MARKET DETENTION/INFILTRATION BASIN SUMMARY

RETURN PERIOD (YR.)	STORM EVENT (HR.)	TOTAL VOL (AC-FT)	PEAK Q (CFS)	ROUTED Q (CFS)	BASIN DEPTH (FT)
100	3	52.8	479.7	22.3	4.2
	6	55.9	403.0	22.7	4.4
	24	62.4	145.1	22.1	4.1
10	3	21.4	213.7	9.0	1.7
	6	23.1	177.3	9.0	1.8
	24	25.9	38.9	9.0	1.6

THE PROPOSED MARKET BASIN SITE IS IN CITY OWNED VACANT LOTS NORTH OF MARKET STREET, MOSTLY ZONED FOR PARKS AND OPEN SPACE. THIS BASIN IS AN INTERIM DESIGN WITH 5' DEPTH, 500'x1040' (12 ACRES)

DETENTION/INFILTRATION BASIN SIZE

DEPTH (FT)	ELEVATION (FT)	WIDTH (FT)	LENGTH (FT)	AREA (FT)	VOLUME (CF)	SUM VOL (CF)	SUM VOL (AC-FT)	OUTLET Q (CFS)
0		460	1000	460000	0	0	0.00	9.00
1		468	1008	471744	471744	471744	10.83	9.00
2		476	1016	483616	483616	955360	21.93	13.25
3		484	1024	495616	495616	1450976	33.31	18.51
4		492	1032	507744	507744	1958720	44.97	21.76
5		500	1040	520000	520000	2478720	56.90	24.33

BASIN OUTLET

AVERAGE INFILTRATION RATE (INF) = 1.7 INCH/HOUR (0.5)= 0.071FT/HR

FOR DEPTH 0 & 1 : BASIN OUTLET = BOTTOM AREA X INF = (460000 SF X 0.071 FT/HR)/ 3600 =9.1 CFS

ORIFICE CALCULATIONS

DIA (ft)= 1.500 18" outlet, fl set at 1' above basin bottom
A (sf)= 1.766

EQUATIONS
Q=CA(2gh)^0.5
where g=32.2, C=0.6
and h=(H-DIA/2)

H (ft)	h (ft)	Q (cfs)
1	0.000	0.00
2	0.250	4.25
3	1.250	9.51
4	2.250	12.76
5	3.250	15.33

WEIR CALCULATIONS 20' FLAT

EQUATIONS
Q=CL(h)^(3/2) where C=2.7, L=20' h=0.5'
19.1

INDIO MDP 2018-0089

MARKET DETENTIONBASIN (CITY OWNED NORTH OF MARKET ST. WEST OF JACKSON)
WATERSHED INPUT DATA

TOTAL AREA	495.00		
DEVELOPED AREA		425	
UNDEVELOPED AREA	70.00		
Lt (ft)	9500.00		
Lc (ft)	5100.00		
DIFFERENCE IN ELEV. (ft)	24.00		
N	0.024		
LOW LOSS RATE	0.80		
SOIL GROUP A			
AREA (ac)	40.00	12.00	201
% IMPERVIOUS	0.00	0.10	0.6
RI	78.00	32.00	32
SOIL GROUP B			
AREA (ac)	30.00	12.00	200
% IMPERVIOUS	0.00	0.10	0.6
RI	86.00	56.00	56

NOAA ATLAS 14 RAINFALL DATA

2-Y 1-HOUR	0.35
2-Y 3-HOUR	0.56
2-Y 6-HOUR	0.73
2-Y 24-HOUR	1.15
100-Y 1-HOUR	1.44
100-Y 3-HOUR	2.14
100-Y 6-HOUR	2.76
100-Y 24-HOUR	4.46

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 05/03/19

INDIO MDP
MARKET BASIN ROUTING
10-YEAR 3-HOUR
FILE: MARKETRT.HYD

Program License Serial Number 4010

********** HYDROGRAPH INFORMATION **********

From study/file name: MARKETBASIN310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 38
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 213.749 (CFS)
Total volume = 21.377 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 10.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	10.830	9.000	10.768	10.892
2.000	21.930	9.000	21.868	21.992
3.000	33.310	18.500	33.183	33.437
4.000	44.970	21.760	44.820	45.120
5.000	56.900	24.300	56.733	57.067

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 53.4 106.87 160.31 213.75	Depth (Ft.)
0.167	0.60	0.00	0.004	O	0.00
0.333	3.97	0.03	0.035	O	0.00
0.500	11.14	0.12	0.138	OI	0.01
0.667	16.10	0.27	0.323	O I	0.03
0.833	20.21	0.47	0.568	O I	0.05
1.000	22.81	0.71	0.856	O I	0.08
1.167	24.82	0.97	1.173	O I	0.11
1.333	27.56	1.26	1.518	O I	0.14
1.500	31.29	1.58	1.904	O I	0.18
1.667	34.47	1.94	2.332	O I	0.22
1.833	39.33	2.34	2.811	O I	0.26

2.000	46.48	2.80	3.367	O	I	|	|	|	|	0.31
2.167	58.09	3.36	4.045	O	I	|	|	|	|	0.37
2.333	68.76	4.04	4.867	O	| I	|	|	|	|	0.45
2.500	96.56	4.94	5.944	O	|	I	|	|	|	0.55
2.667	148.51	6.28	7.555	O	|	|	I	|	|	0.70
2.833	213.75	8.27	9.949	|O	|	|	|	|	I	0.92
3.000	209.53	9.00	12.746	|O	|	|	|	I	|	1.17
3.167	133.88	9.00	14.987	|O	|	|	I	|	|	1.37
3.333	87.35	9.00	16.386	|O	|	I	|	|	|	1.50
3.500	59.93	9.00	17.277	|O	I	|	|	|	|	1.58
3.667	43.79	9.00	17.867	|O	I	|	|	|	|	1.63
3.833	33.42	9.00	18.275	|O	I	|	|	|	|	1.67
4.000	25.64	9.00	18.558	|O I	|	|	|	|	|	1.70
4.167	20.51	9.00	18.752	|O I	|	|	|	|	|	1.71
4.333	16.39	9.00	18.882	|OI	|	|	|	|	|	1.73
4.500	13.09	9.00	18.961	|O	|	|	|	|	|	1.73
4.667	10.39	9.00	18.999	|O	|	|	|	|	|	1.74
4.833	8.05	9.00	19.002	|O	|	|	|	|	|	1.74
5.000	6.09	9.00	18.975	IO	|	|	|	|	|	1.73
5.167	5.03	9.00	18.928	IO	|	|	|	|	|	1.73
5.333	4.63	9.00	18.870	IO	|	|	|	|	|	1.72
5.500	3.99	9.00	18.806	IO	|	|	|	|	|	1.72
5.667	2.91	9.00	18.729	IO	|	|	|	|	|	1.71
5.833	1.85	9.00	18.638	IO	|	|	|	|	|	1.70
6.000	0.89	9.00	18.533	IO	|	|	|	|	|	1.69
6.167	0.12	9.00	18.416	IO	|	|	|	|	|	1.68
6.333	0.04	9.00	18.293	IO	|	|	|	|	|	1.67
6.500	0.00	9.00	18.170	IO	|	|	|	|	|	1.66
6.667	0.00	9.00	18.046	IO	|	|	|	|	|	1.65
6.833	0.00	9.00	17.922	IO	|	|	|	|	|	1.64
7.000	0.00	9.00	17.798	IO	|	|	|	|	|	1.63
7.167	0.00	9.00	17.674	IO	|	|	|	|	|	1.62
7.333	0.00	9.00	17.550	IO	|	|	|	|	|	1.61
7.500	0.00	9.00	17.426	IO	|	|	|	|	|	1.59
7.667	0.00	9.00	17.302	IO	|	|	|	|	|	1.58
7.833	0.00	9.00	17.178	IO	|	|	|	|	|	1.57
8.000	0.00	9.00	17.054	IO	|	|	|	|	|	1.56
8.167	0.00	9.00	16.930	IO	|	|	|	|	|	1.55
8.333	0.00	9.00	16.806	IO	|	|	|	|	|	1.54
8.500	0.00	9.00	16.682	IO	|	|	|	|	|	1.53
8.667	0.00	9.00	16.558	IO	|	|	|	|	|	1.52
8.833	0.00	9.00	16.434	IO	|	|	|	|	|	1.50
9.000	0.00	9.00	16.310	IO	|	|	|	|	|	1.49
9.167	0.00	9.00	16.186	IO	|	|	|	|	|	1.48
9.333	0.00	9.00	16.062	IO	|	|	|	|	|	1.47
9.500	0.00	9.00	15.938	IO	|	|	|	|	|	1.46
9.667	0.00	9.00	15.814	IO	|	|	|	|	|	1.45
9.833	0.00	9.00	15.690	IO	|	|	|	|	|	1.44
10.000	0.00	9.00	15.566	IO	|	|	|	|	|	1.43
10.167	0.00	9.00	15.442	IO	|	|	|	|	|	1.42
10.333	0.00	9.00	15.318	IO	|	|	|	|	|	1.40
10.500	0.00	9.00	15.194	IO	|	|	|	|	|	1.39
10.667	0.00	9.00	15.070	IO	|	|	|	|	|	1.38
10.833	0.00	9.00	14.947	IO	|	|	|	|	|	1.37
11.000	0.00	9.00	14.823	IO	|	|	|	|	|	1.36
11.167	0.00	9.00	14.699	IO	|	|	|	|	|	1.35
11.333	0.00	9.00	14.575	IO	|	|	|	|	|	1.34
11.500	0.00	9.00	14.451	IO	|	|	|	|	|	1.33
11.667	0.00	9.00	14.327	IO	|	|	|	|	|	1.32
11.833	0.00	9.00	14.203	IO	|	|	|	|	|	1.30
12.000	0.00	9.00	14.079	IO	|	|	|	|	|	1.29
12.167	0.00	9.00	13.955	IO	|	|	|	|	|	1.28
12.333	0.00	9.00	13.831	IO	|	|	|	|	|	1.27
12.500	0.00	9.00	13.707	IO	|	|	|	|	|	1.26
12.667	0.00	9.00	13.583	IO	|	|	|	|	|	1.25
12.833	0.00	9.00	13.459	IO	|	|	|	|	|	1.24
13.000	0.00	9.00	13.335	IO	|	|	|	|	|	1.23
13.167	0.00	9.00	13.211	IO	|	|	|	|	|	1.21
13.333	0.00	9.00	13.087	IO	|	|	|	|	|	1.20
13.500	0.00	9.00	12.963	IO	|	|	|	|	|	1.19
13.667	0.00	9.00	12.839	IO	|	|	|	|	|	1.18

