EXISTING CONDITION
FLOW ANALYSIS REPORT

Proposed Phase-2 Office/Warehouse/Manufacturing Building

Prepared for

AUROBINDO PHARMA USA, INC.

279 Princeton-Hightstown Road
BLOCK 4, LOT 2, East Windsor Township
Mercer County, New Jersey

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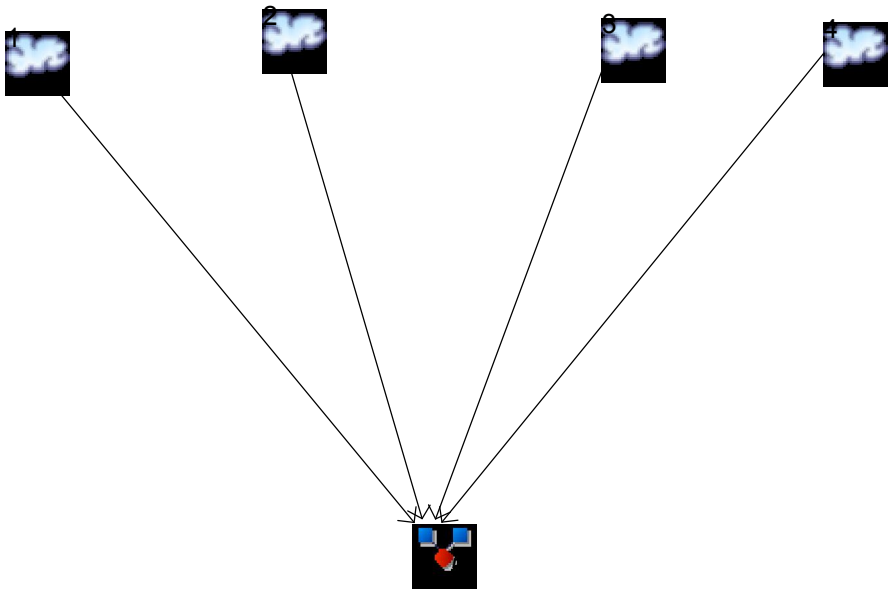
File Number 18-012
Date: March 5, 2018

TOTAL EXISTING BYPASS AREAS FLOW

Watershed Model Schematic



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	2.901	2	760	29,520	----	------	------	AREA #1
2	SCS Runoff	0.949	2	734	4,778	----	------	------	AREA #4
3	SCS Runoff	0.054	2	756	618	----	------	------	AREA #7
4	SCS Runoff	0.060	2	752	643	----	------	------	AREA #8
5	Combine	3.509	2	752	35,559	1, 2, 3, 4	------	------	TOTAL EX. BYPASS FLOW

Hydrograph Report

Hyd. No. 1

AREA #1

Hydrograph type	= SCS Runoff	Peak discharge	= 2.901 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.67 hrs
Time interval	= 2 min	Hyd. volume	= 29,520 cuft
Drainage area	= 16.650 ac	Curve number	= 61*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 27.6 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(3.690 x 70) + (10.440 x 55) + (2.467 x 70) + (0.036 x 98) + (0.012 x 55)] / 16.650

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.97	0.041	13.23	1.981	14.50	0.924	15.77	0.689
12.00	0.097	13.27	1.895	14.53	0.917	15.80	0.682
12.03	0.193	13.30	1.808	14.57	0.909	15.83	0.676
12.07	0.327	13.33	1.724	14.60	0.902	15.87	0.669
12.10	0.491	13.37	1.646	14.63	0.895	15.90	0.663
12.13	0.680	13.40	1.577	14.67	0.888	15.93	0.656
12.17	0.893	13.43	1.516	14.70	0.881	15.97	0.650
12.20	1.127	13.47	1.461	14.73	0.874	16.00	0.643
12.23	1.375	13.50	1.412	14.77	0.868	16.03	0.636
12.27	1.626	13.53	1.367	14.80	0.861	16.07	0.630
12.30	1.860	13.57	1.327	14.83	0.855	16.10	0.623
12.33	2.062	13.60	1.292	14.87	0.849	16.13	0.617
12.37	2.235	13.63	1.260	14.90	0.843	16.17	0.610
12.40	2.385	13.67	1.233	14.93	0.836	16.20	0.604
12.43	2.518	13.70	1.209	14.97	0.831	16.23	0.597
12.47	2.632	13.73	1.188	15.00	0.825	16.27	0.591
12.50	2.725	13.77	1.169	15.03	0.819	16.30	0.585
12.53	2.797	13.80	1.153	15.07	0.813	16.33	0.580
12.57	2.849	13.83	1.137	15.10	0.807	16.37	0.574
12.60	2.882	13.87	1.123	15.13	0.802	16.40	0.569
12.63	2.899	13.90	1.109	15.17	0.796	16.43	0.563
12.67	2.901 <<	13.93	1.096	15.20	0.790	16.47	0.558
12.70	2.890	13.97	1.083	15.23	0.785	16.50	0.553
12.73	2.869	14.00	1.071	15.27	0.779	16.53	0.549
12.77	2.840	14.03	1.058	15.30	0.773	16.57	0.544
12.80	2.805	14.07	1.047	15.33	0.767	16.60	0.539
12.83	2.766	14.10	1.035	15.37	0.762	16.63	0.535
12.87	2.723	14.13	1.024	15.40	0.756	16.67	0.531
12.90	2.676	14.17	1.014	15.43	0.750	16.70	0.527
12.93	2.624	14.20	1.003	15.47	0.744	16.73	0.523
12.97	2.568	14.23	0.993	15.50	0.738	16.77	0.519
13.00	2.507	14.27	0.984	15.53	0.732	16.80	0.515
13.03	2.443	14.30	0.975	15.57	0.726	16.83	0.511
13.07	2.375	14.33	0.966	15.60	0.720	16.87	0.508
13.10	2.302	14.37	0.957	15.63	0.714	16.90	0.504
13.13	2.227	14.40	0.949	15.67	0.707	16.93	0.501
13.17	2.148	14.43	0.940	15.70	0.701	16.97	0.497
13.20	2.066	14.47	0.932	15.73	0.695	17.00	0.494

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AREA #1

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
17.03	0.491	18.87	0.340	20.70	0.287	22.53	0.261
17.07	0.487	18.90	0.339	20.73	0.286	22.57	0.260
17.10	0.484	18.93	0.338	20.77	0.285	22.60	0.259
17.13	0.481	18.97	0.336	20.80	0.284	22.63	0.258
17.17	0.478	19.00	0.335	20.83	0.283	22.67	0.257
17.20	0.475	19.03	0.334	20.87	0.282	22.70	0.256
17.23	0.472	19.07	0.333	20.90	0.281	22.73	0.254
17.27	0.469	19.10	0.332	20.93	0.280	22.77	0.253
17.30	0.466	19.13	0.331	20.97	0.279	22.80	0.252
17.33	0.463	19.17	0.330	21.00	0.278	22.83	0.251
17.37	0.460	19.20	0.329	21.03	0.277	22.87	0.250
17.40	0.457	19.23	0.328	21.07	0.276	22.90	0.248
17.43	0.453	19.27	0.327	21.10	0.275	22.93	0.247
17.47	0.450	19.30	0.327	21.13	0.274	22.97	0.246
17.50	0.447	19.33	0.326	21.17	0.273	23.00	0.245
17.53	0.444	19.37	0.325	21.20	0.272	23.03	0.243
17.57	0.441	19.40	0.324	21.23	0.271	23.07	0.242
17.60	0.438	19.43	0.323	21.27	0.270	23.10	0.241
17.63	0.435	19.47	0.322	21.30	0.269	23.13	0.239
17.67	0.432	19.50	0.321	21.33	0.268	23.17	0.238
17.70	0.429	19.53	0.320	21.37	0.267	23.20	0.236
17.73	0.425	19.57	0.319	21.40	0.266	23.23	0.235
17.77	0.422	19.60	0.318	21.43	0.265	23.27	0.233
17.80	0.419	19.63	0.317	21.47	0.264	23.30	0.232
17.83	0.416	19.67	0.317	21.50	0.263	23.33	0.230
17.87	0.413	19.70	0.316	21.53	0.262	23.37	0.229
17.90	0.409	19.73	0.315	21.57	0.261	23.40	0.228
17.93	0.406	19.77	0.314	21.60	0.260	23.43	0.227
17.97	0.403	19.80	0.313	21.63	0.259	23.47	0.226
18.00	0.400	19.83	0.312	21.67	0.258	23.50	0.225
18.03	0.397	19.87	0.311	21.70	0.257	23.53	0.225
18.07	0.393	19.90	0.310	21.73	0.256	23.57	0.224
18.10	0.390	19.93	0.309	21.77	0.255	23.60	0.223
18.13	0.387	19.97	0.308	21.80	0.254	23.63	0.222
18.17	0.384	20.00	0.307	21.83	0.253	23.67	0.221
18.20	0.381	20.03	0.306	21.87	0.252	23.70	0.221
18.23	0.378	20.07	0.305	21.90	0.251	23.73	0.220
18.27	0.375	20.10	0.304	21.93	0.250	23.77	0.219
18.30	0.372	20.13	0.303	21.97	0.249	23.80	0.218
18.33	0.370	20.17	0.302	22.00	0.247	23.83	0.217
18.37	0.367	20.20	0.302	22.03	0.249	23.87	0.217
18.40	0.365	20.23	0.301	22.07	0.251	23.90	0.216
18.43	0.362	20.27	0.300	22.10	0.253	23.93	0.215
18.47	0.360	20.30	0.299	22.13	0.256	23.97	0.214
18.50	0.358	20.33	0.298	22.17	0.258	24.00	0.213
18.53	0.356	20.37	0.297	22.20	0.260	24.03	0.212
18.57	0.354	20.40	0.296	22.23	0.263	24.07	0.209
18.60	0.352	20.43	0.295	22.27	0.265	24.10	0.204
18.63	0.350	20.47	0.294	22.30	0.268	24.13	0.199
18.67	0.349	20.50	0.293	22.33	0.267	24.17	0.193
18.70	0.347	20.53	0.292	22.37	0.266	24.20	0.186
18.73	0.346	20.57	0.291	22.40	0.265	24.23	0.178
18.77	0.344	20.60	0.290	22.43	0.264	24.27	0.168
18.80	0.343	20.63	0.289	22.47	0.263	24.30	0.158
18.83	0.341	20.67	0.288	22.50	0.262	24.33	0.148

