	SEP	0800	21	.01	.01	.01	2.	*		29	SEP	1706	112	.01	.00	.01	4.	*
29	SEP	0806	22	.02	.01	.01	2.	*		29	SEP	1712	113	.01	.00	.01	4.	*
29	SEP	0812	23	.02	.01	.01	2.	*		29	SEP	1718	114	.01	.00	.01	4.	*
29	SEP	0818	24	.02	.01	.01	2.	*		29	SEP	1724	115	.01	.00	.01	4.	*
29	SEP	0824	25	.02	.01	.01	3.	*		29	SEP	1730	116	.01	.00	.01	4.	*
29	SEP	0830	26	.02	.01	.01	3.	*		29	SEP	1736	117	.01	.00	.01	4.	*
29	SEP	0836	27	.02	.01	.01	3.	*		29	SEP	1742	118	.01	.00	.01	4.	*
29	SEP	0842	28	.02	.01	.01	3.	*		29	SEP	1748	119	.01	.00	.01	3.	*
29	SEP	0848	29	.02	.01	.01	3.	*		29	SEP	1754	120	.01	.00	.01	3.	*
29	SEP	0854	30	.02	.01	.01	3.	*		29	SEP	1800	121	.01	.00	.01	3.	*
29	SEP	0900	31	.02	.01	.01	3.	*		29	SEP	1806	122	.01	.00	.01	3.	*
29	SEP	0906	32	.02	.01	.01	3.	*		29	SEP	1812	123	.01	.00	.01	3.	*
29	SEP	0912	33	.02	.01	.01	3.	*		29	SEP	1818	124	.01	.00	.01	3.	*
29	SEP	0918	34	.02	.01	.01	3.	*		29	SEP	1824	125	.01	.00	.01	4.	*
29	SEP	0924	35	.02	.01	.01	3.	*		29	SEP	1830	126	.01	.00	.01	4.	*
29	SEP	0930	36	.02	.01	.01	3.	*		29	SEP	1836	127	.01	.00	.01	4.	*
29	SEP	0936	37	.03	.02	.01	3.	*		29	SEP	1842	128	.01	.00	.01	4.	*
29	SEP	0942	38	.03	.02	.01	3.	*		29	SEP	1848	129	.01	.00	.01	4.	*
29	SEP	0948	39	.03	.02	.01	3.	*		29	SEP	1854	130	.01	.00	.01	4.	*
29	SEP	0954	40	.03	.02	.01	4.	*		29	SEP	1900	131	.01	.00	.01	4.	*
29	SEP	1000	41	.03	.02	.01	4.	*		29	SEP	1906	132	.01	.00	.01	4.	*
29	SEP	1006	42	.03	.02	.01	4.	*		29	SEP	1912	133	.01	.00	.01	4.	*
29	SEP	1012	43	.03	.02	.01	4.	*		29	SEP	1918	134	.01	.00	.01	4.	*
29	SEP	1018	44	.03	.02	.01	4.	*		29	SEP	1924	135	.01	.00	.01	4.	*
29	SEP	1024	45	.03	.02	.01	4.	*		29	SEP	1930	136	.01	.00	.01	4.	*
29	SEP	1030	46	.03	.02	.01	5.	*		29	SEP	1936	137	.01	.00	.01	4.	*
29	SEP	1036	47	.04	.03	.02	5.	*		29	SEP	1942	138	.01	.00	.01	4.	*
29	SEP	1042	48	.04	.03	.02	5.	*		29	SEP	1948	139	.01	.00	.01	4.	*

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 1048	49	.04	.03	.02	6.	*	29 SEP 1954	140	.01	.00	.01	4.
29 SEP 1054	50	.04	.03	.02	6.	*	29 SEP 2000	141	.01	.00	.01	4.
29 SEP 1100	51	.04	.03	.02	6.	*	29 SEP 2006	142	.01	.00	.01	4.
29 SEP 1106	52	.07	.04	.03	6.	*	29 SEP 2012	143	.01	.00	.01	4.
29 SEP 1112	53	.07	.04	.03	7.	*	29 SEP 2018	144	.01	.00	.01	3.
29 SEP 1118	54	.07	.04	.03	8.	*	29 SEP 2024	145	.01	.00	.01	3.
29 SEP 1124	55	.07	.04	.03	9.	*	29 SEP 2030	146	.01	.00	.01	3.
29 SEP 1130	56	.07	.04	.03	9.	*	29 SEP 2036	147	.01	.00	.01	3.
29 SEP 1136	57	.54	.29	.24	15.	*	29 SEP 2042	148	.01	.00	.01	3.
29 SEP 1142	58	.54	.25	.29	34.	*	29 SEP 2048	149	.01	.00	.01	3.
29 SEP 1148	59	.54	.22	.32	59.	*	29 SEP 2054	150	.01	.00	.01	3.
29 SEP 1154	60	.54	.19	.35	84.	*	29 SEP 2100	151	.01	.00	.01	3.
29 SEP 1200	61	.54	.17	.37	102.	*	29 SEP 2106	152	.01	.00	.01	3.
29 SEP 1206	62	.10	.03	.07	110.	*	29 SEP 2112	153	.01	.00	.01	3.
29 SEP 1212	63	.10	.03	.07	96.	*	29 SEP 2118	154	.01	.00	.01	3.
29 SEP 1218	64	.10	.03	.07	73.	*	29 SEP 2124	155	.01	.00	.01	3.
29 SEP 1224	65	.10	.03	.07	53.	*	29 SEP 2130	156	.01	.00	.01	3.
29 SEP 1230	66	.10	.03	.07	43.	*	29 SEP 2136	157	.01	.00	.01	3.
29 SEP 1236	67	.05	.01	.04	36.	*	29 SEP 2142	158	.01	.00	.01	3.
29 SEP 1242	68	.05	.01	.04	29.	*	29 SEP 2148	159	.01	.00	.01	3.
29 SEP 1248	69	.05	.01	.04	24.	*	29 SEP 2154	160	.01	.00	.01	3.
29 SEP 1254	70	.05	.01	.04	20.	*	29 SEP 2200	161	.01	.00	.01	3.
29 SEP 1300	71	.05	.01	.04	18.	*	29 SEP 2206	162	.01	.00	.01	3.
29 SEP 1306	72	.04	.01	.03	16.	*	29 SEP 2212	163	.01	.00	.01	3.
29 SEP 1312	73	.04	.01	.03	15.	*	29 SEP 2218	164	.01	.00	.01	3.
29 SEP 1318	74	.04	.01	.03	13.	*	29 SEP 2224	165	.01	.00	.01	3.
29 SEP 1324	75	.04	.01	.03	12.	*	29 SEP 2230	166	.01	.00	.01	3.
29 SEP 1330	76	.04	.01	.03	12.	*	29 SEP 2236	167	.01	.00	.01	3.
29 SEP 1336	77	.03	.01	.02	11.	*	29 SEP 2242	168	.01	.00	.01	3.
29 SEP 1342	78	.03	.01	.02	11.	*	29 SEP 2248	169	.01	.00	.01	3.
29 SEP 1348	79	.03	.01	.02	10.	*	29 SEP 2254	170	.01	.00	.01	3.
29 SEP 1354	80	.03	.01	.02	9.	*	29 SEP 2300	171	.01	.00	.01	3.
29 SEP 1400	81	.03	.01	.02	9.	*	29 SEP 2306	172	.01	.00	.01	3.
29 SEP 1406	82	.02	.01	.02	9.	*	29 SEP 2312	173	.01	.00	.01	3.
29 SEP 1412	83	.02	.00	.02	8.	*	29 SEP 2318	174	.01	.00	.01	3.
29 SEP 1418	84	.02	.00	.02	7.	*	29 SEP 2324	175	.01	.00	.01	3.
29 SEP 1424	85	.02	.00	.02	7.	*	29 SEP 2330	176	.01	.00	.01	3.
29 SEP 1430	86	.02	.00	.02	7.	*	29 SEP 2336	177	.01	.00	.01	3.
29 SEP 1436	87	.02	.00	.02	6.	*	29 SEP 2342	178	.01	.00	.01	3.
29 SEP 1442	88	.02	.00	.02	6.	*	29 SEP 2348	179	.01	.00	.01	3.
29 SEP 1448	89	.02	.00	.02	6.	*	29 SEP 2354	180	.01	.00	.01	3.
29 SEP 1454	90	.02	.00	.02	6.	*	30 SEP 0000	181	.01	.00	.01	3.
29 SEP 1500	91	.02	.00	.02	6.	*						

TOTAL RAINFALL = 6.50, TOTAL LOSS = 2.57, TOTAL EXCESS = 3.93

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
		(CFS)			
+ 110.	6.10	19.	8.	8.	8.
		(INCHES)	2.974	3.903	3.903
		(AC-FT)	9.	12.	12.

CUMULATIVE AREA = .06 SQ MI

*** **

```

*****
*           *
14 KK      * 2 *
*           *
*****
    
```

3 IN TIME DATA FOR INPUT TIME SERIES
 JKMIN 30 TIME INTERVAL IN MINUTES
 JXDATE 29SEP92 STARTING DATE
 JYTIME 600 STARTING TIME

SUBBASIN RUNOFF DATA

15 BA SUBBASIN CHARACTERISTICS
 TAREA .02 SUBBASIN AREA

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 0912	33	.03	.02	.01	1.	*	29 SEP 1818	124	.02	.00	.01	1.
29 SEP 0918	34	.03	.02	.01	1.	*	29 SEP 1824	125	.02	.00	.01	1.
29 SEP 0924	35	.03	.02	.01	1.	*	29 SEP 1830	126	.02	.00	.01	1.
29 SEP 0930	36	.03	.02	.01	1.	*	29 SEP 1836	127	.02	.00	.01	1.
29 SEP 0936	37	.03	.02	.01	1.	*	29 SEP 1842	128	.02	.00	.01	1.
29 SEP 0942	38	.03	.02	.01	1.	*	29 SEP 1848	129	.02	.00	.01	1.
29 SEP 0948	39	.03	.02	.01	1.	*	29 SEP 1854	130	.02	.00	.01	1.
29 SEP 0954	40	.03	.02	.01	1.	*	29 SEP 1900	131	.02	.00	.01	1.
29 SEP 1000	41	.03	.02	.01	1.	*	29 SEP 1906	132	.02	.00	.01	1.
29 SEP 1006	42	.04	.02	.01	1.	*	29 SEP 1912	133	.02	.00	.01	1.
29 SEP 1012	43	.04	.02	.01	1.	*	29 SEP 1918	134	.02	.00	.01	1.
29 SEP 1018	44	.04	.02	.01	2.	*	29 SEP 1924	135	.02	.00	.01	1.
29 SEP 1024	45	.04	.02	.01	2.	*	29 SEP 1930	136	.02	.00	.01	1.
29 SEP 1030	46	.04	.02	.01	2.	*	29 SEP 1936	137	.02	.00	.01	1.
29 SEP 1036	47	.05	.03	.02	2.	*	29 SEP 1942	138	.02	.00	.01	1.
29 SEP 1042	48	.05	.03	.02	2.	*	29 SEP 1948	139	.02	.00	.01	1.
29 SEP 1048	49	.05	.03	.02	2.	*	29 SEP 1954	140	.02	.00	.01	1.
29 SEP 1054	50	.05	.03	.02	2.	*	29 SEP 2000	141	.02	.00	.01	1.
29 SEP 1100	51	.05	.03	.02	2.	*	29 SEP 2006	142	.01	.00	.01	1.
29 SEP 1106	52	.08	.05	.03	2.	*	29 SEP 2012	143	.01	.00	.01	1.
29 SEP 1112	53	.08	.05	.03	3.	*	29 SEP 2018	144	.01	.00	.01	1.
29 SEP 1118	54	.08	.05	.03	3.	*	29 SEP 2024	145	.01	.00	.01	1.
29 SEP 1124	55	.08	.05	.04	4.	*	29 SEP 2030	146	.01	.00	.01	1.
29 SEP 1130	56	.08	.04	.04	4.	*	29 SEP 2036	147	.01	.00	.01	1.
29 SEP 1136	57	.64	.32	.32	10.	*	29 SEP 2042	148	.01	.00	.01	1.
29 SEP 1142	58	.64	.27	.38	23.	*	29 SEP 2048	149	.01	.00	.01	1.
29 SEP 1148	59	.64	.23	.42	34.	*	29 SEP 2054	150	.01	.00	.01	1.
29 SEP 1154	60	.64	.20	.45	41.	*	29 SEP 2100	151	.01	.00	.01	1.
29 SEP 1200	61	.64	.17	.47	46.	*	29 SEP 2106	152	.01	.00	.01	1.
29 SEP 1206	62	.12	.03	.09	42.	*	29 SEP 2112	153	.01	.00	.01	1.
29 SEP 1212	63	.12	.03	.09	28.	*	29 SEP 2118	154	.01	.00	.01	1.
29 SEP 1218	64	.12	.03	.09	18.	*	29 SEP 2124	155	.01	.00	.01	1.
29 SEP 1224	65	.12	.03	.09	14.	*	29 SEP 2130	156	.01	.00	.01	1.
29 SEP 1230	66	.12	.03	.09	12.	*	29 SEP 2136	157	.01	.00	.01	1.
29 SEP 1236	67	.06	.01	.05	10.	*	29 SEP 2142	158	.01	.00	.01	1.
29 SEP 1242	68	.06	.01	.05	8.	*	29 SEP 2148	159	.01	.00	.01	1.
29 SEP 1248	69	.06	.01	.05	6.	*	29 SEP 2154	160	.01	.00	.01	1.
29 SEP 1254	70	.06	.01	.05	6.	*	29 SEP 2200	161	.01	.00	.01	1.
29 SEP 1300	71	.06	.01	.05	6.	*	29 SEP 2206	162	.01	.00	.01	1.
29 SEP 1306	72	.05	.01	.04	5.	*	29 SEP 2212	163	.01	.00	.01	1.
29 SEP 1312	73	.05	.01	.04	5.	*	29 SEP 2218	164	.01	.00	.01	1.
29 SEP 1318	74	.05	.01	.04	4.	*	29 SEP 2224	165	.01	.00	.01	1.
29 SEP 1324	75	.05	.01	.04	4.	*	29 SEP 2230	166	.01	.00	.01	1.
29 SEP 1330	76	.05	.01	.04	4.	*	29 SEP 2236	167	.01	.00	.01	1.
29 SEP 1336	77	.04	.01	.03	4.	*	29 SEP 2242	168	.01	.00	.01	1.
29 SEP 1342	78	.04	.01	.03	4.	*	29 SEP 2248	169	.01	.00	.01	1.
29 SEP 1348	79	.04	.01	.03	3.	*	29 SEP 2254	170	.01	.00	.01	1.
29 SEP 1354	80	.04	.01	.03	3.	*	29 SEP 2300	171	.01	.00	.01	1.
29 SEP 1400	81	.04	.01	.03	3.	*	29 SEP 2306	172	.01	.00	.01	1.
29 SEP 1406	82	.03	.00	.02	3.	*	29 SEP 2312	173	.01	.00	.01	1.
29 SEP 1412	83	.03	.00	.02	3.	*	29 SEP 2318	174	.01	.00	.01	1.
29 SEP 1418	84	.03	.00	.02	2.	*	29 SEP 2324	175	.01	.00	.01	1.
29 SEP 1424	85	.03	.00	.02	2.	*	29 SEP 2330	176	.01	.00	.01	1.
29 SEP 1430	86	.03	.00	.02	2.	*	29 SEP 2336	177	.01	.00	.01	1.
29 SEP 1436	87	.03	.00	.02	2.	*	29 SEP 2342	178	.01	.00	.01	1.
29 SEP 1442	88	.03	.00	.02	2.	*	29 SEP 2348	179	.01	.00	.01	1.
29 SEP 1448	89	.03	.00	.02	2.	*	29 SEP 2354	180	.01	.00	.01	1.
29 SEP 1454	90	.03	.00	.02	2.	*	30 SEP 0000	181	.01	.00	.01	1.
29 SEP 1500	91	.03	.00	.02	2.	*						

TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.79, TOTAL EXCESS = 5.01

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
46.	6.00	7.	3.	3.	3.	
		(INCHES)	3.828	4.987	4.987	4.987
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .02 SQ MI

*** **

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

```

*****
*           *
23 KK      * 12 *
*           *
*****
    
```

```

24 HC      HYDROGRAPH COMBINATION
           ICOMP          2 NUMBER OF HYDROGRAPHS TO COMBINE
    
```

HYDROGRAPH AT STATION 12
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	
29	SEP	0600	1	0.	*	29	SEP	1036	47	6.	*	29	SEP	1512	93	9.	*	29	SEP	1948	139	5.	*	
29	SEP	0606	2	0.	*	29	SEP	1042	48	7.	*	29	SEP	1518	94	9.	*	29	SEP	1954	140	5.	*	
29	SEP	0612	3	1.	*	29	SEP	1048	49	8.	*	29	SEP	1524	95	9.	*	29	SEP	2000	141	5.	*	
29	SEP	0618	4	2.	*	29	SEP	1054	50	8.	*	29	SEP	1530	96	9.	*	29	SEP	2006	142	5.	*	
29	SEP	0624	5	2.	*	29	SEP	1100	51	8.	*	29	SEP	1536	97	9.	*	29	SEP	2012	143	5.	*	
29	SEP	0630	6	2.	*	29	SEP	1106	52	9.	*	29	SEP	1542	98	9.	*	29	SEP	2018	144	4.	*	
29	SEP	0636	7	3.	*	29	SEP	1112	53	10.	*	29	SEP	1548	99	9.	*	29	SEP	2024	145	4.	*	
29	SEP	0642	8	3.	*	29	SEP	1118	54	12.	*	29	SEP	1554	100	9.	*	29	SEP	2030	146	4.	*	
29	SEP	0648	9	3.	*	29	SEP	1124	55	13.	*	29	SEP	1600	101	9.	*	29	SEP	2036	147	4.	*	
29	SEP	0654	10	3.	*	29	SEP	1130	56	13.	*	29	SEP	1606	102	8.	*	29	SEP	2042	148	4.	*	
29	SEP	0700	11	3.	*	29	SEP	1136	57	25.	*	29	SEP	1612	103	8.	*	29	SEP	2048	149	4.	*	
29	SEP	0706	12	3.	*	29	SEP	1142	58	56.	*	29	SEP	1618	104	7.	*	29	SEP	2054	150	4.	*	
29	SEP	0712	13	3.	*	29	SEP	1148	59	93.	*	29	SEP	1624	105	6.	*	29	SEP	2100	151	4.	*	
29	SEP	0718	14	3.	*	29	SEP	1154	60	125.	*	29	SEP	1630	106	6.	*	29	SEP	2106	152	4.	*	
29	SEP	0724	15	3.	*	29	SEP	1200	61	148.	*	29	SEP	1636	107	6.	*	29	SEP	2112	153	4.	*	
29	SEP	0730	16	3.	*	29	SEP	1206	62	152.	*	29	SEP	1642	108	6.	*	29	SEP	2118	154	4.	*	
29	SEP	0736	17	3.	*	29	SEP	1212	63	124.	*	29	SEP	1648	109	6.	*	29	SEP	2124	155	4.	*	
29	SEP	0742	18	3.	*	29	SEP	1218	64	91.	*	29	SEP	1654	110	6.	*	29	SEP	2130	156	4.	*	
29	SEP	0748	19	3.	*	29	SEP	1224	65	67.	*	29	SEP	1700	111	6.	*	29	SEP	2136	157	4.	*	
29	SEP	0754	20	3.	*	29	SEP	1230	66	54.	*	29	SEP	1706	112	6.	*	29	SEP	2142	158	4.	*	
29	SEP	0800	21	3.	*	29	SEP	1236	67	46.	*	29	SEP	1712	113	6.	*	29	SEP	2148	159	4.	*	
29	SEP	0806	22	3.	*	29	SEP	1242	68	37.	*	29	SEP	1718	114	6.	*	29	SEP	2154	160	4.	*	
29	SEP	0812	23	3.	*	29	SEP	1248	69	30.	*	29	SEP	1724	115	6.	*	29	SEP	2200	161	4.	*	
29	SEP	0818	24	3.	*	29	SEP	1254	70	26.	*	29	SEP	1730	116	6.	*	29	SEP	2206	162	4.	*	
29	SEP	0824	25	3.	*	29	SEP	1300	71	23.	*	29	SEP	1736	117	6.	*	29	SEP	2212	163	4.	*	
29	SEP	0830	26	4.	*	29	SEP	1306	72	22.	*	29	SEP	1742	118	5.	*	29	SEP	2218	164	4.	*	
29	SEP	0836	27	4.	*	29	SEP	1312	73	19.	*	29	SEP	1748	119	4.	*	29	SEP	2224	165	4.	*	
29	SEP	0842	28	4.	*	29	SEP	1318	74	18.	*	29	SEP	1754	120	4.	*	29	SEP	2230	166	4.	*	
29	SEP	0848	29	4.	*	29	SEP	1324	75	16.	*	29	SEP	1800	121	4.	*	29	SEP	2236	167	4.	*	
29	SEP	0854	30	4.	*	29	SEP	1330	76	16.	*	29	SEP	1806	122	4.	*	29	SEP	2242	168	4.	*	
29	SEP	0900	31	4.	*	29	SEP	1336	77	15.	*	29	SEP	1812	123	4.	*	29	SEP	2248	169	4.	*	
29	SEP	0906	32	4.	*	29	SEP	1342	78	14.	*	29	SEP	1818	124	5.	*	29	SEP	2254	170	4.	*	
29	SEP	0912	33	4.	*	29	SEP	1348	79	13.	*	29	SEP	1824	125	5.	*	29	SEP	2300	171	4.	*	
29	SEP	0918	34	4.	*	29	SEP	1354	80	13.	*	29	SEP	1830	126	5.	*	29	SEP	2306	172	4.	*	
29	SEP	0924	35	4.	*	29	SEP	1400	81	12.	*	29	SEP	1836	127	5.	*	29	SEP	2312	173	4.	*	
29	SEP	0930	36	4.	*	29	SEP	1406	82	12.	*	29	SEP	1842	128	5.	*	29	SEP	2318	174	4.	*	
29	SEP	0936	37	4.	*	29	SEP	1412	83	11.	*	29	SEP	1848	129	5.	*	29	SEP	2324	175	4.	*	
29	SEP	0942	38	5.	*	29	SEP	1418	84	10.	*	29	SEP	1854	130	5.	*	29	SEP	2330	176	4.	*	
29	SEP	0948	39	5.	*	29	SEP	1424	85	9.	*	29	SEP	1900	131	5.	*	29	SEP	2336	177	4.	*	
29	SEP	0954	40	5.	*	29	SEP	1430	86	9.	*	29	SEP	1906	132	5.	*	29	SEP	2342	178	4.	*	
29	SEP	1000	41	5.	*	29	SEP	1436	87	9.	*	29	SEP	1912	133	5.	*	29	SEP	2348	179	4.	*	
29	SEP	1006	42	5.	*	29	SEP	1442	88	9.	*	29	SEP	1918	134	5.	*	29	SEP	2354	180	4.	*	
29	SEP	1012	43	5.	*	29	SEP	1448	89	9.	*	29	SEP	1924	135	5.	*	30	SEP	0000	181	4.	*	
29	SEP	1018	44	6.	*	29	SEP	1454	90	9.	*	29	SEP	1930	136	5.	*							*
29	SEP	1024	45	6.	*	29	SEP	1500	91	9.	*	29	SEP	1936	137	5.	*							*
29	SEP	1030	46	6.	*	29	SEP	1506	92	9.	*	29	SEP	1942	138	5.	*							*

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
152.	6.10	26.	11.	11.	11.	
		(INCHES)	3.165	4.146	4.146	4.146
		(AC-FT)	13.	17.	17.	17.
CUMULATIVE AREA =		.08 SQ MI				

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

*** **

```
*****
*
25 KK * POND1 *
*
*****
```

HYDROGRAPH ROUTING DATA

```
26 RS STORAGE ROUTING
      NSTPS      1 NUMBER OF SUBREACHES
      ITYP      ELEV TYPE OF INITIAL CONDITION
      RSVRIC    1345.00 INITIAL CONDITION
      X          .00 WORKING R AND D COEFFICIENT

27 SA AREA      1.1      1.3      1.4      1.5      1.6      1.7

28 SE ELEVATION 1345.00 1346.00 1347.00 1348.00 1349.00 1350.00

30 SS SPILLWAY
      CREL      1345.00 SPILLWAY CREST ELEVATION
      SPWID      8.00 SPILLWAY WIDTH
      COOW      3.00 WEIR COEFFICIENT
      EXPW      1.50 EXPONENT OF HEAD
```