13.833	0.00	9.00	12.715	IO				1.17
14.000	0.00	9.00	12.591	IO				1.16
14.167	0.00	9.00	12.467	IO				1.15
14.333	0.00	9.00	12.343	IO				1.14
14.500	0.00	9.00	12.219	IO				1.13
14.667	0.00	9.00	12.095	IO				1.11
14.833	0.00	9.00	11.971	IO				1.10
15.000	0.00	9.00	11.847	IO				1.09
15.167	0.00	9.00	11.723	IO				1.08
15.333	0.00	9.00	11.599	IO				1.07
15.500	0.00	9.00	11.475	IO				1.06
15.667	0.00	9.00	11.351	IO				1.05
15.833	0.00	9.00	11.228	IO				1.04
16.000	0.00	9.00	11.104	IO				1.02
16.167	0.00	9.00	10.980	IO				1.01
16.333	0.00	9.00	10.856	IO				1.00
16.500	0.00	8.92	10.732	IO				0.99
16.667	0.00	8.82	10.610	IO				0.98
16.833	0.00	8.72	10.489	IO				0.97
17.000	0.00	8.62	10.370	IO				0.96
17.167	0.00	8.52	10.252	IO				0.95
17.333	0.00	8.42	10.135	IO				0.94
17.500	0.00	8.33	10.020	IO				0.93
17.667	0.00	8.23	9.906	IO				0.91
17.833	0.00	8.14	9.793	IO				0.90
18.000	0.00	8.05	9.682	IO				0.89
18.167	0.00	7.95	9.571	IO				0.88
18.333	0.00	7.86	9.462	IO				0.87
18.500	0.00	7.77	9.355	IO				0.86
18.667	0.00	7.69	9.248	IO				0.85
18.833	0.00	7.60	9.143	IO				0.84
19.000	0.00	7.51	9.039	IO				0.83
19.167	0.00	7.43	8.936	IO				0.83
19.333	0.00	7.34	8.834	IO				0.82
19.500	0.00	7.26	8.734	IO				0.81
19.667	0.00	7.18	8.634	IO				0.80
19.833	0.00	7.09	8.536	IO				0.79
20.000	0.00	7.01	8.439	IO				0.78
20.167	0.00	6.93	8.343	IO				0.77
20.333	0.00	6.85	8.248	IO				0.76
20.500	0.00	6.78	8.154	IO				0.75
20.667	0.00	6.70	8.061	IO				0.74
20.833	0.00	6.62	7.970	O				0.74
21.000	0.00	6.55	7.879	O				0.73
21.167	0.00	6.47	7.789	O				0.72
21.333	0.00	6.40	7.701	O				0.71
21.500	0.00	6.33	7.613	O				0.70
21.667	0.00	6.25	7.526	O				0.69
21.833	0.00	6.18	7.441	O				0.69
22.000	0.00	6.11	7.356	O				0.68
22.167	0.00	6.04	7.272	O				0.67
22.333	0.00	5.97	7.189	O				0.66
22.500	0.00	5.91	7.108	O				0.66
22.667	0.00	5.84	7.027	O				0.65
22.833	0.00	5.77	6.947	O				0.64
23.000	0.00	5.71	6.868	O				0.63
23.167	0.00	5.64	6.790	O				0.63
23.333	0.00	5.58	6.712	O				0.62
23.500	0.00	5.51	6.636	O				0.61
23.667	0.00	5.45	6.560	O				0.61
23.833	0.00	5.39	6.486	O				0.60
24.000	0.00	5.33	6.412	O				0.59
24.167	0.00	5.27	6.339	O				0.59
24.333	0.00	5.21	6.267	O				0.58
24.500	0.00	5.15	6.195	O				0.57
24.667	0.00	5.09	6.125	O				0.57
24.833	0.00	5.03	6.055	O				0.56
25.000	0.00	4.97	5.986	O				0.55
25.167	0.00	4.92	5.918	O				0.55
25.333	0.00	4.86	5.851	O				0.54
25.500	0.00	4.81	5.784	O				0.53

25.667	0.00	4.75	5.718	O					0.53
25.833	0.00	4.70	5.653	O					0.52
26.000	0.00	4.64	5.589	O					0.52
26.167	0.00	4.59	5.525	O					0.51
26.333	0.00	4.54	5.462	O					0.50
26.500	0.00	4.49	5.400	O					0.50
26.667	0.00	4.44	5.339	O					0.49
26.833	0.00	4.39	5.278	O					0.49
27.000	0.00	4.34	5.218	O					0.48
27.167	0.00	4.29	5.159	O					0.48
27.333	0.00	4.24	5.100	O					0.47
27.500	0.00	4.19	5.042	O					0.47
27.667	0.00	4.14	4.984	O					0.46
27.833	0.00	4.10	4.928	O					0.46
28.000	0.00	4.05	4.872	O					0.45
28.167	0.00	4.00	4.816	O					0.44
28.333	0.00	3.96	4.761	O					0.44
28.500	0.00	3.91	4.707	O					0.43
28.667	0.00	3.87	4.654	O					0.43
28.833	0.00	3.82	4.601	O					0.42
29.000	0.00	3.78	4.548	O					0.42
29.167	0.00	3.74	4.496	O					0.42
29.333	0.00	3.69	4.445	O					0.41
29.500	0.00	3.65	4.395	O					0.41
29.667	0.00	3.61	4.345	O					0.40
29.833	0.00	3.57	4.295	O					0.40
30.000	0.00	3.53	4.246	O					0.39
30.167	0.00	3.49	4.198	O					0.39
30.333	0.00	3.45	4.150	O					0.38
30.500	0.00	3.41	4.103	O					0.38
30.667	0.00	3.37	4.056	O					0.37
30.833	0.00	3.33	4.010	O					0.37
31.000	0.00	3.29	3.965	O					0.37
31.167	0.00	3.26	3.919	O					0.36
31.333	0.00	3.22	3.875	O					0.36
31.500	0.00	3.18	3.831	O					0.35
31.667	0.00	3.15	3.787	O					0.35
31.833	0.00	3.11	3.744	O					0.35
32.000	0.00	3.08	3.701	O					0.34
32.167	0.00	3.04	3.659	O					0.34
32.333	0.00	3.01	3.618	O					0.33
32.500	0.00	2.97	3.576	O					0.33
32.667	0.00	2.94	3.536	O					0.33
32.833	0.00	2.90	3.495	O					0.32
33.000	0.00	2.87	3.456	O					0.32
33.167	0.00	2.84	3.416	O					0.32
33.333	0.00	2.81	3.377	O					0.31
33.500	0.00	2.77	3.339	O					0.31
33.667	0.00	2.74	3.301	O					0.30
33.833	0.00	2.71	3.263	O					0.30
34.000	0.00	2.68	3.226	O					0.30
34.167	0.00	2.65	3.190	O					0.29
34.333	0.00	2.62	3.153	O					0.29
34.500	0.00	2.59	3.117	O					0.29
34.667	0.00	2.56	3.082	O					0.28
34.833	0.00	2.53	3.047	O					0.28
35.000	0.00	2.50	3.012	O					0.28
35.167	0.00	2.47	2.978	O					0.27
35.333	0.00	2.45	2.944	O					0.27
35.500	0.00	2.42	2.910	O					0.27
35.667	0.00	2.39	2.877	O					0.27
35.833	0.00	2.36	2.845	O					0.26
36.000	0.00	2.34	2.812	O					0.26
36.167	0.00	2.31	2.780	O					0.26
36.333	0.00	2.28	2.749	O					0.25
36.500	0.00	2.26	2.717	O					0.25
36.667	0.00	2.23	2.686	O					0.25
36.833	0.00	2.21	2.656	O					0.25
37.000	0.00	2.18	2.626	O					0.24
37.167	0.00	2.16	2.596	O					0.24
37.333	0.00	2.13	2.566	O					0.24

37.500	0.00	2.11	2.537	O				0.23
37.667	0.00	2.08	2.508	O				0.23
37.833	0.00	2.06	2.480	O				0.23
38.000	0.00	2.04	2.451	O				0.23
38.167	0.00	2.01	2.423	O				0.22
38.333	0.00	1.99	2.396	O				0.22
38.500	0.00	1.97	2.369	O				0.22
38.667	0.00	1.95	2.342	O				0.22
38.833	0.00	1.92	2.315	O				0.21
39.000	0.00	1.90	2.289	O				0.21
39.167	0.00	1.88	2.263	O				0.21
39.333	0.00	1.86	2.237	O				0.21
39.500	0.00	1.84	2.211	O				0.20
39.667	0.00	1.82	2.186	O				0.20
39.833	0.00	1.80	2.161	O				0.20
40.000	0.00	1.78	2.137	O				0.20
40.167	0.00	1.76	2.112	O				0.20
40.333	0.00	1.74	2.088	O				0.19
40.500	0.00	1.72	2.065	O				0.19
40.667	0.00	1.70	2.041	O				0.19
40.833	0.00	1.68	2.018	O				0.19
41.000	0.00	1.66	1.995	O				0.18
41.167	0.00	1.64	1.972	O				0.18
41.333	0.00	1.62	1.950	O				0.18
41.500	0.00	1.60	1.928	O				0.18
41.667	0.00	1.58	1.906	O				0.18
41.833	0.00	1.57	1.884	O				0.17
42.000	0.00	1.55	1.862	O				0.17
42.167	0.00	1.53	1.841	O				0.17
42.333	0.00	1.51	1.820	O				0.17
42.500	0.00	1.50	1.800	O				0.17
42.667	0.00	1.48	1.779	O				0.16
42.833	0.00	1.46	1.759	O				0.16
43.000	0.00	1.45	1.739	O				0.16
43.167	0.00	1.43	1.719	O				0.16
43.333	0.00	1.41	1.699	O				0.16
43.500	0.00	1.40	1.680	O				0.16
43.667	0.00	1.38	1.661	O				0.15
43.833	0.00	1.36	1.642	O				0.15
44.000	0.00	1.35	1.623	O				0.15
44.167	0.00	1.33	1.605	O				0.15
44.333	0.00	1.32	1.587	O				0.15
44.500	0.00	1.30	1.569	O				0.14
44.667	0.00	1.29	1.551	O				0.14
44.833	0.00	1.27	1.533	O				0.14
45.000	0.00	1.26	1.516	O				0.14
45.167	0.00	1.25	1.498	O				0.14
45.333	0.00	1.23	1.481	O				0.14
45.500	0.00	1.22	1.464	O				0.14
45.667	0.00	1.20	1.448	O				0.13
45.833	0.00	1.19	1.431	O				0.13
46.000	0.00	1.18	1.415	O				0.13
46.167	0.00	1.16	1.399	O				0.13
46.333	0.00	1.15	1.383	O				0.13
46.500	0.00	1.14	1.367	O				0.13
46.667	0.00	1.12	1.352	O				0.12
46.833	0.00	1.11	1.336	O				0.12
47.000	0.00	1.10	1.321	O				0.12
47.167	0.00	1.09	1.306	O				0.12
47.333	0.00	1.07	1.291	O				0.12
47.500	0.00	1.06	1.277	O				0.12
47.667	0.00	1.05	1.262	O				0.12
47.833	0.00	1.04	1.248	O				0.12
48.000	0.00	1.03	1.233	O				0.11
48.167	0.00	1.01	1.219	O				0.11
48.333	0.00	1.00	1.206	O				0.11
48.500	0.00	0.99	1.192	O				0.11
48.667	0.00	0.98	1.178	O				0.11
48.833	0.00	0.97	1.165	O				0.11
49.000	0.00	0.96	1.152	O				0.11
49.167	0.00	0.95	1.138	O				0.11