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AREA #1

Hydrograph Discharge Table

Time (hrs	Outflow cfs)
24.37	0.138
24.40	0.129
24.43	0.120
24.47	0.111
24.50	0.103
24.53	0.095
24.57	0.087
24.60	0.080
24.63	0.073
24.67	0.066
24.70	0.060
24.73	0.054
24.77	0.048
24.80	0.042
24.83	0.037
24.87	0.033

...End

TR55 Tc Worksheet

Hyd. No. 1

AREA #1

Description	A	B	C	Totals
Sheet Flow				
Manning's n-value	= 0.170	0.011	0.011	
Flow length (ft)	= 100.0	0.0	0.0	
Two-year 24-hr precip. (in)	= 3.30	0.00	0.00	
Land slope (%)	= 2.50	0.00	0.00	
Travel Time (min)	**= 9.75**	**+ 0.00**	**+ 0.00**	**= 9.75**
Shallow Concentrated Flow				
Flow length (ft)	= 1300.00	330.00	100.00	
Watercourse slope (%)	= 0.92	1.38	0.73	
Surface description	= Unpaved	Unpaved	Paved	
Average velocity (ft/s)	= 1.55	1.90	1.74	
Travel Time (min)	**= 14.00**	**+ 2.90**	**+ 0.96**	**= 17.86**
Channel Flow				
X sectional flow area (sqft)	= 0.00	0.00	0.00	
Wetted perimeter (ft)	= 0.00	0.00	0.00	
Channel slope (%)	= 0.00	0.00	0.00	
Manning's n-value	= 0.015	0.015	0.015	
Velocity (ft/s)	= 0.00	0.00	0.00	
Flow length (ft)	= 0.0	0.0	0.0	
Travel Time (min)	**= 0.00**	**+ 0.00**	**+ 0.00**	**= 0.00**

Total Travel Time, Tc ..... 27.60 min

Hydrograph Report

Hyd. No. 2

AREA #4

Hydrograph type	= SCS Runoff	Peak discharge	= 0.949 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.23 hrs
Time interval	= 2 min	Hyd. volume	= 4,778 cuft
Drainage area	= 1.200 ac	Curve number	= 74*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 11.6 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.052 x 70) + (0.047 x 77) + (0.849 x 70) + (0.072 x 55) + (0.179 x 98)] / 1.200

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.00	0.011	12.27	0.943	13.53	0.148	14.80	0.101
11.03	0.012	12.30	0.929	13.57	0.147	14.83	0.101
11.07	0.013	12.33	0.905	13.60	0.145	14.87	0.100
11.10	0.014	12.37	0.873	13.63	0.144	14.90	0.099
11.13	0.016	12.40	0.832	13.67	0.142	14.93	0.098
11.17	0.017	12.43	0.783	13.70	0.141	14.97	0.097
11.20	0.019	12.47	0.728	13.73	0.139	15.00	0.097
11.23	0.021	12.50	0.666	13.77	0.138	15.03	0.096
11.27	0.023	12.53	0.600	13.80	0.136	15.07	0.095
11.30	0.025	12.57	0.535	13.83	0.134	15.10	0.094
11.33	0.028	12.60	0.478	13.87	0.133	15.13	0.093
11.37	0.030	12.63	0.430	13.90	0.131	15.17	0.092
11.40	0.033	12.67	0.391	13.93	0.129	15.20	0.092
11.43	0.036	12.70	0.358	13.97	0.128	15.23	0.091
11.47	0.039	12.73	0.328	14.00	0.126	15.27	0.090
11.50	0.042	12.77	0.303	14.03	0.125	15.30	0.089
11.53	0.045	12.80	0.281	14.07	0.123	15.33	0.088
11.57	0.050	12.83	0.262	14.10	0.121	15.37	0.087
11.60	0.056	12.87	0.246	14.13	0.120	15.40	0.086
11.63	0.064	12.90	0.233	14.17	0.119	15.43	0.086
11.67	0.074	12.93	0.222	14.20	0.117	15.47	0.085
11.70	0.087	12.97	0.213	14.23	0.116	15.50	0.084
11.73	0.103	13.00	0.205	14.27	0.115	15.53	0.083
11.77	0.122	13.03	0.198	14.30	0.114	15.57	0.082
11.80	0.145	13.07	0.192	14.33	0.113	15.60	0.081
11.83	0.171	13.10	0.186	14.37	0.112	15.63	0.080
11.87	0.201	13.13	0.181	14.40	0.111	15.67	0.079
11.90	0.235	13.17	0.177	14.43	0.110	15.70	0.079
11.93	0.277	13.20	0.173	14.47	0.109	15.73	0.078
11.97	0.336	13.23	0.169	14.50	0.109	15.77	0.077
12.00	0.422	13.27	0.166	14.53	0.108	15.80	0.076
12.03	0.538	13.30	0.163	14.57	0.107	15.83	0.075
12.07	0.667	13.33	0.160	14.60	0.106	15.87	0.074
12.10	0.787	13.37	0.157	14.63	0.105	15.90	0.073
12.13	0.874	13.40	0.155	14.67	0.105	15.93	0.072
12.17	0.923	13.43	0.153	14.70	0.104	15.97	0.072
12.20	0.944	13.47	0.152	14.73	0.103	16.00	0.071
12.23	0.949 <<	13.50	0.150	14.77	0.102	16.03	0.070

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.07	0.069	17.90	0.045	19.73	0.035	21.57	0.029
16.10	0.068	17.93	0.044	19.77	0.035	21.60	0.029
16.13	0.067	17.97	0.044	19.80	0.035	21.63	0.029
16.17	0.066	18.00	0.044	19.83	0.035	21.67	0.028
16.20	0.066	18.03	0.043	19.87	0.035	21.70	0.028
16.23	0.065	18.07	0.043	19.90	0.035	21.73	0.028
16.27	0.065	18.10	0.042	19.93	0.035	21.77	0.028
16.30	0.064	18.13	0.042	19.97	0.035	21.80	0.028
16.33	0.064	18.17	0.042	20.00	0.035	21.83	0.028
16.37	0.063	18.20	0.041	20.03	0.034	21.87	0.028
16.40	0.063	18.23	0.041	20.07	0.034	21.90	0.028
16.43	0.062	18.27	0.041	20.10	0.034	21.93	0.027
16.47	0.062	18.30	0.041	20.13	0.034	21.97	0.027
16.50	0.061	18.33	0.041	20.17	0.034	22.00	0.027
16.53	0.061	18.37	0.040	20.20	0.034	22.03	0.029
16.57	0.061	18.40	0.040	20.23	0.034	22.07	0.030
16.60	0.060	18.43	0.040	20.27	0.034	22.10	0.032
16.63	0.060	18.47	0.040	20.30	0.033	22.13	0.034
16.67	0.059	18.50	0.040	20.33	0.033	22.17	0.033
16.70	0.059	18.53	0.040	20.37	0.033	22.20	0.033
16.73	0.059	18.57	0.040	20.40	0.033	22.23	0.033
16.77	0.058	18.60	0.039	20.43	0.033	22.27	0.032
16.80	0.058	18.63	0.039	20.47	0.033	22.30	0.032
16.83	0.058	18.67	0.039	20.50	0.033	22.33	0.031
16.87	0.057	18.70	0.039	20.53	0.033	22.37	0.031
16.90	0.057	18.73	0.039	20.57	0.032	22.40	0.030
16.93	0.056	18.77	0.039	20.60	0.032	22.43	0.030
16.97	0.056	18.80	0.039	20.63	0.032	22.47	0.029
17.00	0.056	18.83	0.039	20.67	0.032	22.50	0.029
17.03	0.055	18.87	0.039	20.70	0.032	22.53	0.028
17.07	0.055	18.90	0.038	20.73	0.032	22.57	0.028
17.10	0.054	18.93	0.038	20.77	0.032	22.60	0.027
17.13	0.054	18.97	0.038	20.80	0.032	22.63	0.027
17.17	0.054	19.00	0.038	20.83	0.031	22.67	0.027
17.20	0.053	19.03	0.038	20.87	0.031	22.70	0.027
17.23	0.053	19.07	0.038	20.90	0.031	22.73	0.027
17.27	0.052	19.10	0.038	20.93	0.031	22.77	0.027
17.30	0.052	19.13	0.038	20.97	0.031	22.80	0.027
17.33	0.052	19.17	0.038	21.00	0.031	22.83	0.027
17.37	0.051	19.20	0.037	21.03	0.031	22.87	0.026
17.40	0.051	19.23	0.037	21.07	0.031	22.90	0.026
17.43	0.050	19.27	0.037	21.10	0.031	22.93	0.026
17.47	0.050	19.30	0.037	21.13	0.030	22.97	0.026
17.50	0.050	19.33	0.037	21.17	0.030	23.00	0.026
17.53	0.049	19.37	0.037	21.20	0.030	23.03	0.026
17.57	0.049	19.40	0.037	21.23	0.030	23.07	0.026
17.60	0.048	19.43	0.037	21.27	0.030	23.10	0.026
17.63	0.048	19.47	0.036	21.30	0.030	23.13	0.026
17.67	0.048	19.50	0.036	21.33	0.030	23.17	0.026
17.70	0.047	19.53	0.036	21.37	0.030	23.20	0.026
17.73	0.047	19.57	0.036	21.40	0.029	23.23	0.025
17.77	0.046	19.60	0.036	21.43	0.029	23.27	0.025
17.80	0.046	19.63	0.036	21.47	0.029	23.30	0.025
17.83	0.046	19.67	0.036	21.50	0.029	23.33	0.025
17.87	0.045	19.70	0.036	21.53	0.029	23.37	0.025