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	1.20	2.50	3.90	5.42	7.05
ELEVATION	1345.00	1346.00	1347.00	1348.00	1349.00	1350.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.05	.37	1.24	2.95	5.75	9.94	15.78	23.56
ELEVATION	1345.00	1345.00	1345.02	1345.06	1345.14	1345.25	1345.39	1345.56	1345.76	1345.99
OUTFLOW	33.54	46.01	61.24	79.50	101.08	126.25	155.28	188.45	226.04	268.33
ELEVATION	1346.25	1346.54	1346.87	1347.22	1347.61	1348.02	1348.47	1348.95	1349.46	1350.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.07	.16	.29	.45	.65	.90	1.18	1.20
OUTFLOW	.00	.05	.37	1.24	2.95	5.75	9.94	15.78	23.56	24.00
ELEVATION	1345.00	1345.02	1345.06	1345.14	1345.25	1345.39	1345.56	1345.76	1345.99	1346.00
STORAGE	1.52	1.89	2.32	2.50	2.80	3.34	3.90	3.94	4.61	5.34
OUTFLOW	33.54	46.01	61.24	79.50	101.08	126.25	155.28	188.45	226.04	268.33
ELEVATION	1346.25	1346.54	1346.87	1347.00	1347.22	1347.61	1348.00	1348.02	1348.47	1348.95
STORAGE	5.42	6.15	7.05							
OUTFLOW	192.00	226.04	268.33							
ELEVATION	1349.00	1349.46	1350.00							

HYDROGRAPH AT STATION POND1

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
29	SEP	0600	1	0.	.0	1345.0	*	29	SEP	1206	62	93.	3.1	1347.5	*	29	SEP	1812	123	5.	.4	1345.3
29	SEP	0606	2	0.	.0	1345.0	*	29	SEP	1212	63	106.	3.5	1347.7	*	29	SEP	1818	124	5.	.4	1345.3
29	SEP	0612	3	0.	.0	1345.0	*	29	SEP	1218	64	106.	3.5	1347.7	*	29	SEP	1824	125	5.	.4	1345.3
29	SEP	0618	4	0.	.0	1345.0	*	29	SEP	1224	65	98.	3.3	1347.6	*	29	SEP	1830	126	5.	.4	1345.3
29	SEP	0624	5	0.	.0	1345.0	*	29	SEP	1230	66	88.	3.0	1347.4	*	29	SEP	1836	127	5.	.4	1345.3
29	SEP	0630	6	0.	.0	1345.0	*	29	SEP	1236	67	77.	2.7	1347.2	*	29	SEP	1842	128	5.	.4	1345.3
29	SEP	0636	7	0.	.1	1345.1	*	29	SEP	1242	68	67.	2.5	1347.0	*	29	SEP	1848	129	5.	.4	1345.3
29	SEP	0642	8	1.	.1	1345.1	*	29	SEP	1248	69	59.	2.2	1346.8	*	29	SEP	1854	130	5.	.4	1345.4
29	SEP	0648	9	1.	.1	1345.1	*	29	SEP	1254	70	51.	2.0	1346.6	*	29	SEP	1900	131	5.	.4	1345.4
29	SEP	0654	10	1.	.1	1345.1	*	29	SEP	1300	71	44.	1.8	1346.5	*	29	SEP	1906	132	5.	.4	1345.4
29	SEP	0700	11	1.	.1	1345.1	*	29	SEP	1306	72	39.	1.7	1346.4	*	29	SEP	1912	133	5.	.4	1345.4
29	SEP	0706	12	1.	.1	1345.1	*	29	SEP	1312	73	34.	1.5	1346.3	*	29	SEP	1918	134	5.	.4	1345.4
29	SEP	0712	13	1.	.2	1345.1	*	29	SEP	1318	74	31.	1.4	1346.2	*	29	SEP	1924	135	5.	.4	1345.4

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 0718	14	1.	.2	1345.1	*	29 SEP 1324	75	28.	1.3	1346.1	*	29 SEP 1930	136	5.	.4	1345.4
29 SEP 0724	15	2.	.2	1345.2	*	29 SEP 1330	76	25.	1.2	1346.0	*	29 SEP 1936	137	5.	.4	1345.4
29 SEP 0730	16	2.	.2	1345.2	*	29 SEP 1336	77	23.	1.2	1346.0	*	29 SEP 1942	138	5.	.4	1345.4
29 SEP 0736	17	2.	.2	1345.2	*	29 SEP 1342	78	21.	1.1	1345.9	*	29 SEP 1948	139	5.	.4	1345.4
29 SEP 0742	18	2.	.2	1345.2	*	29 SEP 1348	79	20.	1.0	1345.9	*	29 SEP 1954	140	5.	.4	1345.4
29 SEP 0748	19	2.	.2	1345.2	*	29 SEP 1354	80	18.	1.0	1345.8	*	29 SEP 2000	141	5.	.4	1345.4
29 SEP 0754	20	2.	.2	1345.2	*	29 SEP 1400	81	17.	1.0	1345.8	*	29 SEP 2006	142	5.	.4	1345.4
29 SEP 0800	21	2.	.2	1345.2	*	29 SEP 1406	82	16.	.9	1345.8	*	29 SEP 2012	143	5.	.4	1345.4
29 SEP 0806	22	2.	.2	1345.2	*	29 SEP 1412	83	15.	.9	1345.7	*	29 SEP 2018	144	5.	.4	1345.4
29 SEP 0812	23	2.	.2	1345.2	*	29 SEP 1418	84	14.	.8	1345.7	*	29 SEP 2024	145	5.	.4	1345.3
29 SEP 0818	24	2.	.2	1345.2	*	29 SEP 1424	85	13.	.8	1345.7	*	29 SEP 2030	146	5.	.4	1345.3
29 SEP 0824	25	2.	.3	1345.2	*	29 SEP 1430	86	13.	.8	1345.7	*	29 SEP 2036	147	5.	.4	1345.3
29 SEP 0830	26	3.	.3	1345.2	*	29 SEP 1436	87	12.	.7	1345.6	*	29 SEP 2042	148	5.	.4	1345.3
29 SEP 0836	27	3.	.3	1345.2	*	29 SEP 1442	88	11.	.7	1345.6	*	29 SEP 2048	149	4.	.4	1345.3
29 SEP 0842	28	3.	.3	1345.2	*	29 SEP 1448	89	11.	.7	1345.6	*	29 SEP 2054	150	4.	.4	1345.3
29 SEP 0848	29	3.	.3	1345.2	*	29 SEP 1454	90	10.	.7	1345.6	*	29 SEP 2100	151	4.	.4	1345.3
29 SEP 0854	30	3.	.3	1345.2	*	29 SEP 1500	91	10.	.7	1345.6	*	29 SEP 2106	152	4.	.4	1345.3
29 SEP 0900	31	3.	.3	1345.3	*	29 SEP 1506	92	10.	.7	1345.6	*	29 SEP 2112	153	4.	.4	1345.3
29 SEP 0906	32	3.	.3	1345.3	*	29 SEP 1512	93	10.	.6	1345.5	*	29 SEP 2118	154	4.	.3	1345.3
29 SEP 0912	33	3.	.3	1345.3	*	29 SEP 1518	94	9.	.6	1345.5	*	29 SEP 2124	155	4.	.3	1345.3
29 SEP 0918	34	3.	.3	1345.3	*	29 SEP 1524	95	9.	.6	1345.5	*	29 SEP 2130	156	4.	.3	1345.3
29 SEP 0924	35	4.	.3	1345.3	*	29 SEP 1530	96	9.	.6	1345.5	*	29 SEP 2136	157	4.	.3	1345.3
29 SEP 0930	36	4.	.3	1345.3	*	29 SEP 1536	97	9.	.6	1345.5	*	29 SEP 2142	158	4.	.3	1345.3
29 SEP 0936	37	4.	.3	1345.3	*	29 SEP 1542	98	9.	.6	1345.5	*	29 SEP 2148	159	4.	.3	1345.3
29 SEP 0942	38	4.	.3	1345.3	*	29 SEP 1548	99	9.	.6	1345.5	*	29 SEP 2154	160	4.	.3	1345.3
29 SEP 0948	39	4.	.3	1345.3	*	29 SEP 1554	100	9.	.6	1345.5	*	29 SEP 2200	161	4.	.3	1345.3
29 SEP 0954	40	4.	.4	1345.3	*	29 SEP 1600	101	9.	.6	1345.5	*	29 SEP 2206	162	4.	.3	1345.3
29 SEP 1000	41	4.	.4	1345.3	*	29 SEP 1606	102	9.	.6	1345.5	*	29 SEP 2212	163	4.	.3	1345.3
29 SEP 1006	42	4.	.4	1345.3	*	29 SEP 1612	103	9.	.6	1345.5	*	29 SEP 2218	164	4.	.3	1345.3
29 SEP 1012	43	4.	.4	1345.3	*	29 SEP 1618	104	8.	.6	1345.5	*	29 SEP 2224	165	4.	.3	1345.3
29 SEP 1018	44	5.	.4	1345.3	*	29 SEP 1624	105	8.	.6	1345.5	*	29 SEP 2230	166	4.	.3	1345.3
29 SEP 1024	45	5.	.4	1345.3	*	29 SEP 1630	106	8.	.6	1345.5	*	29 SEP 2236	167	4.	.3	1345.3
29 SEP 1030	46	5.	.4	1345.3	*	29 SEP 1636	107	8.	.5	1345.5	*	29 SEP 2242	168	4.	.3	1345.3
29 SEP 1036	47	5.	.4	1345.4	*	29 SEP 1642	108	7.	.5	1345.5	*	29 SEP 2248	169	4.	.3	1345.3
29 SEP 1042	48	5.	.4	1345.4	*	29 SEP 1648	109	7.	.5	1345.4	*	29 SEP 2254	170	4.	.3	1345.3
29 SEP 1048	49	6.	.4	1345.4	*	29 SEP 1654	110	7.	.5	1345.4	*	29 SEP 2300	171	4.	.3	1345.3
29 SEP 1054	50	6.	.5	1345.4	*	29 SEP 1700	111	7.	.5	1345.4	*	29 SEP 2306	172	4.	.3	1345.3
29 SEP 1100	51	6.	.5	1345.4	*	29 SEP 1706	112	7.	.5	1345.4	*	29 SEP 2312	173	4.	.3	1345.3
29 SEP 1106	52	7.	.5	1345.4	*	29 SEP 1712	113	6.	.5	1345.4	*	29 SEP 2318	174	4.	.3	1345.3
29 SEP 1112	53	7.	.5	1345.4	*	29 SEP 1718	114	6.	.5	1345.4	*	29 SEP 2324	175	4.	.3	1345.3
29 SEP 1118	54	8.	.5	1345.5	*	29 SEP 1724	115	6.	.5	1345.4	*	29 SEP 2330	176	4.	.3	1345.3
29 SEP 1124	55	8.	.6	1345.5	*	29 SEP 1730	116	6.	.5	1345.4	*	29 SEP 2336	177	4.	.3	1345.3
29 SEP 1130	56	9.	.6	1345.5	*	29 SEP 1736	117	6.	.5	1345.4	*	29 SEP 2342	178	4.	.3	1345.3
29 SEP 1136	57	11.	.7	1345.6	*	29 SEP 1742	118	6.	.5	1345.4	*	29 SEP 2348	179	4.	.3	1345.3
29 SEP 1142	58	16.	.9	1345.8	*	29 SEP 1748	119	6.	.5	1345.4	*	29 SEP 2354	180	4.	.3	1345.3
29 SEP 1148	59	28.	1.3	1346.1	*	29 SEP 1754	120	6.	.4	1345.4	*	30 SEP 0000	181	4.	.3	1345.3
29 SEP 1154	60	47.	1.9	1346.6	*	29 SEP 1800	121	5.	.4	1345.4	*					
29 SEP 1200	61	71.	2.6	1347.1	*	29 SEP 1806	122	5.	.4	1345.4	*					

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
+ (CFS)	(HR)				
+ 106.	6.30		11.	11.	11.
	(CFS)	3.146	4.067	4.067	4.067
	(INCHES)	13.	17.	17.	17.
	(AC-FT)				
PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
+ (AC-FT)	(HR)	6-HR	24-HR	72-HR	18.00-HR
+ 3.	6.30	1.	1.	1.	1.
PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
+ (FEET)	(HR)	6-HR	24-HR	72-HR	18.00-HR
+ 1347.69	6.30	1345.95	1345.50	1345.50	1345.50

CUMULATIVE AREA = .08 SQ MI

*** **

* *
31 KK * 3 *

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 0754	20	.02	.01	.01	1.	*	29 SEP 1700	111	.02	.00	.01	1.
29 SEP 0800	21	.02	.01	.01	1.	*	29 SEP 1706	112	.02	.00	.01	1.
29 SEP 0806	22	.02	.01	.01	1.	*	29 SEP 1712	113	.02	.00	.01	1.
29 SEP 0812	23	.02	.01	.01	1.	*	29 SEP 1718	114	.02	.00	.01	1.
29 SEP 0818	24	.02	.01	.01	1.	*	29 SEP 1724	115	.02	.00	.01	1.
29 SEP 0824	25	.02	.01	.01	1.	*	29 SEP 1730	116	.02	.00	.01	1.
29 SEP 0830	26	.02	.01	.01	1.	*	29 SEP 1736	117	.01	.00	.01	1.
29 SEP 0836	27	.02	.01	.01	1.	*	29 SEP 1742	118	.01	.00	.01	1.
29 SEP 0842	28	.02	.01	.01	1.	*	29 SEP 1748	119	.01	.00	.01	1.
29 SEP 0848	29	.02	.01	.01	1.	*	29 SEP 1754	120	.01	.00	.01	1.
29 SEP 0854	30	.02	.01	.01	1.	*	29 SEP 1800	121	.01	.00	.01	1.
29 SEP 0900	31	.02	.01	.01	1.	*	29 SEP 1806	122	.02	.00	.01	1.
29 SEP 0906	32	.03	.02	.01	1.	*	29 SEP 1812	123	.02	.00	.01	1.
29 SEP 0912	33	.03	.02	.01	1.	*	29 SEP 1818	124	.02	.00	.01	1.
29 SEP 0918	34	.03	.02	.01	1.	*	29 SEP 1824	125	.02	.00	.01	1.
29 SEP 0924	35	.03	.02	.01	1.	*	29 SEP 1830	126	.02	.00	.01	1.
29 SEP 0930	36	.03	.02	.01	1.	*	29 SEP 1836	127	.02	.00	.01	1.
29 SEP 0936	37	.03	.02	.01	1.	*	29 SEP 1842	128	.02	.00	.01	1.
29 SEP 0942	38	.03	.02	.01	1.	*	29 SEP 1848	129	.02	.00	.01	1.
29 SEP 0948	39	.03	.02	.01	1.	*	29 SEP 1854	130	.02	.00	.01	1.
29 SEP 0954	40	.03	.02	.01	1.	*	29 SEP 1900	131	.02	.00	.01	1.
29 SEP 1000	41	.03	.02	.01	1.	*	29 SEP 1906	132	.02	.00	.01	1.
29 SEP 1006	42	.04	.02	.01	1.	*	29 SEP 1912	133	.02	.00	.01	1.
29 SEP 1012	43	.04	.02	.01	1.	*	29 SEP 1918	134	.02	.00	.01	1.
29 SEP 1018	44	.04	.02	.01	1.	*	29 SEP 1924	135	.02	.00	.01	1.
29 SEP 1024	45	.04	.02	.01	1.	*	29 SEP 1930	136	.02	.00	.01	1.
29 SEP 1030	46	.04	.02	.01	1.	*	29 SEP 1936	137	.02	.00	.01	1.
29 SEP 1036	47	.05	.03	.02	1.	*	29 SEP 1942	138	.02	.00	.01	1.
29 SEP 1042	48	.05	.03	.02	2.	*	29 SEP 1948	139	.02	.00	.01	1.
29 SEP 1048	49	.05	.03	.02	2.	*	29 SEP 1954	140	.02	.00	.01	1.
29 SEP 1054	50	.05	.03	.02	2.	*	29 SEP 2000	141	.02	.00	.01	1.
29 SEP 1100	51	.05	.03	.02	2.	*	29 SEP 2006	142	.01	.00	.01	1.
29 SEP 1106	52	.08	.05	.03	2.	*	29 SEP 2012	143	.01	.00	.01	1.
29 SEP 1112	53	.08	.05	.03	2.	*	29 SEP 2018	144	.01	.00	.01	1.
29 SEP 1118	54	.08	.05	.03	3.	*	29 SEP 2024	145	.01	.00	.01	1.
29 SEP 1124	55	.08	.05	.04	3.	*	29 SEP 2030	146	.01	.00	.01	1.
29 SEP 1130	56	.08	.04	.04	3.	*	29 SEP 2036	147	.01	.00	.01	1.
29 SEP 1136	57	.64	.32	.32	8.	*	29 SEP 2042	148	.01	.00	.01	1.
29 SEP 1142	58	.64	.27	.38	18.	*	29 SEP 2048	149	.01	.00	.01	1.
29 SEP 1148	59	.64	.23	.42	26.	*	29 SEP 2054	150	.01	.00	.01	1.
29 SEP 1154	60	.64	.20	.45	32.	*	29 SEP 2100	151	.01	.00	.01	1.
29 SEP 1200	61	.64	.17	.47	36.	*	29 SEP 2106	152	.01	.00	.01	1.
29 SEP 1206	62	.12	.03	.09	33.	*	29 SEP 2112	153	.01	.00	.01	1.
29 SEP 1212	63	.12	.03	.09	22.	*	29 SEP 2118	154	.01	.00	.01	1.
29 SEP 1218	64	.12	.03	.09	14.	*	29 SEP 2124	155	.01	.00	.01	1.
29 SEP 1224	65	.12	.03	.09	11.	*	29 SEP 2130	156	.01	.00	.01	1.
29 SEP 1230	66	.12	.03	.09	9.	*	29 SEP 2136	157	.01	.00	.01	1.
29 SEP 1236	67	.06	.01	.05	8.	*	29 SEP 2142	158	.01	.00	.01	1.
29 SEP 1242	68	.06	.01	.05	6.	*	29 SEP 2148	159	.01	.00	.01	1.
29 SEP 1248	69	.06	.01	.05	5.	*	29 SEP 2154	160	.01	.00	.01	1.
29 SEP 1254	70	.06	.01	.05	5.	*	29 SEP 2200	161	.01	.00	.01	1.
29 SEP 1300	71	.06	.01	.05	4.	*	29 SEP 2206	162	.01	.00	.01	1.
29 SEP 1306	72	.05	.01	.04	4.	*	29 SEP 2212	163	.01	.00	.01	1.
29 SEP 1312	73	.05	.01	.04	4.	*	29 SEP 2218	164	.01	.00	.01	1.
29 SEP 1318	74	.05	.01	.04	3.	*	29 SEP 2224	165	.01	.00	.01	1.
29 SEP 1324	75	.05	.01	.04	3.	*	29 SEP 2230	166	.01	.00	.01	1.
29 SEP 1330	76	.05	.01	.04	3.	*	29 SEP 2236	167	.01	.00	.01	1.
29 SEP 1336	77	.04	.01	.03	3.	*	29 SEP 2242	168	.01	.00	.01	1.
29 SEP 1342	78	.04	.01	.03	3.	*	29 SEP 2248	169	.01	.00	.01	1.
29 SEP 1348	79	.04	.01	.03	3.	*	29 SEP 2254	170	.01	.00	.01	1.
29 SEP 1354	80	.04	.01	.03	3.	*	29 SEP 2300	171	.01	.00	.01	1.
29 SEP 1400	81	.04	.01	.03	2.	*	29 SEP 2306	172	.01	.00	.01	1.
29 SEP 1406	82	.03	.00	.02	2.	*	29 SEP 2312	173	.01	.00	.01	1.
29 SEP 1412	83	.03	.00	.02	2.	*	29 SEP 2318	174	.01	.00	.01	1.
29 SEP 1418	84	.03	.00	.02	2.	*	29 SEP 2324	175	.01	.00	.01	1.
29 SEP 1424	85	.03	.00	.02	2.	*	29 SEP 2330	176	.01	.00	.01	1.
29 SEP 1430	86	.03	.00	.02	2.	*	29 SEP 2336	177	.01	.00	.01	1.
29 SEP 1436	87	.03	.00	.02	2.	*	29 SEP 2342	178	.01	.00	.01	1.
29 SEP 1442	88	.03	.00	.02	2.	*	29 SEP 2348	179	.01	.00	.01	1.
29 SEP 1448	89	.03	.00	.02	2.	*	29 SEP 2354	180	.01	.00	.01	1.
29 SEP 1454	90	.03	.00	.02	2.	*	30 SEP 0000	181	.01	.00	.01	1.
29 SEP 1500	91	.03	.00	.02	2.	*						

TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.79, TOTAL EXCESS = 5.01

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
+ (CFS)	(HR)				

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

PEAK FLOW + (CFS)	TIME (HR)	(CFS) (INCHES) (AC-FT)	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	18.00-HR
+ 127.	6.20	31. 3.245 16.	14. 4.204 20.	14. 4.204 20.	14. 4.204 20.	
CUMULATIVE AREA =			.09 SQ MI			

*** **

```

*****
*      *
42 KK * POND2 *
*      *
*****
    
```

HYDROGRAPH ROUTING DATA

43 RS	STORAGE ROUTING						
	NSTPS	1	NUMBER OF SUBREACHES				
	ITYP	ELEV	TYPE OF INITIAL CONDITION				
	RSVRIC	1341.00	INITIAL CONDITION				
	X	.00	WORKING R AND D COEFFICIENT				
44 SA	AREA	.9	.9	1.0	1.1	1.2	1.3
45 SE	ELEVATION	1341.00	1342.00	1343.00	1344.00	1345.00	1346.00
47 SS	SPILLWAY						
	CREL	1341.00	SPILLWAY CREST ELEVATION				
	SPWID	6.00	SPILLWAY WIDTH				
	COOW	3.00	WEIR COEFFICIENT				
	EXPW	1.50	EXPONENT OF HEAD				

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.90	1.87	2.92	4.06	5.28
ELEVATION	1341.00	1342.00	1343.00	1344.00	1345.00	1346.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.03	.28	.93	2.21	4.31	7.45	11.84	17.67
ELEVATION	1341.00	1341.00	1341.02	1341.06	1341.14	1341.25	1341.39	1341.56	1341.76	1341.99
OUTFLOW	25.16	34.51	45.93	59.63	75.81	94.69	116.46	141.34	169.53	201.25
ELEVATION	1342.25	1342.54	1342.87	1343.22	1343.61	1344.02	1344.47	1344.95	1345.46	1346.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.05	.12	.21	.34	.49	.67	.89	.90
OUTFLOW	.00	.03	.28	.93	2.21	4.31	7.45	11.84	17.67	18.00
ELEVATION	1341.00	1341.02	1341.06	1341.14	1341.25	1341.39	1341.56	1341.76	1341.99	1342.00
STORAGE	1.14	1.42	1.74	1.87	2.10	2.50	2.92	2.95	3.45	4.00
OUTFLOW	25.16	34.51	45.93	50.91	59.63	75.81	93.53	94.69	116.46	141.34
ELEVATION	1342.25	1342.54	1342.87	1343.00	1343.22	1343.61	1344.00	1344.02	1344.47	1344.95
STORAGE	4.06	4.61	5.28							
OUTFLOW	144.00	169.53	201.25							
ELEVATION	1345.00	1345.46	1346.00							