49.333	0.00	0.94	1.126	O	|	|	|	0.10
49.500	0.00	0.92	1.113	O	|	|	|	0.10
49.667	0.00	0.91	1.100	O	|	|	|	0.10
49.833	0.00	0.90	1.088	O	|	|	|	0.10
50.000	0.00	0.89	1.075	O	|	|	|	0.10
50.167	0.00	0.88	1.063	O	|	|	|	0.10
50.333	0.00	0.87	1.051	O	|	|	|	0.10
50.500	0.00	0.86	1.039	O	|	|	|	0.10
50.667	0.00	0.85	1.027	O	|	|	|	0.09
50.833	0.00	0.84	1.015	O	|	|	|	0.09
51.000	0.00	0.83	1.004	O	|	|	|	0.09
51.167	0.00	0.82	0.992	O	|	|	|	0.09
51.333	0.00	0.82	0.981	O	|	|	|	0.09
51.500	0.00	0.81	0.970	O	|	|	|	0.09
51.667	0.00	0.80	0.959	O	|	|	|	0.09
51.833	0.00	0.79	0.948	O	|	|	|	0.09
52.000	0.00	0.78	0.937	O	|	|	|	0.09
52.167	0.00	0.77	0.926	O	|	|	|	0.09
52.333	0.00	0.76	0.916	O	|	|	|	0.08
52.500	0.00	0.75	0.906	O	|	|	|	0.08
52.667	0.00	0.74	0.895	O	|	|	|	0.08
52.833	0.00	0.74	0.885	O	|	|	|	0.08
53.000	0.00	0.73	0.875	O	|	|	|	0.08
53.167	0.00	0.72	0.865	O	|	|	|	0.08
53.333	0.00	0.71	0.855	O	|	|	|	0.08
53.500	0.00	0.70	0.845	O	|	|	|	0.08
53.667	0.00	0.69	0.836	O	|	|	|	0.08
53.833	0.00	0.69	0.826	O	|	|	|	0.08
54.000	0.00	0.68	0.817	O	|	|	|	0.08
54.167	0.00	0.67	0.808	O	|	|	|	0.07
54.333	0.00	0.66	0.798	O	|	|	|	0.07
54.500	0.00	0.66	0.789	O	|	|	|	0.07
54.667	0.00	0.65	0.780	O	|	|	|	0.07
54.833	0.00	0.64	0.771	O	|	|	|	0.07
55.000	0.00	0.63	0.763	O	|	|	|	0.07
55.167	0.00	0.63	0.754	O	|	|	|	0.07
55.333	0.00	0.62	0.745	O	|	|	|	0.07
55.500	0.00	0.61	0.737	O	|	|	|	0.07
55.667	0.00	0.61	0.729	O	|	|	|	0.07
55.833	0.00	0.60	0.720	O	|	|	|	0.07
56.000	0.00	0.59	0.712	O	|	|	|	0.07
56.167	0.00	0.58	0.704	O	|	|	|	0.06
56.333	0.00	0.58	0.696	O	|	|	|	0.06
56.500	0.00	0.57	0.688	O	|	|	|	0.06
56.667	0.00	0.57	0.680	O	|	|	|	0.06
56.833	0.00	0.56	0.672	O	|	|	|	0.06
57.000	0.00	0.55	0.665	O	|	|	|	0.06
57.167	0.00	0.55	0.657	O	|	|	|	0.06
57.333	0.00	0.54	0.650	O	|	|	|	0.06
57.500	0.00	0.53	0.642	O	|	|	|	0.06
57.667	0.00	0.53	0.635	O	|	|	|	0.06
57.833	0.00	0.52	0.628	O	|	|	|	0.06
58.000	0.00	0.52	0.621	O	|	|	|	0.06
58.167	0.00	0.51	0.614	O	|	|	|	0.06
58.333	0.00	0.50	0.607	O	|	|	|	0.06
58.500	0.00	0.50	0.600	O	|	|	|	0.06
58.667	0.00	0.49	0.593	O	|	|	|	0.05
58.833	0.00	0.49	0.586	O	|	|	|	0.05
59.000	0.00	0.48	0.579	O	|	|	|	0.05
59.167	0.00	0.48	0.573	O	|	|	|	0.05
59.333	0.00	0.47	0.566	O	|	|	|	0.05
59.500	0.00	0.47	0.560	O	|	|	|	0.05
59.667	0.00	0.46	0.554	O	|	|	|	0.05
59.833	0.00	0.45	0.547	O	|	|	|	0.05
60.000	0.00	0.45	0.541	O	|	|	|	0.05
60.167	0.00	0.44	0.535	O	|	|	|	0.05
60.333	0.00	0.44	0.529	O	|	|	|	0.05
60.500	0.00	0.43	0.523	O	|	|	|	0.05
60.667	0.00	0.43	0.517	O	|	|	|	0.05
60.833	0.00	0.42	0.511	O	|	|	|	0.05
61.000	0.00	0.42	0.505	O	|	|	|	0.05

61.167	0.00	0.41	0.499	O	|	|	|	| 0.05
61.333	0.00	0.41	0.494	O	|	|	|	| 0.05
61.500	0.00	0.41	0.488	O	|	|	|	| 0.05
61.667	0.00	0.40	0.482	O	|	|	|	| 0.04
61.833	0.00	0.40	0.477	O	|	|	|	| 0.04
62.000	0.00	0.39	0.472	O	|	|	|	| 0.04
62.167	0.00	0.39	0.466	O	|	|	|	| 0.04
62.333	0.00	0.38	0.461	O	|	|	|	| 0.04
62.500	0.00	0.38	0.456	O	|	|	|	| 0.04
62.667	0.00	0.37	0.450	O	|	|	|	| 0.04
62.833	0.00	0.37	0.445	O	|	|	|	| 0.04
63.000	0.00	0.37	0.440	O	|	|	|	| 0.04
63.167	0.00	0.36	0.435	O	|	|	|	| 0.04
63.333	0.00	0.36	0.430	O	|	|	|	| 0.04
63.500	0.00	0.35	0.425	O	|	|	|	| 0.04
63.667	0.00	0.35	0.421	O	|	|	|	| 0.04
63.833	0.00	0.35	0.416	O	|	|	|	| 0.04
64.000	0.00	0.34	0.411	O	|	|	|	| 0.04
64.167	0.00	0.34	0.406	O	|	|	|	| 0.04
64.333	0.00	0.33	0.402	O	|	|	|	| 0.04
64.500	0.00	0.33	0.397	O	|	|	|	| 0.04
64.667	0.00	0.33	0.393	O	|	|	|	| 0.04
64.833	0.00	0.32	0.388	O	|	|	|	| 0.04
65.000	0.00	0.32	0.384	O	|	|	|	| 0.04
65.167	0.00	0.32	0.379	O	|	|	|	| 0.04
65.333	0.00	0.31	0.375	O	|	|	|	| 0.03
65.500	0.00	0.31	0.371	O	|	|	|	| 0.03
65.667	0.00	0.30	0.367	O	|	|	|	| 0.03
65.833	0.00	0.30	0.362	O	|	|	|	| 0.03
66.000	0.00	0.30	0.358	O	|	|	|	| 0.03
66.167	0.00	0.29	0.354	O	|	|	|	| 0.03
66.333	0.00	0.29	0.350	O	|	|	|	| 0.03
66.500	0.00	0.29	0.346	O	|	|	|	| 0.03
66.667	0.00	0.28	0.342	O	|	|	|	| 0.03
66.833	0.00	0.28	0.338	O	|	|	|	| 0.03
67.000	0.00	0.28	0.335	O	|	|	|	| 0.03
67.167	0.00	0.27	0.331	O	|	|	|	| 0.03
67.333	0.00	0.27	0.327	O	|	|	|	| 0.03
67.500	0.00	0.27	0.323	O	|	|	|	| 0.03
67.667	0.00	0.27	0.320	O	|	|	|	| 0.03
67.833	0.00	0.26	0.316	O	|	|	|	| 0.03
68.000	0.00	0.26	0.312	O	|	|	|	| 0.03
68.167	0.00	0.26	0.309	O	|	|	|	| 0.03
68.333	0.00	0.25	0.305	O	|	|	|	| 0.03
68.500	0.00	0.25	0.302	O	|	|	|	| 0.03
68.667	0.00	0.25	0.298	O	|	|	|	| 0.03
68.833	0.00	0.25	0.295	O	|	|	|	| 0.03
69.000	0.00	0.24	0.292	O	|	|	|	| 0.03
69.167	0.00	0.24	0.288	O	|	|	|	| 0.03
69.333	0.00	0.24	0.285	O	|	|	|	| 0.03
69.500	0.00	0.23	0.282	O	|	|	|	| 0.03
69.667	0.00	0.23	0.279	O	|	|	|	| 0.03
69.833	0.00	0.23	0.275	O	|	|	|	| 0.03
70.000	0.00	0.23	0.272	O	|	|	|	| 0.03
70.167	0.00	0.22	0.269	O	|	|	|	| 0.02
70.333	0.00	0.22	0.266	O	|	|	|	| 0.02
70.500	0.00	0.22	0.263	O	|	|	|	| 0.02

Remaining water in basin = 0.01 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 702
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 9.000 (CFS)
Total volume = 21.367 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2005
Study date: 05/03/19

INDIO MDP
MARKET BASIN ROUTING
10-YEAR 6-HOUR
FILE: MARKETRT.HYD

Program License Serial Number 4010

********** HYDROGRAPH INFORMATION **********
From study/file name: MARKETBASIN610.rte
**********HYDROGRAPH DATA**********
Number of intervals = 56
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 177.269 (CFS)
Total volume = 23.116 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****
++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 56
Hydrograph time unit = 10.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	10.830	9.000	10.768	10.892
2.000	21.930	9.000	21.868	21.992
3.000	33.310	18.500	33.183	33.437
4.000	44.970	21.760	44.820	45.120
5.000	56.900	24.300	56.733	57.067