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AREA #4

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
23.40	0.025
23.43	0.025
23.47	0.025
23.50	0.025
23.53	0.025
23.57	0.024
23.60	0.024
23.63	0.024
23.67	0.024
23.70	0.024
23.73	0.024
23.77	0.024
23.80	0.024
23.83	0.024
23.87	0.024
23.90	0.024
23.93	0.023
23.97	0.023
24.00	0.023
24.03	0.023
24.07	0.021
24.10	0.019
24.13	0.017
24.17	0.014
24.20	0.012
24.23	0.010

...End

TR55 Tc Worksheet

Hyd. No. 2

AREA #4

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.160		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.30		0.00		0.00		
Land slope (%)	= 3.30		0.00		0.00		
Travel Time (min)	**= 8.32**	**+**	**0.00**	**+**	**0.00**	**=**	**8.32**
Shallow Concentrated Flow							
Flow length (ft)	= 427.00		0.00		0.00		
Watercourse slope (%)	= 1.12		0.00		0.00		
Surface description	= Paved		Unpaved		Paved		
Average velocity (ft/s)	= 2.15		0.00		0.00		
Travel Time (min)	**= 3.31**	**+**	**0.00**	**+**	**0.00**	**=**	**3.31**
Channel Flow							
X sectional flow area (sqft)	= 0.00		0.00		0.00		
Wetted perimeter (ft)	= 0.00		0.00		0.00		
Channel slope (%)	= 0.00		0.00		0.00		
Manning's n-value	= 0.015		0.015		0.015		
Velocity (ft/s)	= 0.00		0.00		0.00		
Flow length (ft)	= 0.0		0.0		0.0		
Travel Time (min)	**= 0.00**	**+**	**0.00**	**+**	**0.00**	**=**	**0.00**

Total Travel Time, Tc ..... 11.60 min

Hydrograph Report

Hyd. No. 3

AREA #7

Hydrograph type	= SCS Runoff	Peak discharge	= 0.054 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.60 hrs
Time interval	= 2 min	Hyd. volume	= 618 cuft
Drainage area	= 0.610 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 17.7 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.609 x 55)] / 0.610

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
12.07	0.002	13.33	0.028	14.60	0.020	15.87	0.016
12.10	0.004	13.37	0.028	14.63	0.020	15.90	0.015
12.13	0.007	13.40	0.027	14.67	0.020	15.93	0.015
12.17	0.011	13.43	0.027	14.70	0.020	15.97	0.015
12.20	0.016	13.47	0.027	14.73	0.020	16.00	0.015
12.23	0.021	13.50	0.026	14.77	0.020	16.03	0.015
12.27	0.026	13.53	0.026	14.80	0.020	16.07	0.015
12.30	0.031	13.57	0.026	14.83	0.020	16.10	0.015
12.33	0.036	13.60	0.026	14.87	0.020	16.13	0.014
12.37	0.040	13.63	0.025	14.90	0.019	16.17	0.014
12.40	0.044	13.67	0.025	14.93	0.019	16.20	0.014
12.43	0.047	13.70	0.025	14.97	0.019	16.23	0.014
12.47	0.050	13.73	0.025	15.00	0.019	16.27	0.014
12.50	0.051	13.77	0.025	15.03	0.019	16.30	0.014
12.53	0.053	13.80	0.024	15.07	0.019	16.33	0.014
12.57	0.053	13.83	0.024	15.10	0.019	16.37	0.013
12.60	0.054 <<	13.87	0.024	15.13	0.019	16.40	0.013
12.63	0.053	13.90	0.024	15.17	0.019	16.43	0.013
12.67	0.053	13.93	0.024	15.20	0.018	16.47	0.013
12.70	0.052	13.97	0.024	15.23	0.018	16.50	0.013
12.73	0.051	14.00	0.023	15.27	0.018	16.53	0.013
12.77	0.050	14.03	0.023	15.30	0.018	16.57	0.013
12.80	0.048	14.07	0.023	15.33	0.018	16.60	0.013
12.83	0.047	14.10	0.023	15.37	0.018	16.63	0.013
12.87	0.045	14.13	0.023	15.40	0.018	16.67	0.013
12.90	0.043	14.17	0.022	15.43	0.018	16.70	0.013
12.93	0.042	14.20	0.022	15.47	0.017	16.73	0.013
12.97	0.040	14.23	0.022	15.50	0.017	16.77	0.012
13.00	0.038	14.27	0.022	15.53	0.017	16.80	0.012
13.03	0.036	14.30	0.022	15.57	0.017	16.83	0.012
13.07	0.035	14.33	0.021	15.60	0.017	16.87	0.012
13.10	0.034	14.37	0.021	15.63	0.017	16.90	0.012
13.13	0.032	14.40	0.021	15.67	0.017	16.93	0.012
13.17	0.031	14.43	0.021	15.70	0.016	16.97	0.012
13.20	0.030	14.47	0.021	15.73	0.016	17.00	0.012
13.23	0.030	14.50	0.021	15.77	0.016	17.03	0.012
13.27	0.029	14.53	0.021	15.80	0.016	17.07	0.012
13.30	0.028	14.57	0.021	15.83	0.016	17.10	0.012

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AREA #7

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
17.13	0.012	18.97	0.008	20.80	0.007	22.63	0.007
17.17	0.012	19.00	0.008	20.83	0.007	22.67	0.007
17.20	0.012	19.03	0.008	20.87	0.007	22.70	0.007
17.23	0.011	19.07	0.008	20.90	0.007	22.73	0.007
17.27	0.011	19.10	0.008	20.93	0.007	22.77	0.006
17.30	0.011	19.13	0.008	20.97	0.007	22.80	0.006
17.33	0.011	19.17	0.008	21.00	0.007	22.83	0.006
17.37	0.011	19.20	0.008	21.03	0.007	22.87	0.006
17.40	0.011	19.23	0.008	21.07	0.007	22.90	0.006
17.43	0.011	19.27	0.008	21.10	0.007	22.93	0.006
17.47	0.011	19.30	0.008	21.13	0.007	22.97	0.006
17.50	0.011	19.33	0.008	21.17	0.007	23.00	0.006
17.53	0.011	19.37	0.008	21.20	0.007	23.03	0.006
17.57	0.011	19.40	0.008	21.23	0.007	23.07	0.006
17.60	0.011	19.43	0.008	21.27	0.007	23.10	0.006
17.63	0.011	19.47	0.008	21.30	0.007	23.13	0.006
17.67	0.011	19.50	0.008	21.33	0.007	23.17	0.006
17.70	0.010	19.53	0.008	21.37	0.007	23.20	0.006
17.73	0.010	19.57	0.008	21.40	0.007	23.23	0.006
17.77	0.010	19.60	0.008	21.43	0.007	23.27	0.006
17.80	0.010	19.63	0.008	21.47	0.007	23.30	0.006
17.83	0.010	19.67	0.008	21.50	0.007	23.33	0.006
17.87	0.010	19.70	0.008	21.53	0.007	23.37	0.006
17.90	0.010	19.73	0.008	21.57	0.007	23.40	0.006
17.93	0.010	19.77	0.008	21.60	0.007	23.43	0.006
17.97	0.010	19.80	0.008	21.63	0.007	23.47	0.006
18.00	0.010	19.83	0.008	21.67	0.007	23.50	0.006
18.03	0.010	19.87	0.008	21.70	0.007	23.53	0.006
18.07	0.010	19.90	0.008	21.73	0.007	23.57	0.006
18.10	0.009	19.93	0.008	21.77	0.007	23.60	0.006
18.13	0.009	19.97	0.008	21.80	0.006	23.63	0.006
18.17	0.009	20.00	0.008	21.83	0.006	23.67	0.006
18.20	0.009	20.03	0.008	21.87	0.006	23.70	0.006
18.23	0.009	20.07	0.008	21.90	0.006	23.73	0.006
18.27	0.009	20.10	0.008	21.93	0.006	23.77	0.006
18.30	0.009	20.13	0.008	21.97	0.006	23.80	0.006
18.33	0.009	20.17	0.008	22.00	0.006	23.83	0.006
18.37	0.009	20.20	0.008	22.03	0.006	23.87	0.006
18.40	0.009	20.23	0.008	22.07	0.007	23.90	0.006
18.43	0.009	20.27	0.008	22.10	0.007	23.93	0.006
18.47	0.009	20.30	0.008	22.13	0.007	23.97	0.006
18.50	0.009	20.33	0.008	22.17	0.007	24.00	0.006
18.53	0.009	20.37	0.008	22.20	0.007	24.03	0.005
18.57	0.009	20.40	0.008	22.23	0.007	24.07	0.005
18.60	0.009	20.43	0.008	22.27	0.007	24.10	0.005
18.63	0.009	20.47	0.007	22.30	0.007	24.13	0.005
18.67	0.009	20.50	0.007	22.33	0.007	24.17	0.004
18.70	0.009	20.53	0.007	22.37	0.007	24.20	0.004
18.73	0.009	20.57	0.007	22.40	0.007	24.23	0.004
18.77	0.009	20.60	0.007	22.43	0.007	24.27	0.003
18.80	0.009	20.63	0.007	22.47	0.007	24.30	0.003
18.83	0.009	20.67	0.007	22.50	0.007	24.33	0.003
18.87	0.009	20.70	0.007	22.53	0.007	24.37	0.002
18.90	0.009	20.73	0.007	22.57	0.007	24.40	0.002
18.93	0.009	20.77	0.007	22.60	0.007	24.43	0.002

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AREA #7

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
24.47	0.001
24.50	0.001
24.53	0.001
24.57	0.001
24.60	0.001