HYDROGRAPH AT STATION POND2

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
							*								*							

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 0600	1	0.	.0	1341.0	*	29 SEP 1206	62	65.	2.2	1343.4	*	29 SEP 1812	123	7.	.5	1341.5
29 SEP 0606	2	0.	.0	1341.0	*	29 SEP 1212	63	83.	2.7	1343.8	*	29 SEP 1818	124	7.	.5	1341.5
29 SEP 0612	3	0.	.0	1341.0	*	29 SEP 1218	64	95.	3.0	1344.0	*	29 SEP 1824	125	7.	.4	1341.5
29 SEP 0618	4	0.	.0	1341.0	*	29 SEP 1224	65	101.	3.1	1344.2	*	29 SEP 1830	126	7.	.4	1341.5
29 SEP 0624	5	0.	.0	1341.0	*	29 SEP 1230	66	102.	3.1	1344.2	*	29 SEP 1836	127	6.	.4	1341.5
29 SEP 0630	6	0.	.0	1341.0	*	29 SEP 1236	67	98.	3.0	1344.1	*	29 SEP 1842	128	6.	.4	1341.5
29 SEP 0636	7	0.	.0	1341.0	*	29 SEP 1242	68	93.	2.9	1344.0	*	29 SEP 1848	129	6.	.4	1341.5
29 SEP 0642	8	0.	.0	1341.0	*	29 SEP 1248	69	85.	2.7	1343.8	*	29 SEP 1854	130	6.	.4	1341.5
29 SEP 0648	9	0.	.0	1341.0	*	29 SEP 1254	70	78.	2.5	1343.7	*	29 SEP 1900	131	6.	.4	1341.5
29 SEP 0654	10	0.	.0	1341.1	*	29 SEP 1300	71	70.	2.4	1343.5	*	29 SEP 1906	132	6.	.4	1341.5
29 SEP 0700	11	0.	.1	1341.1	*	29 SEP 1306	72	63.	2.2	1343.3	*	29 SEP 1912	133	6.	.4	1341.5
29 SEP 0706	12	0.	.1	1341.1	*	29 SEP 1312	73	57.	2.0	1343.2	*	29 SEP 1918	134	6.	.4	1341.5
29 SEP 0712	13	1.	.1	1341.1	*	29 SEP 1318	74	51.	1.9	1343.0	*	29 SEP 1924	135	6.	.4	1341.5
29 SEP 0718	14	1.	.1	1341.1	*	29 SEP 1324	75	46.	1.7	1342.9	*	29 SEP 1930	136	6.	.4	1341.5
29 SEP 0724	15	1.	.1	1341.1	*	29 SEP 1330	76	42.	1.6	1342.8	*	29 SEP 1936	137	6.	.4	1341.5
29 SEP 0730	16	1.	.1	1341.1	*	29 SEP 1336	77	38.	1.5	1342.6	*	29 SEP 1942	138	6.	.4	1341.5
29 SEP 0736	17	1.	.1	1341.1	*	29 SEP 1342	78	35.	1.4	1342.6	*	29 SEP 1948	139	6.	.4	1341.5
29 SEP 0742	18	1.	.1	1341.2	*	29 SEP 1348	79	32.	1.3	1342.5	*	29 SEP 1954	140	6.	.4	1341.5
29 SEP 0748	19	1.	.1	1341.2	*	29 SEP 1354	80	30.	1.3	1342.4	*	29 SEP 2000	141	6.	.4	1341.5
29 SEP 0754	20	1.	.2	1341.2	*	29 SEP 1400	81	27.	1.2	1342.3	*	29 SEP 2006	142	6.	.4	1341.5
29 SEP 0800	21	2.	.2	1341.2	*	29 SEP 1406	82	25.	1.1	1342.3	*	29 SEP 2012	143	6.	.4	1341.5
29 SEP 0806	22	2.	.2	1341.2	*	29 SEP 1412	83	24.	1.1	1342.2	*	29 SEP 2018	144	6.	.4	1341.5
29 SEP 0812	23	2.	.2	1341.2	*	29 SEP 1418	84	22.	1.0	1342.1	*	29 SEP 2024	145	6.	.4	1341.5
29 SEP 0818	24	2.	.2	1341.2	*	29 SEP 1424	85	21.	1.0	1342.1	*	29 SEP 2030	146	6.	.4	1341.5
29 SEP 0824	25	2.	.2	1341.2	*	29 SEP 1430	86	19.	.9	1342.1	*	29 SEP 2036	147	6.	.4	1341.5
29 SEP 0830	26	2.	.2	1341.2	*	29 SEP 1436	87	18.	.9	1342.0	*	29 SEP 2042	148	6.	.4	1341.5
29 SEP 0836	27	2.	.2	1341.3	*	29 SEP 1442	88	17.	.9	1342.0	*	29 SEP 2048	149	6.	.4	1341.5
29 SEP 0842	28	2.	.2	1341.3	*	29 SEP 1448	89	16.	.8	1341.9	*	29 SEP 2054	150	6.	.4	1341.5
29 SEP 0848	29	3.	.2	1341.3	*	29 SEP 1454	90	16.	.8	1341.9	*	29 SEP 2100	151	6.	.4	1341.5
29 SEP 0854	30	3.	.2	1341.3	*	29 SEP 1500	91	15.	.8	1341.9	*	29 SEP 2106	152	5.	.4	1341.4
29 SEP 0900	31	3.	.3	1341.3	*	29 SEP 1506	92	14.	.8	1341.9	*	29 SEP 2112	153	5.	.4	1341.4
29 SEP 0906	32	3.	.3	1341.3	*	29 SEP 1512	93	14.	.7	1341.8	*	29 SEP 2118	154	5.	.4	1341.4
29 SEP 0912	33	3.	.3	1341.3	*	29 SEP 1518	94	13.	.7	1341.8	*	29 SEP 2124	155	5.	.4	1341.4
29 SEP 0918	34	3.	.3	1341.3	*	29 SEP 1524	95	13.	.7	1341.8	*	29 SEP 2130	156	5.	.4	1341.4
29 SEP 0924	35	3.	.3	1341.3	*	29 SEP 1530	96	12.	.7	1341.8	*	29 SEP 2136	157	5.	.4	1341.4
29 SEP 0930	36	4.	.3	1341.3	*	29 SEP 1536	97	12.	.7	1341.8	*	29 SEP 2142	158	5.	.4	1341.4
29 SEP 0936	37	4.	.3	1341.3	*	29 SEP 1542	98	12.	.7	1341.8	*	29 SEP 2148	159	5.	.4	1341.4
29 SEP 0942	38	4.	.3	1341.4	*	29 SEP 1548	99	12.	.7	1341.8	*	29 SEP 2154	160	5.	.4	1341.4
29 SEP 0948	39	4.	.3	1341.4	*	29 SEP 1554	100	12.	.7	1341.7	*	29 SEP 2200	161	5.	.4	1341.4
29 SEP 0954	40	4.	.3	1341.4	*	29 SEP 1600	101	11.	.7	1341.7	*	29 SEP 2206	162	5.	.4	1341.4
29 SEP 1000	41	4.	.3	1341.4	*	29 SEP 1606	102	11.	.6	1341.7	*	29 SEP 2212	163	5.	.4	1341.4
29 SEP 1006	42	4.	.3	1341.4	*	29 SEP 1612	103	11.	.6	1341.7	*	29 SEP 2218	164	5.	.4	1341.4
29 SEP 1012	43	5.	.3	1341.4	*	29 SEP 1618	104	11.	.6	1341.7	*	29 SEP 2224	165	5.	.4	1341.4
29 SEP 1018	44	5.	.4	1341.4	*	29 SEP 1624	105	11.	.6	1341.7	*	29 SEP 2230	166	5.	.3	1341.4
29 SEP 1024	45	5.	.4	1341.4	*	29 SEP 1630	106	10.	.6	1341.7	*	29 SEP 2236	167	5.	.3	1341.4
29 SEP 1030	46	5.	.4	1341.4	*	29 SEP 1636	107	10.	.6	1341.7	*	29 SEP 2242	168	5.	.3	1341.4
29 SEP 1036	47	5.	.4	1341.4	*	29 SEP 1642	108	10.	.6	1341.7	*	29 SEP 2248	169	4.	.3	1341.4
29 SEP 1042	48	6.	.4	1341.5	*	29 SEP 1648	109	10.	.6	1341.7	*	29 SEP 2254	170	4.	.3	1341.4
29 SEP 1048	49	6.	.4	1341.5	*	29 SEP 1654	110	9.	.6	1341.6	*	29 SEP 2300	171	4.	.3	1341.4
29 SEP 1054	50	6.	.4	1341.5	*	29 SEP 1700	111	9.	.6	1341.6	*	29 SEP 2306	172	4.	.3	1341.4
29 SEP 1100	51	6.	.4	1341.5	*	29 SEP 1706	112	9.	.6	1341.6	*	29 SEP 2312	173	4.	.3	1341.4
29 SEP 1106	52	7.	.4	1341.5	*	29 SEP 1712	113	9.	.5	1341.6	*	29 SEP 2318	174	4.	.3	1341.4
29 SEP 1112	53	7.	.5	1341.5	*	29 SEP 1718	114	9.	.5	1341.6	*	29 SEP 2324	175	4.	.3	1341.4
29 SEP 1118	54	7.	.5	1341.6	*	29 SEP 1724	115	8.	.5	1341.6	*	29 SEP 2330	176	4.	.3	1341.4
29 SEP 1124	55	8.	.5	1341.6	*	29 SEP 1730	116	8.	.5	1341.6	*	29 SEP 2336	177	4.	.3	1341.4
29 SEP 1130	56	9.	.5	1341.6	*	29 SEP 1736	117	8.	.5	1341.6	*	29 SEP 2342	178	4.	.3	1341.4
29 SEP 1136	57	10.	.6	1341.7	*	29 SEP 1742	118	8.	.5	1341.6	*	29 SEP 2348	179	4.	.3	1341.4
29 SEP 1142	58	13.	.7	1341.8	*	29 SEP 1748	119	8.	.5	1341.6	*	29 SEP 2354	180	4.	.3	1341.4
29 SEP 1148	59	19.	.9	1342.0	*	29 SEP 1754	120	7.	.5	1341.6	*	30 SEP 0000	181	4.	.3	1341.4
29 SEP 1154	60	30.	1.3	1342.4	*	29 SEP 1800	121	7.	.5	1341.5	*					
29 SEP 1200	61	46.	1.7	1342.9	*	29 SEP 1806	122	7.	.5	1341.5	*					

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
+ (CFS)	(HR)				
+ 102.	6.50	31.	13.	13.	13.
	(INCHES)	3.230	4.133	4.133	4.133
	(AC-FT)	16.	20.	20.	20.
PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	18.00-HR
+ (AC-FT)	(HR)				
+ 3.	6.50	1.	1.	1.	1.
PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	18.00-HR
+ (FEET)	(HR)				

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 0630	6	.02	.01	.01	4.	*	29 SEP 1536	97	.03	.00	.02	18.
29 SEP 0636	7	.02	.01	.01	5.	*	29 SEP 1542	98	.03	.00	.02	18.
29 SEP 0642	8	.02	.01	.01	5.	*	29 SEP 1548	99	.03	.00	.02	18.
29 SEP 0648	9	.02	.01	.01	5.	*	29 SEP 1554	100	.03	.00	.02	18.
29 SEP 0654	10	.02	.01	.01	5.	*	29 SEP 1600	101	.03	.00	.02	18.
29 SEP 0700	11	.02	.01	.01	5.	*	29 SEP 1606	102	.02	.00	.02	17.
29 SEP 0706	12	.02	.01	.01	5.	*	29 SEP 1612	103	.02	.00	.02	16.
29 SEP 0712	13	.02	.01	.01	5.	*	29 SEP 1618	104	.02	.00	.02	14.
29 SEP 0718	14	.02	.01	.01	5.	*	29 SEP 1624	105	.02	.00	.02	13.
29 SEP 0724	15	.02	.01	.01	5.	*	29 SEP 1630	106	.02	.00	.02	13.
29 SEP 0730	16	.02	.01	.01	5.	*	29 SEP 1636	107	.02	.00	.02	12.
29 SEP 0736	17	.02	.01	.01	5.	*	29 SEP 1642	108	.02	.00	.02	12.
29 SEP 0742	18	.02	.01	.01	5.	*	29 SEP 1648	109	.02	.00	.02	12.
29 SEP 0748	19	.02	.01	.01	5.	*	29 SEP 1654	110	.02	.00	.02	12.
29 SEP 0754	20	.02	.01	.01	5.	*	29 SEP 1700	111	.02	.00	.02	12.
29 SEP 0800	21	.02	.01	.01	5.	*	29 SEP 1706	112	.02	.00	.02	12.
29 SEP 0806	22	.02	.01	.01	5.	*	29 SEP 1712	113	.02	.00	.02	12.
29 SEP 0812	23	.02	.01	.01	5.	*	29 SEP 1718	114	.02	.00	.02	12.
29 SEP 0818	24	.02	.01	.01	6.	*	29 SEP 1724	115	.02	.00	.02	12.
29 SEP 0824	25	.02	.01	.01	6.	*	29 SEP 1730	116	.02	.00	.02	12.
29 SEP 0830	26	.02	.01	.01	6.	*	29 SEP 1736	117	.01	.00	.01	11.
29 SEP 0836	27	.02	.01	.01	6.	*	29 SEP 1742	118	.01	.00	.01	11.
29 SEP 0842	28	.02	.01	.01	7.	*	29 SEP 1748	119	.01	.00	.01	9.
29 SEP 0848	29	.02	.01	.01	7.	*	29 SEP 1754	120	.01	.00	.01	8.
29 SEP 0854	30	.02	.01	.01	7.	*	29 SEP 1800	121	.01	.00	.01	8.
29 SEP 0900	31	.02	.01	.01	7.	*	29 SEP 1806	122	.02	.00	.01	8.
29 SEP 0906	32	.03	.02	.01	7.	*	29 SEP 1812	123	.02	.00	.01	8.
29 SEP 0912	33	.03	.02	.01	7.	*	29 SEP 1818	124	.02	.00	.01	9.
29 SEP 0918	34	.03	.02	.01	7.	*	29 SEP 1824	125	.02	.00	.01	10.
29 SEP 0924	35	.03	.02	.01	8.	*	29 SEP 1830	126	.02	.00	.01	10.
29 SEP 0930	36	.03	.02	.01	8.	*	29 SEP 1836	127	.02	.00	.01	10.
29 SEP 0936	37	.03	.02	.01	8.	*	29 SEP 1842	128	.02	.00	.01	10.
29 SEP 0942	38	.03	.02	.01	8.	*	29 SEP 1848	129	.02	.00	.01	11.
29 SEP 0948	39	.03	.02	.01	8.	*	29 SEP 1854	130	.02	.00	.01	11.
29 SEP 0954	40	.03	.02	.01	9.	*	29 SEP 1900	131	.02	.00	.01	11.
29 SEP 1000	41	.03	.02	.01	9.	*	29 SEP 1906	132	.02	.00	.01	11.
29 SEP 1006	42	.04	.02	.02	9.	*	29 SEP 1912	133	.02	.00	.01	11.
29 SEP 1012	43	.04	.02	.02	10.	*	29 SEP 1918	134	.02	.00	.01	11.
29 SEP 1018	44	.04	.02	.02	11.	*	29 SEP 1924	135	.02	.00	.01	11.
29 SEP 1024	45	.04	.02	.02	11.	*	29 SEP 1930	136	.02	.00	.01	11.
29 SEP 1030	46	.04	.02	.02	12.	*	29 SEP 1936	137	.02	.00	.01	11.
29 SEP 1036	47	.05	.03	.02	13.	*	29 SEP 1942	138	.02	.00	.01	11.
29 SEP 1042	48	.05	.03	.02	14.	*	29 SEP 1948	139	.02	.00	.01	11.
29 SEP 1048	49	.05	.03	.03	16.	*	29 SEP 1954	140	.02	.00	.01	11.
29 SEP 1054	50	.05	.03	.03	17.	*	29 SEP 2000	141	.02	.00	.01	11.
29 SEP 1100	51	.05	.03	.03	18.	*	29 SEP 2006	142	.01	.00	.01	10.
29 SEP 1106	52	.08	.04	.04	20.	*	29 SEP 2012	143	.01	.00	.01	10.
29 SEP 1112	53	.08	.04	.04	23.	*	29 SEP 2018	144	.01	.00	.01	9.
29 SEP 1118	54	.08	.04	.04	27.	*	29 SEP 2024	145	.01	.00	.01	8.
29 SEP 1124	55	.08	.04	.05	30.	*	29 SEP 2030	146	.01	.00	.01	8.
29 SEP 1130	56	.08	.03	.05	32.	*	29 SEP 2036	147	.01	.00	.01	7.
29 SEP 1136	57	.64	.24	.41	51.	*	29 SEP 2042	148	.01	.00	.01	7.
29 SEP 1142	58	.64	.19	.46	112.	*	29 SEP 2048	149	.01	.00	.01	7.
29 SEP 1148	59	.64	.15	.49	194.	*	29 SEP 2054	150	.01	.00	.01	7.
29 SEP 1154	60	.64	.13	.52	268.	*	29 SEP 2100	151	.01	.00	.01	7.
29 SEP 1200	61	.64	.11	.54	320.	*	29 SEP 2106	152	.01	.00	.01	7.
29 SEP 1206	62	.12	.02	.10	335.	*	29 SEP 2112	153	.01	.00	.01	7.
29 SEP 1212	63	.12	.02	.10	290.	*	29 SEP 2118	154	.01	.00	.01	7.
29 SEP 1218	64	.12	.02	.10	219.	*	29 SEP 2124	155	.01	.00	.01	7.
29 SEP 1224	65	.12	.02	.11	159.	*	29 SEP 2130	156	.01	.00	.01	7.
29 SEP 1230	66	.12	.02	.11	125.	*	29 SEP 2136	157	.01	.00	.01	7.
29 SEP 1236	67	.06	.01	.05	104.	*	29 SEP 2142	158	.01	.00	.01	7.
29 SEP 1242	68	.06	.01	.05	85.	*	29 SEP 2148	159	.01	.00	.01	7.
29 SEP 1248	69	.06	.01	.05	69.	*	29 SEP 2154	160	.01	.00	.01	7.
29 SEP 1254	70	.06	.01	.05	57.	*	29 SEP 2200	161	.01	.00	.01	7.
29 SEP 1300	71	.06	.01	.05	51.	*	29 SEP 2206	162	.01	.00	.01	7.
29 SEP 1306	72	.05	.01	.04	46.	*	29 SEP 2212	163	.01	.00	.01	7.
29 SEP 1312	73	.05	.01	.04	42.	*	29 SEP 2218	164	.01	.00	.01	7.
29 SEP 1318	74	.05	.01	.04	37.	*	29 SEP 2224	165	.01	.00	.01	7.
29 SEP 1324	75	.05	.01	.04	35.	*	29 SEP 2230	166	.01	.00	.01	7.
29 SEP 1330	76	.05	.01	.04	33.	*	29 SEP 2236	167	.01	.00	.01	7.
29 SEP 1336	77	.04	.00	.03	32.	*	29 SEP 2242	168	.01	.00	.01	7.
29 SEP 1342	78	.04	.00	.03	30.	*	29 SEP 2248	169	.01	.00	.01	7.
29 SEP 1348	79	.04	.00	.03	28.	*	29 SEP 2254	170	.01	.00	.01	7.
29 SEP 1354	80	.04	.00	.03	26.	*	29 SEP 2300	171	.01	.00	.01	7.
29 SEP 1400	81	.04	.00	.03	25.	*	29 SEP 2306	172	.01	.00	.01	7.
29 SEP 1406	82	.03	.00	.02	24.	*	29 SEP 2312	173	.01	.00	.01	7.
29 SEP 1412	83	.03	.00	.02	23.	*	29 SEP 2318	174	.01	.00	.01	7.
29 SEP 1418	84	.03	.00	.02	21.	*	29 SEP 2324	175	.01	.00	.01	7.
29 SEP 1424	85	.03	.00	.02	19.	*	29 SEP 2330	176	.01	.00	.01	7.

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 1430	86	.03	.00	.02	19.	*	29 SEP 2336	177	.01	.00	.01	7.
29 SEP 1436	87	.03	.00	.02	18.	*	29 SEP 2342	178	.01	.00	.01	7.
29 SEP 1442	88	.03	.00	.02	18.	*	29 SEP 2348	179	.01	.00	.01	7.
29 SEP 1448	89	.03	.00	.02	18.	*	29 SEP 2354	180	.01	.00	.01	7.
29 SEP 1454	90	.03	.00	.02	18.	*	30 SEP 0000	181	.01	.00	.01	7.
29 SEP 1500	91	.03	.00	.02	18.	*						

TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.10, TOTAL EXCESS = 5.70

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
335.	6.10	57.	24.	24.	24.
		(INCHES)	4.443	5.665	5.665
		(AC-FT)	28.	36.	36.

CUMULATIVE AREA = .12 SQ MI

*** **

```

*****
*
57 KK * 1234 *
*
*****
    
```

58 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION 1234 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
29	SEP	0600	1	0.	*	29	SEP	1036	47	18.	*	29	SEP	1512	93	31.	*	29	SEP	1948	139	17.	*
29	SEP	0606	2	0.	*	29	SEP	1042	48	20.	*	29	SEP	1518	94	31.	*	29	SEP	1954	140	17.	*
29	SEP	0612	3	1.	*	29	SEP	1048	49	22.	*	29	SEP	1524	95	30.	*	29	SEP	2000	141	17.	*
29	SEP	0618	4	3.	*	29	SEP	1054	50	23.	*	29	SEP	1530	96	30.	*	29	SEP	2006	142	17.	*
29	SEP	0624	5	4.	*	29	SEP	1100	51	25.	*	29	SEP	1536	97	30.	*	29	SEP	2012	143	16.	*
29	SEP	0630	6	4.	*	29	SEP	1106	52	26.	*	29	SEP	1542	98	29.	*	29	SEP	2018	144	15.	*
29	SEP	0636	7	5.	*	29	SEP	1112	53	30.	*	29	SEP	1548	99	29.	*	29	SEP	2024	145	14.	*
29	SEP	0642	8	5.	*	29	SEP	1118	54	34.	*	29	SEP	1554	100	29.	*	29	SEP	2030	146	14.	*
29	SEP	0648	9	5.	*	29	SEP	1124	55	38.	*	29	SEP	1600	101	29.	*	29	SEP	2036	147	13.	*
29	SEP	0654	10	5.	*	29	SEP	1130	56	41.	*	29	SEP	1606	102	28.	*	29	SEP	2042	148	13.	*
29	SEP	0700	11	5.	*	29	SEP	1136	57	61.	*	29	SEP	1612	103	27.	*	29	SEP	2048	149	13.	*
29	SEP	0706	12	5.	*	29	SEP	1142	58	125.	*	29	SEP	1618	104	25.	*	29	SEP	2054	150	13.	*
29	SEP	0712	13	5.	*	29	SEP	1148	59	213.	*	29	SEP	1624	105	24.	*	29	SEP	2100	151	13.	*
29	SEP	0718	14	6.	*	29	SEP	1154	60	298.	*	29	SEP	1630	106	23.	*	29	SEP	2106	152	13.	*
29	SEP	0724	15	6.	*	29	SEP	1200	61	366.	*	29	SEP	1636	107	22.	*	29	SEP	2112	153	13.	*
29	SEP	0730	16	6.	*	29	SEP	1206	62	401.	*	29	SEP	1642	108	22.	*	29	SEP	2118	154	12.	*
29	SEP	0736	17	6.	*	29	SEP	1212	63	373.	*	29	SEP	1648	109	22.	*	29	SEP	2124	155	12.	*
29	SEP	0742	18	6.	*	29	SEP	1218	64	314.	*	29	SEP	1654	110	21.	*	29	SEP	2130	156	12.	*
29	SEP	0748	19	6.	*	29	SEP	1224	65	260.	*	29	SEP	1700	111	21.	*	29	SEP	2136	157	12.	*
29	SEP	0754	20	6.	*	29	SEP	1230	66	227.	*	29	SEP	1706	112	21.	*	29	SEP	2142	158	12.	*
29	SEP	0800	21	7.	*	29	SEP	1236	67	202.	*	29	SEP	1712	113	20.	*	29	SEP	2148	159	12.	*
29	SEP	0806	22	7.	*	29	SEP	1242	68	178.	*	29	SEP	1718	114	20.	*	29	SEP	2154	160	12.	*
29	SEP	0812	23	7.	*	29	SEP	1248	69	154.	*	29	SEP	1724	115	20.	*	29	SEP	2200	161	12.	*
29	SEP	0818	24	8.	*	29	SEP	1254	70	135.	*	29	SEP	1730	116	20.	*	29	SEP	2206	162	12.	*
29	SEP	0824	25	8.	*	29	SEP	1300	71	121.	*	29	SEP	1736	117	20.	*	29	SEP	2212	163	12.	*
29	SEP	0830	26	8.	*	29	SEP	1306	72	109.	*	29	SEP	1742	118	18.	*	29	SEP	2218	164	12.	*
29	SEP	0836	27	9.	*	29	SEP	1312	73	99.	*	29	SEP	1748	119	17.	*	29	SEP	2224	165	12.	*
29	SEP	0842	28	9.	*	29	SEP	1318	74	89.	*	29	SEP	1754	120	16.	*	29	SEP	2230	166	12.	*
29	SEP	0848	29	9.	*	29	SEP	1324	75	81.	*	29	SEP	1800	121	15.	*	29	SEP	2236	167	12.	*
29	SEP	0854	30	10.	*	29	SEP	1330	76	75.	*	29	SEP	1806	122	15.	*	29	SEP	2242	168	12.	*
29	SEP	0900	31	10.	*	29	SEP	1336	77	70.	*	29	SEP	1812	123	15.	*	29	SEP	2248	169	12.	*
29	SEP	0906	32	10.	*	29	SEP	1342	78	65.	*	29	SEP	1818	124	16.	*	29	SEP	2254	170	12.	*
29	SEP	0912	33	10.	*	29	SEP	1348	79	60.	*	29	SEP	1824	125	16.	*	29	SEP	2300	171	12.	*

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

29 SEP 0918	34	11.	*	29 SEP 1354	80	56.	*	29 SEP 1830	126	17.	*	29 SEP 2306	172	12.
29 SEP 0924	35	11.	*	29 SEP 1400	81	53.	*	29 SEP 1836	127	17.	*	29 SEP 2312	173	12.
29 SEP 0930	36	11.	*	29 SEP 1406	82	50.	*	29 SEP 1842	128	17.	*	29 SEP 2318	174	12.
29 SEP 0936	37	12.	*	29 SEP 1412	83	46.	*	29 SEP 1848	129	17.	*	29 SEP 2324	175	12.
29 SEP 0942	38	12.	*	29 SEP 1418	84	43.	*	29 SEP 1854	130	17.	*	29 SEP 2330	176	12.
29 SEP 0948	39	12.	*	29 SEP 1424	85	40.	*	29 SEP 1900	131	17.	*	29 SEP 2336	177	12.
29 SEP 0954	40	13.	*	29 SEP 1430	86	38.	*	29 SEP 1906	132	17.	*	29 SEP 2342	178	12.
29 SEP 1000	41	13.	*	29 SEP 1436	87	36.	*	29 SEP 1912	133	17.	*	29 SEP 2348	179	12.
29 SEP 1006	42	13.	*	29 SEP 1442	88	35.	*	29 SEP 1918	134	17.	*	29 SEP 2354	180	12.
29 SEP 1012	43	14.	*	29 SEP 1448	89	34.	*	29 SEP 1924	135	17.	*	30 SEP 0000	181	12.
29 SEP 1018	44	15.	*	29 SEP 1454	90	33.	*	29 SEP 1930	136	17.	*			
29 SEP 1024	45	16.	*	29 SEP 1500	91	32.	*	29 SEP 1936	137	17.	*			
29 SEP 1030	46	17.	*	29 SEP 1506	92	32.	*	29 SEP 1942	138	17.	*			

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
401.	6.10	88.	38.	38.	38.	
		(INCHES)	3.908	5.007	5.007	5.007
		(AC-FT)	44.	56.	56.	56.