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	44.3	88.63	132.95	177.27	Depth (Ft.)
0.167	0.33	0.00	0.002	O	|	|	|	|	0.00
0.333	2.20	0.02	0.020	O	|	|	|	|	0.00
0.500	6.24	0.06	0.077	OI	|	|	|	|	0.01
0.667	9.00	0.15	0.181	OI	|	|	|	|	0.02
0.833	10.94	0.26	0.315	OI	|	|	|	|	0.03
1.000	12.44	0.39	0.472	O I	|	|	|	|	0.04
1.167	13.60	0.54	0.645	O I	|	|	|	|	0.06
1.333	14.81	0.69	0.832	O I	|	|	|	|	0.08
1.500	15.85	0.86	1.032	O I	|	|	|	|	0.10
1.667	16.55	1.03	1.242	O I	|	|	|	|	0.11
1.833	17.04	1.21	1.458	O I	|	|	|	|	0.13
2.000	17.44	1.39	1.678	O I	|	|	|	|	0.15

2.167	17.90	1.58	1.901	O I					0.18
2.333	18.51	1.77	2.128	O I					0.20
2.500	19.05	1.96	2.361	O I					0.22
2.667	19.64	2.16	2.599	O I					0.24
2.833	20.09	2.36	2.842	O I					0.26
3.000	20.69	2.57	3.089	O I					0.29
3.167	21.62	2.78	3.343	O I					0.31
3.333	22.37	3.00	3.607	O I					0.33
3.500	23.31	3.22	3.878	O I					0.36
3.667	24.67	3.46	4.163	O I					0.38
3.833	26.75	3.71	4.467	O I					0.41
4.000	29.11	3.99	4.799	O I					0.44
4.167	31.39	4.29	5.159	O I					0.48
4.333	33.83	4.61	5.547	O I					0.51
4.500	36.79	4.96	5.967	O I					0.55
4.667	40.54	5.34	6.429	O I					0.59
4.833	45.91	5.77	6.948	O I					0.64
5.000	54.31	6.28	7.555	O I					0.70
5.167	66.05	6.89	8.293	O I					0.77
5.333	87.25	7.69	9.249	O I					0.85
5.500	126.88	8.82	10.610	O	I				0.98
5.667	169.62	9.00	12.529	O			I		1.15
5.833	177.27	9.00	14.794	O				I	1.36
6.000	114.44	9.00	16.679	O		I			1.53
6.167	73.75	9.00	17.851	O	I				1.63
6.333	51.91	9.00	18.592	O I					1.70
6.500	37.63	9.00	19.085	O I					1.74
6.667	28.70	9.00	19.418	O I					1.77
6.833	21.93	9.00	19.643	O I					1.79
7.000	17.47	9.00	19.790	O I					1.81
7.167	14.00	9.00	19.883	OI					1.82
7.333	11.11	9.00	19.932	OI					1.82
7.500	8.82	9.00	19.945	O					1.82
7.667	6.85	9.00	19.929	O					1.82
7.833	5.26	9.00	19.889	IO					1.82
8.000	4.23	9.00	19.830	IO					1.81
8.167	3.87	9.00	19.762	IO					1.80
8.333	3.30	9.00	19.687	IO					1.80
8.500	2.47	9.00	19.603	IO					1.79
8.667	1.50	9.00	19.506	IO					1.78
8.833	0.83	9.00	19.398	IO					1.77
9.000	0.12	9.00	19.281	IO					1.76
9.167	0.04	9.00	19.158	IO					1.75
9.333	0.01	9.00	19.034	IO					1.74
9.500	0.00	9.00	18.911	IO					1.73
9.667	0.00	9.00	18.787	IO					1.72
9.833	0.00	9.00	18.663	IO					1.71
10.000	0.00	9.00	18.539	IO					1.69
10.167	0.00	9.00	18.415	IO					1.68
10.333	0.00	9.00	18.291	IO					1.67
10.500	0.00	9.00	18.167	IO					1.66
10.667	0.00	9.00	18.043	IO					1.65
10.833	0.00	9.00	17.919	IO					1.64
11.000	0.00	9.00	17.795	IO					1.63
11.167	0.00	9.00	17.671	IO					1.62
11.333	0.00	9.00	17.547	IO					1.61
11.500	0.00	9.00	17.423	IO					1.59
11.667	0.00	9.00	17.299	IO					1.58
11.833	0.00	9.00	17.175	IO					1.57
12.000	0.00	9.00	17.051	IO					1.56
12.167	0.00	9.00	16.927	IO					1.55
12.333	0.00	9.00	16.803	IO					1.54
12.500	0.00	9.00	16.679	IO					1.53
12.667	0.00	9.00	16.555	IO					1.52
12.833	0.00	9.00	16.431	IO					1.50
13.000	0.00	9.00	16.307	IO					1.49
13.167	0.00	9.00	16.183	IO					1.48
13.333	0.00	9.00	16.059	IO					1.47
13.500	0.00	9.00	15.935	IO					1.46
13.667	0.00	9.00	15.811	IO					1.45
13.833	0.00	9.00	15.687	IO					1.44

14.000	0.00	9.00	15.563	IO				1.43
14.167	0.00	9.00	15.440	IO				1.42
14.333	0.00	9.00	15.316	IO				1.40
14.500	0.00	9.00	15.192	IO				1.39
14.667	0.00	9.00	15.068	IO				1.38
14.833	0.00	9.00	14.944	IO				1.37
15.000	0.00	9.00	14.820	IO				1.36
15.167	0.00	9.00	14.696	IO				1.35
15.333	0.00	9.00	14.572	IO				1.34
15.500	0.00	9.00	14.448	IO				1.33
15.667	0.00	9.00	14.324	IO				1.31
15.833	0.00	9.00	14.200	IO				1.30
16.000	0.00	9.00	14.076	IO				1.29
16.167	0.00	9.00	13.952	IO				1.28
16.333	0.00	9.00	13.828	IO				1.27
16.500	0.00	9.00	13.704	IO				1.26
16.667	0.00	9.00	13.580	IO				1.25
16.833	0.00	9.00	13.456	IO				1.24
17.000	0.00	9.00	13.332	IO				1.23
17.167	0.00	9.00	13.208	IO				1.21
17.333	0.00	9.00	13.084	IO				1.20
17.500	0.00	9.00	12.960	IO				1.19
17.667	0.00	9.00	12.836	IO				1.18
17.833	0.00	9.00	12.712	IO				1.17
18.000	0.00	9.00	12.588	IO				1.16
18.167	0.00	9.00	12.464	IO				1.15
18.333	0.00	9.00	12.340	IO				1.14
18.500	0.00	9.00	12.216	IO				1.12
18.667	0.00	9.00	12.092	IO				1.11
18.833	0.00	9.00	11.968	IO				1.10
19.000	0.00	9.00	11.844	IO				1.09
19.167	0.00	9.00	11.721	IO				1.08
19.333	0.00	9.00	11.597	IO				1.07
19.500	0.00	9.00	11.473	IO				1.06
19.667	0.00	9.00	11.349	IO				1.05
19.833	0.00	9.00	11.225	IO				1.04
20.000	0.00	9.00	11.101	IO				1.02
20.167	0.00	9.00	10.977	IO				1.01
20.333	0.00	9.00	10.853	IO				1.00
20.500	0.00	8.92	10.729	IO				0.99
20.667	0.00	8.81	10.607	IO				0.98
20.833	0.00	8.71	10.487	IO				0.97
21.000	0.00	8.62	10.367	IO				0.96
21.167	0.00	8.52	10.249	IO				0.95
21.333	0.00	8.42	10.133	IO				0.94
21.500	0.00	8.32	10.017	IO				0.92
21.667	0.00	8.23	9.903	IO				0.91
21.833	0.00	8.14	9.790	IO				0.90
22.000	0.00	8.04	9.679	IO				0.89
22.167	0.00	7.95	9.569	IO				0.88
22.333	0.00	7.86	9.460	IO				0.87
22.500	0.00	7.77	9.352	IO				0.86
22.667	0.00	7.68	9.246	IO				0.85
22.833	0.00	7.60	9.141	IO				0.84
23.000	0.00	7.51	9.037	IO				0.83
23.167	0.00	7.42	8.934	IO				0.82
23.333	0.00	7.34	8.832	IO				0.82
23.500	0.00	7.26	8.732	IO				0.81
23.667	0.00	7.17	8.632	IO				0.80
23.833	0.00	7.09	8.534	IO				0.79
24.000	0.00	7.01	8.437	IO				0.78
24.167	0.00	6.93	8.341	IO				0.77
24.333	0.00	6.85	8.246	IO				0.76
24.500	0.00	6.77	8.152	IO				0.75
24.667	0.00	6.70	8.059	IO				0.74
24.833	0.00	6.62	7.967	IO				0.74
25.000	0.00	6.55	7.877	IO				0.73
25.167	0.00	6.47	7.787	IO				0.72
25.333	0.00	6.40	7.699	IO				0.71
25.500	0.00	6.32	7.611	IO				0.70
25.667	0.00	6.25	7.524	IO				0.69

25.833	0.00	6.18	7.439	IO				0.69
26.000	0.00	6.11	7.354	IO				0.68
26.167	0.00	6.04	7.270	IO				0.67
26.333	0.00	5.97	7.188	IO				0.66
26.500	0.00	5.91	7.106	IO				0.66
26.667	0.00	5.84	7.025	IO				0.65
26.833	0.00	5.77	6.945	IO				0.64
27.000	0.00	5.71	6.866	IO				0.63
27.167	0.00	5.64	6.788	IO				0.63
27.333	0.00	5.58	6.710	IO				0.62
27.500	0.00	5.51	6.634	O				0.61
27.667	0.00	5.45	6.559	O				0.61
27.833	0.00	5.39	6.484	O				0.60
28.000	0.00	5.33	6.410	O				0.59
28.167	0.00	5.27	6.337	O				0.59
28.333	0.00	5.21	6.265	O				0.58
28.500	0.00	5.15	6.194	O				0.57
28.667	0.00	5.09	6.123	O				0.57
28.833	0.00	5.03	6.054	O				0.56
29.000	0.00	4.97	5.985	O				0.55
29.167	0.00	4.92	5.917	O				0.55
29.333	0.00	4.86	5.849	O				0.54
29.500	0.00	4.81	5.783	O				0.53
29.667	0.00	4.75	5.717	O				0.53
29.833	0.00	4.70	5.652	O				0.52
30.000	0.00	4.64	5.587	O				0.52
30.167	0.00	4.59	5.524	O				0.51
30.333	0.00	4.54	5.461	O				0.50
30.500	0.00	4.49	5.399	O				0.50
30.667	0.00	4.44	5.337	O				0.49
30.833	0.00	4.39	5.277	O				0.49
31.000	0.00	4.34	5.217	O				0.48
31.167	0.00	4.29	5.157	O				0.48
31.333	0.00	4.24	5.098	O				0.47
31.500	0.00	4.19	5.040	O				0.47
31.667	0.00	4.14	4.983	O				0.46
31.833	0.00	4.09	4.926	O				0.45
32.000	0.00	4.05	4.870	O				0.45
32.167	0.00	4.00	4.815	O				0.44
32.333	0.00	3.96	4.760	O				0.44
32.500	0.00	3.91	4.706	O				0.43
32.667	0.00	3.87	4.652	O				0.43
32.833	0.00	3.82	4.599	O				0.42
33.000	0.00	3.78	4.547	O				0.42
33.167	0.00	3.74	4.495	O				0.42
33.333	0.00	3.69	4.444	O				0.41
33.500	0.00	3.65	4.394	O				0.41
33.667	0.00	3.61	4.344	O				0.40
33.833	0.00	3.57	4.294	O				0.40
34.000	0.00	3.53	4.245	O				0.39
34.167	0.00	3.49	4.197	O				0.39
34.333	0.00	3.45	4.149	O				0.38
34.500	0.00	3.41	4.102	O				0.38
34.667	0.00	3.37	4.055	O				0.37
34.833	0.00	3.33	4.009	O				0.37
35.000	0.00	3.29	3.963	O				0.37
35.167	0.00	3.26	3.918	O				0.36
35.333	0.00	3.22	3.874	O				0.36
35.500	0.00	3.18	3.830	O				0.35
35.667	0.00	3.15	3.786	O				0.35
35.833	0.00	3.11	3.743	O				0.35
36.000	0.00	3.08	3.700	O				0.34
36.167	0.00	3.04	3.658	O				0.34
36.333	0.00	3.01	3.617	O				0.33
36.500	0.00	2.97	3.575	O				0.33
36.667	0.00	2.94	3.535	O				0.33
36.833	0.00	2.90	3.495	O				0.32
37.000	0.00	2.87	3.455	O				0.32
37.167	0.00	2.84	3.415	O				0.32
37.333	0.00	2.81	3.377	O				0.31
37.500	0.00	2.77	3.338	O				0.31