...End

TR55 Tc Worksheet

Hyd. No. 3

AREA #7

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.400		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.30		0.00		0.00		
Land slope (%)	= 4.50		0.00		0.00		
Travel Time (min)	**= 15.29**	**+**	**0.00**	**+**	**0.00**	**=**	**15.29**
Shallow Concentrated Flow							
Flow length (ft)	= 30.00		220.00		0.00		
Watercourse slope (%)	= 10.00		0.60		0.00		
Surface description	= Unpaved		Paved		Paved		
Average velocity (ft/s)	= 5.10		1.57		0.00		
Travel Time (min)	**= 0.10**	**+**	**2.33**	**+**	**0.00**	**=**	**2.43**
Channel Flow							
X sectional flow area (sqft)	= 0.00		0.00		0.00		
Wetted perimeter (ft)	= 0.00		0.00		0.00		
Channel slope (%)	= 0.00		0.00		0.00		
Manning's n-value	= 0.015		0.015		0.015		
Velocity (ft/s)	= 0.00		0.00		0.00		
Flow length (ft)	= 0.0		0.0		0.0		
Travel Time (min)	**= 0.00**	**+**	**0.00**	**+**	**0.00**	**=**	**0.00**

Total Travel Time, Tc ..... 17.70 min

Hydrograph Report

Hyd. No. 4

AREA #8

Hydrograph type	= SCS Runoff	Peak discharge	= 0.060 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.53 hrs
Time interval	= 2 min	Hyd. volume	= 643 cuft
Drainage area	= 0.620 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 15.9 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.164 x 55) + (0.451 x 55)] / 0.620

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
12.03	0.001	13.30	0.029	14.57	0.021	15.83	0.016
12.07	0.003	13.33	0.028	14.60	0.021	15.87	0.016
12.10	0.006	13.37	0.028	14.63	0.021	15.90	0.016
12.13	0.011	13.40	0.027	14.67	0.021	15.93	0.016
12.17	0.016	13.43	0.027	14.70	0.021	15.97	0.015
12.20	0.023	13.47	0.027	14.73	0.021	16.00	0.015
12.23	0.029	13.50	0.027	14.77	0.021	16.03	0.015
12.27	0.034	13.53	0.026	14.80	0.020	16.07	0.015
12.30	0.040	13.57	0.026	14.83	0.020	16.10	0.015
12.33	0.045	13.60	0.026	14.87	0.020	16.13	0.015
12.37	0.049	13.63	0.026	14.90	0.020	16.17	0.015
12.40	0.053	13.67	0.026	14.93	0.020	16.20	0.014
12.43	0.056	13.70	0.026	14.97	0.020	16.23	0.014
12.47	0.058	13.73	0.025	15.00	0.020	16.27	0.014
12.50	0.060	13.77	0.025	15.03	0.020	16.30	0.014
12.53	0.060 <<	13.80	0.025	15.07	0.019	16.33	0.014
12.57	0.060	13.83	0.025	15.10	0.019	16.37	0.014
12.60	0.059	13.87	0.025	15.13	0.019	16.40	0.014
12.63	0.058	13.90	0.025	15.17	0.019	16.43	0.014
12.67	0.056	13.93	0.024	15.20	0.019	16.47	0.014
12.70	0.054	13.97	0.024	15.23	0.019	16.50	0.013
12.73	0.052	14.00	0.024	15.27	0.019	16.53	0.013
12.77	0.050	14.03	0.024	15.30	0.019	16.57	0.013
12.80	0.047	14.07	0.023	15.33	0.018	16.60	0.013
12.83	0.045	14.10	0.023	15.37	0.018	16.63	0.013
12.87	0.043	14.13	0.023	15.40	0.018	16.67	0.013
12.90	0.041	14.17	0.023	15.43	0.018	16.70	0.013
12.93	0.039	14.20	0.023	15.47	0.018	16.73	0.013
12.97	0.037	14.23	0.022	15.50	0.018	16.77	0.013
13.00	0.036	14.27	0.022	15.53	0.018	16.80	0.013
13.03	0.034	14.30	0.022	15.57	0.017	16.83	0.013
13.07	0.033	14.33	0.022	15.60	0.017	16.87	0.013
13.10	0.032	14.37	0.022	15.63	0.017	16.90	0.013
13.13	0.031	14.40	0.022	15.67	0.017	16.93	0.012
13.17	0.030	14.43	0.022	15.70	0.017	16.97	0.012
13.20	0.030	14.47	0.021	15.73	0.017	17.00	0.012
13.23	0.029	14.50	0.021	15.77	0.016	17.03	0.012
13.27	0.029	14.53	0.021	15.80	0.016	17.07	0.012

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AREA #8

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
17.10	0.012	18.93	0.009	20.77	0.008	22.60	0.007
17.13	0.012	18.97	0.009	20.80	0.007	22.63	0.007
17.17	0.012	19.00	0.009	20.83	0.007	22.67	0.007
17.20	0.012	19.03	0.009	20.87	0.007	22.70	0.007
17.23	0.012	19.07	0.009	20.90	0.007	22.73	0.007
17.27	0.012	19.10	0.009	20.93	0.007	22.77	0.006
17.30	0.012	19.13	0.009	20.97	0.007	22.80	0.006
17.33	0.012	19.17	0.009	21.00	0.007	22.83	0.006
17.37	0.012	19.20	0.009	21.03	0.007	22.87	0.006
17.40	0.011	19.23	0.009	21.07	0.007	22.90	0.006
17.43	0.011	19.27	0.009	21.10	0.007	22.93	0.006
17.47	0.011	19.30	0.009	21.13	0.007	22.97	0.006
17.50	0.011	19.33	0.009	21.17	0.007	23.00	0.006
17.53	0.011	19.37	0.009	21.20	0.007	23.03	0.006
17.57	0.011	19.40	0.009	21.23	0.007	23.07	0.006
17.60	0.011	19.43	0.008	21.27	0.007	23.10	0.006
17.63	0.011	19.47	0.008	21.30	0.007	23.13	0.006
17.67	0.011	19.50	0.008	21.33	0.007	23.17	0.006
17.70	0.011	19.53	0.008	21.37	0.007	23.20	0.006
17.73	0.011	19.57	0.008	21.40	0.007	23.23	0.006
17.77	0.011	19.60	0.008	21.43	0.007	23.27	0.006
17.80	0.010	19.63	0.008	21.47	0.007	23.30	0.006
17.83	0.010	19.67	0.008	21.50	0.007	23.33	0.006
17.87	0.010	19.70	0.008	21.53	0.007	23.37	0.006
17.90	0.010	19.73	0.008	21.57	0.007	23.40	0.006
17.93	0.010	19.77	0.008	21.60	0.007	23.43	0.006
17.97	0.010	19.80	0.008	21.63	0.007	23.47	0.006
18.00	0.010	19.83	0.008	21.67	0.007	23.50	0.006
18.03	0.010	19.87	0.008	21.70	0.007	23.53	0.006
18.07	0.010	19.90	0.008	21.73	0.007	23.57	0.006
18.10	0.010	19.93	0.008	21.77	0.007	23.60	0.006
18.13	0.010	19.97	0.008	21.80	0.007	23.63	0.006
18.17	0.010	20.00	0.008	21.83	0.007	23.67	0.006
18.20	0.010	20.03	0.008	21.87	0.007	23.70	0.006
18.23	0.009	20.07	0.008	21.90	0.007	23.73	0.006
18.27	0.009	20.10	0.008	21.93	0.007	23.77	0.006
18.30	0.009	20.13	0.008	21.97	0.007	23.80	0.006
18.33	0.009	20.17	0.008	22.00	0.007	23.83	0.006
18.37	0.009	20.20	0.008	22.03	0.007	23.87	0.006
18.40	0.009	20.23	0.008	22.07	0.007	23.90	0.006
18.43	0.009	20.27	0.008	22.10	0.007	23.93	0.006
18.47	0.009	20.30	0.008	22.13	0.007	23.97	0.006
18.50	0.009	20.33	0.008	22.17	0.008	24.00	0.006
18.53	0.009	20.37	0.008	22.20	0.008	24.03	0.006
18.57	0.009	20.40	0.008	22.23	0.008	24.07	0.005
18.60	0.009	20.43	0.008	22.27	0.008	24.10	0.005
18.63	0.009	20.47	0.008	22.30	0.008	24.13	0.005
18.67	0.009	20.50	0.008	22.33	0.007	24.17	0.004
18.70	0.009	20.53	0.008	22.37	0.007	24.20	0.004
18.73	0.009	20.57	0.008	22.40	0.007	24.23	0.003
18.77	0.009	20.60	0.008	22.43	0.007	24.27	0.003
18.80	0.009	20.63	0.008	22.47	0.007	24.30	0.002
18.83	0.009	20.67	0.008	22.50	0.007	24.33	0.002
18.87	0.009	20.70	0.008	22.53	0.007	24.37	0.002
18.90	0.009	20.73	0.008	22.57	0.007	24.40	0.001

Continues on next page...