CUMULATIVE AREA = .21 SQ MI

*** **

* *
59 KK * POND3 *
* *

HYDROGRAPH ROUTING DATA

60 RS	STORAGE ROUTING						
	NSTPS	1	NUMBER OF SUBREACHES				
	ITYP	ELEV	TYPE OF INITIAL CONDITION				
	RSVRIC	1335.00	INITIAL CONDITION				
	X	.00	WORKING R AND D COEFFICIENT				
61 SA	AREA	6.4	6.9	7.4	7.9	8.5	9.0
62 SE	ELEVATION	1335.00	1336.00	1337.00	1338.00	1339.00	1340.00
64 SS	SPILLWAY						
	CREL	1335.00	SPILLWAY CREST ELEVATION				
	SPWID	5.00	SPILLWAY WIDTH				
	COQW	3.00	WEIR COEFFICIENT				
	EXPW	1.50	EXPONENT OF HEAD				

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	6.65	13.82	21.49	29.68	38.41
ELEVATION	1335.00	1336.00	1337.00	1338.00	1339.00	1340.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.03	.23	.78	1.84	3.59	6.21	9.86	14.72
ELEVATION	1335.00	1335.00	1335.02	1335.06	1335.14	1335.25	1335.39	1335.56	1335.76	1335.99
OUTFLOW	20.96	28.76	38.28	49.69	63.18	78.91	97.05	117.78	141.28	167.71
ELEVATION	1336.25	1336.54	1336.87	1337.22	1337.61	1338.02	1338.47	1338.95	1339.46	1340.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.10	.40	.89	1.60	2.51	3.63	4.98	6.57	6.65
OUTFLOW	.00	.03	.23	.78	1.84	3.59	6.21	9.86	14.72	15.00
ELEVATION	1335.00	1335.02	1335.06	1335.14	1335.25	1335.39	1335.56	1335.76	1335.99	1336.00
STORAGE	8.40	10.48	12.84	13.82	15.48	18.42	21.49	21.69	25.29	29.27
OUTFLOW	20.96	28.76	38.28	42.43	49.69	63.18	77.94	78.91	97.05	117.78

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

ELEVATION	1336.25	1336.54	1336.87	1337.00	1337.22	1337.61	1338.00	1338.02	1338.47	1338.95
STORAGE	29.68	33.63	38.41							
OUTFLOW	120.00	141.28	167.71							
ELEVATION	1339.00	1339.46	1340.00							

HYDROGRAPH AT STATION POND3

				*								*											
DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	
29	SEP	0600	1	0.	.0	1335.0	*	29	SEP	1206	62	43.	14.0	1337.0	*	29	SEP	1812	123	38.	12.7	1336.8	
29	SEP	0606	2	0.	.0	1335.0	*	29	SEP	1212	63	56.	16.8	1337.4	*	29	SEP	1818	124	37.	12.5	1336.8	
29	SEP	0612	3	0.	.0	1335.0	*	29	SEP	1218	64	66.	19.1	1337.7	*	29	SEP	1824	125	36.	12.4	1336.8	
29	SEP	0618	4	0.	.0	1335.0	*	29	SEP	1224	65	75.	20.9	1337.9	*	29	SEP	1830	126	36.	12.2	1336.8	
29	SEP	0624	5	0.	.1	1335.0	*	29	SEP	1230	66	82.	22.3	1338.1	*	29	SEP	1836	127	35.	12.0	1336.8	
29	SEP	0630	6	0.	.1	1335.0	*	29	SEP	1236	67	87.	23.3	1338.2	*	29	SEP	1842	128	34.	11.9	1336.7	
29	SEP	0636	7	0.	.1	1335.0	*	29	SEP	1242	68	91.	24.2	1338.3	*	29	SEP	1848	129	34.	11.7	1336.7	
29	SEP	0642	8	0.	.2	1335.0	*	29	SEP	1248	69	94.	24.8	1338.4	*	29	SEP	1854	130	33.	11.6	1336.7	
29	SEP	0648	9	0.	.2	1335.0	*	29	SEP	1254	70	96.	25.2	1338.5	*	29	SEP	1900	131	33.	11.5	1336.7	
29	SEP	0654	10	0.	.2	1335.0	*	29	SEP	1300	71	98.	25.4	1338.5	*	29	SEP	1906	132	32.	11.3	1336.7	
29	SEP	0700	11	0.	.3	1335.0	*	29	SEP	1306	72	98.	25.6	1338.5	*	29	SEP	1912	133	32.	11.2	1336.6	
29	SEP	0706	12	0.	.3	1335.1	*	29	SEP	1312	73	99.	25.6	1338.5	*	29	SEP	1918	134	31.	11.1	1336.6	
29	SEP	0712	13	0.	.4	1335.1	*	29	SEP	1318	74	99.	25.6	1338.5	*	29	SEP	1924	135	31.	11.0	1336.6	
29	SEP	0718	14	0.	.4	1335.1	*	29	SEP	1324	75	98.	25.5	1338.5	*	29	SEP	1930	136	30.	10.9	1336.6	
29	SEP	0724	15	0.	.5	1335.1	*	29	SEP	1330	76	97.	25.3	1338.5	*	29	SEP	1936	137	30.	10.8	1336.6	
29	SEP	0730	16	0.	.5	1335.1	*	29	SEP	1336	77	96.	25.1	1338.4	*	29	SEP	1942	138	29.	10.7	1336.6	
29	SEP	0736	17	0.	.5	1335.1	*	29	SEP	1342	78	95.	24.9	1338.4	*	29	SEP	1948	139	29.	10.6	1336.6	
29	SEP	0742	18	0.	.6	1335.1	*	29	SEP	1348	79	94.	24.6	1338.4	*	29	SEP	1954	140	29.	10.5	1336.5	
29	SEP	0748	19	0.	.6	1335.1	*	29	SEP	1354	80	92.	24.3	1338.4	*	29	SEP	2000	141	28.	10.4	1336.5	
29	SEP	0754	20	1.	.7	1335.1	*	29	SEP	1400	81	91.	24.0	1338.3	*	29	SEP	2006	142	28.	10.3	1336.5	
29	SEP	0800	21	1.	.7	1335.1	*	29	SEP	1406	82	89.	23.7	1338.3	*	29	SEP	2012	143	28.	10.2	1336.5	
29	SEP	0806	22	1.	.8	1335.1	*	29	SEP	1412	83	87.	23.4	1338.2	*	29	SEP	2018	144	27.	10.1	1336.5	
29	SEP	0812	23	1.	.8	1335.1	*	29	SEP	1418	84	86.	23.0	1338.2	*	29	SEP	2024	145	27.	10.0	1336.5	
29	SEP	0818	24	1.	.9	1335.1	*	29	SEP	1424	85	84.	22.7	1338.1	*	29	SEP	2030	146	26.	9.9	1336.5	
29	SEP	0824	25	1.	.9	1335.1	*	29	SEP	1430	86	82.	22.3	1338.1	*	29	SEP	2036	147	26.	9.8	1336.4	
29	SEP	0830	26	1.	1.0	1335.2	*	29	SEP	1436	87	80.	21.9	1338.1	*	29	SEP	2042	148	26.	9.7	1336.4	
29	SEP	0836	27	1.	1.1	1335.2	*	29	SEP	1442	88	78.	21.6	1338.0	*	29	SEP	2048	149	25.	9.6	1336.4	
29	SEP	0842	28	1.	1.1	1335.2	*	29	SEP	1448	89	77.	21.2	1338.0	*	29	SEP	2054	150	25.	9.5	1336.4	
29	SEP	0848	29	1.	1.2	1335.2	*	29	SEP	1454	90	75.	20.9	1337.9	*	29	SEP	2100	151	25.	9.4	1336.4	
29	SEP	0854	30	1.	1.3	1335.2	*	29	SEP	1500	91	73.	20.5	1337.9	*	29	SEP	2106	152	24.	9.3	1336.4	
29	SEP	0900	31	1.	1.3	1335.2	*	29	SEP	1506	92	72.	20.2	1337.8	*	29	SEP	2112	153	24.	9.2	1336.4	
29	SEP	0906	32	2.	1.4	1335.2	*	29	SEP	1512	93	70.	19.9	1337.8	*	29	SEP	2118	154	23.	9.1	1336.3	
29	SEP	0912	33	2.	1.5	1335.2	*	29	SEP	1518	94	69.	19.5	1337.8	*	29	SEP	2124	155	23.	9.0	1336.3	
29	SEP	0918	34	2.	1.6	1335.2	*	29	SEP	1524	95	67.	19.2	1337.7	*	29	SEP	2130	156	23.	8.9	1336.3	
29	SEP	0924	35	2.	1.6	1335.3	*	29	SEP	1530	96	66.	18.9	1337.7	*	29	SEP	2136	157	23.	8.8	1336.3	
29	SEP	0930	36	2.	1.7	1335.3	*	29	SEP	1536	97	64.	18.7	1337.6	*	29	SEP	2142	158	22.	8.7	1336.3	
29	SEP	0936	37	2.	1.8	1335.3	*	29	SEP	1542	98	63.	18.4	1337.6	*	29	SEP	2148	159	22.	8.6	1336.3	
29	SEP	0942	38	2.	1.9	1335.3	*	29	SEP	1548	99	62.	18.1	1337.6	*	29	SEP	2154	160	22.	8.6	1336.3	
29	SEP	0948	39	3.	1.9	1335.3	*	29	SEP	1554	100	60.	17.8	1337.5	*	29	SEP	2200	161	21.	8.5	1336.3	
29	SEP	0954	40	3.	2.0	1335.3	*	29	SEP	1600	101	59.	17.6	1337.5	*	29	SEP	2206	162	21.	8.4	1336.3	
29	SEP	1000	41	3.	2.1	1335.3	*	29	SEP	1606	102	58.	17.3	1337.5	*	29	SEP	2212	163	21.	8.3	1336.2	
29	SEP	1006	42	3.	2.2	1335.3	*	29	SEP	1612	103	57.	17.1	1337.4	*	29	SEP	2218	164	20.	8.3	1336.2	
29	SEP	1012	43	3.	2.3	1335.4	*	29	SEP	1618	104	56.	16.8	1337.4	*	29	SEP	2224	165	20.	8.2	1336.2	
29	SEP	1018	44	3.	2.4	1335.4	*	29	SEP	1624	105	55.	16.6	1337.4	*	29	SEP	2230	166	20.	8.1	1336.2	
29	SEP	1024	45	4.	2.5	1335.4	*	29	SEP	1630	106	54.	16.3	1337.3	*	29	SEP	2236	167	20.	8.1	1336.2	
29	SEP	1030	46	4.	2.6	1335.4	*	29	SEP	1636	107	52.	16.1	1337.3	*	29	SEP	2242	168	20.	8.0	1336.2	
29	SEP	1036	47	4.	2.7	1335.4	*	29	SEP	1642	108	51.	15.8	1337.3	*	29	SEP	2248	169	19.	7.9	1336.2	
29	SEP	1042	48	4.	2.8	1335.4	*	29	SEP	1648	109	50.	15.6	1337.2	*	29	SEP	2254	170	19.	7.9	1336.2	
29	SEP	1048	49	5.	3.0	1335.5	*	29	SEP	1654	110	49.	15.4	1337.2	*	29	SEP	2300	171	19.	7.8	1336.2	
29	SEP	1054	50	5.	3.1	1335.5	*	29	SEP	1700	111	48.	15.1	1337.2	*	29	SEP	2306	172	19.	7.7	1336.2	
29	SEP	1100	51	5.	3.3	1335.5	*	29	SEP	1706	112	47.	14.9	1337.1	*	29	SEP	2312	173	19.	7.7	1336.1	
29	SEP	1106	52	6.	3.4	1335.5	*	29	SEP	1712	113	46.	14.7	1337.1	*	29	SEP	2318	174	18.	7.6	1336.1	
29	SEP	1112	53	6.	3.6	1335.6	*	29	SEP	1718	114	45.	14.5	1337.1	*	29	SEP	2324	175	18.	7.6	1336.1	
29	SEP	1118	54	7.	3.8	1335.6	*	29	SEP	1724	115	44.	14.3	1337.1	*	29	SEP	2330	176	18.	7.5	1336.1	
29	SEP	1124	55	7.	4.1	1335.6	*	29	SEP	1730	116	44.	14.1	1337.0	*	29	SEP	2336	177	18.	7.5	1336.1	
29	SEP	1130	56	8.	4.3	1335.7	*	29	SEP	1736	117	43.	13.9	1337.0	*	29	SEP	2342	178	18.	7.4	1336.1	
29	SEP	1136	57	9.	4.7	1335.7	*	29	SEP	1742	118	42.	13.7	1337.0	*	29	SEP	2348	179	17.	7.4	1336.1	
29	SEP	1142	58	11.	5.4	1335.8	*	29	SEP	1748	119	41.	13.5	1337.0	*	29	SEP	2354	180	17.	7.3	1336.1	
29	SEP	1148	59	15.	6.6	1336.0	*	29	SEP	1754	120	40.	13.3	1336.9	*	30	SEP	0000	181	17.	7.3	1336.1	
29	SEP	1154	60	22.	8.6	1336.3	*	29	SEP	1800	121	39.	13.1	1336.9	*								
29	SEP	1200	61	31.	11.1	1336.6	*	29	SEP	1806	122	39.	12.9	1336.9	*								

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW
		6-HR	24-HR
			72-HR
			18.00-HR

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

+	(CFS)	(HR)				
+	99.	7.20	(CFS)	70.	33.	33.
			(INCHES)	3.086	4.356	4.356
			(AC-FT)	34.	49.	49.
	PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE		
			6-HR	24-HR	72-HR	18.00-HR
+	(AC-FT)	(HR)				
	26.	7.20	20.	10.	10.	10.
	PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE		
			6-HR	24-HR	72-HR	18.00-HR
+	(FEET)	(HR)				
	1338.51	7.20	1337.75	1336.48	1336.48	1336.48
			CUMULATIVE AREA = .21 SQ MI			

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 100 YEAR STORM

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									
+		1	110.	6.10	19.	8.	8.	.06		
+	HYDROGRAPH AT									
+		2	46.	6.00	7.	3.	3.	.02		
+	2 COMBINED AT									
+		12	152.	6.10	26.	11.	11.	.08		
+	ROUTED TO									
+		POND1	106.	6.30	26.	11.	11.	.08	1347.69	6.30
+	HYDROGRAPH AT									
+		3	36.	6.00	6.	2.	2.	.01		
+	2 COMBINED AT									
+		123	127.	6.20	31.	14.	14.	.09		
+	ROUTED TO									
+		POND2	102.	6.50	31.	13.	13.	.09	1344.17	6.50
+	HYDROGRAPH AT									
+		4	335.	6.10	57.	24.	24.	.12		
+	2 COMBINED AT									
+		1234	401.	6.10	88.	38.	38.	.21		
+	ROUTED TO									
+		POND3	99.	7.20	70.	33.	33.	.21	1338.51	7.20

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

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

```
*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   FEBRUARY 1981                 *
*   REVISED 02 AUG 88             *
*
* RUN DATE 09/29/1992 TIME 09:27:47 *
*
*****
```

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

```

X  X  XXXXXX  XXXX  X
X  X  X      X    X  XX
X  X  X      X    X  X
XXXXXX XXXX  X    XXXX X
X  X  X      X    X  X
X  X  X      X    X  X
X  X  XXXXXX  XXXX  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

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

HEC-1 INPUT

PAGE 1

```

LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1         ID          REFLECTION RIDGE 9TH ADD. -- DETENTION STORAGE ANALYSIS, 10-YR STORM
*** LIST ***
*** FREE ***

2         *DIAGRAM
3         IT          6 29SEP92   0600       0 29SEP92   2400
4         IN          30 29SEP92   0600
4         IO          0           0
*         PARAMETERS FOR HYDROGRAGH FOR FLOW THROUGH 42" RCP

5         KK          1
6         BA          .0594
7         PB          5.3
8         PC          0.08   0.09   0.10   0.11   0.12   0.133  0.147  0.163  0.181  0.204
9         PC          0.235  0.283  0.663  0.735  0.772  0.799  0.820  0.835  0.850  0.865
10        PC          0.880  0.890  0.900  0.910  0.916  0.925  0.934  0.943  0.952  0.958
11        PC          0.964  0.970  0.976  0.982  0.988  0.994  1.000
12        LS          0           61      38
13        UD          0.24
*         PARAMETERS FOR HYDROGRAGH FOR FLOW COLLECTED AT THE EXISTING POND

14        KK          2
15        BA          .0172
16        PB          5.3
17        PC          0.08   0.09   0.10   0.11   0.12   0.133  0.147  0.163  0.181  0.204
18        PC          0.235  0.283  0.663  0.735  0.772  0.799  0.820  0.835  0.850  0.865
19        PC          0.880  0.890  0.900  0.910  0.916  0.925  0.934  0.943  0.952  0.958
20        PC          0.964  0.970  0.976  0.982  0.988  0.994  1.000
21        LS          0           61      38
22        UD          0.15
*         COMBINED FLOW INFLOW HYDROGRAGH AT POND NO. 1

23        KK          12
24        HC          2           0
*         STAGE STORAGE RELATIONSHIP FOR POND NO. 1 FOR 8' WEIR

25        KK          POND1
26        RS          1           ELEV 1345.0
27        SA          1.15   1.25   1.35   1.46   1.57   1.69
28        SE          1345.0 1346.0 1347.0 1348.0 1349.0 1350.0
29        SL
30        SS          1345.0   8       3.0   1.5
*         PARAMETERS FOR HYDROGRAGH FOR FLOW COLLECTED AT POND NO. 2

31        KK          3
32        BA          .0134
33        PB          5.3
34        PC          0.08   0.09   0.10   0.11   0.12   0.133  0.147  0.163  0.181  0.204
35        PC          0.235  0.283  0.663  0.735  0.772  0.799  0.820  0.835  0.850  0.865
36        PC          0.880  0.890  0.900  0.910  0.916  0.925  0.934  0.943  0.952  0.958
37        PC          0.964  0.970  0.976  0.982  0.988  0.994  1.000
38        LS          0           61      38
39        UD          0.15
*         COMBINED FLOW INFLOW HYDROGRAGH AT POND NO. 2
    
```

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

HEC-1 INPUT

PAGE 2

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
40	KK 123
41	HC 2 0
	* STAGE STORAGE RELATIONSHIP FOR POND NO. 2 FOR 6' WEIR
42	KK POND2
43	RS 1 ELEV 1341.0
44	SA 0.86 0.94 1.01 1.09 1.18 1.26
45	SE 1341.0 1342.0 1343.0 1344.0 1345.0 1346.0
46	SL
47	SS 1341.0 6 3.0 1.5
	* PARAMETERS FOR HYDROGRAPH FOR FLOW COLLECTED AT POND NO. 3
48	KK 4
49	BA .1194
50	PB 5.3
51	PC 0.08 0.09 0.10 0.11 0.12 0.133 0.147 0.163 0.181 0.204
52	PC 0.235 0.283 0.663 0.735 0.772 0.799 0.820 0.835 0.850 0.865
53	PC 0.880 0.890 0.900 0.910 0.916 0.925 0.934 0.943 0.952 0.958
54	PC 0.964 0.970 0.976 0.982 0.988 0.994 1.000
55	LS 0 71 38
56	UD 0.24
	* COMBINED FLOW INFLOW HYDROGRAPH AT POND NO. 3
57	KK 1234
58	HC 2 0
	* STAGE STORAGE RELATIONSHIP FOR POND NO. 3 FOR 5' WEIR
59	KK POND3
60	RS 1 ELEV 1335.0
61	SA 6.40 6.91 7.42 7.93 8.46 8.99
62	SE 1335.0 1336.0 1337.0 1338.0 1339.0 1340.0
63	SL
64	SS 1335.0 5.0 3.0 1.5
65	ZZ

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT LINE	(V) ROUTING	(--->) DIVERSION OR PUMP FLOW
NO.	(.) CONNECTOR	(<---) RETURN OF DIVERTED OR PUMPED FLOW
5	1	
	.	
14	.	2
	.	.
23	12.....	.
	V	
	V	
25	POND1	
	.	
31	.	3
	.	.
40	123.....	.
	V	
	V	
42	POND2	
	.	
48	.	4
	.	.
57	1234.....	.
	V	
	V	
59	POND3	

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

```
*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* FEBRUARY 1981 *
* REVISED 02 AUG 88 *
*
* RUN DATE 09/29/1992 TIME 09:27:47 *
*
*****
```

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

REFLECTION RIDGE 9TH ADD. -- DETENTION STORAGE ANALYSIS, 10-YR STORM

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

IT HYDROGRAPH TIME DATA
    NMIN 6 MINUTES IN COMPUTATION INTERVAL
    IDATE 29SEP92 STARTING DATE
    ITIME 0600 STARTING TIME
    NQ 181 NUMBER OF HYDROGRAPH ORDINATES
    NDDATE 30SEP92 ENDING DATE
    NDTIME 0000 ENDING TIME
    ICENT 19 CENTURY MARK

    COMPUTATION INTERVAL .10 HOURS
    TOTAL TIME BASE 18.00 HOURS
```

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

*** ** ** ** **

```
*****
*
* 5 KK 1 *
*
*****
```

```
3 IN TIME DATA FOR INPUT TIME SERIES
    JXMIN 30 TIME INTERVAL IN MINUTES
    JXDATE 29SEP92 STARTING DATE
    JXTIME 600 STARTING TIME
```

SUBBASIN RUNOFF DATA

```
6 BA SUBBASIN CHARACTERISTICS
    TAREA .06 SUBBASIN AREA
```

PRECIPITATION DATA

```
7 PB STORM 5.30 BASIN TOTAL PRECIPITATION
```

```
8 PI INCREMENTAL PRECIPITATION PATTERN
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .01 .01 .01 .01 .01
.01 .01 .01 .01 .01 .08 .08 .08 .08 .08
.01 .01 .01 .01 .01 .01 .01 .01 .01 .01
.01 .01 .01 .01 .01 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00
```

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

12 LS SCS LOSS RATE
 STRTL 1.28 INITIAL ABSTRACTION
 CRVNER 61.00 CURVE NUMBER
 RTIMP 38.00 PERCENT IMPERVIOUS AREA

13 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .24 LAG

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

UNIT HYDROGRAPH 14 END-OF-PERIOD ORDINATES

24.	80.	99.	79.	44.	25.	14.	8.	5.	3.
2.	1.	1.	0.						