37.667	0.00	2.74	3.300	O					0.30
37.833	0.00	2.71	3.263	O					0.30
38.000	0.00	2.68	3.225	O					0.30
38.167	0.00	2.65	3.189	O					0.29
38.333	0.00	2.62	3.152	O					0.29
38.500	0.00	2.59	3.117	O					0.29
38.667	0.00	2.56	3.081	O					0.28
38.833	0.00	2.53	3.046	O					0.28
39.000	0.00	2.50	3.011	O					0.28
39.167	0.00	2.47	2.977	O					0.27
39.333	0.00	2.45	2.943	O					0.27
39.500	0.00	2.42	2.910	O					0.27
39.667	0.00	2.39	2.877	O					0.27
39.833	0.00	2.36	2.844	O					0.26
40.000	0.00	2.34	2.811	O					0.26
40.167	0.00	2.31	2.779	O					0.26
40.333	0.00	2.28	2.748	O					0.25
40.500	0.00	2.26	2.717	O					0.25
40.667	0.00	2.23	2.686	O					0.25
40.833	0.00	2.21	2.655	O					0.25
41.000	0.00	2.18	2.625	O					0.24
41.167	0.00	2.16	2.595	O					0.24
41.333	0.00	2.13	2.565	O					0.24
41.500	0.00	2.11	2.536	O					0.23
41.667	0.00	2.08	2.507	O					0.23
41.833	0.00	2.06	2.479	O					0.23
42.000	0.00	2.04	2.451	O					0.23
42.167	0.00	2.01	2.423	O					0.22
42.333	0.00	1.99	2.395	O					0.22
42.500	0.00	1.97	2.368	O					0.22
42.667	0.00	1.95	2.341	O					0.22
42.833	0.00	1.92	2.314	O					0.21
43.000	0.00	1.90	2.288	O					0.21
43.167	0.00	1.88	2.262	O					0.21
43.333	0.00	1.86	2.236	O					0.21
43.500	0.00	1.84	2.211	O					0.20
43.667	0.00	1.82	2.186	O					0.20
43.833	0.00	1.80	2.161	O					0.20
44.000	0.00	1.78	2.136	O					0.20
44.167	0.00	1.75	2.112	O					0.19
44.333	0.00	1.73	2.088	O					0.19
44.500	0.00	1.72	2.064	O					0.19
44.667	0.00	1.70	2.041	O					0.19
44.833	0.00	1.68	2.017	O					0.19
45.000	0.00	1.66	1.994	O					0.18
45.167	0.00	1.64	1.972	O					0.18
45.333	0.00	1.62	1.949	O					0.18
45.500	0.00	1.60	1.927	O					0.18
45.667	0.00	1.58	1.905	O					0.18
45.833	0.00	1.57	1.883	O					0.17
46.000	0.00	1.55	1.862	O					0.17
46.167	0.00	1.53	1.841	O					0.17
46.333	0.00	1.51	1.820	O					0.17
46.500	0.00	1.50	1.799	O					0.17
46.667	0.00	1.48	1.779	O					0.16
46.833	0.00	1.46	1.758	O					0.16
47.000	0.00	1.44	1.738	O					0.16
47.167	0.00	1.43	1.719	O					0.16
47.333	0.00	1.41	1.699	O					0.16
47.500	0.00	1.40	1.680	O					0.16
47.667	0.00	1.38	1.661	O					0.15
47.833	0.00	1.36	1.642	O					0.15
48.000	0.00	1.35	1.623	O					0.15
48.167	0.00	1.33	1.605	O					0.15
48.333	0.00	1.32	1.586	O					0.15
48.500	0.00	1.30	1.568	O					0.14
48.667	0.00	1.29	1.550	O					0.14
48.833	0.00	1.27	1.533	O					0.14
49.000	0.00	1.26	1.515	O					0.14
49.167	0.00	1.24	1.498	O					0.14
49.333	0.00	1.23	1.481	O					0.14

49.500	0.00	1.22	1.464	O					0.14
49.667	0.00	1.20	1.447	O					0.13
49.833	0.00	1.19	1.431	O					0.13
50.000	0.00	1.18	1.415	O					0.13
50.167	0.00	1.16	1.399	O					0.13
50.333	0.00	1.15	1.383	O					0.13
50.500	0.00	1.14	1.367	O					0.13
50.667	0.00	1.12	1.351	O					0.12
50.833	0.00	1.11	1.336	O					0.12
51.000	0.00	1.10	1.321	O					0.12
51.167	0.00	1.09	1.306	O					0.12
51.333	0.00	1.07	1.291	O					0.12
51.500	0.00	1.06	1.276	O					0.12
51.667	0.00	1.05	1.262	O					0.12
51.833	0.00	1.04	1.247	O					0.12
52.000	0.00	1.02	1.233	O					0.11
52.167	0.00	1.01	1.219	O					0.11
52.333	0.00	1.00	1.205	O					0.11
52.500	0.00	0.99	1.191	O					0.11
52.667	0.00	0.98	1.178	O					0.11
52.833	0.00	0.97	1.165	O					0.11
53.000	0.00	0.96	1.151	O					0.11
53.167	0.00	0.95	1.138	O					0.11
53.333	0.00	0.94	1.125	O					0.10
53.500	0.00	0.92	1.112	O					0.10
53.667	0.00	0.91	1.100	O					0.10
53.833	0.00	0.90	1.087	O					0.10
54.000	0.00	0.89	1.075	O					0.10
54.167	0.00	0.88	1.063	O					0.10
54.333	0.00	0.87	1.051	O					0.10
54.500	0.00	0.86	1.039	O					0.10
54.667	0.00	0.85	1.027	O					0.09
54.833	0.00	0.84	1.015	O					0.09
55.000	0.00	0.83	1.004	O					0.09
55.167	0.00	0.82	0.992	O					0.09
55.333	0.00	0.82	0.981	O					0.09
55.500	0.00	0.81	0.970	O					0.09
55.667	0.00	0.80	0.959	O					0.09
55.833	0.00	0.79	0.948	O					0.09
56.000	0.00	0.78	0.937	O					0.09
56.167	0.00	0.77	0.926	O					0.09
56.333	0.00	0.76	0.916	O					0.08
56.500	0.00	0.75	0.905	O					0.08
56.667	0.00	0.74	0.895	O					0.08
56.833	0.00	0.74	0.885	O					0.08
57.000	0.00	0.73	0.875	O					0.08
57.167	0.00	0.72	0.865	O					0.08
57.333	0.00	0.71	0.855	O					0.08
57.500	0.00	0.70	0.845	O					0.08
57.667	0.00	0.69	0.836	O					0.08
57.833	0.00	0.69	0.826	O					0.08
58.000	0.00	0.68	0.817	O					0.08
58.167	0.00	0.67	0.807	O					0.07
58.333	0.00	0.66	0.798	O					0.07
58.500	0.00	0.66	0.789	O					0.07
58.667	0.00	0.65	0.780	O					0.07
58.833	0.00	0.64	0.771	O					0.07
59.000	0.00	0.63	0.762	O					0.07
59.167	0.00	0.63	0.754	O					0.07
59.333	0.00	0.62	0.745	O					0.07
59.500	0.00	0.61	0.737	O					0.07
59.667	0.00	0.61	0.728	O					0.07
59.833	0.00	0.60	0.720	O					0.07
60.000	0.00	0.59	0.712	O					0.07
60.167	0.00	0.58	0.704	O					0.06
60.333	0.00	0.58	0.696	O					0.06
60.500	0.00	0.57	0.688	O					0.06
60.667	0.00	0.57	0.680	O					0.06
60.833	0.00	0.56	0.672	O					0.06
61.000	0.00	0.55	0.665	O					0.06
61.167	0.00	0.55	0.657	O					0.06