AREA #8

Hydrograph Discharge Table

Time -- Outflow (hrs cfs)	
24.43	0.001
24.47	0.001
24.50	0.001

...End

TR55 Tc Worksheet

Hyd. No. 4

AREA #8

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.400		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.30		0.00		0.00		
Land slope (%)	= 6.00		0.00		0.00		
Travel Time (min)	**= 13.63**	**+**	**0.00**	**+**	**0.00**	**=**	**13.63**
Shallow Concentrated Flow							
Flow length (ft)	= 275.00		0.00		0.00		
Watercourse slope (%)	= 0.97		0.00		0.00		
Surface description	= Paved		Unpaved		Paved		
Average velocity (ft/s)	= 2.00		0.00		0.00		
Travel Time (min)	**= 2.29**	**+**	**0.00**	**+**	**0.00**	**=**	**2.29**
Channel Flow							
X sectional flow area (sqft)	= 0.00		0.00		0.00		
Wetted perimeter (ft)	= 0.00		0.00		0.00		
Channel slope (%)	= 0.00		0.00		0.00		
Manning's n-value	= 0.015		0.015		0.015		
Velocity (ft/s)	= 0.00		0.00		0.00		
Flow length (ft)	= 0.0		0.0		0.0		
Travel Time (min)	**= 0.00**	**+**	**0.00**	**+**	**0.00**	**=**	**0.00**

Total Travel Time, Tc ..... 15.90 min

Hydrograph Report

Hyd. No. 5

TOTAL EX. BYPASS FLOW

Hydrograph type	= Combine	Peak discharge	= 3.509 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.53 hrs
Time interval	= 2 min	Hyd. volume	= 35,559 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 19.080 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
11.43	0.000	0.036	0.000	0.000	0.036
11.47	0.000	0.039	0.000	0.000	0.039
11.50	0.000	0.042	0.000	0.000	0.042
11.53	0.000	0.045	0.000	0.000	0.045
11.57	0.000	0.050	0.000	0.000	0.050
11.60	0.000	0.056	0.000	0.000	0.056
11.63	0.000	0.064	0.000	0.000	0.064
11.67	0.000	0.074	0.000	0.000	0.074
11.70	0.000	0.087	0.000	0.000	0.087
11.73	0.000	0.103	0.000	0.000	0.103
11.77	0.000	0.122	0.000	0.000	0.122
11.80	0.000	0.145	0.000	0.000	0.145
11.83	0.000	0.171	0.000	0.000	0.171
11.87	0.001	0.201	0.000	0.000	0.202
11.90	0.005	0.235	0.000	0.000	0.239
11.93	0.015	0.277	0.000	0.000	0.292
11.97	0.041	0.336	0.000	0.000	0.377
12.00	0.097	0.422	0.000	0.000	0.519
12.03	0.193	0.538	0.000	0.001	0.732
12.07	0.327	0.667	0.002	0.003	0.999
12.10	0.491	0.787	0.004	0.006	1.288
12.13	0.680	0.874	0.007	0.011	1.572
12.17	0.893	0.923	0.011	0.016	1.844
12.20	1.127	0.944	0.016	0.023	2.109
12.23	1.375	0.949 <<	0.021	0.029	2.373
12.27	1.626	0.943	0.026	0.034	2.630
12.30	1.860	0.929	0.031	0.040	2.859
12.33	2.062	0.905	0.036	0.045	3.048
12.37	2.235	0.873	0.040	0.049	3.197
12.40	2.385	0.832	0.044	0.053	3.314
12.43	2.518	0.783	0.047	0.056	3.405
12.47	2.632	0.728	0.050	0.058	3.467
12.50	2.725	0.666	0.051	0.060	3.501
12.53	2.797	0.600	0.053	0.060 <<	3.509 <<
12.57	2.849	0.535	0.053	0.060	3.497
12.60	2.882	0.478	0.054 <<	0.059	3.472
12.63	2.899	0.430	0.053	0.058	3.440
12.67	2.901 <<	0.391	0.053	0.056	3.401
12.70	2.890	0.358	0.052	0.054	3.354
12.73	2.869	0.328	0.051	0.052	3.300
12.77	2.840	0.303	0.050	0.050	3.242
12.80	2.805	0.281	0.048	0.047	3.182
12.83	2.766	0.262	0.047	0.045	3.120
12.87	2.723	0.246	0.045	0.043	3.057

Continues on next page...

TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
12.90	2.676	0.233	0.043	0.041	2.993
12.93	2.624	0.222	0.042	0.039	2.926
12.97	2.568	0.213	0.040	0.037	2.857
13.00	2.507	0.205	0.038	0.036	2.786
13.03	2.443	0.198	0.036	0.034	2.712
13.07	2.375	0.192	0.035	0.033	2.635
13.10	2.302	0.186	0.034	0.032	2.555
13.13	2.227	0.181	0.032	0.031	2.472
13.17	2.148	0.177	0.031	0.030	2.386
13.20	2.066	0.173	0.030	0.030	2.299
13.23	1.981	0.169	0.030	0.029	2.209
13.27	1.895	0.166	0.029	0.029	2.118
13.30	1.808	0.163	0.028	0.029	2.028
13.33	1.724	0.160	0.028	0.028	1.940
13.37	1.646	0.157	0.028	0.028	1.858
13.40	1.577	0.155	0.027	0.027	1.786
13.43	1.516	0.153	0.027	0.027	1.723
13.47	1.461	0.152	0.027	0.027	1.666
13.50	1.412	0.150	0.026	0.027	1.615
13.53	1.367	0.148	0.026	0.026	1.568
13.57	1.327	0.147	0.026	0.026	1.526
13.60	1.292	0.145	0.026	0.026	1.489
13.63	1.260	0.144	0.025	0.026	1.455
13.67	1.233	0.142	0.025	0.026	1.426
13.70	1.209	0.141	0.025	0.026	1.400
13.73	1.188	0.139	0.025	0.025	1.377
13.77	1.169	0.138	0.025	0.025	1.357
13.80	1.153	0.136	0.024	0.025	1.338
13.83	1.137	0.134	0.024	0.025	1.321
13.87	1.123	0.133	0.024	0.025	1.305
13.90	1.109	0.131	0.024	0.025	1.289
13.93	1.096	0.129	0.024	0.024	1.274
13.97	1.083	0.128	0.024	0.024	1.259
14.00	1.071	0.126	0.023	0.024	1.244
14.03	1.058	0.125	0.023	0.024	1.230
14.07	1.047	0.123	0.023	0.023	1.216
14.10	1.035	0.121	0.023	0.023	1.203
14.13	1.024	0.120	0.023	0.023	1.190
14.17	1.014	0.119	0.022	0.023	1.177
14.20	1.003	0.117	0.022	0.023	1.165
14.23	0.993	0.116	0.022	0.022	1.154
14.27	0.984	0.115	0.022	0.022	1.143
14.30	0.975	0.114	0.022	0.022	1.132
14.33	0.966	0.113	0.021	0.022	1.122
14.37	0.957	0.112	0.021	0.022	1.112
14.40	0.949	0.111	0.021	0.022	1.102
14.43	0.940	0.110	0.021	0.022	1.093
14.47	0.932	0.109	0.021	0.021	1.084
14.50	0.924	0.109	0.021	0.021	1.075
14.53	0.917	0.108	0.021	0.021	1.066
14.57	0.909	0.107	0.021	0.021	1.058
14.60	0.902	0.106	0.020	0.021	1.050
14.63	0.895	0.105	0.020	0.021	1.041
14.67	0.888	0.105	0.020	0.021	1.033
14.70	0.881	0.104	0.020	0.021	1.026
14.73	0.874	0.103	0.020	0.021	1.018

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
14.77	0.868	0.102	0.020	0.021	1.010
14.80	0.861	0.101	0.020	0.020	1.003
14.83	0.855	0.101	0.020	0.020	0.995
14.87	0.849	0.100	0.020	0.020	0.988
14.90	0.843	0.099	0.019	0.020	0.981
14.93	0.836	0.098	0.019	0.020	0.974
14.97	0.831	0.097	0.019	0.020	0.967
15.00	0.825	0.097	0.019	0.020	0.960
15.03	0.819	0.096	0.019	0.020	0.953
15.07	0.813	0.095	0.019	0.019	0.946
15.10	0.807	0.094	0.019	0.019	0.939
15.13	0.802	0.093	0.019	0.019	0.933
15.17	0.796	0.092	0.019	0.019	0.926
15.20	0.790	0.092	0.018	0.019	0.919
15.23	0.785	0.091	0.018	0.019	0.912
15.27	0.779	0.090	0.018	0.019	0.906
15.30	0.773	0.089	0.018	0.019	0.899
15.33	0.767	0.088	0.018	0.018	0.892
15.37	0.762	0.087	0.018	0.018	0.885
15.40	0.756	0.086	0.018	0.018	0.878
15.43	0.750	0.086	0.018	0.018	0.871
15.47	0.744	0.085	0.017	0.018	0.864
15.50	0.738	0.084	0.017	0.018	0.857
15.53	0.732	0.083	0.017	0.018	0.850
15.57	0.726	0.082	0.017	0.017	0.842
15.60	0.720	0.081	0.017	0.017	0.835
15.63	0.714	0.080	0.017	0.017	0.828
15.67	0.707	0.079	0.017	0.017	0.820
15.70	0.701	0.079	0.016	0.017	0.813
15.73	0.695	0.078	0.016	0.017	0.805
15.77	0.689	0.077	0.016	0.016	0.798
15.80	0.682	0.076	0.016	0.016	0.790
15.83	0.676	0.075	0.016	0.016	0.783
15.87	0.669	0.074	0.016	0.016	0.775
15.90	0.663	0.073	0.015	0.016	0.767
15.93	0.656	0.072	0.015	0.016	0.760
15.97	0.650	0.072	0.015	0.015	0.752
16.00	0.643	0.071	0.015	0.015	0.744
16.03	0.636	0.070	0.015	0.015	0.736
16.07	0.630	0.069	0.015	0.015	0.728
16.10	0.623	0.068	0.015	0.015	0.721
16.13	0.617	0.067	0.014	0.015	0.713
16.17	0.610	0.066	0.014	0.015	0.705
16.20	0.604	0.066	0.014	0.014	0.698
16.23	0.597	0.065	0.014	0.014	0.691
16.27	0.591	0.065	0.014	0.014	0.684
16.30	0.585	0.064	0.014	0.014	0.677
16.33	0.580	0.064	0.014	0.014	0.671
16.37	0.574	0.063	0.013	0.014	0.664
16.40	0.569	0.063	0.013	0.014	0.658
16.43	0.563	0.062	0.013	0.014	0.652
16.47	0.558	0.062	0.013	0.014	0.647
16.50	0.553	0.061	0.013	0.013	0.641
16.53	0.549	0.061	0.013	0.013	0.636
16.57	0.544	0.061	0.013	0.013	0.631
16.60	0.539	0.060	0.013	0.013	0.626