HYDROGRAPH AT STATION 1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
29	SEP	0600	1	.00	.00	.00	0.	*	29	SEP	1506	92	.02	.00	.01	5.
29	SEP	0606	2	.01	.01	.00	0.	*	29	SEP	1512	93	.02	.00	.01	5.
29	SEP	0612	3	.01	.01	.00	0.	*	29	SEP	1518	94	.02	.00	.01	5.
29	SEP	0618	4	.01	.01	.00	1.	*	29	SEP	1524	95	.02	.00	.01	5.
29	SEP	0624	5	.01	.01	.00	1.	*	29	SEP	1530	96	.02	.00	.01	5.
29	SEP	0630	6	.01	.01	.00	1.	*	29	SEP	1536	97	.02	.00	.01	5.
29	SEP	0636	7	.01	.01	.00	2.	*	29	SEP	1542	98	.02	.00	.01	5.
29	SEP	0642	8	.01	.01	.00	2.	*	29	SEP	1548	99	.02	.00	.01	5.
29	SEP	0648	9	.01	.01	.00	2.	*	29	SEP	1554	100	.02	.00	.01	5.
29	SEP	0654	10	.01	.01	.00	2.	*	29	SEP	1600	101	.02	.00	.01	5.
29	SEP	0700	11	.01	.01	.00	2.	*	29	SEP	1606	102	.01	.00	.01	5.
29	SEP	0706	12	.01	.01	.00	2.	*	29	SEP	1612	103	.01	.00	.01	4.
29	SEP	0712	13	.01	.01	.00	2.	*	29	SEP	1618	104	.01	.00	.01	4.
29	SEP	0718	14	.01	.01	.00	2.	*	29	SEP	1624	105	.01	.00	.01	4.
29	SEP	0724	15	.01	.01	.00	2.	*	29	SEP	1630	106	.01	.00	.01	3.
29	SEP	0730	16	.01	.01	.00	2.	*	29	SEP	1636	107	.01	.00	.01	3.
29	SEP	0736	17	.01	.01	.00	2.	*	29	SEP	1642	108	.01	.00	.01	3.
29	SEP	0742	18	.01	.01	.00	2.	*	29	SEP	1648	109	.01	.00	.01	3.
29	SEP	0748	19	.01	.01	.00	2.	*	29	SEP	1654	110	.01	.00	.01	3.
29	SEP	0754	20	.01	.01	.00	2.	*	29	SEP	1700	111	.01	.00	.01	3.
29	SEP	0800	21	.01	.01	.00	2.	*	29	SEP	1706	112	.01	.00	.01	3.
29	SEP	0806	22	.01	.01	.01	2.	*	29	SEP	1712	113	.01	.00	.01	3.
29	SEP	0812	23	.01	.01	.01	2.	*	29	SEP	1718	114	.01	.00	.01	3.
29	SEP	0818	24	.01	.01	.01	2.	*	29	SEP	1724	115	.01	.00	.01	3.
29	SEP	0824	25	.01	.01	.01	2.	*	29	SEP	1730	116	.01	.00	.01	3.
29	SEP	0830	26	.01	.01	.01	2.	*	29	SEP	1736	117	.01	.00	.01	3.
29	SEP	0836	27	.02	.01	.01	2.	*	29	SEP	1742	118	.01	.00	.01	3.
29	SEP	0842	28	.02	.01	.01	2.	*	29	SEP	1748	119	.01	.00	.01	3.
29	SEP	0848	29	.02	.01	.01	2.	*	29	SEP	1754	120	.01	.00	.01	2.
29	SEP	0854	30	.02	.01	.01	2.	*	29	SEP	1800	121	.01	.00	.01	2.
29	SEP	0900	31	.02	.01	.01	2.	*	29	SEP	1806	122	.01	.00	.01	2.
29	SEP	0906	32	.02	.01	.01	2.	*	29	SEP	1812	123	.01	.00	.01	2.
29	SEP	0912	33	.02	.01	.01	2.	*	29	SEP	1818	124	.01	.00	.01	3.
29	SEP	0918	34	.02	.01	.01	3.	*	29	SEP	1824	125	.01	.00	.01	3.
29	SEP	0924	35	.02	.01	.01	3.	*	29	SEP	1830	126	.01	.00	.01	3.
29	SEP	0930	36	.02	.01	.01	3.	*	29	SEP	1836	127	.01	.00	.01	3.
29	SEP	0936	37	.02	.01	.01	3.	*	29	SEP	1842	128	.01	.00	.01	3.
29	SEP	0942	38	.02	.01	.01	3.	*	29	SEP	1848	129	.01	.00	.01	3.
29	SEP	0948	39	.02	.01	.01	3.	*	29	SEP	1854	130	.01	.00	.01	3.
29	SEP	0954	40	.02	.01	.01	3.	*	29	SEP	1900	131	.01	.00	.01	3.
29	SEP	1000	41	.02	.01	.01	3.	*	29	SEP	1906	132	.01	.00	.01	3.
29	SEP	1006	42	.03	.02	.01	3.	*	29	SEP	1912	133	.01	.00	.01	3.
29	SEP	1012	43	.03	.02	.01	3.	*	29	SEP	1918	134	.01	.00	.01	3.
29	SEP	1018	44	.03	.02	.01	3.	*	29	SEP	1924	135	.01	.00	.01	3.
29	SEP	1024	45	.03	.02	.01	4.	*	29	SEP	1930	136	.01	.00	.01	3.
29	SEP	1030	46	.03	.02	.01	4.	*	29	SEP	1936	137	.01	.00	.01	3.
29	SEP	1036	47	.04	.02	.01	4.	*	29	SEP	1942	138	.01	.00	.01	3.
29	SEP	1042	48	.04	.02	.01	4.	*	29	SEP	1948	139	.01	.00	.01	3.

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 1048	49	.04	.02	.01	5.	*	29 SEP 1954	140	.01	.00	.01	3.
29 SEP 1054	50	.04	.02	.01	5.	*	29 SEP 2000	141	.01	.00	.01	3.
29 SEP 1100	51	.04	.02	.01	5.	*	29 SEP 2006	142	.01	.00	.01	3.
29 SEP 1106	52	.06	.03	.02	5.	*	29 SEP 2012	143	.01	.00	.01	3.
29 SEP 1112	53	.06	.03	.02	6.	*	29 SEP 2018	144	.01	.00	.01	2.
29 SEP 1118	54	.06	.03	.02	7.	*	29 SEP 2024	145	.01	.00	.01	2.
29 SEP 1124	55	.06	.03	.02	7.	*	29 SEP 2030	146	.01	.00	.01	2.
29 SEP 1130	56	.06	.03	.02	8.	*	29 SEP 2036	147	.01	.00	.01	2.
29 SEP 1136	57	.44	.26	.18	12.	*	29 SEP 2042	148	.01	.00	.01	2.
29 SEP 1142	58	.44	.23	.21	25.	*	29 SEP 2048	149	.01	.00	.01	2.
29 SEP 1148	59	.44	.20	.23	43.	*	29 SEP 2054	150	.01	.00	.01	2.
29 SEP 1154	60	.44	.18	.26	61.	*	29 SEP 2100	151	.01	.00	.01	2.
29 SEP 1200	61	.44	.16	.27	75.	*	29 SEP 2106	152	.01	.00	.01	2.
29 SEP 1206	62	.08	.03	.05	81.	*	29 SEP 2112	153	.01	.00	.01	2.
29 SEP 1212	63	.08	.03	.05	71.	*	29 SEP 2118	154	.01	.00	.01	2.
29 SEP 1218	64	.08	.03	.06	54.	*	29 SEP 2124	155	.01	.00	.01	2.
29 SEP 1224	65	.08	.03	.06	40.	*	29 SEP 2130	156	.01	.00	.01	2.
29 SEP 1230	66	.08	.03	.06	32.	*	29 SEP 2136	157	.01	.00	.01	2.
29 SEP 1236	67	.04	.01	.03	27.	*	29 SEP 2142	158	.01	.00	.01	2.
29 SEP 1242	68	.04	.01	.03	22.	*	29 SEP 2148	159	.01	.00	.01	2.
29 SEP 1248	69	.04	.01	.03	18.	*	29 SEP 2154	160	.01	.00	.01	2.
29 SEP 1254	70	.04	.01	.03	15.	*	29 SEP 2200	161	.01	.00	.01	2.
29 SEP 1300	71	.04	.01	.03	13.	*	29 SEP 2206	162	.01	.00	.01	2.
29 SEP 1306	72	.03	.01	.02	12.	*	29 SEP 2212	163	.01	.00	.01	2.
29 SEP 1312	73	.03	.01	.02	11.	*	29 SEP 2218	164	.01	.00	.01	2.
29 SEP 1318	74	.03	.01	.02	10.	*	29 SEP 2224	165	.01	.00	.01	2.
29 SEP 1324	75	.03	.01	.02	9.	*	29 SEP 2230	166	.01	.00	.01	2.
29 SEP 1330	76	.03	.01	.02	9.	*	29 SEP 2236	167	.01	.00	.01	2.
29 SEP 1336	77	.02	.01	.02	9.	*	29 SEP 2242	168	.01	.00	.01	2.
29 SEP 1342	78	.02	.01	.02	8.	*	29 SEP 2248	169	.01	.00	.01	2.
29 SEP 1348	79	.02	.01	.02	7.	*	29 SEP 2254	170	.01	.00	.01	2.
29 SEP 1354	80	.02	.01	.02	7.	*	29 SEP 2300	171	.01	.00	.01	2.
29 SEP 1400	81	.02	.01	.02	7.	*	29 SEP 2306	172	.01	.00	.01	2.
29 SEP 1406	82	.02	.00	.01	7.	*	29 SEP 2312	173	.01	.00	.01	2.
29 SEP 1412	83	.02	.00	.01	6.	*	29 SEP 2318	174	.01	.00	.01	2.
29 SEP 1418	84	.02	.00	.01	6.	*	29 SEP 2324	175	.01	.00	.01	2.
29 SEP 1424	85	.02	.00	.01	5.	*	29 SEP 2330	176	.01	.00	.01	2.
29 SEP 1430	86	.02	.00	.01	5.	*	29 SEP 2336	177	.01	.00	.01	2.
29 SEP 1436	87	.02	.00	.01	5.	*	29 SEP 2342	178	.01	.00	.01	2.
29 SEP 1442	88	.02	.00	.01	5.	*	29 SEP 2348	179	.01	.00	.01	2.
29 SEP 1448	89	.02	.00	.01	5.	*	29 SEP 2354	180	.01	.00	.01	2.
29 SEP 1454	90	.02	.00	.01	5.	*	30 SEP 0000	181	.01	.00	.01	2.
29 SEP 1500	91	.02	.00	.01	5.	*						

TOTAL RAINFALL = 5.30, TOTAL LOSS = 2.32, TOTAL EXCESS = 2.98

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
+ 81.	6.10	(CFS)	14.	6.	6.	6.
		(INCHES)	2.233	2.959	2.959	2.959
		(AC-FT)	7.	9.	9.	9.

CUMULATIVE AREA = .06 SQ MI

*** **

* *
14 KK * 2 *
* *

3 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 30 TIME INTERVAL IN MINUTES
JXDATE 29SEP92 STARTING DATE
JXTIME 600 STARTING TIME

SUBBASIN RUNOFF DATA

15 BA SUBBASIN CHARACTERISTICS
TAREA .02 SUBBASIN AREA

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 0912	33	.02	.01	.01	1.	*	29 SEP 1818	124	.01	.00	.01	1.
29 SEP 0918	34	.02	.01	.01	1.	*	29 SEP 1824	125	.01	.00	.01	1.
29 SEP 0924	35	.02	.01	.01	1.	*	29 SEP 1830	126	.01	.00	.01	1.
29 SEP 0930	36	.02	.01	.01	1.	*	29 SEP 1836	127	.01	.00	.01	1.
29 SEP 0936	37	.02	.01	.01	1.	*	29 SEP 1842	128	.01	.00	.01	1.
29 SEP 0942	38	.02	.01	.01	1.	*	29 SEP 1848	129	.01	.00	.01	1.
29 SEP 0948	39	.02	.01	.01	1.	*	29 SEP 1854	130	.01	.00	.01	1.
29 SEP 0954	40	.02	.01	.01	1.	*	29 SEP 1900	131	.01	.00	.01	1.
29 SEP 1000	41	.02	.01	.01	1.	*	29 SEP 1906	132	.01	.00	.01	1.
29 SEP 1006	42	.03	.02	.01	1.	*	29 SEP 1912	133	.01	.00	.01	1.
29 SEP 1012	43	.03	.02	.01	1.	*	29 SEP 1918	134	.01	.00	.01	1.
29 SEP 1018	44	.03	.02	.01	1.	*	29 SEP 1924	135	.01	.00	.01	1.
29 SEP 1024	45	.03	.02	.01	1.	*	29 SEP 1930	136	.01	.00	.01	1.
29 SEP 1030	46	.03	.02	.01	1.	*	29 SEP 1936	137	.01	.00	.01	1.
29 SEP 1036	47	.04	.02	.01	1.	*	29 SEP 1942	138	.01	.00	.01	1.
29 SEP 1042	48	.04	.02	.01	1.	*	29 SEP 1948	139	.01	.00	.01	1.
29 SEP 1048	49	.04	.02	.01	1.	*	29 SEP 1954	140	.01	.00	.01	1.
29 SEP 1054	50	.04	.02	.01	1.	*	29 SEP 2000	141	.01	.00	.01	1.
29 SEP 1100	51	.04	.02	.01	1.	*	29 SEP 2006	142	.01	.00	.01	1.
29 SEP 1106	52	.06	.03	.02	2.	*	29 SEP 2012	143	.01	.00	.01	1.
29 SEP 1112	53	.06	.03	.02	2.	*	29 SEP 2018	144	.01	.00	.01	1.
29 SEP 1118	54	.06	.03	.02	2.	*	29 SEP 2024	145	.01	.00	.01	1.
29 SEP 1124	55	.06	.03	.02	2.	*	29 SEP 2030	146	.01	.00	.01	1.
29 SEP 1130	56	.06	.03	.02	2.	*	29 SEP 2036	147	.01	.00	.01	1.
29 SEP 1136	57	.44	.26	.18	5.	*	29 SEP 2042	148	.01	.00	.01	1.
29 SEP 1142	58	.44	.23	.21	12.	*	29 SEP 2048	149	.01	.00	.01	1.
29 SEP 1148	59	.44	.20	.23	19.	*	29 SEP 2054	150	.01	.00	.01	1.
29 SEP 1154	60	.44	.18	.26	23.	*	29 SEP 2100	151	.01	.00	.01	1.
29 SEP 1200	61	.44	.16	.27	26.	*	29 SEP 2106	152	.01	.00	.01	1.
29 SEP 1206	62	.08	.03	.05	24.	*	29 SEP 2112	153	.01	.00	.01	1.
29 SEP 1212	63	.08	.03	.05	16.	*	29 SEP 2118	154	.01	.00	.01	1.
29 SEP 1218	64	.08	.03	.06	10.	*	29 SEP 2124	155	.01	.00	.01	1.
29 SEP 1224	65	.08	.03	.06	8.	*	29 SEP 2130	156	.01	.00	.01	1.
29 SEP 1230	66	.08	.03	.06	7.	*	29 SEP 2136	157	.01	.00	.01	1.
29 SEP 1236	67	.04	.01	.03	6.	*	29 SEP 2142	158	.01	.00	.01	1.
29 SEP 1242	68	.04	.01	.03	5.	*	29 SEP 2148	159	.01	.00	.01	1.
29 SEP 1248	69	.04	.01	.03	4.	*	29 SEP 2154	160	.01	.00	.01	1.
29 SEP 1254	70	.04	.01	.03	3.	*	29 SEP 2200	161	.01	.00	.01	1.
29 SEP 1300	71	.04	.01	.03	3.	*	29 SEP 2206	162	.01	.00	.01	1.
29 SEP 1306	72	.03	.01	.02	3.	*	29 SEP 2212	163	.01	.00	.01	1.
29 SEP 1312	73	.03	.01	.02	3.	*	29 SEP 2218	164	.01	.00	.01	1.
29 SEP 1318	74	.03	.01	.02	3.	*	29 SEP 2224	165	.01	.00	.01	1.
29 SEP 1324	75	.03	.01	.02	2.	*	29 SEP 2230	166	.01	.00	.01	1.
29 SEP 1330	76	.03	.01	.02	2.	*	29 SEP 2236	167	.01	.00	.01	1.
29 SEP 1336	77	.02	.01	.02	2.	*	29 SEP 2242	168	.01	.00	.01	1.
29 SEP 1342	78	.02	.01	.02	2.	*	29 SEP 2248	169	.01	.00	.01	1.
29 SEP 1348	79	.02	.01	.02	2.	*	29 SEP 2254	170	.01	.00	.01	1.
29 SEP 1354	80	.02	.01	.02	2.	*	29 SEP 2300	171	.01	.00	.01	1.
29 SEP 1400	81	.02	.01	.02	2.	*	29 SEP 2306	172	.01	.00	.01	1.
29 SEP 1406	82	.02	.00	.01	2.	*	29 SEP 2312	173	.01	.00	.01	1.
29 SEP 1412	83	.02	.00	.01	2.	*	29 SEP 2318	174	.01	.00	.01	1.
29 SEP 1418	84	.02	.00	.01	1.	*	29 SEP 2324	175	.01	.00	.01	1.
29 SEP 1424	85	.02	.00	.01	1.	*	29 SEP 2330	176	.01	.00	.01	1.
29 SEP 1430	86	.02	.00	.01	1.	*	29 SEP 2336	177	.01	.00	.01	1.
29 SEP 1436	87	.02	.00	.01	1.	*	29 SEP 2342	178	.01	.00	.01	1.
29 SEP 1442	88	.02	.00	.01	1.	*	29 SEP 2348	179	.01	.00	.01	1.
29 SEP 1448	89	.02	.00	.01	1.	*	29 SEP 2354	180	.01	.00	.01	1.
29 SEP 1454	90	.02	.00	.01	1.	*	30 SEP 0000	181	.01	.00	.01	1.
29 SEP 1500	91	.02	.00	.01	1.	*						

TOTAL RAINFALL = 5.30, TOTAL LOSS = 2.32, TOTAL EXCESS = 2.98

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
+ 26.	6.00	(CFS)	4.	2.	2.	2.
		(INCHES)	2.234	2.966	2.966	2.966
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .02 SQ MI

*** **

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

 * *
 23 KK * 12 *
 * *

24 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION 12
 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	
29	SEP	0600	1	0.	*	29	SEP	1036	47	5.	*	29	SEP	1512	93	6.	*	29	SEP	1948	139	4.	*	
29	SEP	0606	2	0.	*	29	SEP	1042	48	6.	*	29	SEP	1518	94	6.	*	29	SEP	1954	140	4.	*	
29	SEP	0612	3	1.	*	29	SEP	1048	49	6.	*	29	SEP	1524	95	6.	*	29	SEP	2000	141	4.	*	
29	SEP	0618	4	1.	*	29	SEP	1054	50	6.	*	29	SEP	1530	96	6.	*	29	SEP	2006	142	4.	*	
29	SEP	0624	5	2.	*	29	SEP	1100	51	6.	*	29	SEP	1536	97	6.	*	29	SEP	2012	143	3.	*	
29	SEP	0630	6	2.	*	29	SEP	1106	52	7.	*	29	SEP	1542	98	6.	*	29	SEP	2018	144	3.	*	
29	SEP	0636	7	2.	*	29	SEP	1112	53	8.	*	29	SEP	1548	99	6.	*	29	SEP	2024	145	3.	*	
29	SEP	0642	8	2.	*	29	SEP	1118	54	9.	*	29	SEP	1554	100	6.	*	29	SEP	2030	146	3.	*	
29	SEP	0648	9	2.	*	29	SEP	1124	55	10.	*	29	SEP	1600	101	6.	*	29	SEP	2036	147	3.	*	
29	SEP	0654	10	2.	*	29	SEP	1130	56	10.	*	29	SEP	1606	102	6.	*	29	SEP	2042	148	3.	*	
29	SEP	0700	11	2.	*	29	SEP	1136	57	17.	*	29	SEP	1612	103	6.	*	29	SEP	2048	149	3.	*	
29	SEP	0706	12	2.	*	29	SEP	1142	58	37.	*	29	SEP	1618	104	5.	*	29	SEP	2054	150	3.	*	
29	SEP	0712	13	2.	*	29	SEP	1148	59	62.	*	29	SEP	1624	105	5.	*	29	SEP	2100	151	3.	*	
29	SEP	0718	14	2.	*	29	SEP	1154	60	84.	*	29	SEP	1630	106	4.	*	29	SEP	2106	152	3.	*	
29	SEP	0724	15	2.	*	29	SEP	1200	61	102.	*	29	SEP	1636	107	4.	*	29	SEP	2112	153	3.	*	
29	SEP	0730	16	2.	*	29	SEP	1206	62	105.	*	29	SEP	1642	108	4.	*	29	SEP	2118	154	3.	*	
29	SEP	0736	17	2.	*	29	SEP	1212	63	87.	*	29	SEP	1648	109	4.	*	29	SEP	2124	155	3.	*	
29	SEP	0742	18	2.	*	29	SEP	1218	64	65.	*	29	SEP	1654	110	4.	*	29	SEP	2130	156	3.	*	
29	SEP	0748	19	2.	*	29	SEP	1224	65	48.	*	29	SEP	1700	111	4.	*	29	SEP	2136	157	3.	*	
29	SEP	0754	20	2.	*	29	SEP	1230	66	39.	*	29	SEP	1706	112	4.	*	29	SEP	2142	158	3.	*	
29	SEP	0800	21	2.	*	29	SEP	1236	67	33.	*	29	SEP	1712	113	4.	*	29	SEP	2148	159	3.	*	
29	SEP	0806	22	2.	*	29	SEP	1242	68	27.	*	29	SEP	1718	114	4.	*	29	SEP	2154	160	3.	*	
29	SEP	0812	23	2.	*	29	SEP	1248	69	22.	*	29	SEP	1724	115	4.	*	29	SEP	2200	161	3.	*	
29	SEP	0818	24	3.	*	29	SEP	1254	70	19.	*	29	SEP	1730	116	4.	*	29	SEP	2206	162	3.	*	
29	SEP	0824	25	3.	*	29	SEP	1300	71	17.	*	29	SEP	1736	117	4.	*	29	SEP	2212	163	3.	*	
29	SEP	0830	26	3.	*	29	SEP	1306	72	15.	*	29	SEP	1742	118	4.	*	29	SEP	2218	164	3.	*	
29	SEP	0836	27	3.	*	29	SEP	1312	73	14.	*	29	SEP	1748	119	3.	*	29	SEP	2224	165	3.	*	
29	SEP	0842	28	3.	*	29	SEP	1318	74	13.	*	29	SEP	1754	120	3.	*	29	SEP	2230	166	3.	*	
29	SEP	0848	29	3.	*	29	SEP	1324	75	12.	*	29	SEP	1800	121	3.	*	29	SEP	2236	167	3.	*	
29	SEP	0854	30	3.	*	29	SEP	1330	76	11.	*	29	SEP	1806	122	3.	*	29	SEP	2242	168	3.	*	
29	SEP	0900	31	3.	*	29	SEP	1336	77	11.	*	29	SEP	1812	123	3.	*	29	SEP	2248	169	3.	*	
29	SEP	0906	32	3.	*	29	SEP	1342	78	10.	*	29	SEP	1818	124	3.	*	29	SEP	2254	170	3.	*	
29	SEP	0912	33	3.	*	29	SEP	1348	79	9.	*	29	SEP	1824	125	4.	*	29	SEP	2300	171	3.	*	
29	SEP	0918	34	3.	*	29	SEP	1354	80	9.	*	29	SEP	1830	126	4.	*	29	SEP	2306	172	3.	*	
29	SEP	0924	35	3.	*	29	SEP	1400	81	9.	*	29	SEP	1836	127	4.	*	29	SEP	2312	173	3.	*	
29	SEP	0930	36	3.	*	29	SEP	1406	82	8.	*	29	SEP	1842	128	4.	*	29	SEP	2318	174	3.	*	
29	SEP	0936	37	3.	*	29	SEP	1412	83	8.	*	29	SEP	1848	129	4.	*	29	SEP	2324	175	3.	*	
29	SEP	0942	38	4.	*	29	SEP	1418	84	7.	*	29	SEP	1854	130	4.	*	29	SEP	2330	176	3.	*	
29	SEP	0948	39	4.	*	29	SEP	1424	85	7.	*	29	SEP	1900	131	4.	*	29	SEP	2336	177	3.	*	
29	SEP	0954	40	4.	*	29	SEP	1430	86	6.	*	29	SEP	1906	132	4.	*	29	SEP	2342	178	3.	*	
29	SEP	1000	41	4.	*	29	SEP	1436	87	6.	*	29	SEP	1912	133	4.	*	29	SEP	2348	179	3.	*	
29	SEP	1006	42	4.	*	29	SEP	1442	88	6.	*	29	SEP	1918	134	4.	*	29	SEP	2354	180	3.	*	
29	SEP	1012	43	4.	*	29	SEP	1448	89	6.	*	29	SEP	1924	135	4.	*	30	SEP	0000	181	3.	*	
29	SEP	1018	44	5.	*	29	SEP	1454	90	6.	*	29	SEP	1930	136	4.	*							
29	SEP	1024	45	5.	*	29	SEP	1500	91	6.	*	29	SEP	1936	137	4.	*							
29	SEP	1030	46	5.	*	29	SEP	1506	92	6.	*	29	SEP	1942	138	4.	*							

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
+ 105.	6.10	18.	8.	8.	8.
		(INCHES) 2.233	2.961	2.961	2.961
		(AC-FT) 9.	12.	12.	12.