61.333	0.00	0.54	0.650	O	|	|	|	|	0.06
61.500	0.00	0.53	0.642	O	|	|	|	|	0.06
61.667	0.00	0.53	0.635	O	|	|	|	|	0.06
61.833	0.00	0.52	0.628	O	|	|	|	|	0.06
62.000	0.00	0.52	0.620	O	|	|	|	|	0.06
62.167	0.00	0.51	0.613	O	|	|	|	|	0.06
62.333	0.00	0.50	0.606	O	|	|	|	|	0.06
62.500	0.00	0.50	0.600	O	|	|	|	|	0.06
62.667	0.00	0.49	0.593	O	|	|	|	|	0.05
62.833	0.00	0.49	0.586	O	|	|	|	|	0.05
63.000	0.00	0.48	0.579	O	|	|	|	|	0.05
63.167	0.00	0.48	0.573	O	|	|	|	|	0.05
63.333	0.00	0.47	0.566	O	|	|	|	|	0.05
63.500	0.00	0.47	0.560	O	|	|	|	|	0.05
63.667	0.00	0.46	0.553	O	|	|	|	|	0.05
63.833	0.00	0.45	0.547	O	|	|	|	|	0.05
64.000	0.00	0.45	0.541	O	|	|	|	|	0.05
64.167	0.00	0.44	0.535	O	|	|	|	|	0.05
64.333	0.00	0.44	0.529	O	|	|	|	|	0.05
64.500	0.00	0.43	0.523	O	|	|	|	|	0.05
64.667	0.00	0.43	0.517	O	|	|	|	|	0.05
64.833	0.00	0.42	0.511	O	|	|	|	|	0.05
65.000	0.00	0.42	0.505	O	|	|	|	|	0.05
65.167	0.00	0.41	0.499	O	|	|	|	|	0.05
65.333	0.00	0.41	0.494	O	|	|	|	|	0.05
65.500	0.00	0.41	0.488	O	|	|	|	|	0.05
65.667	0.00	0.40	0.482	O	|	|	|	|	0.04
65.833	0.00	0.40	0.477	O	|	|	|	|	0.04
66.000	0.00	0.39	0.471	O	|	|	|	|	0.04
66.167	0.00	0.39	0.466	O	|	|	|	|	0.04
66.333	0.00	0.38	0.461	O	|	|	|	|	0.04
66.500	0.00	0.38	0.456	O	|	|	|	|	0.04
66.667	0.00	0.37	0.450	O	|	|	|	|	0.04
66.833	0.00	0.37	0.445	O	|	|	|	|	0.04
67.000	0.00	0.37	0.440	O	|	|	|	|	0.04
67.167	0.00	0.36	0.435	O	|	|	|	|	0.04
67.333	0.00	0.36	0.430	O	|	|	|	|	0.04
67.500	0.00	0.35	0.425	O	|	|	|	|	0.04
67.667	0.00	0.35	0.420	O	|	|	|	|	0.04
67.833	0.00	0.35	0.416	O	|	|	|	|	0.04
68.000	0.00	0.34	0.411	O	|	|	|	|	0.04
68.167	0.00	0.34	0.406	O	|	|	|	|	0.04
68.333	0.00	0.33	0.402	O	|	|	|	|	0.04
68.500	0.00	0.33	0.397	O	|	|	|	|	0.04
68.667	0.00	0.33	0.393	O	|	|	|	|	0.04
68.833	0.00	0.32	0.388	O	|	|	|	|	0.04
69.000	0.00	0.32	0.384	O	|	|	|	|	0.04
69.167	0.00	0.32	0.379	O	|	|	|	|	0.04
69.333	0.00	0.31	0.375	O	|	|	|	|	0.03
69.500	0.00	0.31	0.371	O	|	|	|	|	0.03
69.667	0.00	0.30	0.366	O	|	|	|	|	0.03
69.833	0.00	0.30	0.362	O	|	|	|	|	0.03
70.000	0.00	0.30	0.358	O	|	|	|	|	0.03

Remaining water in basin = 0.36 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 726
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 9.000 (CFS)
Total volume = 23.105 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM

Study date: 05/03/19

INDIO MDP
MARKET BASIN ROUTING
10-YEAR 24-HOUR
FILE: MARKETRT.HYD

Program License Serial Number 4010

********** HYDROGRAPH INFORMATION **********

From study/file name: MARKETBASIN2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 164
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 38.933 (CFS)
Total volume = 25.914 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****
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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 164
Hydrograph time unit = 10.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	10.830	9.000	10.768	10.892
2.000	21.930	9.000	21.868	21.992
3.000	33.310	18.500	33.183	33.437
4.000	44.970	21.760	44.820	45.120
5.000	56.900	24.300	56.733	57.067

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	9.7	19.47	29.20	38.93	Depth (Ft.)
0.167	0.08	0.00	0.001	O	|	|	|	|	0.00
0.333	0.53	0.00	0.005	O	|	|	|	|	0.00
0.500	1.46	0.02	0.018	OI	|	|	|	|	0.00
0.667	2.03	0.03	0.042	OI	|	|	|	|	0.00
0.833	2.51	0.06	0.073	O I	|	|	|	|	0.01
1.000	3.08	0.09	0.110	O I	|	|	|	|	0.01
1.167	3.42	0.13	0.153	O I	|	|	|	|	0.01
1.333	3.56	0.17	0.199	O I	|	|	|	|	0.02
1.500	3.53	0.20	0.246	O I	|	|	|	|	0.02
1.667	3.56	0.24	0.292	O I	|	|	|	|	0.03

1.833	3.69	0.28	0.338	O I				0.03
2.000	3.91	0.32	0.386	O I				0.04
2.167	4.06	0.36	0.436	O I				0.04
2.333	4.24	0.41	0.488	O I				0.05
2.500	4.48	0.45	0.542	O I				0.05
2.667	4.67	0.50	0.599	O I				0.06
2.833	4.94	0.55	0.658	O I				0.06
3.000	5.38	0.60	0.721	O I				0.07
3.167	5.65	0.66	0.788	O I				0.07
3.333	5.81	0.71	0.858	O I				0.08
3.500	5.92	0.77	0.928	O I				0.09
3.667	6.01	0.83	0.999	O I				0.09
3.833	6.16	0.89	1.071	O I				0.10
4.000	6.39	0.95	1.145	O I				0.11
4.167	6.57	1.01	1.221	O I				0.11
4.333	6.83	1.08	1.299	O I				0.12
4.500	7.27	1.15	1.381	O I				0.13
4.667	7.56	1.22	1.467	O I				0.14
4.833	7.90	1.29	1.556	O I				0.14
5.000	8.38	1.37	1.649	O I				0.15
5.167	8.64	1.45	1.747	O I				0.16
5.333	8.64	1.53	1.846	O I				0.17
5.500	8.39	1.61	1.941	O I				0.18
5.667	8.32	1.69	2.034	O I				0.19
5.833	8.54	1.77	2.126	O I				0.20
6.000	9.08	1.85	2.222	O I				0.21
6.167	9.42	1.93	2.324	O I				0.21
6.333	9.77	2.02	2.429	O I				0.22
6.500	10.25	2.11	2.538	O I				0.23
6.667	10.58	2.20	2.652	O I				0.24
6.833	10.94	2.30	2.769	O I				0.26
7.000	11.44	2.40	2.891	O I				0.27
7.167	11.76	2.51	3.017	O I				0.28
7.333	12.05	2.61	3.146	O I				0.29
7.500	12.37	2.72	3.277	O I				0.30
7.667	12.64	2.83	3.411	O I				0.31
7.833	13.14	2.95	3.549	O I				0.33
8.000	13.98	3.07	3.694	O I				0.34
8.167	14.56	3.20	3.848	O I				0.36
8.333	15.31	3.33	4.008	O I				0.37
8.500	16.45	3.47	4.180	O I				0.39
8.667	17.19	3.63	4.363	O I				0.40
8.833	17.87	3.78	4.553	O I				0.42
9.000	18.72	3.95	4.752	O I				0.44
9.167	19.35	4.12	4.959	O I				0.46
9.333	20.23	4.30	5.173	O I				0.48
9.500	21.59	4.49	5.401	O I				0.50
9.667	22.49	4.69	5.641	O I				0.52
9.833	23.35	4.90	5.891	O I				0.54
10.000	24.44	5.11	6.151	O I				0.57
10.167	24.92	5.33	6.419	O I				0.59
10.333	24.19	5.55	6.682	O I				0.62
10.500	22.07	5.75	6.923	O I				0.64
10.667	21.06	5.93	7.139	O I				0.66
10.833	21.38	6.11	7.349	O I				0.68
11.000	22.87	6.29	7.568	O I				0.70
11.167	23.67	6.48	7.801	O I				0.72
11.333	23.89	6.68	8.038	O I				0.74
11.500	23.77	6.87	8.273	O I				0.76
11.667	23.67	7.07	8.503	O I				0.79
11.833	23.41	7.25	8.729	O I				0.81
12.000	22.86	7.43	8.947	O I				0.83
12.167	22.80	7.61	9.157	O I				0.85
12.333	24.07	7.79	9.374	O I				0.87
12.500	26.96	7.99	9.617	O I				0.89
12.667	28.72	8.22	9.889	O I				0.91
12.833	30.14	8.46	10.179	O I				0.94
13.000	31.84	8.72	10.488	O I				0.97
13.167	33.05	8.99	10.813	O I				1.00
13.333	34.73	9.00	11.156	O I				1.03
13.500	37.39	9.00	11.528	O I				1.06

13.667	38.93	9.00	11.930	| O|	|	|	I |	1.10
13.833	38.13	9.00	12.337	| O|	|	| I|	1.14
14.000	34.37	9.00	12.712	| O|	|	I |	1.17
14.167	32.41	9.00	13.048	| O|	|	I |	1.20
14.333	32.04	9.00	13.368	| O|	|	I |	1.23
14.500	32.71	9.00	13.690	| O|	|	I |	1.26
14.667	33.01	9.00	14.019	| O|	|	I |	1.29
14.833	32.93	9.00	14.349	| O|	|	I |	1.32
15.000	32.62	9.00	14.676	| O|	|	I |	1.35
15.167	32.38	9.00	15.000	| O|	|	I |	1.38
15.333	31.91	9.00	15.319	| O|	|	I |	1.40
15.500	31.09	9.00	15.629	| O|	|	I |	1.43
15.667	30.44	9.00	15.929	| O|	|	I |	1.46
15.833	29.34	9.00	16.216	| O|	|	I |	1.49
16.000	27.47	9.00	16.484	| O|	| I	|	1.51
16.167	25.90	9.00	16.727	| O|	| I	|	1.53
16.333	22.56	9.00	16.937	| O|	I |	|	1.55
16.500	16.50	9.00	17.082	| O| I	|	|	1.56
16.667	12.87	9.00	17.160	| O| I	|	|	1.57
16.833	10.65	9.00	17.198	| OI	|	|	1.57
17.000	8.89	9.00	17.209	| O|	|	|	1.57
17.167	7.77	9.00	17.200	| IO|	|	|	1.57
17.333	7.24	9.00	17.179	| I O|	|	|	1.57
17.500	7.34	9.00	17.156	| IO|	|	|	1.57
17.667	7.24	9.00	17.132	| I O|	|	|	1.57
17.833	6.97	9.00	17.106	| I O|	|	|	1.57
18.000	6.61	9.00	17.076	| I O|	|	|	1.56
18.167	6.34	9.00	17.041	| I O|	|	|	1.56
18.333	6.06	9.00	17.002	| I O|	|	|	1.56
18.500	5.74	9.00	16.960	| I O|	|	|	1.55
18.667	5.49	9.00	16.913	| I O|	|	|	1.55
18.833	5.08	9.00	16.862	| I O|	|	|	1.54
19.000	4.39	9.00	16.803	| I O|	|	|	1.54
19.167	4.00	9.00	16.737	| I O|	|	|	1.53
19.333	3.94	9.00	16.668	| I O|	|	|	1.53
19.500	4.14	9.00	16.599	| I O|	|	|	1.52
19.667	4.23	9.00	16.533	| I O|	|	|	1.51
19.833	4.10	9.00	16.467	| I O|	|	|	1.51
20.000	3.75	9.00	16.397	| I O|	|	|	1.50
20.167	3.57	9.00	16.323	| I O|	|	|	1.49
20.333	3.55	9.00	16.248	| I O|	|	|	1.49
20.500	3.66	9.00	16.174	| I O|	|	|	1.48
20.667	3.70	9.00	16.101	| I O|	|	|	1.47
20.833	3.63	9.00	16.027	| I O|	|	|	1.47
21.000	3.45	9.00	15.952	| I O|	|	|	1.46
21.167	3.34	9.00	15.875	| I O|	|	|	1.45
21.333	3.29	9.00	15.796	| I O|	|	|	1.45
21.500	3.24	9.00	15.717	| I O|	|	|	1.44
21.667	3.21	9.00	15.638	| I O|	|	|	1.43
21.833	3.19	9.00	15.558	| I O|	|	|	1.43
22.000	3.18	9.00	15.478	| I O|	|	|	1.42
22.167	3.17	9.00	15.398	| I O|	|	|	1.41
22.333	3.17	9.00	15.317	| I O|	|	|	1.40
22.500	3.16	9.00	15.237	| I O|	|	|	1.40
22.667	3.13	9.00	15.156	| I O|	|	|	1.39
22.833	3.04	9.00	15.075	| I O|	|	|	1.38
23.000	2.85	9.00	14.991	| I O|	|	|	1.37
23.167	2.74	9.00	14.906	| I O|	|	|	1.37
23.333	2.68	9.00	14.819	| I O|	|	|	1.36
23.500	2.64	9.00	14.732	| I O|	|	|	1.35
23.667	2.61	9.00	14.644	| I O|	|	|	1.34
23.833	2.58	9.00	14.556	| I O|	|	|	1.34
24.000	2.57	9.00	14.467	| I O|	|	|	1.33
24.167	2.49	9.00	14.378	| I O|	|	|	1.32
24.333	2.12	9.00	14.286	|I O|	|	|	1.31
24.500	1.36	9.00	14.186	|I O|	|	|	1.30
24.667	0.93	9.00	14.078	I O|	|	|	1.29
24.833	0.68	9.00	13.965	I O|	|	|	1.28
25.000	0.52	9.00	13.849	I O|	|	|	1.27
25.167	0.41	9.00	13.732	I O|	|	|	1.26
25.333	0.32	9.00	13.613	I O|	|	|	1.25