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
16.63	0.535	0.060	0.013	0.013	0.621
16.67	0.531	0.059	0.013	0.013	0.616
16.70	0.527	0.059	0.013	0.013	0.611
16.73	0.523	0.059	0.013	0.013	0.607
16.77	0.519	0.058	0.012	0.013	0.602
16.80	0.515	0.058	0.012	0.013	0.598
16.83	0.511	0.058	0.012	0.013	0.594
16.87	0.508	0.057	0.012	0.013	0.590
16.90	0.504	0.057	0.012	0.013	0.586
16.93	0.501	0.056	0.012	0.012	0.582
16.97	0.497	0.056	0.012	0.012	0.578
17.00	0.494	0.056	0.012	0.012	0.574
17.03	0.491	0.055	0.012	0.012	0.570
17.07	0.487	0.055	0.012	0.012	0.566
17.10	0.484	0.054	0.012	0.012	0.562
17.13	0.481	0.054	0.012	0.012	0.559
17.17	0.478	0.054	0.012	0.012	0.555
17.20	0.475	0.053	0.012	0.012	0.552
17.23	0.472	0.053	0.011	0.012	0.548
17.27	0.469	0.052	0.011	0.012	0.544
17.30	0.466	0.052	0.011	0.012	0.541
17.33	0.463	0.052	0.011	0.012	0.537
17.37	0.460	0.051	0.011	0.012	0.534
17.40	0.457	0.051	0.011	0.011	0.530
17.43	0.453	0.050	0.011	0.011	0.526
17.47	0.450	0.050	0.011	0.011	0.523
17.50	0.447	0.050	0.011	0.011	0.519
17.53	0.444	0.049	0.011	0.011	0.515
17.57	0.441	0.049	0.011	0.011	0.512
17.60	0.438	0.048	0.011	0.011	0.508
17.63	0.435	0.048	0.011	0.011	0.504
17.67	0.432	0.048	0.011	0.011	0.501
17.70	0.429	0.047	0.010	0.011	0.497
17.73	0.425	0.047	0.010	0.011	0.493
17.77	0.422	0.046	0.010	0.011	0.489
17.80	0.419	0.046	0.010	0.010	0.486
17.83	0.416	0.046	0.010	0.010	0.482
17.87	0.413	0.045	0.010	0.010	0.478
17.90	0.409	0.045	0.010	0.010	0.474
17.93	0.406	0.044	0.010	0.010	0.471
17.97	0.403	0.044	0.010	0.010	0.467
18.00	0.400	0.044	0.010	0.010	0.463
18.03	0.397	0.043	0.010	0.010	0.459
18.07	0.393	0.043	0.010	0.010	0.455
18.10	0.390	0.042	0.009	0.010	0.452
18.13	0.387	0.042	0.009	0.010	0.448
18.17	0.384	0.042	0.009	0.010	0.445
18.20	0.381	0.041	0.009	0.010	0.441
18.23	0.378	0.041	0.009	0.009	0.438
18.27	0.375	0.041	0.009	0.009	0.434
18.30	0.372	0.041	0.009	0.009	0.431
18.33	0.370	0.041	0.009	0.009	0.429
18.37	0.367	0.040	0.009	0.009	0.426
18.40	0.365	0.040	0.009	0.009	0.423
18.43	0.362	0.040	0.009	0.009	0.421
18.47	0.360	0.040	0.009	0.009	0.418

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
18.50	0.358	0.040	0.009	0.009	0.416
18.53	0.356	0.040	0.009	0.009	0.414
18.57	0.354	0.040	0.009	0.009	0.411
18.60	0.352	0.039	0.009	0.009	0.409
18.63	0.350	0.039	0.009	0.009	0.407
18.67	0.349	0.039	0.009	0.009	0.406
18.70	0.347	0.039	0.009	0.009	0.404
18.73	0.346	0.039	0.009	0.009	0.402
18.77	0.344	0.039	0.009	0.009	0.401
18.80	0.343	0.039	0.009	0.009	0.399
18.83	0.341	0.039	0.009	0.009	0.397
18.87	0.340	0.039	0.009	0.009	0.396
18.90	0.339	0.038	0.009	0.009	0.395
18.93	0.338	0.038	0.009	0.009	0.393
18.97	0.336	0.038	0.008	0.009	0.392
19.00	0.335	0.038	0.008	0.009	0.391
19.03	0.334	0.038	0.008	0.009	0.389
19.07	0.333	0.038	0.008	0.009	0.388
19.10	0.332	0.038	0.008	0.009	0.387
19.13	0.331	0.038	0.008	0.009	0.386
19.17	0.330	0.038	0.008	0.009	0.385
19.20	0.329	0.037	0.008	0.009	0.384
19.23	0.328	0.037	0.008	0.009	0.383
19.27	0.327	0.037	0.008	0.009	0.382
19.30	0.327	0.037	0.008	0.009	0.380
19.33	0.326	0.037	0.008	0.009	0.379
19.37	0.325	0.037	0.008	0.009	0.378
19.40	0.324	0.037	0.008	0.009	0.377
19.43	0.323	0.037	0.008	0.008	0.376
19.47	0.322	0.036	0.008	0.008	0.375
19.50	0.321	0.036	0.008	0.008	0.374
19.53	0.320	0.036	0.008	0.008	0.373
19.57	0.319	0.036	0.008	0.008	0.372
19.60	0.318	0.036	0.008	0.008	0.371
19.63	0.317	0.036	0.008	0.008	0.370
19.67	0.317	0.036	0.008	0.008	0.369
19.70	0.316	0.036	0.008	0.008	0.368
19.73	0.315	0.035	0.008	0.008	0.366
19.77	0.314	0.035	0.008	0.008	0.365
19.80	0.313	0.035	0.008	0.008	0.364
19.83	0.312	0.035	0.008	0.008	0.363
19.87	0.311	0.035	0.008	0.008	0.362
19.90	0.310	0.035	0.008	0.008	0.361
19.93	0.309	0.035	0.008	0.008	0.360
19.97	0.308	0.035	0.008	0.008	0.359
20.00	0.307	0.035	0.008	0.008	0.358
20.03	0.306	0.034	0.008	0.008	0.357
20.07	0.305	0.034	0.008	0.008	0.355
20.10	0.304	0.034	0.008	0.008	0.354
20.13	0.303	0.034	0.008	0.008	0.353
20.17	0.302	0.034	0.008	0.008	0.352
20.20	0.302	0.034	0.008	0.008	0.351
20.23	0.301	0.034	0.008	0.008	0.350
20.27	0.300	0.034	0.008	0.008	0.349
20.30	0.299	0.033	0.008	0.008	0.348
20.33	0.298	0.033	0.008	0.008	0.346

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
20.37	0.297	0.033	0.008	0.008	0.345
20.40	0.296	0.033	0.008	0.008	0.344
20.43	0.295	0.033	0.008	0.008	0.343
20.47	0.294	0.033	0.007	0.008	0.342
20.50	0.293	0.033	0.007	0.008	0.341
20.53	0.292	0.033	0.007	0.008	0.340
20.57	0.291	0.032	0.007	0.008	0.338
20.60	0.290	0.032	0.007	0.008	0.337
20.63	0.289	0.032	0.007	0.008	0.336
20.67	0.288	0.032	0.007	0.008	0.335
20.70	0.287	0.032	0.007	0.008	0.334
20.73	0.286	0.032	0.007	0.008	0.333
20.77	0.285	0.032	0.007	0.008	0.332
20.80	0.284	0.032	0.007	0.007	0.330
20.83	0.283	0.031	0.007	0.007	0.329
20.87	0.282	0.031	0.007	0.007	0.328
20.90	0.281	0.031	0.007	0.007	0.327
20.93	0.280	0.031	0.007	0.007	0.326
20.97	0.279	0.031	0.007	0.007	0.325
21.00	0.278	0.031	0.007	0.007	0.323
21.03	0.277	0.031	0.007	0.007	0.322
21.07	0.276	0.031	0.007	0.007	0.321
21.10	0.275	0.031	0.007	0.007	0.320
21.13	0.274	0.030	0.007	0.007	0.319
21.17	0.273	0.030	0.007	0.007	0.318
21.20	0.272	0.030	0.007	0.007	0.316
21.23	0.271	0.030	0.007	0.007	0.315
21.27	0.270	0.030	0.007	0.007	0.314
21.30	0.269	0.030	0.007	0.007	0.313
21.33	0.268	0.030	0.007	0.007	0.312
21.37	0.267	0.030	0.007	0.007	0.310
21.40	0.266	0.029	0.007	0.007	0.309
21.43	0.265	0.029	0.007	0.007	0.308
21.47	0.264	0.029	0.007	0.007	0.307
21.50	0.263	0.029	0.007	0.007	0.306
21.53	0.262	0.029	0.007	0.007	0.304
21.57	0.261	0.029	0.007	0.007	0.303
21.60	0.260	0.029	0.007	0.007	0.302
21.63	0.259	0.029	0.007	0.007	0.301
21.67	0.258	0.028	0.007	0.007	0.300
21.70	0.257	0.028	0.007	0.007	0.298
21.73	0.256	0.028	0.007	0.007	0.297
21.77	0.255	0.028	0.007	0.007	0.296
21.80	0.254	0.028	0.006	0.007	0.295
21.83	0.253	0.028	0.006	0.007	0.294
21.87	0.252	0.028	0.006	0.007	0.292
21.90	0.251	0.028	0.006	0.007	0.291
21.93	0.250	0.027	0.006	0.007	0.290
21.97	0.249	0.027	0.006	0.007	0.289
22.00	0.247	0.027	0.006	0.007	0.287
22.03	0.249	0.029	0.006	0.007	0.291
22.07	0.251	0.030	0.007	0.007	0.295
22.10	0.253	0.032	0.007	0.007	0.299
22.13	0.256	0.034	0.007	0.007	0.304
22.17	0.258	0.033	0.007	0.008	0.306
22.20	0.260	0.033	0.007	0.008	0.308