CUMULATIVE AREA = .08 SQ MI

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

*** **

```
*****
*          *
25 KK  *   POND1 *
*          *
*****
```

HYDROGRAPH ROUTING DATA

```
26 RS  STORAGE ROUTING
        NSTPS      1  NUMBER OF SUBREACHES
        ITYP      ELEV  TYPE OF INITIAL CONDITION
        RSVRIC    1345.00  INITIAL CONDITION
        X         .00  WORKING R AND D COEFFICIENT

27 SA  AREA        1.1    1.3    1.4    1.5    1.6    1.7

28 SE  ELEVATION   1345.00 1346.00 1347.00 1348.00 1349.00 1350.00

30 SS  SPILLWAY
        CREL      1345.00  SPILLWAY CREST ELEVATION
        SPWID     8.00   SPILLWAY WIDTH
        COQW     3.00   WEIR COEFFICIENT
        EXPW     1.50   EXPONENT OF HEAD
```

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	1.20	2.50	3.90	5.42	7.05
ELEVATION	1345.00	1346.00	1347.00	1348.00	1349.00	1350.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.05	.37	1.24	2.95	5.75	9.94	15.78	23.56
ELEVATION	1345.00	1345.00	1345.02	1345.06	1345.14	1345.25	1345.39	1345.56	1345.76	1345.99
OUTFLOW	33.54	46.01	61.24	79.50	101.08	126.25	155.28	188.45	226.04	268.33
ELEVATION	1346.25	1346.54	1346.87	1347.22	1347.61	1348.02	1348.47	1348.95	1349.46	1350.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.07	.16	.29	.45	.65	.90	1.18	1.20
OUTFLOW	.00	.05	.37	1.24	2.95	5.75	9.94	15.78	23.56	24.00
ELEVATION	1345.00	1345.02	1345.06	1345.14	1345.25	1345.39	1345.56	1345.76	1345.99	1346.00
STORAGE	1.52	1.89	2.32	2.50	2.80	3.34	3.90	3.94	4.61	5.34
OUTFLOW	33.54	46.01	61.24	67.88	79.50	101.08	124.71	126.25	155.28	188.45
ELEVATION	1346.25	1346.54	1346.87	1347.00	1347.22	1347.61	1348.00	1348.02	1348.47	1348.95
STORAGE	5.42	6.15	7.05							
OUTFLOW	192.00	226.04	268.33							
ELEVATION	1349.00	1349.46	1350.00							

HYDROGRAPH AT STATION POND1

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
29	SEP	0600	1	0.	.0	1345.0	*	29	SEP	1206	62	60.	2.3	1346.8	*	29	SEP	1812	123	4.	.3	1345.3
29	SEP	0606	2	0.	.0	1345.0	*	29	SEP	1212	63	69.	2.5	1347.0	*	29	SEP	1818	124	4.	.3	1345.3
29	SEP	0612	3	0.	.0	1345.0	*	29	SEP	1218	64	71.	2.6	1347.1	*	29	SEP	1824	125	4.	.3	1345.3
29	SEP	0618	4	0.	.0	1345.0	*	29	SEP	1224	65	67.	2.5	1347.0	*	29	SEP	1830	126	4.	.3	1345.3
29	SEP	0624	5	0.	.0	1345.0	*	29	SEP	1230	66	61.	2.3	1346.9	*	29	SEP	1836	127	4.	.3	1345.3
29	SEP	0630	6	0.	.0	1345.0	*	29	SEP	1236	67	54.	2.1	1346.7	*	29	SEP	1842	128	4.	.3	1345.3
29	SEP	0636	7	0.	.1	1345.0	*	29	SEP	1242	68	48.	2.0	1346.6	*	29	SEP	1848	129	4.	.3	1345.3
29	SEP	0642	8	0.	.1	1345.1	*	29	SEP	1248	69	42.	1.8	1346.5	*	29	SEP	1854	130	4.	.3	1345.3
29	SEP	0648	9	0.	.1	1345.1	*	29	SEP	1254	70	37.	1.6	1346.3	*	29	SEP	1900	131	4.	.3	1345.3
29	SEP	0654	10	1.	.1	1345.1	*	29	SEP	1300	71	32.	1.5	1346.2	*	29	SEP	1906	132	4.	.3	1345.3
29	SEP	0700	11	1.	.1	1345.1	*	29	SEP	1306	72	29.	1.4	1346.1	*	29	SEP	1912	133	4.	.3	1345.3
29	SEP	0706	12	1.	.1	1345.1	*	29	SEP	1312	73	26.	1.3	1346.0	*	29	SEP	1918	134	4.	.3	1345.3
29	SEP	0712	13	1.	.1	1345.1	*	29	SEP	1318	74	23.	1.2	1346.0	*	29	SEP	1924	135	4.	.3	1345.3

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 0718	14	1.	.1	1345.1	* 29 SEP 1324	75	21.	1.1	1345.9	* 29 SEP 1930	136	4.	.3	1345.3
29 SEP 0724	15	1.	.1	1345.1	* 29 SEP 1330	76	19.	1.0	1345.8	* 29 SEP 1936	137	4.	.3	1345.3
29 SEP 0730	16	1.	.2	1345.1	* 29 SEP 1336	77	17.	1.0	1345.8	* 29 SEP 1942	138	4.	.3	1345.3
29 SEP 0736	17	1.	.2	1345.1	* 29 SEP 1342	78	16.	.9	1345.8	* 29 SEP 1948	139	4.	.3	1345.3
29 SEP 0742	18	1.	.2	1345.1	* 29 SEP 1348	79	15.	.9	1345.7	* 29 SEP 1954	140	4.	.3	1345.3
29 SEP 0748	19	1.	.2	1345.2	* 29 SEP 1354	80	14.	.8	1345.7	* 29 SEP 2000	141	4.	.3	1345.3
29 SEP 0754	20	2.	.2	1345.2	* 29 SEP 1400	81	13.	.8	1345.7	* 29 SEP 2006	142	4.	.3	1345.3
29 SEP 0800	21	2.	.2	1345.2	* 29 SEP 1406	82	12.	.7	1345.6	* 29 SEP 2012	143	4.	.3	1345.3
29 SEP 0806	22	2.	.2	1345.2	* 29 SEP 1412	83	11.	.7	1345.6	* 29 SEP 2018	144	4.	.3	1345.3
29 SEP 0812	23	2.	.2	1345.2	* 29 SEP 1418	84	11.	.7	1345.6	* 29 SEP 2024	145	4.	.3	1345.3
29 SEP 0818	24	2.	.2	1345.2	* 29 SEP 1424	85	10.	.7	1345.6	* 29 SEP 2030	146	4.	.3	1345.3
29 SEP 0824	25	2.	.2	1345.2	* 29 SEP 1430	86	9.	.6	1345.5	* 29 SEP 2036	147	3.	.3	1345.3
29 SEP 0830	26	2.	.2	1345.2	* 29 SEP 1436	87	9.	.6	1345.5	* 29 SEP 2042	148	3.	.3	1345.3
29 SEP 0836	27	2.	.2	1345.2	* 29 SEP 1442	88	9.	.6	1345.5	* 29 SEP 2048	149	3.	.3	1345.3
29 SEP 0842	28	2.	.2	1345.2	* 29 SEP 1448	89	8.	.6	1345.5	* 29 SEP 2054	150	3.	.3	1345.3
29 SEP 0848	29	2.	.2	1345.2	* 29 SEP 1454	90	8.	.6	1345.5	* 29 SEP 2100	151	3.	.3	1345.3
29 SEP 0854	30	2.	.2	1345.2	* 29 SEP 1500	91	8.	.5	1345.5	* 29 SEP 2106	152	3.	.3	1345.2
29 SEP 0900	31	2.	.2	1345.2	* 29 SEP 1506	92	7.	.5	1345.5	* 29 SEP 2112	153	3.	.3	1345.2
29 SEP 0906	32	2.	.2	1345.2	* 29 SEP 1512	93	7.	.5	1345.4	* 29 SEP 2118	154	3.	.3	1345.2
29 SEP 0912	33	3.	.3	1345.2	* 29 SEP 1518	94	7.	.5	1345.4	* 29 SEP 2124	155	3.	.3	1345.2
29 SEP 0918	34	3.	.3	1345.2	* 29 SEP 1524	95	7.	.5	1345.4	* 29 SEP 2130	156	3.	.3	1345.2
29 SEP 0924	35	3.	.3	1345.2	* 29 SEP 1530	96	7.	.5	1345.4	* 29 SEP 2136	157	3.	.3	1345.2
29 SEP 0930	36	3.	.3	1345.2	* 29 SEP 1536	97	7.	.5	1345.4	* 29 SEP 2142	158	3.	.3	1345.2
29 SEP 0936	37	3.	.3	1345.2	* 29 SEP 1542	98	7.	.5	1345.4	* 29 SEP 2148	159	3.	.3	1345.2
29 SEP 0942	38	3.	.3	1345.2	* 29 SEP 1548	99	7.	.5	1345.4	* 29 SEP 2154	160	3.	.3	1345.2
29 SEP 0948	39	3.	.3	1345.2	* 29 SEP 1554	100	6.	.5	1345.4	* 29 SEP 2200	161	3.	.3	1345.2
29 SEP 0954	40	3.	.3	1345.3	* 29 SEP 1600	101	6.	.5	1345.4	* 29 SEP 2206	162	3.	.3	1345.2
29 SEP 1000	41	3.	.3	1345.3	* 29 SEP 1606	102	6.	.5	1345.4	* 29 SEP 2212	163	3.	.3	1345.2
29 SEP 1006	42	3.	.3	1345.3	* 29 SEP 1612	103	6.	.5	1345.4	* 29 SEP 2218	164	3.	.3	1345.2
29 SEP 1012	43	3.	.3	1345.3	* 29 SEP 1618	104	6.	.5	1345.4	* 29 SEP 2224	165	3.	.3	1345.2
29 SEP 1018	44	4.	.3	1345.3	* 29 SEP 1624	105	6.	.5	1345.4	* 29 SEP 2230	166	3.	.3	1345.2
29 SEP 1024	45	4.	.3	1345.3	* 29 SEP 1630	106	6.	.4	1345.4	* 29 SEP 2236	167	3.	.3	1345.2
29 SEP 1030	46	4.	.3	1345.3	* 29 SEP 1636	107	6.	.4	1345.4	* 29 SEP 2242	168	3.	.3	1345.2
29 SEP 1036	47	4.	.3	1345.3	* 29 SEP 1642	108	5.	.4	1345.4	* 29 SEP 2248	169	3.	.3	1345.2
29 SEP 1042	48	4.	.4	1345.3	* 29 SEP 1648	109	5.	.4	1345.4	* 29 SEP 2254	170	3.	.3	1345.2
29 SEP 1048	49	4.	.4	1345.3	* 29 SEP 1654	110	5.	.4	1345.4	* 29 SEP 2300	171	3.	.3	1345.2
29 SEP 1054	50	5.	.4	1345.3	* 29 SEP 1700	111	5.	.4	1345.3	* 29 SEP 2306	172	3.	.3	1345.2
29 SEP 1100	51	5.	.4	1345.3	* 29 SEP 1706	112	5.	.4	1345.3	* 29 SEP 2312	173	3.	.3	1345.2
29 SEP 1106	52	5.	.4	1345.4	* 29 SEP 1712	113	5.	.4	1345.3	* 29 SEP 2318	174	3.	.3	1345.2
29 SEP 1112	53	5.	.4	1345.4	* 29 SEP 1718	114	5.	.4	1345.3	* 29 SEP 2324	175	3.	.3	1345.2
29 SEP 1118	54	6.	.5	1345.4	* 29 SEP 1724	115	5.	.4	1345.3	* 29 SEP 2330	176	3.	.3	1345.2
29 SEP 1124	55	6.	.5	1345.4	* 29 SEP 1730	116	5.	.4	1345.3	* 29 SEP 2336	177	3.	.3	1345.2
29 SEP 1130	56	7.	.5	1345.4	* 29 SEP 1736	117	5.	.4	1345.3	* 29 SEP 2342	178	3.	.3	1345.2
29 SEP 1136	57	8.	.6	1345.5	* 29 SEP 1742	118	4.	.4	1345.3	* 29 SEP 2348	179	3.	.3	1345.2
29 SEP 1142	58	11.	.7	1345.6	* 29 SEP 1748	119	4.	.4	1345.3	* 29 SEP 2354	180	3.	.3	1345.2
29 SEP 1148	59	18.	1.0	1345.8	* 29 SEP 1754	120	4.	.4	1345.3	* 30 SEP 0000	181	3.	.3	1345.2
29 SEP 1154	60	30.	1.4	1346.2	* 29 SEP 1800	121	4.	.3	1345.3	*				
29 SEP 1200	61	45.	1.9	1346.5	* 29 SEP 1806	122	4.	.3	1345.3	*				

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
+ (CFS)	(HR)				
+ 71.	6.30	18.	8.	8.	8.
	(INCHES)	2.216	2.896	2.896	2.896
	(AC-FT)	9.	12.	12.	12.
PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
+ (AC-FT)	(HR)	6-HR	24-HR	72-HR	18.00-HR
+ 3.	6.30	1.	0.	0.	0.
PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
+ (FEET)	(HR)	6-HR	24-HR	72-HR	18.00-HR
+ 1347.06	6.30	1345.76	1345.41	1345.41	1345.41

CUMULATIVE AREA = .08 SQ MI

*** **

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 0754	20	.01	.01	.00	0.	*	29 SEP 1700	111	.01	.00	.01	1.
29 SEP 0800	21	.01	.01	.00	0.	*	29 SEP 1706	112	.01	.00	.01	1.
29 SEP 0806	22	.01	.01	.01	0.	*	29 SEP 1712	113	.01	.00	.01	1.
29 SEP 0812	23	.01	.01	.01	0.	*	29 SEP 1718	114	.01	.00	.01	1.
29 SEP 0818	24	.01	.01	.01	0.	*	29 SEP 1724	115	.01	.00	.01	1.
29 SEP 0824	25	.01	.01	.01	0.	*	29 SEP 1730	116	.01	.00	.01	1.
29 SEP 0830	26	.01	.01	.01	0.	*	29 SEP 1736	117	.01	.00	.01	1.
29 SEP 0836	27	.02	.01	.01	0.	*	29 SEP 1742	118	.01	.00	.01	1.
29 SEP 0842	28	.02	.01	.01	1.	*	29 SEP 1748	119	.01	.00	.01	0.
29 SEP 0848	29	.02	.01	.01	1.	*	29 SEP 1754	120	.01	.00	.01	0.
29 SEP 0854	30	.02	.01	.01	1.	*	29 SEP 1800	121	.01	.00	.01	0.
29 SEP 0900	31	.02	.01	.01	1.	*	29 SEP 1806	122	.01	.00	.01	0.
29 SEP 0906	32	.02	.01	.01	1.	*	29 SEP 1812	123	.01	.00	.01	1.
29 SEP 0912	33	.02	.01	.01	1.	*	29 SEP 1818	124	.01	.00	.01	1.
29 SEP 0918	34	.02	.01	.01	1.	*	29 SEP 1824	125	.01	.00	.01	1.
29 SEP 0924	35	.02	.01	.01	1.	*	29 SEP 1830	126	.01	.00	.01	1.
29 SEP 0930	36	.02	.01	.01	1.	*	29 SEP 1836	127	.01	.00	.01	1.
29 SEP 0936	37	.02	.01	.01	1.	*	29 SEP 1842	128	.01	.00	.01	1.
29 SEP 0942	38	.02	.01	.01	1.	*	29 SEP 1848	129	.01	.00	.01	1.
29 SEP 0948	39	.02	.01	.01	1.	*	29 SEP 1854	130	.01	.00	.01	1.
29 SEP 0954	40	.02	.01	.01	1.	*	29 SEP 1900	131	.01	.00	.01	1.
29 SEP 1000	41	.02	.01	.01	1.	*	29 SEP 1906	132	.01	.00	.01	1.
29 SEP 1006	42	.03	.02	.01	1.	*	29 SEP 1912	133	.01	.00	.01	1.
29 SEP 1012	43	.03	.02	.01	1.	*	29 SEP 1918	134	.01	.00	.01	1.
29 SEP 1018	44	.03	.02	.01	1.	*	29 SEP 1924	135	.01	.00	.01	1.
29 SEP 1024	45	.03	.02	.01	1.	*	29 SEP 1930	136	.01	.00	.01	1.
29 SEP 1030	46	.03	.02	.01	1.	*	29 SEP 1936	137	.01	.00	.01	1.
29 SEP 1036	47	.04	.02	.01	1.	*	29 SEP 1942	138	.01	.00	.01	1.
29 SEP 1042	48	.04	.02	.01	1.	*	29 SEP 1948	139	.01	.00	.01	1.
29 SEP 1048	49	.04	.02	.01	1.	*	29 SEP 1954	140	.01	.00	.01	1.
29 SEP 1054	50	.04	.02	.01	1.	*	29 SEP 2000	141	.01	.00	.01	1.
29 SEP 1100	51	.04	.02	.01	1.	*	29 SEP 2006	142	.01	.00	.01	1.
29 SEP 1106	52	.06	.03	.02	1.	*	29 SEP 2012	143	.01	.00	.01	1.
29 SEP 1112	53	.06	.03	.02	2.	*	29 SEP 2018	144	.01	.00	.01	0.
29 SEP 1118	54	.06	.03	.02	2.	*	29 SEP 2024	145	.01	.00	.01	0.
29 SEP 1124	55	.06	.03	.02	2.	*	29 SEP 2030	146	.01	.00	.01	0.
29 SEP 1130	56	.06	.03	.02	2.	*	29 SEP 2036	147	.01	.00	.01	0.
29 SEP 1136	57	.44	.26	.18	4.	*	29 SEP 2042	148	.01	.00	.01	0.
29 SEP 1142	58	.44	.23	.21	10.	*	29 SEP 2048	149	.01	.00	.01	0.
29 SEP 1148	59	.44	.20	.23	15.	*	29 SEP 2054	150	.01	.00	.01	0.
29 SEP 1154	60	.44	.18	.26	18.	*	29 SEP 2100	151	.01	.00	.01	0.
29 SEP 1200	61	.44	.16	.27	20.	*	29 SEP 2106	152	.01	.00	.01	0.
29 SEP 1206	62	.08	.03	.05	19.	*	29 SEP 2112	153	.01	.00	.01	0.
29 SEP 1212	63	.08	.03	.05	13.	*	29 SEP 2118	154	.01	.00	.01	0.
29 SEP 1218	64	.08	.03	.06	8.	*	29 SEP 2124	155	.01	.00	.01	0.
29 SEP 1224	65	.08	.03	.06	6.	*	29 SEP 2130	156	.01	.00	.01	0.
29 SEP 1230	66	.08	.03	.06	5.	*	29 SEP 2136	157	.01	.00	.01	0.
29 SEP 1236	67	.04	.01	.03	5.	*	29 SEP 2142	158	.01	.00	.01	0.
29 SEP 1242	68	.04	.01	.03	4.	*	29 SEP 2148	159	.01	.00	.01	0.
29 SEP 1248	69	.04	.01	.03	3.	*	29 SEP 2154	160	.01	.00	.01	0.
29 SEP 1254	70	.04	.01	.03	3.	*	29 SEP 2200	161	.01	.00	.01	0.
29 SEP 1300	71	.04	.01	.03	3.	*	29 SEP 2206	162	.01	.00	.01	0.
29 SEP 1306	72	.03	.01	.02	2.	*	29 SEP 2212	163	.01	.00	.01	0.
29 SEP 1312	73	.03	.01	.02	2.	*	29 SEP 2218	164	.01	.00	.01	0.
29 SEP 1318	74	.03	.01	.02	2.	*	29 SEP 2224	165	.01	.00	.01	0.
29 SEP 1324	75	.03	.01	.02	2.	*	29 SEP 2230	166	.01	.00	.01	0.
29 SEP 1330	76	.03	.01	.02	2.	*	29 SEP 2236	167	.01	.00	.01	0.
29 SEP 1336	77	.02	.01	.02	2.	*	29 SEP 2242	168	.01	.00	.01	0.
29 SEP 1342	78	.02	.01	.02	2.	*	29 SEP 2248	169	.01	.00	.01	0.
29 SEP 1348	79	.02	.01	.02	2.	*	29 SEP 2254	170	.01	.00	.01	0.
29 SEP 1354	80	.02	.01	.02	2.	*	29 SEP 2300	171	.01	.00	.01	0.
29 SEP 1400	81	.02	.01	.02	1.	*	29 SEP 2306	172	.01	.00	.01	0.
29 SEP 1406	82	.02	.00	.01	1.	*	29 SEP 2312	173	.01	.00	.01	0.
29 SEP 1412	83	.02	.00	.01	1.	*	29 SEP 2318	174	.01	.00	.01	0.
29 SEP 1418	84	.02	.00	.01	1.	*	29 SEP 2324	175	.01	.00	.01	0.
29 SEP 1424	85	.02	.00	.01	1.	*	29 SEP 2330	176	.01	.00	.01	0.
29 SEP 1430	86	.02	.00	.01	1.	*	29 SEP 2336	177	.01	.00	.01	0.
29 SEP 1436	87	.02	.00	.01	1.	*	29 SEP 2342	178	.01	.00	.01	0.
29 SEP 1442	88	.02	.00	.01	1.	*	29 SEP 2348	179	.01	.00	.01	0.
29 SEP 1448	89	.02	.00	.01	1.	*	29 SEP 2354	180	.01	.00	.01	0.
29 SEP 1454	90	.02	.00	.01	1.	*	30 SEP 0000	181	.01	.00	.01	0.
29 SEP 1500	91	.02	.00	.01	1.	*						