25.500	0.25	9.00	13.493	I	O	|	|	|	1.24
25.667	0.20	9.00	13.372	I	O	|	|	|	1.23
25.833	0.15	9.00	13.250	I	O	|	|	|	1.22
26.000	0.12	9.00	13.128	I	O	|	|	|	1.21
26.167	0.09	9.00	13.005	I	O	|	|	|	1.20
26.333	0.07	9.00	12.883	I	O	|	|	|	1.18
26.500	0.05	9.00	12.759	I	O	|	|	|	1.17
26.667	0.04	9.00	12.636	I	O	|	|	|	1.16
26.833	0.03	9.00	12.513	I	O	|	|	|	1.15
27.000	0.02	9.00	12.389	I	O	|	|	|	1.14
27.167	0.01	9.00	12.265	I	O	|	|	|	1.13
27.333	0.00	9.00	12.142	I	O	|	|	|	1.12
27.500	0.00	9.00	12.018	I	O	|	|	|	1.11
27.667	0.00	9.00	11.894	I	O	|	|	|	1.10
27.833	0.00	9.00	11.770	I	O	|	|	|	1.08
28.000	0.00	9.00	11.646	I	O	|	|	|	1.07
28.167	0.00	9.00	11.522	I	O	|	|	|	1.06
28.333	0.00	9.00	11.398	I	O	|	|	|	1.05
28.500	0.00	9.00	11.274	I	O	|	|	|	1.04
28.667	0.00	9.00	11.150	I	O	|	|	|	1.03
28.833	0.00	9.00	11.026	I	O	|	|	|	1.02
29.000	0.00	9.00	10.902	I	O	|	|	|	1.01
29.167	0.00	8.96	10.778	I	O	|	|	|	1.00
29.333	0.00	8.86	10.656	I	O	|	|	|	0.98
29.500	0.00	8.75	10.534	I	O	|	|	|	0.97
29.667	0.00	8.65	10.414	I	O	|	|	|	0.96
29.833	0.00	8.56	10.296	I	O	|	|	|	0.95
30.000	0.00	8.46	10.179	I	O	|	|	|	0.94
30.167	0.00	8.36	10.063	I	O	|	|	|	0.93
30.333	0.00	8.27	9.948	I	O	|	|	|	0.92
30.500	0.00	8.17	9.835	I	O	|	|	|	0.91
30.667	0.00	8.08	9.723	I	O	|	|	|	0.90
30.833	0.00	7.99	9.612	I	O	|	|	|	0.89
31.000	0.00	7.90	9.503	I	O	|	|	|	0.88
31.167	0.00	7.81	9.395	I	O	|	|	|	0.87
31.333	0.00	7.72	9.288	I	O	|	|	|	0.86
31.500	0.00	7.63	9.182	I	O	|	|	|	0.85
31.667	0.00	7.54	9.078	I	O	|	|	|	0.84
31.833	0.00	7.46	8.974	I	O	|	|	|	0.83
32.000	0.00	7.37	8.872	I	O	|	|	|	0.82
32.167	0.00	7.29	8.771	I	O	|	|	|	0.81
32.333	0.00	7.21	8.671	I	O	|	|	|	0.80
32.500	0.00	7.12	8.573	I	O	|	|	|	0.79
32.667	0.00	7.04	8.475	I	O	|	|	|	0.78
32.833	0.00	6.96	8.379	I	O	|	|	|	0.77
33.000	0.00	6.88	8.283	I	O	|	|	|	0.76
33.167	0.00	6.81	8.189	I	O	|	|	|	0.76
33.333	0.00	6.73	8.096	I	O	|	|	|	0.75
33.500	0.00	6.65	8.004	I	O	|	|	|	0.74
33.667	0.00	6.58	7.913	I	O	|	|	|	0.73
33.833	0.00	6.50	7.823	I	O	|	|	|	0.72
34.000	0.00	6.43	7.734	I	O	|	|	|	0.71
34.167	0.00	6.35	7.646	I	O	|	|	|	0.71
34.333	0.00	6.28	7.559	I	O	|	|	|	0.70
34.500	0.00	6.21	7.473	I	O	|	|	|	0.69
34.667	0.00	6.14	7.387	I	O	|	|	|	0.68
34.833	0.00	6.07	7.303	I	O	|	|	|	0.67
35.000	0.00	6.00	7.220	I	O	|	|	|	0.67
35.167	0.00	5.93	7.138	I	O	|	|	|	0.66
35.333	0.00	5.86	7.057	I	O	|	|	|	0.65
35.500	0.00	5.80	6.977	I	O	|	|	|	0.64
35.667	0.00	5.73	6.897	I	O	|	|	|	0.64
35.833	0.00	5.67	6.819	I	O	|	|	|	0.63
36.000	0.00	5.60	6.741	I	O	|	|	|	0.62
36.167	0.00	5.54	6.664	I	O	|	|	|	0.62
36.333	0.00	5.48	6.588	I	O	|	|	|	0.61
36.500	0.00	5.41	6.513	I	O	|	|	|	0.60
36.667	0.00	5.35	6.439	I	O	|	|	|	0.59
36.833	0.00	5.29	6.366	I	O	|	|	|	0.59
37.000	0.00	5.23	6.294	I	O	|	|	|	0.58
37.167	0.00	5.17	6.222	I	O	|	|	|	0.57

37.333	0.00	5.11	6.151	I O				0.57
37.500	0.00	5.05	6.081	I O				0.56
37.667	0.00	5.00	6.012	I O				0.56
37.833	0.00	4.94	5.944	I O				0.55
38.000	0.00	4.88	5.876	I O				0.54
38.167	0.00	4.83	5.809	I O				0.54
38.333	0.00	4.77	5.743	I O				0.53
38.500	0.00	4.72	5.678	I O				0.52
38.667	0.00	4.66	5.613	I O				0.52
38.833	0.00	4.61	5.549	I O				0.51
39.000	0.00	4.56	5.486	I O				0.51
39.167	0.00	4.51	5.423	I O				0.50
39.333	0.00	4.46	5.362	I O				0.50
39.500	0.00	4.40	5.301	I O				0.49
39.667	0.00	4.35	5.240	I O				0.48
39.833	0.00	4.31	5.181	I O				0.48
40.000	0.00	4.26	5.122	I O				0.47
40.167	0.00	4.21	5.063	I O				0.47
40.333	0.00	4.16	5.006	I O				0.46
40.500	0.00	4.11	4.949	I O				0.46
40.667	0.00	4.07	4.893	I O				0.45
40.833	0.00	4.02	4.837	I O				0.45
41.000	0.00	3.97	4.782	I O				0.44
41.167	0.00	3.93	4.727	I O				0.44
41.333	0.00	3.88	4.674	I O				0.43
41.500	0.00	3.84	4.620	I O				0.43
41.667	0.00	3.80	4.568	I O				0.42
41.833	0.00	3.75	4.516	I O				0.42
42.000	0.00	3.71	4.464	I O				0.41
42.167	0.00	3.67	4.414	I O				0.41
42.333	0.00	3.63	4.363	I O				0.40
42.500	0.00	3.58	4.314	I O				0.40
42.667	0.00	3.54	4.265	I O				0.39
42.833	0.00	3.50	4.216	I O				0.39
43.000	0.00	3.46	4.168	I O				0.38
43.167	0.00	3.42	4.121	I O				0.38
43.333	0.00	3.39	4.074	I O				0.38
43.500	0.00	3.35	4.027	I O				0.37
43.667	0.00	3.31	3.982	I O				0.37
43.833	0.00	3.27	3.936	I O				0.36
44.000	0.00	3.23	3.891	I O				0.36
44.167	0.00	3.20	3.847	I O				0.36
44.333	0.00	3.16	3.803	I O				0.35
44.500	0.00	3.12	3.760	I O				0.35
44.667	0.00	3.09	3.717	I O				0.34
44.833	0.00	3.05	3.675	I O				0.34
45.000	0.00	3.02	3.633	I O				0.34
45.167	0.00	2.98	3.592	I O				0.33
45.333	0.00	2.95	3.551	I O				0.33
45.500	0.00	2.92	3.510	I O				0.32
45.667	0.00	2.88	3.471	I O				0.32
45.833	0.00	2.85	3.431	I O				0.32
46.000	0.00	2.82	3.392	I O				0.31
46.167	0.00	2.79	3.353	I O				0.31
46.333	0.00	2.76	3.315	I O				0.31
46.500	0.00	2.72	3.277	I O				0.30
46.667	0.00	2.69	3.240	I O				0.30
46.833	0.00	2.66	3.203	I O				0.30
47.000	0.00	2.63	3.167	I O				0.29
47.167	0.00	2.60	3.131	I O				0.29
47.333	0.00	2.57	3.095	I O				0.29
47.500	0.00	2.54	3.060	I O				0.28
47.667	0.00	2.51	3.025	I O				0.28
47.833	0.00	2.49	2.991	I O				0.28
48.000	0.00	2.46	2.957	I O				0.27
48.167	0.00	2.43	2.923	IO				0.27
48.333	0.00	2.40	2.890	IO				0.27
48.500	0.00	2.37	2.857	IO				0.26
48.667	0.00	2.35	2.824	IO				0.26
48.833	0.00	2.32	2.792	IO				0.26
49.000	0.00	2.29	2.760	IO				0.25