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
22.23	0.263	0.033	0.007	0.008	0.310
22.27	0.265	0.032	0.007	0.008	0.312
22.30	0.268	0.032	0.007	0.008	0.314
22.33	0.267	0.031	0.007	0.007	0.313
22.37	0.266	0.031	0.007	0.007	0.311
22.40	0.265	0.030	0.007	0.007	0.310
22.43	0.264	0.030	0.007	0.007	0.308
22.47	0.263	0.029	0.007	0.007	0.307
22.50	0.262	0.029	0.007	0.007	0.305
22.53	0.261	0.028	0.007	0.007	0.303
22.57	0.260	0.028	0.007	0.007	0.301
22.60	0.259	0.027	0.007	0.007	0.300
22.63	0.258	0.027	0.007	0.007	0.298
22.67	0.257	0.027	0.007	0.007	0.297
22.70	0.256	0.027	0.007	0.007	0.296
22.73	0.254	0.027	0.007	0.007	0.294
22.77	0.253	0.027	0.006	0.006	0.293
22.80	0.252	0.027	0.006	0.006	0.292
22.83	0.251	0.027	0.006	0.006	0.290
22.87	0.250	0.026	0.006	0.006	0.289
22.90	0.248	0.026	0.006	0.006	0.287
22.93	0.247	0.026	0.006	0.006	0.286
22.97	0.246	0.026	0.006	0.006	0.285
23.00	0.245	0.026	0.006	0.006	0.283
23.03	0.243	0.026	0.006	0.006	0.282
23.07	0.242	0.026	0.006	0.006	0.280
23.10	0.241	0.026	0.006	0.006	0.279
23.13	0.239	0.026	0.006	0.006	0.277
23.17	0.238	0.026	0.006	0.006	0.276
23.20	0.236	0.026	0.006	0.006	0.274
23.23	0.235	0.025	0.006	0.006	0.272
23.27	0.233	0.025	0.006	0.006	0.271
23.30	0.232	0.025	0.006	0.006	0.269
23.33	0.230	0.025	0.006	0.006	0.267
23.37	0.229	0.025	0.006	0.006	0.266
23.40	0.228	0.025	0.006	0.006	0.265
23.43	0.227	0.025	0.006	0.006	0.264
23.47	0.226	0.025	0.006	0.006	0.263
23.50	0.225	0.025	0.006	0.006	0.262
23.53	0.225	0.025	0.006	0.006	0.261
23.57	0.224	0.024	0.006	0.006	0.260
23.60	0.223	0.024	0.006	0.006	0.259
23.63	0.222	0.024	0.006	0.006	0.258
23.67	0.221	0.024	0.006	0.006	0.257
23.70	0.221	0.024	0.006	0.006	0.256
23.73	0.220	0.024	0.006	0.006	0.255
23.77	0.219	0.024	0.006	0.006	0.254
23.80	0.218	0.024	0.006	0.006	0.254
23.83	0.217	0.024	0.006	0.006	0.253
23.87	0.217	0.024	0.006	0.006	0.252
23.90	0.216	0.024	0.006	0.006	0.251
23.93	0.215	0.023	0.006	0.006	0.250
23.97	0.214	0.023	0.006	0.006	0.249
24.00	0.213	0.023	0.006	0.006	0.248
24.03	0.212	0.023	0.005	0.006	0.245
24.07	0.209	0.021	0.005	0.005	0.240

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
24.10	0.204	0.019	0.005	0.005	0.234
24.13	0.199	0.017	0.005	0.005	0.225
24.17	0.193	0.014	0.004	0.004	0.216
24.20	0.186	0.012	0.004	0.004	0.206
24.23	0.178	0.010	0.004	0.003	0.195
24.27	0.168	0.008	0.003	0.003	0.183
24.30	0.158	0.007	0.003	0.002	0.170
24.33	0.148	0.005	0.003	0.002	0.158
24.37	0.138	0.004	0.002	0.002	0.146
24.40	0.129	0.003	0.002	0.001	0.135
24.43	0.120	0.002	0.002	0.001	0.124
24.47	0.111	0.001	0.001	0.001	0.115
24.50	0.103	0.001	0.001	0.001	0.105
24.53	0.095	0.000	0.001	0.001	0.096
24.57	0.087	0.000	0.001	0.000	0.088
24.60	0.080	0.000	0.001	0.000	0.081
24.63	0.073	0.000	0.001	0.000	0.073
24.67	0.066	0.000	0.000	0.000	0.066
24.70	0.060	0.000	0.000	0.000	0.060
24.73	0.054	0.000	0.000	0.000	0.054
24.77	0.048	0.000	0.000	0.000	0.048
24.80	0.042	0.000	0.000	0.000	0.043
24.83	0.037	0.000	0.000	0.000	0.037

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Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	10.57	2	752	83,239	----	------	------	AREA #1
2	SCS Runoff	2.135	2	732	10,234	----	------	------	AREA #4
3	SCS Runoff	0.309	2	746	2,156	----	------	------	AREA #7
4	SCS Runoff	0.346	2	744	2,240	----	------	------	AREA #8
5	Combine	12.56	2	748	97,869	1, 2, 3, 4	------	------	TOTAL EX. BYPASS FLOW

Hydrograph Report

Hyd. No. 1

AREA #1

Hydrograph type	= SCS Runoff	Peak discharge	= 10.57 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.53 hrs
Time interval	= 2 min	Hyd. volume	= 29,520 cuft
Drainage area	= 16.650 ac	Curve number	= 61*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 27.6 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(3.690 x 70) + (10.440 x 55) + (2.467 x 70) + (0.036 x 98) + (0.012 x 55)] / 16.650

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.57	0.123	12.83	9.151	14.10	2.519	15.37	1.773
11.60	0.153	12.87	8.886	14.13	2.488	15.40	1.758
11.63	0.189	12.90	8.611	14.17	2.459	15.43	1.743
11.67	0.235	12.93	8.326	14.20	2.430	15.47	1.728
11.70	0.293	12.97	8.032	14.23	2.402	15.50	1.713
11.73	0.366	13.00	7.728	14.27	2.376	15.53	1.697
11.77	0.456	13.03	7.417	14.30	2.350	15.57	1.682
11.80	0.568	13.07	7.100	14.33	2.325	15.60	1.667
11.83	0.706	13.10	6.777	14.37	2.301	15.63	1.651
11.87	0.873	13.13	6.452	14.40	2.278	15.67	1.635
11.90	1.073	13.17	6.125	14.43	2.255	15.70	1.620
11.93	1.321	13.20	5.799	14.47	2.233	15.73	1.604
11.97	1.649	13.23	5.475	14.50	2.211	15.77	1.588
12.00	2.097	13.27	5.157	14.53	2.190	15.80	1.573
12.03	2.676	13.30	4.850	14.57	2.169	15.83	1.557
12.07	3.358	13.33	4.563	14.60	2.149	15.87	1.541
12.10	4.105	13.37	4.310	14.63	2.130	15.90	1.525
12.13	4.890	13.40	4.094	14.67	2.110	15.93	1.509
12.17	5.704	13.43	3.910	14.70	2.092	15.97	1.493
12.20	6.535	13.47	3.747	14.73	2.073	16.00	1.477
12.23	7.357	13.50	3.601	14.77	2.056	16.03	1.460
12.27	8.122	13.53	3.470	14.80	2.038	16.07	1.444
12.30	8.770	13.57	3.354	14.83	2.021	16.10	1.428
12.33	9.274	13.60	3.252	14.87	2.004	16.13	1.412
12.37	9.661	13.63	3.161	14.90	1.987	16.17	1.397
12.40	9.967	13.67	3.083	14.93	1.971	16.20	1.381
12.43	10.21	13.70	3.014	14.97	1.955	16.23	1.366
12.47	10.39	13.73	2.954	15.00	1.939	16.27	1.351
12.50	10.51	13.77	2.900	15.03	1.924	16.30	1.337
12.53	10.57 <<	13.80	2.853	15.07	1.908	16.33	1.323
12.57	10.56	13.83	2.809	15.10	1.893	16.37	1.309
12.60	10.51	13.87	2.768	15.13	1.878	16.40	1.296
12.63	10.41	13.90	2.729	15.17	1.863	16.43	1.284
12.67	10.26	13.93	2.691	15.20	1.848	16.47	1.271
12.70	10.08	13.97	2.654	15.23	1.833	16.50	1.259
12.73	9.876	14.00	2.619	15.27	1.818	16.53	1.248
12.77	9.648	14.03	2.584	15.30	1.803	16.57	1.237
12.80	9.405	14.07	2.551	15.33	1.788	16.60	1.226