TOTAL RAINFALL = 5.30, TOTAL LOSS = 2.32, TOTAL EXCESS = 2.98

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
+ (CFS)	(HR)	6-HR	24-HR	72-HR	18.00-HR

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
+ 82.	6.20	21.	9.	9.	9.	
		(INCHES)	2.216	2.907	2.907	2.907
		(AC-FT)	11.	14.	14.	14.
CUMULATIVE AREA =		.09 SQ MI				

*** ** ** ** **

```
*****
*
42 KK *   POND2 *
*
*****
```

HYDROGRAPHE ROUTING DATA

43 RS	STORAGE ROUTING						
	NSTPS	1	NUMBER OF SUBREACHES				
	ITYP	ELEV	TYPE OF INITIAL CONDITION				
	RSVRIC	1341.00	INITIAL CONDITION				
	X	.00	WORKING R AND D COEFFICIENT				
44 SA	AREA	.9	.9	1.0	1.1	1.2	1.3
45 SE	ELEVATION	1341.00	1342.00	1343.00	1344.00	1345.00	1346.00
47 SS	SPILLWAY						
	CREL	1341.00	SPILLWAY CREST ELEVATION				
	SPWID	6.00	SPILLWAY WIDTH				
	COQW	3.00	WEIR COEFFICIENT				
	EXPW	1.50	EXPONENT OF HEAD				

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.90	1.87	2.92	4.06	5.28
ELEVATION	1341.00	1342.00	1343.00	1344.00	1345.00	1346.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.03	.28	.93	2.21	4.31	7.45	11.84	17.67
ELEVATION	1341.00	1341.00	1341.02	1341.06	1341.14	1341.25	1341.39	1341.56	1341.76	1341.99
OUTFLOW	25.16	34.51	45.93	59.63	75.81	94.69	116.46	141.34	169.53	201.25
ELEVATION	1342.25	1342.54	1342.87	1343.22	1343.61	1344.02	1344.47	1344.95	1345.46	1346.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.05	.12	.21	.34	.49	.67	.89	.90
OUTFLOW	.00	.03	.28	.93	2.21	4.31	7.45	11.84	17.67	18.00
ELEVATION	1341.00	1341.02	1341.06	1341.14	1341.25	1341.39	1341.56	1341.76	1341.99	1342.00
STORAGE	1.14	1.42	1.74	1.87	2.10	2.50	2.92	2.95	3.45	4.00
OUTFLOW	25.16	34.51	45.93	50.91	59.63	75.81	93.53	94.69	116.46	141.34
ELEVATION	1342.25	1342.54	1342.87	1343.00	1343.22	1343.61	1344.00	1344.02	1344.47	1344.95
STORAGE	4.06	4.61	5.28							
OUTFLOW	144.00	169.53	201.25							
ELEVATION	1345.00	1345.46	1346.00							

HYDROGRAPHE AT STATION POND2

```
*****
*
DA MON HRMN ORD OUTFLOW STORAGE STAGE * DA MON HRMN ORD OUTFLOW STORAGE STAGE * DA MON HRMN ORD OUTFLOW STORAGE STAGE
*
*****
```

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 0600	1	0.	.0	1341.0	*	29 SEP 1206	62	37.	1.5	1342.6	*	29 SEP 1812	123	5.	.4	1341.4
29 SEP 0606	2	0.	.0	1341.0	*	29 SEP 1212	63	48.	1.8	1342.9	*	29 SEP 1818	124	5.	.4	1341.4
29 SEP 0612	3	0.	.0	1341.0	*	29 SEP 1218	64	57.	2.0	1343.2	*	29 SEP 1824	125	5.	.4	1341.4
29 SEP 0618	4	0.	.0	1341.0	*	29 SEP 1224	65	63.	2.2	1343.3	*	29 SEP 1830	126	5.	.4	1341.4
29 SEP 0624	5	0.	.0	1341.0	*	29 SEP 1230	66	65.	2.2	1343.3	*	29 SEP 1836	127	5.	.4	1341.4
29 SEP 0630	6	0.	.0	1341.0	*	29 SEP 1236	67	64.	2.2	1343.3	*	29 SEP 1842	128	5.	.4	1341.4
29 SEP 0636	7	0.	.0	1341.0	*	29 SEP 1242	68	62.	2.2	1343.3	*	29 SEP 1848	129	5.	.3	1341.4
29 SEP 0642	8	0.	.0	1341.0	*	29 SEP 1248	69	58.	2.1	1343.2	*	29 SEP 1854	130	5.	.3	1341.4
29 SEP 0648	9	0.	.0	1341.0	*	29 SEP 1254	70	54.	1.9	1343.1	*	29 SEP 1900	131	4.	.3	1341.4
29 SEP 0654	10	0.	.0	1341.0	*	29 SEP 1300	71	49.	1.8	1343.0	*	29 SEP 1906	132	4.	.3	1341.4
29 SEP 0700	11	0.	.0	1341.0	*	29 SEP 1306	72	45.	1.7	1342.8	*	29 SEP 1912	133	4.	.3	1341.4
29 SEP 0706	12	0.	.0	1341.1	*	29 SEP 1312	73	41.	1.6	1342.7	*	29 SEP 1918	134	4.	.3	1341.4
29 SEP 0712	13	0.	.1	1341.1	*	29 SEP 1318	74	37.	1.5	1342.6	*	29 SEP 1924	135	4.	.3	1341.4
29 SEP 0718	14	0.	.1	1341.1	*	29 SEP 1324	75	34.	1.4	1342.5	*	29 SEP 1930	136	4.	.3	1341.4
29 SEP 0724	15	0.	.1	1341.1	*	29 SEP 1330	76	31.	1.3	1342.4	*	29 SEP 1936	137	4.	.3	1341.4
29 SEP 0730	16	1.	.1	1341.1	*	29 SEP 1336	77	28.	1.2	1342.3	*	29 SEP 1942	138	4.	.3	1341.4
29 SEP 0736	17	1.	.1	1341.1	*	29 SEP 1342	78	26.	1.2	1342.3	*	29 SEP 1948	139	4.	.3	1341.4
29 SEP 0742	18	1.	.1	1341.1	*	29 SEP 1348	79	24.	1.1	1342.2	*	29 SEP 1954	140	4.	.3	1341.4
29 SEP 0748	19	1.	.1	1341.1	*	29 SEP 1354	80	22.	1.0	1342.1	*	29 SEP 2000	141	4.	.3	1341.4
29 SEP 0754	20	1.	.1	1341.1	*	29 SEP 1400	81	21.	1.0	1342.1	*	29 SEP 2006	142	4.	.3	1341.4
29 SEP 0800	21	1.	.1	1341.1	*	29 SEP 1406	82	19.	.9	1342.0	*	29 SEP 2012	143	4.	.3	1341.4
29 SEP 0806	22	1.	.1	1341.2	*	29 SEP 1412	83	18.	.9	1342.0	*	29 SEP 2018	144	4.	.3	1341.4
29 SEP 0812	23	1.	.1	1341.2	*	29 SEP 1418	84	17.	.9	1341.9	*	29 SEP 2024	145	4.	.3	1341.4
29 SEP 0818	24	1.	.1	1341.2	*	29 SEP 1424	85	16.	.8	1341.9	*	29 SEP 2030	146	4.	.3	1341.4
29 SEP 0824	25	1.	.2	1341.2	*	29 SEP 1430	86	15.	.8	1341.9	*	29 SEP 2036	147	4.	.3	1341.4
29 SEP 0830	26	2.	.2	1341.2	*	29 SEP 1436	87	14.	.7	1341.8	*	29 SEP 2042	148	4.	.3	1341.4
29 SEP 0836	27	2.	.2	1341.2	*	29 SEP 1442	88	13.	.7	1341.8	*	29 SEP 2048	149	4.	.3	1341.4
29 SEP 0842	28	2.	.2	1341.2	*	29 SEP 1448	89	12.	.7	1341.8	*	29 SEP 2054	150	4.	.3	1341.4
29 SEP 0848	29	2.	.2	1341.2	*	29 SEP 1454	90	12.	.7	1341.7	*	29 SEP 2100	151	4.	.3	1341.4
29 SEP 0854	30	2.	.2	1341.2	*	29 SEP 1500	91	11.	.6	1341.7	*	29 SEP 2106	152	4.	.3	1341.4
29 SEP 0900	31	2.	.2	1341.2	*	29 SEP 1506	92	11.	.6	1341.7	*	29 SEP 2112	153	4.	.3	1341.4
29 SEP 0906	32	2.	.2	1341.2	*	29 SEP 1512	93	10.	.6	1341.7	*	29 SEP 2118	154	4.	.3	1341.4
29 SEP 0912	33	2.	.2	1341.2	*	29 SEP 1518	94	10.	.6	1341.7	*	29 SEP 2124	155	4.	.3	1341.3
29 SEP 0918	34	2.	.2	1341.3	*	29 SEP 1524	95	10.	.6	1341.7	*	29 SEP 2130	156	4.	.3	1341.3
29 SEP 0924	35	2.	.2	1341.3	*	29 SEP 1530	96	9.	.6	1341.6	*	29 SEP 2136	157	4.	.3	1341.3
29 SEP 0930	36	3.	.2	1341.3	*	29 SEP 1536	97	9.	.6	1341.6	*	29 SEP 2142	158	4.	.3	1341.3
29 SEP 0936	37	3.	.2	1341.3	*	29 SEP 1542	98	9.	.5	1341.6	*	29 SEP 2148	159	4.	.3	1341.3
29 SEP 0942	38	3.	.2	1341.3	*	29 SEP 1548	99	9.	.5	1341.6	*	29 SEP 2154	160	3.	.3	1341.3
29 SEP 0948	39	3.	.3	1341.3	*	29 SEP 1554	100	8.	.5	1341.6	*	29 SEP 2200	161	3.	.3	1341.3
29 SEP 0954	40	3.	.3	1341.3	*	29 SEP 1600	101	8.	.5	1341.6	*	29 SEP 2206	162	3.	.3	1341.3
29 SEP 1000	41	3.	.3	1341.3	*	29 SEP 1606	102	8.	.5	1341.6	*	29 SEP 2212	163	3.	.3	1341.3
29 SEP 1006	42	3.	.3	1341.3	*	29 SEP 1612	103	8.	.5	1341.6	*	29 SEP 2218	164	3.	.3	1341.3
29 SEP 1012	43	3.	.3	1341.3	*	29 SEP 1618	104	8.	.5	1341.6	*	29 SEP 2224	165	3.	.3	1341.3
29 SEP 1018	44	3.	.3	1341.3	*	29 SEP 1624	105	8.	.5	1341.6	*	29 SEP 2230	166	3.	.3	1341.3
29 SEP 1024	45	4.	.3	1341.3	*	29 SEP 1630	106	7.	.5	1341.6	*	29 SEP 2236	167	3.	.3	1341.3
29 SEP 1030	46	4.	.3	1341.3	*	29 SEP 1636	107	7.	.5	1341.5	*	29 SEP 2242	168	3.	.3	1341.3
29 SEP 1036	47	4.	.3	1341.4	*	29 SEP 1642	108	7.	.5	1341.5	*	29 SEP 2248	169	3.	.3	1341.3
29 SEP 1042	48	4.	.3	1341.4	*	29 SEP 1648	109	7.	.5	1341.5	*	29 SEP 2254	170	3.	.3	1341.3
29 SEP 1048	49	4.	.3	1341.4	*	29 SEP 1654	110	7.	.5	1341.5	*	29 SEP 2300	171	3.	.3	1341.3
29 SEP 1054	50	4.	.3	1341.4	*	29 SEP 1700	111	7.	.4	1341.5	*	29 SEP 2306	172	3.	.3	1341.3
29 SEP 1100	51	5.	.4	1341.4	*	29 SEP 1706	112	6.	.4	1341.5	*	29 SEP 2312	173	3.	.3	1341.3
29 SEP 1106	52	5.	.4	1341.4	*	29 SEP 1712	113	6.	.4	1341.5	*	29 SEP 2318	174	3.	.3	1341.3
29 SEP 1112	53	5.	.4	1341.4	*	29 SEP 1718	114	6.	.4	1341.5	*	29 SEP 2324	175	3.	.3	1341.3
29 SEP 1118	54	5.	.4	1341.4	*	29 SEP 1724	115	6.	.4	1341.5	*	29 SEP 2330	176	3.	.3	1341.3
29 SEP 1124	55	6.	.4	1341.5	*	29 SEP 1730	116	6.	.4	1341.5	*	29 SEP 2336	177	3.	.3	1341.3
29 SEP 1130	56	6.	.4	1341.5	*	29 SEP 1736	117	6.	.4	1341.5	*	29 SEP 2342	178	3.	.3	1341.3
29 SEP 1136	57	7.	.5	1341.5	*	29 SEP 1742	118	6.	.4	1341.5	*	29 SEP 2348	179	3.	.3	1341.3
29 SEP 1142	58	9.	.5	1341.6	*	29 SEP 1748	119	6.	.4	1341.5	*	29 SEP 2354	180	3.	.3	1341.3
29 SEP 1148	59	12.	.7	1341.8	*	29 SEP 1754	120	5.	.4	1341.4	*	30 SEP 0000	181	3.	.3	1341.3
29 SEP 1154	60	18.	.9	1342.0	*	29 SEP 1800	121	5.	.4	1341.4	*					
29 SEP 1200	61	26.	1.2	1342.3	*	29 SEP 1806	122	5.	.4	1341.4	*					
					*						*					

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
+ (CFS)	(HR)				
+ 65.	6.50	21.	9.	9.	9.
	(INCHES)	2.203	2.851	2.851	2.851
	(AC-FT)	11.	14.	14.	14.
PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	18.00-HR
+ (AC-FT)	(HR)				
+ 2.	6.50	1.	0.	0.	0.
PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	18.00-HR
+ (FEET)	(HR)				

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

1343.34 6.50 1342.04 1341.54 1341.54 1341.54

CUMULATIVE AREA = .09 SQ MI

*** **

```

*****
*
*
48 KK      *      4 *
*
*
*****
    
```

```

3 IN      TIME DATA FOR INPUT TIME SERIES
          JXMIN      30  TIME INTERVAL IN MINUTES
          JXDATE    29SEP92  STARTING DATE
          JXTIME    600  STARTING TIME
    
```

SUBBASIN RUNOFF DATA

```

49 BA      SUBBASIN CHARACTERISTICS
          TAREA      .12  SUBBASIN AREA
    
```

PRECIPITATION DATA

```

50 PB      STORM      5.30  BASIN TOTAL PRECIPITATION
    
```

```

51 PI      INCREMENTAL PRECIPITATION PATTERN
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .01 .01 .01 .01 .01
          .01 .01 .01 .01 .01 .08 .08 .08 .08 .08
          .01 .01 .01 .01 .01 .01 .01 .01 .01 .01
          .01 .01 .01 .01 .01 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
          .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
    
```

```

55 LS      SCS LOSS RATE
          STRL      .82  INITIAL ABSTRACTION
          CRVNR    71.00  CURVE NUMBER
          RTIMP    38.00  PERCENT IMPERVIOUS AREA
    
```

```

56 UD      SCS DIMENSIONLESS UNITGRAPH
          TLAG      .24  LAG
    
```

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

UNIT HYDROGRAPH
14 END-OF-PERIOD ORDINATES

49.	160.	198.	159.	88.	51.	29.	17.	9.	5.
3.	2.	1.	0.						

HYDROGRAPH AT STATION 4

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
29	SEP	0600	1	.00	.00	.00	0.	*	29	SEP	1506	92	.02	.00	.01	11.
29	SEP	0606	2	.01	.01	.00	0.	*	29	SEP	1512	93	.02	.00	.01	11.
29	SEP	0612	3	.01	.01	.00	1.	*	29	SEP	1518	94	.02	.00	.01	11.
29	SEP	0618	4	.01	.01	.00	2.	*	29	SEP	1524	95	.02	.00	.01	11.
29	SEP	0624	5	.01	.01	.00	2.	*	29	SEP	1530	96	.02	.00	.01	11.

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 0630	6	.01	.01	.00	3.	*	29 SEP 1536	97	.02	.00	.01	11.
29 SEP 0636	7	.01	.01	.00	3.	*	29 SEP 1542	98	.02	.00	.01	11.
29 SEP 0642	8	.01	.01	.00	3.	*	29 SEP 1548	99	.02	.00	.01	11.
29 SEP 0648	9	.01	.01	.00	3.	*	29 SEP 1554	100	.02	.00	.01	11.
29 SEP 0654	10	.01	.01	.00	3.	*	29 SEP 1600	101	.02	.00	.01	11.
29 SEP 0700	11	.01	.01	.00	3.	*	29 SEP 1606	102	.01	.00	.01	11.
29 SEP 0706	12	.01	.01	.00	3.	*	29 SEP 1612	103	.01	.00	.01	10.
29 SEP 0712	13	.01	.01	.00	3.	*	29 SEP 1618	104	.01	.00	.01	9.
29 SEP 0718	14	.01	.01	.00	3.	*	29 SEP 1624	105	.01	.00	.01	8.
29 SEP 0724	15	.01	.01	.00	3.	*	29 SEP 1630	106	.01	.00	.01	8.
29 SEP 0730	16	.01	.01	.00	3.	*	29 SEP 1636	107	.01	.00	.01	8.
29 SEP 0736	17	.01	.01	.00	3.	*	29 SEP 1642	108	.01	.00	.01	8.
29 SEP 0742	18	.01	.01	.00	3.	*	29 SEP 1648	109	.01	.00	.01	8.
29 SEP 0748	19	.01	.01	.00	3.	*	29 SEP 1654	110	.01	.00	.01	7.
29 SEP 0754	20	.01	.01	.00	3.	*	29 SEP 1700	111	.01	.00	.01	7.
29 SEP 0800	21	.01	.01	.00	3.	*	29 SEP 1706	112	.01	.00	.01	7.
29 SEP 0806	22	.01	.01	.01	3.	*	29 SEP 1712	113	.01	.00	.01	7.
29 SEP 0812	23	.01	.01	.01	4.	*	29 SEP 1718	114	.01	.00	.01	7.
29 SEP 0818	24	.01	.01	.01	4.	*	29 SEP 1724	115	.01	.00	.01	7.
29 SEP 0824	25	.01	.01	.01	4.	*	29 SEP 1730	116	.01	.00	.01	7.
29 SEP 0830	26	.01	.01	.01	4.	*	29 SEP 1736	117	.01	.00	.01	7.
29 SEP 0836	27	.02	.01	.01	4.	*	29 SEP 1742	118	.01	.00	.01	7.
29 SEP 0842	28	.02	.01	.01	4.	*	29 SEP 1748	119	.01	.00	.01	6.
29 SEP 0848	29	.02	.01	.01	5.	*	29 SEP 1754	120	.01	.00	.01	5.
29 SEP 0854	30	.02	.01	.01	5.	*	29 SEP 1800	121	.01	.00	.01	5.
29 SEP 0900	31	.02	.01	.01	5.	*	29 SEP 1806	122	.01	.00	.01	5.
29 SEP 0906	32	.02	.01	.01	5.	*	29 SEP 1812	123	.01	.00	.01	5.
29 SEP 0912	33	.02	.01	.01	5.	*	29 SEP 1818	124	.01	.00	.01	6.
29 SEP 0918	34	.02	.01	.01	5.	*	29 SEP 1824	125	.01	.00	.01	6.
29 SEP 0924	35	.02	.01	.01	5.	*	29 SEP 1830	126	.01	.00	.01	6.
29 SEP 0930	36	.02	.01	.01	5.	*	29 SEP 1836	127	.01	.00	.01	7.
29 SEP 0936	37	.02	.01	.01	5.	*	29 SEP 1842	128	.01	.00	.01	7.
29 SEP 0942	38	.02	.01	.01	6.	*	29 SEP 1848	129	.01	.00	.01	7.
29 SEP 0948	39	.02	.01	.01	6.	*	29 SEP 1854	130	.01	.00	.01	7.
29 SEP 0954	40	.02	.01	.01	6.	*	29 SEP 1900	131	.01	.00	.01	7.
29 SEP 1000	41	.02	.01	.01	6.	*	29 SEP 1906	132	.01	.00	.01	7.
29 SEP 1006	42	.03	.02	.01	6.	*	29 SEP 1912	133	.01	.00	.01	7.
29 SEP 1012	43	.03	.02	.01	6.	*	29 SEP 1918	134	.01	.00	.01	7.
29 SEP 1018	44	.03	.02	.01	7.	*	29 SEP 1924	135	.01	.00	.01	7.
29 SEP 1024	45	.03	.02	.01	7.	*	29 SEP 1930	136	.01	.00	.01	7.
29 SEP 1030	46	.03	.02	.01	7.	*	29 SEP 1936	137	.01	.00	.01	7.
29 SEP 1036	47	.04	.02	.01	8.	*	29 SEP 1942	138	.01	.00	.01	7.
29 SEP 1042	48	.04	.02	.01	8.	*	29 SEP 1948	139	.01	.00	.01	7.
29 SEP 1048	49	.04	.02	.01	9.	*	29 SEP 1954	140	.01	.00	.01	7.
29 SEP 1054	50	.04	.02	.01	10.	*	29 SEP 2000	141	.01	.00	.01	7.
29 SEP 1100	51	.04	.02	.01	10.	*	29 SEP 2006	142	.01	.00	.01	7.
29 SEP 1106	52	.06	.03	.02	11.	*	29 SEP 2012	143	.01	.00	.01	6.
29 SEP 1112	53	.06	.03	.02	12.	*	29 SEP 2018	144	.01	.00	.01	6.
29 SEP 1118	54	.06	.03	.02	14.	*	29 SEP 2024	145	.01	.00	.01	5.
29 SEP 1124	55	.06	.03	.03	16.	*	29 SEP 2030	146	.01	.00	.01	5.
29 SEP 1130	56	.06	.03	.03	17.	*	29 SEP 2036	147	.01	.00	.01	5.
29 SEP 1136	57	.44	.21	.23	28.	*	29 SEP 2042	148	.01	.00	.01	5.
29 SEP 1142	58	.44	.17	.26	63.	*	29 SEP 2048	149	.01	.00	.01	5.
29 SEP 1148	59	.44	.15	.29	110.	*	29 SEP 2054	150	.01	.00	.01	5.
29 SEP 1154	60	.44	.13	.31	155.	*	29 SEP 2100	151	.01	.00	.01	5.
29 SEP 1200	61	.44	.11	.33	188.	*	29 SEP 2106	152	.01	.00	.01	5.
29 SEP 1206	62	.08	.02	.06	199.	*	29 SEP 2112	153	.01	.00	.01	5.
29 SEP 1212	63	.08	.02	.06	174.	*	29 SEP 2118	154	.01	.00	.01	5.
29 SEP 1218	64	.08	.02	.06	132.	*	29 SEP 2124	155	.01	.00	.01	5.
29 SEP 1224	65	.08	.02	.07	96.	*	29 SEP 2130	156	.01	.00	.01	5.
29 SEP 1230	66	.08	.02	.07	76.	*	29 SEP 2136	157	.01	.00	.01	5.
29 SEP 1236	67	.04	.01	.03	64.	*	29 SEP 2142	158	.01	.00	.01	5.
29 SEP 1242	68	.04	.01	.03	52.	*	29 SEP 2148	159	.01	.00	.01	5.
29 SEP 1248	69	.04	.01	.03	42.	*	29 SEP 2154	160	.01	.00	.01	5.
29 SEP 1254	70	.04	.01	.03	35.	*	29 SEP 2200	161	.01	.00	.01	5.
29 SEP 1300	71	.04	.01	.03	31.	*	29 SEP 2206	162	.01	.00	.01	5.
29 SEP 1306	72	.03	.01	.03	29.	*	29 SEP 2212	163	.01	.00	.01	5.
29 SEP 1312	73	.03	.01	.03	26.	*	29 SEP 2218	164	.01	.00	.01	5.
29 SEP 1318	74	.03	.01	.03	23.	*	29 SEP 2224	165	.01	.00	.01	5.
29 SEP 1324	75	.03	.01	.03	22.	*	29 SEP 2230	166	.01	.00	.01	5.
29 SEP 1330	76	.03	.01	.03	21.	*	29 SEP 2236	167	.01	.00	.01	5.
29 SEP 1336	77	.02	.00	.02	20.	*	29 SEP 2242	168	.01	.00	.01	5.
29 SEP 1342	78	.02	.00	.02	19.	*	29 SEP 2248	169	.01	.00	.01	5.
29 SEP 1348	79	.02	.00	.02	17.	*	29 SEP 2254	170	.01	.00	.01	5.
29 SEP 1354	80	.02	.00	.02	16.	*	29 SEP 2300	171	.01	.00	.01	5.
29 SEP 1400	81	.02	.00	.02	16.	*	29 SEP 2306	172	.01	.00	.01	5.
29 SEP 1406	82	.02	.00	.01	15.	*	29 SEP 2312	173	.01	.00	.01	5.
29 SEP 1412	83	.02	.00	.01	14.	*	29 SEP 2318	174	.01	.00	.01	5.
29 SEP 1418	84	.02	.00	.01	13.	*	29 SEP 2324	175	.01	.00	.01	5.
29 SEP 1424	85	.02	.00	.01	12.	*	29 SEP 2330	176	.01	.00	.01	5.