49.167	0.00	2.27	2.729	IO				0.25
49.333	0.00	2.24	2.698	IO				0.25
49.500	0.00	2.22	2.667	IO				0.25
49.667	0.00	2.19	2.637	IO				0.24
49.833	0.00	2.17	2.607	IO				0.24
50.000	0.00	2.14	2.577	IO				0.24
50.167	0.00	2.12	2.548	IO				0.24
50.333	0.00	2.09	2.519	IO				0.23
50.500	0.00	2.07	2.490	IO				0.23
50.667	0.00	2.05	2.462	IO				0.23
50.833	0.00	2.02	2.434	IO				0.22
51.000	0.00	2.00	2.406	IO				0.22
51.167	0.00	1.98	2.379	IO				0.22
51.333	0.00	1.95	2.352	IO				0.22
51.500	0.00	1.93	2.325	IO				0.21
51.667	0.00	1.91	2.298	IO				0.21
51.833	0.00	1.89	2.272	IO				0.21
52.000	0.00	1.87	2.246	IO				0.21
52.167	0.00	1.85	2.221	IO				0.21
52.333	0.00	1.82	2.196	IO				0.20
52.500	0.00	1.80	2.171	IO				0.20
52.667	0.00	1.78	2.146	IO				0.20
52.833	0.00	1.76	2.121	IO				0.20
53.000	0.00	1.74	2.097	IO				0.19
53.167	0.00	1.72	2.073	IO				0.19
53.333	0.00	1.70	2.050	IO				0.19
53.500	0.00	1.68	2.026	IO				0.19
53.667	0.00	1.66	2.003	IO				0.18
53.833	0.00	1.65	1.981	IO				0.18
54.000	0.00	1.63	1.958	IO				0.18
54.167	0.00	1.61	1.936	IO				0.18
54.333	0.00	1.59	1.914	IO				0.18
54.500	0.00	1.57	1.892	IO				0.17
54.667	0.00	1.55	1.870	IO				0.17
54.833	0.00	1.54	1.849	IO				0.17
55.000	0.00	1.52	1.828	IO				0.17
55.167	0.00	1.50	1.807	IO				0.17
55.333	0.00	1.48	1.787	IO				0.16
55.500	0.00	1.47	1.766	IO				0.16
55.667	0.00	1.45	1.746	IO				0.16
55.833	0.00	1.43	1.726	IO				0.16
56.000	0.00	1.42	1.707	IO				0.16
56.167	0.00	1.40	1.687	IO				0.16
56.333	0.00	1.39	1.668	IO				0.15
56.500	0.00	1.37	1.649	IO				0.15
56.667	0.00	1.35	1.630	IO				0.15
56.833	0.00	1.34	1.612	IO				0.15
57.000	0.00	1.32	1.593	IO				0.15
57.167	0.00	1.31	1.575	IO				0.15
57.333	0.00	1.29	1.557	IO				0.14
57.500	0.00	1.28	1.540	IO				0.14
57.667	0.00	1.26	1.522	IO				0.14
57.833	0.00	1.25	1.505	IO				0.14
58.000	0.00	1.24	1.488	IO				0.14
58.167	0.00	1.22	1.471	IO				0.14
58.333	0.00	1.21	1.454	O				0.13
58.500	0.00	1.19	1.437	O				0.13
58.667	0.00	1.18	1.421	O				0.13
58.833	0.00	1.17	1.405	O				0.13
59.000	0.00	1.15	1.389	O				0.13
59.167	0.00	1.14	1.373	O				0.13
59.333	0.00	1.13	1.358	O				0.13
59.500	0.00	1.12	1.342	O				0.12
59.667	0.00	1.10	1.327	O				0.12
59.833	0.00	1.09	1.312	O				0.12
60.000	0.00	1.08	1.297	O				0.12
60.167	0.00	1.07	1.282	O				0.12
60.333	0.00	1.05	1.267	O				0.12
60.500	0.00	1.04	1.253	O				0.12
60.667	0.00	1.03	1.239	O				0.11
60.833	0.00	1.02	1.225	O				0.11

61.000	0.00	1.01	1.211	O				0.11
61.167	0.00	0.99	1.197	O				0.11
61.333	0.00	0.98	1.183	O				0.11
61.500	0.00	0.97	1.170	O				0.11
61.667	0.00	0.96	1.157	O				0.11
61.833	0.00	0.95	1.143	O				0.11
62.000	0.00	0.94	1.130	O				0.10
62.167	0.00	0.93	1.117	O				0.10
62.333	0.00	0.92	1.105	O				0.10
62.500	0.00	0.91	1.092	O				0.10
62.667	0.00	0.90	1.080	O				0.10
62.833	0.00	0.89	1.067	O				0.10
63.000	0.00	0.88	1.055	O				0.10
63.167	0.00	0.87	1.043	O				0.10
63.333	0.00	0.86	1.031	O				0.10
63.500	0.00	0.85	1.020	O				0.09
63.667	0.00	0.84	1.008	O				0.09
63.833	0.00	0.83	0.997	O				0.09
64.000	0.00	0.82	0.985	O				0.09
64.167	0.00	0.81	0.974	O				0.09
64.333	0.00	0.80	0.963	O				0.09
64.500	0.00	0.79	0.952	O				0.09
64.667	0.00	0.78	0.941	O				0.09
64.833	0.00	0.77	0.930	O				0.09
65.000	0.00	0.76	0.920	O				0.08
65.167	0.00	0.76	0.909	O				0.08
65.333	0.00	0.75	0.899	O				0.08
65.500	0.00	0.74	0.889	O				0.08
65.667	0.00	0.73	0.879	O				0.08
65.833	0.00	0.72	0.869	O				0.08
66.000	0.00	0.71	0.859	O				0.08
66.167	0.00	0.71	0.849	O				0.08
66.333	0.00	0.70	0.839	O				0.08
66.500	0.00	0.69	0.830	O				0.08
66.667	0.00	0.68	0.820	O				0.08
66.833	0.00	0.67	0.811	O				0.07
67.000	0.00	0.67	0.802	O				0.07
67.167	0.00	0.66	0.793	O				0.07
67.333	0.00	0.65	0.784	O				0.07
67.500	0.00	0.64	0.775	O				0.07
67.667	0.00	0.64	0.766	O				0.07
67.833	0.00	0.63	0.757	O				0.07
68.000	0.00	0.62	0.749	O				0.07
68.167	0.00	0.62	0.740	O				0.07
68.333	0.00	0.61	0.732	O				0.07
68.500	0.00	0.60	0.723	O				0.07
68.667	0.00	0.59	0.715	O				0.07
68.833	0.00	0.59	0.707	O				0.07
69.000	0.00	0.58	0.699	O				0.06
69.167	0.00	0.57	0.691	O				0.06
69.333	0.00	0.57	0.683	O				0.06
69.500	0.00	0.56	0.675	O				0.06
69.667	0.00	0.55	0.668	O				0.06
69.833	0.00	0.55	0.660	O				0.06
70.000	0.00	0.54	0.653	O				0.06
70.167	0.00	0.54	0.645	O				0.06
70.333	0.00	0.53	0.638	O				0.06
70.500	0.00	0.52	0.630	O				0.06
70.667	0.00	0.52	0.623	O				0.06
70.833	0.00	0.51	0.616	O				0.06
71.000	0.00	0.51	0.609	O				0.06
71.167	0.00	0.50	0.602	O				0.06
71.333	0.00	0.49	0.595	O				0.05
71.500	0.00	0.49	0.589	O				0.05
71.667	0.00	0.48	0.582	O				0.05
71.833	0.00	0.48	0.575	O				0.05
72.000	0.00	0.47	0.569	O				0.05
72.167	0.00	0.47	0.562	O				0.05
72.333	0.00	0.46	0.556	O				0.05
72.500	0.00	0.46	0.550	O				0.05
72.667	0.00	0.45	0.543	O				0.05

72.833	0.00	0.45	0.537	O	|	|	|	| 0.05
73.000	0.00	0.44	0.531	O	|	|	|	| 0.05
73.167	0.00	0.44	0.525	O	|	|	|	| 0.05
73.333	0.00	0.43	0.519	O	|	|	|	| 0.05
73.500	0.00	0.43	0.513	O	|	|	|	| 0.05
73.667	0.00	0.42	0.507	O	|	|	|	| 0.05
73.833	0.00	0.42	0.501	O	|	|	|	| 0.05
74.000	0.00	0.41	0.496	O	|	|	|	| 0.05
74.167	0.00	0.41	0.490	O	|	|	|	| 0.05
74.333	0.00	0.40	0.485	O	|	|	|	| 0.04
74.500	0.00	0.40	0.479	O	|	|	|	| 0.04
74.667	0.00	0.39	0.474	O	|	|	|	| 0.04
74.833	0.00	0.39	0.468	O	|	|	|	| 0.04
75.000	0.00	0.38	0.463	O	|	|	|	| 0.04
75.167	0.00	0.38	0.458	O	|	|	|	| 0.04
75.333	0.00	0.38	0.452	O	|	|	|	| 0.04
75.500	0.00	0.37	0.447	O	|	|	|	| 0.04
75.667	0.00	0.37	0.442	O	|	|	|	| 0.04
75.833	0.00	0.36	0.437	O	|	|	|	| 0.04
76.000	0.00	0.36	0.432	O	|	|	|	| 0.04
76.167	0.00	0.36	0.427	O	|	|	|	| 0.04
76.333	0.00	0.35	0.422	O	|	|	|	| 0.04
76.500	0.00	0.35	0.418	O	|	|	|	| 0.04
76.667	0.00	0.34	0.413	O	|	|	|	| 0.04
76.833	0.00	0.34	0.408	O	|	|	|	| 0.04
77.000	0.00	0.34	0.403	O	|	|	|	| 0.04

Remaining water in basin = 0.4 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 779
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 9.000 (CFS)
Total volume = 25.904 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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