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 1430	86	.02	.00	.01	12.	*	29 SEP 2336	177	.01	.00	.01	5.
29 SEP 1436	87	.02	.00	.01	11.	*	29 SEP 2342	178	.01	.00	.01	5.
29 SEP 1442	88	.02	.00	.01	11.	*	29 SEP 2348	179	.01	.00	.01	5.
29 SEP 1448	89	.02	.00	.01	11.	*	29 SEP 2354	180	.01	.00	.01	5.
29 SEP 1454	90	.02	.00	.01	11.	*	30 SEP 0000	181	.01	.00	.01	5.
29 SEP 1500	91	.02	.00	.01	11.	*						

TOTAL RAINFALL = 5.30, TOTAL LOSS = 1.83, TOTAL EXCESS = 3.47

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR
199.	6.10	34.	15.	15.	15.
		(INCHES) 2.660	3.449	3.449	3.449
		(AC-FT) 17.	22.	22.	22.

CUMULATIVE AREA = .12 SQ MI

*** **

* *
57 KK * 1234 *
* *

58 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION 1234
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
29 SEP	0600	1	0.	*	29 SEP	1036	47	12.	*	29 SEP	1512	93	21.	*	29 SEP	1948	139	11.					
29 SEP	0606	2	0.	*	29 SEP	1042	48	12.	*	29 SEP	1518	94	21.	*	29 SEP	1954	140	11.					
29 SEP	0612	3	1.	*	29 SEP	1048	49	13.	*	29 SEP	1524	95	21.	*	29 SEP	2000	141	11.					
29 SEP	0618	4	2.	*	29 SEP	1054	50	14.	*	29 SEP	1530	96	20.	*	29 SEP	2006	142	11.					
29 SEP	0624	5	2.	*	29 SEP	1100	51	15.	*	29 SEP	1536	97	20.	*	29 SEP	2012	143	11.					
29 SEP	0630	6	3.	*	29 SEP	1106	52	16.	*	29 SEP	1542	98	20.	*	29 SEP	2018	144	10.					
29 SEP	0636	7	3.	*	29 SEP	1112	53	18.	*	29 SEP	1548	99	20.	*	29 SEP	2024	145	10.					
29 SEP	0642	8	3.	*	29 SEP	1118	54	20.	*	29 SEP	1554	100	19.	*	29 SEP	2030	146	9.					
29 SEP	0648	9	3.	*	29 SEP	1124	55	22.	*	29 SEP	1600	101	19.	*	29 SEP	2036	147	9.					
29 SEP	0654	10	3.	*	29 SEP	1130	56	24.	*	29 SEP	1606	102	19.	*	29 SEP	2042	148	9.					
29 SEP	0700	11	4.	*	29 SEP	1136	57	35.	*	29 SEP	1612	103	18.	*	29 SEP	2048	149	9.					
29 SEP	0706	12	4.	*	29 SEP	1142	58	71.	*	29 SEP	1618	104	17.	*	29 SEP	2054	150	9.					
29 SEP	0712	13	4.	*	29 SEP	1148	59	122.	*	29 SEP	1624	105	16.	*	29 SEP	2100	151	9.					
29 SEP	0718	14	4.	*	29 SEP	1154	60	172.	*	29 SEP	1630	106	15.	*	29 SEP	2106	152	8.					
29 SEP	0724	15	4.	*	29 SEP	1200	61	214.	*	29 SEP	1636	107	15.	*	29 SEP	2112	153	8.					
29 SEP	0730	16	4.	*	29 SEP	1206	62	237.	*	29 SEP	1642	108	15.	*	29 SEP	2118	154	8.					
29 SEP	0736	17	4.	*	29 SEP	1212	63	222.	*	29 SEP	1648	109	14.	*	29 SEP	2124	155	8.					
29 SEP	0742	18	4.	*	29 SEP	1218	64	189.	*	29 SEP	1654	110	14.	*	29 SEP	2130	156	8.					
29 SEP	0748	19	4.	*	29 SEP	1224	65	159.	*	29 SEP	1700	111	14.	*	29 SEP	2136	157	8.					
29 SEP	0754	20	4.	*	29 SEP	1230	66	141.	*	29 SEP	1706	112	14.	*	29 SEP	2142	158	8.					
29 SEP	0800	21	4.	*	29 SEP	1236	67	128.	*	29 SEP	1712	113	14.	*	29 SEP	2148	159	8.					
29 SEP	0806	22	5.	*	29 SEP	1242	68	114.	*	29 SEP	1718	114	14.	*	29 SEP	2154	160	8.					
29 SEP	0812	23	5.	*	29 SEP	1248	69	100.	*	29 SEP	1724	115	14.	*	29 SEP	2200	161	8.					
29 SEP	0818	24	5.	*	29 SEP	1254	70	89.	*	29 SEP	1730	116	13.	*	29 SEP	2206	162	8.					
29 SEP	0824	25	6.	*	29 SEP	1300	71	81.	*	29 SEP	1736	117	13.	*	29 SEP	2212	163	8.					
29 SEP	0830	26	6.	*	29 SEP	1306	72	74.	*	29 SEP	1742	118	12.	*	29 SEP	2218	164	8.					
29 SEP	0836	27	6.	*	29 SEP	1312	73	67.	*	29 SEP	1748	119	11.	*	29 SEP	2224	165	8.					
29 SEP	0842	28	6.	*	29 SEP	1318	74	61.	*	29 SEP	1754	120	11.	*	29 SEP	2230	166	8.					
29 SEP	0848	29	6.	*	29 SEP	1324	75	55.	*	29 SEP	1800	121	10.	*	29 SEP	2236	167	8.					
29 SEP	0854	30	7.	*	29 SEP	1330	76	52.	*	29 SEP	1806	122	10.	*	29 SEP	2242	168	8.					
29 SEP	0900	31	7.	*	29 SEP	1336	77	48.	*	29 SEP	1812	123	10.	*	29 SEP	2248	169	8.					
29 SEP	0906	32	7.	*	29 SEP	1342	78	45.	*	29 SEP	1818	124	11.	*	29 SEP	2254	170	8.					
29 SEP	0912	33	7.	*	29 SEP	1348	79	41.	*	29 SEP	1824	125	11.	*	29 SEP	2300	171	8.					

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

29 SEP 0918	34	7.	*	29 SEP 1354	80	39.	*	29 SEP 1830	126	11.	*	29 SEP 2306	172	8.
29 SEP 0924	35	8.	*	29 SEP 1400	81	36.	*	29 SEP 1836	127	11.	*	29 SEP 2312	173	8.
29 SEP 0930	36	8.	*	29 SEP 1406	82	34.	*	29 SEP 1842	128	11.	*	29 SEP 2318	174	8.
29 SEP 0936	37	8.	*	29 SEP 1412	83	32.	*	29 SEP 1848	129	11.	*	29 SEP 2324	175	8.
29 SEP 0942	38	8.	*	29 SEP 1418	84	30.	*	29 SEP 1854	130	11.	*	29 SEP 2330	176	8.
29 SEP 0948	39	9.	*	29 SEP 1424	85	28.	*	29 SEP 1900	131	11.	*	29 SEP 2336	177	8.
29 SEP 0954	40	9.	*	29 SEP 1430	86	26.	*	29 SEP 1906	132	11.	*	29 SEP 2342	178	8.
29 SEP 1000	41	9.	*	29 SEP 1436	87	25.	*	29 SEP 1912	133	11.	*	29 SEP 2348	179	8.
29 SEP 1006	42	9.	*	29 SEP 1442	88	24.	*	29 SEP 1918	134	11.	*	29 SEP 2354	180	8.
29 SEP 1012	43	10.	*	29 SEP 1448	89	23.	*	29 SEP 1924	135	11.	*	30 SEP 0000	181	8.
29 SEP 1018	44	10.	*	29 SEP 1454	90	23.	*	29 SEP 1930	136	11.	*			
29 SEP 1024	45	11.	*	29 SEP 1500	91	22.	*	29 SEP 1936	137	11.	*			
29 SEP 1030	46	11.	*	29 SEP 1506	92	22.	*	29 SEP 1942	138	11.	*			

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	18.00-HR	
237.	6.10	55.	24.	24.	24.	
		(INCHES)	2.456	3.192	3.192	3.192
		(AC-FT)	27.	36.	36.	36.

CUMULATIVE AREA = .21 SQ MI

*** **

```

*****
*          *
59 KK    * POND3 *
*          *
*****
    
```

HYDROGRAPH ROUTING DATA

60 RS	STORAGE ROUTING						
	NSTPS	1	NUMBER OF SUBREACHES				
	ITYP		ELEV TYPE OF INITIAL CONDITION				
	RSVRIC	1335.00	INITIAL CONDITION				
	X	.00	WORKING R AND D COEFFICIENT				
61 SA	AREA	6.4	6.9	7.4	7.9	8.5	9.0
62 SE	ELEVATION	1335.00	1336.00	1337.00	1338.00	1339.00	1340.00
64 SS	SPILLWAY						
	CREL	1335.00	SPILLWAY CREST ELEVATION				
	SPWID	5.00	SPILLWAY WIDTH				
	COOW	3.00	WEIR COEFFICIENT				
	EXPW	1.50	EXPONENT OF HEAD				

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	6.65	13.82	21.49	29.68	38.41
ELEVATION	1335.00	1336.00	1337.00	1338.00	1339.00	1340.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.03	.23	.78	1.84	3.59	6.21	9.86	14.72
ELEVATION	1335.00	1335.00	1335.02	1335.06	1335.14	1335.25	1335.39	1335.56	1335.76	1335.99
OUTFLOW	20.96	28.76	38.28	49.69	63.18	78.91	97.05	117.78	141.28	167.71
ELEVATION	1336.25	1336.54	1336.87	1337.22	1337.61	1338.02	1338.47	1338.95	1339.46	1340.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.10	.40	.89	1.60	2.51	3.63	4.98	6.57	6.65
OUTFLOW	.00	.03	.23	.78	1.84	3.59	6.21	9.86	14.72	15.00
ELEVATION	1335.00	1335.02	1335.06	1335.14	1335.25	1335.39	1335.56	1335.76	1335.99	1336.00
STORAGE	8.40	10.48	12.84	13.82	15.48	18.42	21.49	21.69	25.29	29.27
OUTFLOW	20.96	28.76	38.28	42.43	49.69	63.18	77.94	78.91	97.05	117.78

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

ELEVATION	1336.25	1336.54	1336.87	1337.00	1337.22	1337.61	1338.00	1338.02	1338.47	1338.95
STORAGE	29.68	33.63	38.41							
OUTFLOW	120.00	141.28	167.71							
ELEVATION	1339.00	1339.46	1340.00							

HYDROGRAPH AT STATION POND3

				*							*											
DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
29	SEP	0600	1	0.	.0	1335.0	*	29	SEP	1206	62	21.	8.5	1336.3	*	29	SEP	1812	123	25.	9.6	1336.4
29	SEP	0606	2	0.	.0	1335.0	*	29	SEP	1212	63	28.	10.2	1336.5	*	29	SEP	1818	124	25.	9.4	1336.4
29	SEP	0612	3	0.	.0	1335.0	*	29	SEP	1218	64	34.	11.7	1336.7	*	29	SEP	1824	125	24.	9.3	1336.4
29	SEP	0618	4	0.	.0	1335.0	*	29	SEP	1224	65	38.	12.8	1336.9	*	29	SEP	1830	126	24.	9.2	1336.4
29	SEP	0624	5	0.	.0	1335.0	*	29	SEP	1230	66	42.	13.7	1337.0	*	29	SEP	1836	127	24.	9.1	1336.4
29	SEP	0630	6	0.	.1	1335.0	*	29	SEP	1236	67	45.	14.5	1337.1	*	29	SEP	1842	128	23.	9.0	1336.3
29	SEP	0636	7	0.	.1	1335.0	*	29	SEP	1242	68	48.	15.1	1337.2	*	29	SEP	1848	129	23.	8.9	1336.3
29	SEP	0642	8	0.	.1	1335.0	*	29	SEP	1248	69	50.	15.6	1337.2	*	29	SEP	1854	130	23.	8.8	1336.3
29	SEP	0648	9	0.	.1	1335.0	*	29	SEP	1254	70	52.	15.9	1337.3	*	29	SEP	1900	131	22.	8.7	1336.3
29	SEP	0654	10	0.	.2	1335.0	*	29	SEP	1300	71	53.	16.2	1337.3	*	29	SEP	1906	132	22.	8.6	1336.3
29	SEP	0700	11	0.	.2	1335.0	*	29	SEP	1306	72	54.	16.4	1337.3	*	29	SEP	1912	133	22.	8.6	1336.3
29	SEP	0706	12	0.	.2	1335.0	*	29	SEP	1312	73	54.	16.5	1337.4	*	29	SEP	1918	134	21.	8.5	1336.3
29	SEP	0712	13	0.	.2	1335.0	*	29	SEP	1318	74	55.	16.6	1337.4	*	29	SEP	1924	135	21.	8.4	1336.2
29	SEP	0718	14	0.	.3	1335.0	*	29	SEP	1324	75	55.	16.6	1337.4	*	29	SEP	1930	136	21.	8.3	1336.2
29	SEP	0724	15	0.	.3	1335.0	*	29	SEP	1330	76	55.	16.6	1337.4	*	29	SEP	1936	137	20.	8.2	1336.2
29	SEP	0730	16	0.	.3	1335.1	*	29	SEP	1336	77	55.	16.6	1337.4	*	29	SEP	1942	138	20.	8.2	1336.2
29	SEP	0736	17	0.	.4	1335.1	*	29	SEP	1342	78	54.	16.5	1337.4	*	29	SEP	1948	139	20.	8.1	1336.2
29	SEP	0742	18	0.	.4	1335.1	*	29	SEP	1348	79	54.	16.4	1337.3	*	29	SEP	1954	140	20.	8.0	1336.2
29	SEP	0748	19	0.	.4	1335.1	*	29	SEP	1354	80	53.	16.3	1337.3	*	29	SEP	2000	141	19.	7.9	1336.2
29	SEP	0754	20	0.	.5	1335.1	*	29	SEP	1400	81	53.	16.2	1337.3	*	29	SEP	2006	142	19.	7.9	1336.2
29	SEP	0800	21	0.	.5	1335.1	*	29	SEP	1406	82	52.	16.0	1337.3	*	29	SEP	2012	143	19.	7.8	1336.2
29	SEP	0806	22	0.	.5	1335.1	*	29	SEP	1412	83	51.	15.9	1337.3	*	29	SEP	2018	144	19.	7.7	1336.2
29	SEP	0812	23	0.	.6	1335.1	*	29	SEP	1418	84	51.	15.7	1337.3	*	29	SEP	2024	145	18.	7.7	1336.1
29	SEP	0818	24	0.	.6	1335.1	*	29	SEP	1424	85	50.	15.5	1337.2	*	29	SEP	2030	146	18.	7.6	1336.1
29	SEP	0824	25	1.	.6	1335.1	*	29	SEP	1430	86	49.	15.3	1337.2	*	29	SEP	2036	147	18.	7.5	1336.1
29	SEP	0830	26	1.	.7	1335.1	*	29	SEP	1436	87	48.	15.2	1337.2	*	29	SEP	2042	148	18.	7.4	1336.1
29	SEP	0836	27	1.	.7	1335.1	*	29	SEP	1442	88	47.	15.0	1337.2	*	29	SEP	2048	149	17.	7.4	1336.1
29	SEP	0842	28	1.	.8	1335.1	*	29	SEP	1448	89	47.	14.8	1337.1	*	29	SEP	2054	150	17.	7.3	1336.1
29	SEP	0848	29	1.	.8	1335.1	*	29	SEP	1454	90	46.	14.6	1337.1	*	29	SEP	2100	151	17.	7.2	1336.1
29	SEP	0854	30	1.	.9	1335.1	*	29	SEP	1500	91	45.	14.4	1337.1	*	29	SEP	2106	152	17.	7.2	1336.1
29	SEP	0900	31	1.	.9	1335.1	*	29	SEP	1506	92	44.	14.2	1337.1	*	29	SEP	2112	153	17.	7.1	1336.1
29	SEP	0906	32	1.	1.0	1335.2	*	29	SEP	1512	93	43.	14.0	1337.0	*	29	SEP	2118	154	16.	7.0	1336.1
29	SEP	0912	33	1.	1.0	1335.2	*	29	SEP	1518	94	43.	13.8	1337.0	*	29	SEP	2124	155	16.	7.0	1336.0
29	SEP	0918	34	1.	1.1	1335.2	*	29	SEP	1524	95	42.	13.7	1337.0	*	29	SEP	2130	156	16.	6.9	1336.0
29	SEP	0924	35	1.	1.1	1335.2	*	29	SEP	1530	96	41.	13.5	1337.0	*	29	SEP	2136	157	16.	6.8	1336.0
29	SEP	0930	36	1.	1.2	1335.2	*	29	SEP	1536	97	40.	13.3	1336.9	*	29	SEP	2142	158	15.	6.8	1336.0
29	SEP	0936	37	1.	1.2	1335.2	*	29	SEP	1542	98	40.	13.1	1336.9	*	29	SEP	2148	159	15.	6.7	1336.0
29	SEP	0942	38	1.	1.3	1335.2	*	29	SEP	1548	99	39.	13.0	1336.9	*	29	SEP	2154	160	15.	6.7	1336.0
29	SEP	0948	39	1.	1.3	1335.2	*	29	SEP	1554	100	38.	12.8	1336.9	*	29	SEP	2200	161	15.	6.6	1336.0
29	SEP	0954	40	2.	1.4	1335.2	*	29	SEP	1600	101	38.	12.7	1336.8	*	29	SEP	2206	162	15.	6.5	1336.0
29	SEP	1000	41	2.	1.5	1335.2	*	29	SEP	1606	102	37.	12.5	1336.8	*	29	SEP	2212	163	14.	6.5	1336.0
29	SEP	1006	42	2.	1.5	1335.2	*	29	SEP	1612	103	36.	12.4	1336.8	*	29	SEP	2218	164	14.	6.4	1336.0
29	SEP	1012	43	2.	1.6	1335.2	*	29	SEP	1618	104	36.	12.2	1336.8	*	29	SEP	2224	165	14.	6.4	1336.0
29	SEP	1018	44	2.	1.7	1335.3	*	29	SEP	1624	105	35.	12.1	1336.8	*	29	SEP	2230	166	14.	6.3	1336.0
29	SEP	1024	45	2.	1.7	1335.3	*	29	SEP	1630	106	35.	11.9	1336.7	*	29	SEP	2236	167	14.	6.3	1335.9
29	SEP	1030	46	2.	1.8	1335.3	*	29	SEP	1636	107	34.	11.7	1336.7	*	29	SEP	2242	168	14.	6.2	1335.9
29	SEP	1036	47	2.	1.9	1335.3	*	29	SEP	1642	108	33.	11.6	1336.7	*	29	SEP	2248	169	14.	6.2	1335.9
29	SEP	1042	48	3.	2.0	1335.3	*	29	SEP	1648	109	33.	11.4	1336.7	*	29	SEP	2254	170	13.	6.1	1335.9
29	SEP	1048	49	3.	2.0	1335.3	*	29	SEP	1654	110	32.	11.3	1336.7	*	29	SEP	2300	171	13.	6.1	1335.9
29	SEP	1054	50	3.	2.1	1335.3	*	29	SEP	1700	111	31.	11.1	1336.6	*	29	SEP	2306	172	13.	6.0	1335.9
29	SEP	1100	51	3.	2.2	1335.3	*	29	SEP	1706	112	31.	11.0	1336.6	*	29	SEP	2312	173	13.	6.0	1335.9
29	SEP	1106	52	3.	2.3	1335.4	*	29	SEP	1712	113	30.	10.9	1336.6	*	29	SEP	2318	174	13.	6.0	1335.9
29	SEP	1112	53	3.	2.4	1335.4	*	29	SEP	1718	114	30.	10.7	1336.6	*	29	SEP	2324	175	13.	5.9	1335.9
29	SEP	1118	54	4.	2.6	1335.4	*	29	SEP	1724	115	29.	10.6	1336.6	*	29	SEP	2330	176	13.	5.9	1335.9
29	SEP	1124	55	4.	2.7	1335.4	*	29	SEP	1730	116	29.	10.5	1336.5	*	29	SEP	2336	177	12.	5.8	1335.9
29	SEP	1130	56	4.	2.9	1335.4	*	29	SEP	1736	117	28.	10.3	1336.5	*	29	SEP	2342	178	12.	5.8	1335.9
29	SEP	1136	57	5.	3.1	1335.5	*	29	SEP	1742	118	28.	10.2	1336.5	*	29	SEP	2348	179	12.	5.7	1335.9
29	SEP	1142	58	6.	3.5	1335.5	*	29	SEP	1748	119	27.	10.1	1336.5	*	29	SEP	2354	180	12.	5.7	1335.9
29	SEP	1148	59	8.	4.2	1335.6	*	29	SEP	1754	120	27.	10.0	1336.5	*	30	SEP	0000	181	12.	5.7	1335.9
29	SEP	1154	60	11.	5.3	1335.8	*	29	SEP	1800	121	26.	9.8	1336.5	*							
29	SEP	1200	61	16.	6.8	1336.0	*	29	SEP	1806	122	26.	9.7	1336.4	*							

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	18.00-HR

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

+	(CFS)	(HR)				
+	55.	7.40	(CFS)	41.	20.	20.
			(INCHES)	1.834	2.683	2.683
			(AC-FT)	20.	30.	30.
	PEAK STORAGE	TIME		MAXIMUM	AVERAGE	STORAGE
			6-HR	24-HR	72-HR	18.00-HR
+	(AC-FT)	(HR)				
	17.	7.40	13.	7.	7.	7.
	PEAK STAGE	TIME		MAXIMUM	AVERAGE	STAGE
			6-HR	24-HR	72-HR	18.00-HR
+	(FEET)	(HR)				
	1337.37	7.40	1336.95	1336.08	1336.08	1336.08
			CUMULATIVE AREA =	.21 SQ MI		

DET. POND STORAGE ANALYSIS FOR REFL. RIDGE 9TH ADD. -- 10 YEAR STORM

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									
+		1	81.	6.10	14.	6.	6.	.06		
+	HYDROGRAPH AT									
+		2	26.	6.00	4.	2.	2.	.02		
+	2 COMBINED AT									
+		12	105.	6.10	18.	8.	8.	.08		
+	ROUTED TO									
+		POND1	71.	6.30	18.	8.	8.	.08		
+								1347.06	6.30	
+	HYDROGRAPH AT									
+		3	20.	6.00	3.	1.	1.	.01		
+	2 COMBINED AT									
+		123	82.	6.20	21.	9.	9.	.09		
+	ROUTED TO									
+		POND2	65.	6.50	21.	9.	9.	.09		
+								1343.34	6.50	
+	HYDROGRAPH AT									
+		4	199.	6.10	34.	15.	15.	.12		
+	2 COMBINED AT									
+		1234	237.	6.10	55.	24.	24.	.21		
+	ROUTED TO									
+		POND3	55.	7.40	41.	20.	20.	.21		
+								1337.37	7.40	

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