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AREA #1

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
16.63	1.215	18.47	0.801	20.30	0.656	22.13	0.556
16.67	1.205	18.50	0.796	20.33	0.654	22.17	0.560
16.70	1.195	18.53	0.792	20.37	0.651	22.20	0.565
16.73	1.185	18.57	0.787	20.40	0.649	22.23	0.571
16.77	1.176	18.60	0.783	20.43	0.647	22.27	0.576
16.80	1.167	18.63	0.779	20.47	0.645	22.30	0.582
16.83	1.158	18.67	0.775	20.50	0.642	22.33	0.580
16.87	1.149	18.70	0.771	20.53	0.640	22.37	0.578
16.90	1.141	18.73	0.767	20.57	0.638	22.40	0.575
16.93	1.132	18.77	0.764	20.60	0.636	22.43	0.573
16.97	1.124	18.80	0.760	20.63	0.633	22.47	0.571
17.00	1.116	18.83	0.757	20.67	0.631	22.50	0.569
17.03	1.108	18.87	0.754	20.70	0.629	22.53	0.566
17.07	1.100	18.90	0.751	20.73	0.627	22.57	0.564
17.10	1.093	18.93	0.748	20.77	0.624	22.60	0.562
17.13	1.085	18.97	0.746	20.80	0.622	22.63	0.559
17.17	1.078	19.00	0.743	20.83	0.620	22.67	0.557
17.20	1.070	19.03	0.740	20.87	0.617	22.70	0.554
17.23	1.063	19.07	0.738	20.90	0.615	22.73	0.552
17.27	1.056	19.10	0.736	20.93	0.613	22.77	0.549
17.30	1.049	19.13	0.733	20.97	0.611	22.80	0.546
17.33	1.041	19.17	0.731	21.00	0.608	22.83	0.544
17.37	1.034	19.20	0.729	21.03	0.606	22.87	0.541
17.40	1.027	19.23	0.726	21.07	0.604	22.90	0.538
17.43	1.020	19.27	0.724	21.10	0.601	22.93	0.535
17.47	1.012	19.30	0.722	21.13	0.599	22.97	0.533
17.50	1.005	19.33	0.720	21.17	0.597	23.00	0.530
17.53	0.998	19.37	0.718	21.20	0.595	23.03	0.527
17.57	0.990	19.40	0.716	21.23	0.592	23.07	0.524
17.60	0.983	19.43	0.713	21.27	0.590	23.10	0.521
17.63	0.975	19.47	0.711	21.30	0.588	23.13	0.518
17.67	0.968	19.50	0.709	21.33	0.585	23.17	0.514
17.70	0.961	19.53	0.707	21.37	0.583	23.20	0.511
17.73	0.953	19.57	0.705	21.40	0.581	23.23	0.508
17.77	0.946	19.60	0.702	21.43	0.578	23.27	0.505
17.80	0.938	19.63	0.700	21.47	0.576	23.30	0.501
17.83	0.931	19.67	0.698	21.50	0.574	23.33	0.498
17.87	0.923	19.70	0.696	21.53	0.571	23.37	0.494
17.90	0.916	19.73	0.694	21.57	0.569	23.40	0.492
17.93	0.908	19.77	0.691	21.60	0.567	23.43	0.491
17.97	0.901	19.80	0.689	21.63	0.564	23.47	0.489
18.00	0.893	19.83	0.687	21.67	0.562	23.50	0.487
18.03	0.886	19.87	0.685	21.70	0.560	23.53	0.485
18.07	0.878	19.90	0.683	21.73	0.557	23.57	0.484
18.10	0.871	19.93	0.680	21.77	0.555	23.60	0.482
18.13	0.864	19.97	0.678	21.80	0.553	23.63	0.480
18.17	0.857	20.00	0.676	21.83	0.550	23.67	0.478
18.20	0.849	20.03	0.674	21.87	0.548	23.70	0.476
18.23	0.843	20.07	0.672	21.90	0.546	23.73	0.475
18.27	0.836	20.10	0.669	21.93	0.543	23.77	0.473
18.30	0.830	20.13	0.667	21.97	0.541	23.80	0.471
18.33	0.823	20.17	0.665	22.00	0.539	23.83	0.469
18.37	0.818	20.20	0.663	22.03	0.542	23.87	0.467
18.40	0.812	20.23	0.660	22.07	0.547	23.90	0.466
18.43	0.807	20.27	0.658	22.10	0.551	23.93	0.464

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AREA #1

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
23.97	0.462
24.00	0.460
24.03	0.456
24.07	0.450
24.10	0.441
24.13	0.430
24.17	0.416
24.20	0.401
24.23	0.383
24.27	0.363
24.30	0.340
24.33	0.319
24.37	0.298
24.40	0.277
24.43	0.258
24.47	0.239
24.50	0.221
24.53	0.204
24.57	0.187
24.60	0.171
24.63	0.156
24.67	0.142
24.70	0.128
24.73	0.115

...End

Hydrograph Report

Hyd. No. 2

AREA #4

Hydrograph type	= SCS Runoff	Peak discharge	= 2.135 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.20 hrs
Time interval	= 2 min	Hyd. volume	= 4,778 cuft
Drainage area	= 1.200 ac	Curve number	= 74*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 11.6 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.052 x 70) + (0.047 x 77) + (0.849 x 70) + (0.072 x 55) + (0.179 x 98)] / 1.200

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
9.83	0.022	11.10	0.100	12.37	1.869	13.63	0.276
9.87	0.023	11.13	0.103	12.40	1.764	13.67	0.272
9.90	0.024	11.17	0.108	12.43	1.646	13.70	0.269
9.93	0.025	11.20	0.112	12.47	1.515	13.73	0.266
9.97	0.026	11.23	0.118	12.50	1.374	13.77	0.263
10.00	0.028	11.27	0.123	12.53	1.228	13.80	0.260
10.03	0.029	11.30	0.129	12.57	1.087	13.83	0.256
10.07	0.030	11.33	0.136	12.60	0.964	13.87	0.253
10.10	0.032	11.37	0.143	12.63	0.863	13.90	0.250
10.13	0.033	11.40	0.150	12.67	0.782	13.93	0.247
10.17	0.035	11.43	0.158	12.70	0.713	13.97	0.243
10.20	0.036	11.47	0.166	12.73	0.652	14.00	0.240
10.23	0.038	11.50	0.174	12.77	0.600	14.03	0.237
10.27	0.039	11.53	0.184	12.80	0.555	14.07	0.234
10.30	0.041	11.57	0.196	12.83	0.516	14.10	0.231
10.33	0.043	11.60	0.212	12.87	0.484	14.13	0.228
10.37	0.045	11.63	0.235	12.90	0.457	14.17	0.225
10.40	0.047	11.67	0.264	12.93	0.434	14.20	0.222
10.43	0.049	11.70	0.300	12.97	0.415	14.23	0.220
10.47	0.051	11.73	0.344	13.00	0.400	14.27	0.218
10.50	0.053	11.77	0.395	13.03	0.386	14.30	0.216
10.53	0.055	11.80	0.453	13.07	0.374	14.33	0.214
10.57	0.057	11.83	0.519	13.10	0.362	14.37	0.212
10.60	0.059	11.87	0.592	13.13	0.352	14.40	0.210
10.63	0.062	11.90	0.673	13.17	0.343	14.43	0.208
10.67	0.064	11.93	0.770	13.20	0.335	14.47	0.207
10.70	0.066	11.97	0.904	13.23	0.327	14.50	0.205
10.73	0.069	12.00	1.097	13.27	0.320	14.53	0.203
10.77	0.071	12.03	1.349	13.30	0.314	14.57	0.202
10.80	0.074	12.07	1.623	13.33	0.309	14.60	0.200
10.83	0.076	12.10	1.868	13.37	0.304	14.63	0.199
10.87	0.079	12.13	2.035	13.40	0.299	14.67	0.197
10.90	0.082	12.17	2.117	13.43	0.295	14.70	0.195
10.93	0.084	12.20	2.135 <<	13.47	0.292	14.73	0.194
10.97	0.087	12.23	2.120	13.50	0.288	14.77	0.192
11.00	0.090	12.27	2.084	13.53	0.285	14.80	0.191
11.03	0.093	12.30	2.030	13.57	0.282	14.83	0.189
11.07	0.096	12.33	1.958	13.60	0.279	14.87	0.187

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
14.90	0.186	16.73	0.108	18.57	0.073	20.40	0.060
14.93	0.184	16.77	0.108	18.60	0.072	20.43	0.060
14.97	0.183	16.80	0.107	18.63	0.072	20.47	0.060
15.00	0.181	16.83	0.106	18.67	0.072	20.50	0.060
15.03	0.179	16.87	0.105	18.70	0.072	20.53	0.059
15.07	0.178	16.90	0.105	18.73	0.071	20.57	0.059
15.10	0.176	16.93	0.104	18.77	0.071	20.60	0.059
15.13	0.175	16.97	0.103	18.80	0.071	20.63	0.059
15.17	0.173	17.00	0.103	18.83	0.071	20.67	0.058
15.20	0.171	17.03	0.102	18.87	0.071	20.70	0.058
15.23	0.170	17.07	0.101	18.90	0.070	20.73	0.058
15.27	0.168	17.10	0.100	18.93	0.070	20.77	0.058
15.30	0.166	17.13	0.100	18.97	0.070	20.80	0.058
15.33	0.165	17.17	0.099	19.00	0.070	20.83	0.057
15.37	0.163	17.20	0.098	19.03	0.069	20.87	0.057
15.40	0.161	17.23	0.097	19.07	0.069	20.90	0.057
15.43	0.160	17.27	0.097	19.10	0.069	20.93	0.057
15.47	0.158	17.30	0.096	19.13	0.069	20.97	0.056
15.50	0.156	17.33	0.095	19.17	0.069	21.00	0.056
15.53	0.155	17.37	0.094	19.20	0.068	21.03	0.056
15.57	0.153	17.40	0.094	19.23	0.068	21.07	0.056
15.60	0.151	17.43	0.093	19.27	0.068	21.10	0.055
15.63	0.150	17.47	0.092	19.30	0.068	21.13	0.055
15.67	0.148	17.50	0.091	19.33	0.067	21.17	0.055
15.70	0.146	17.53	0.091	19.37	0.067	21.20	0.055
15.73	0.145	17.57	0.090	19.40	0.067	21.23	0.055
15.77	0.143	17.60	0.089	19.43	0.067	21.27	0.054
15.80	0.141	17.63	0.088	19.47	0.067	21.30	0.054
15.83	0.140	17.67	0.088	19.50	0.066	21.33	0.054
15.87	0.138	17.70	0.087	19.53	0.066	21.37	0.054
15.90	0.136	17.73	0.086	19.57	0.066	21.40	0.053
15.93	0.135	17.77	0.085	19.60	0.066	21.43	0.053
15.97	0.133	17.80	0.085	19.63	0.065	21.47	0.053
16.00	0.131	17.83	0.084	19.67	0.065	21.50	0.053
16.03	0.129	17.87	0.083	19.70	0.065	21.53	0.052
16.07	0.128	17.90	0.082	19.73	0.065	21.57	0.052
16.10	0.126	17.93	0.082	19.77	0.065	21.60	0.052
16.13	0.125	17.97	0.081	19.80	0.064	21.63	0.052
16.17	0.123	18.00	0.080	19.83	0.064	21.67	0.052
16.20	0.122	18.03	0.079	19.87	0.064	21.70	0.051
16.23	0.121	18.07	0.079	19.90	0.064	21.73	0.051
16.27	0.120	18.10	0.078	19.93	0.063	21.77	0.051
16.30	0.119	18.13	0.077	19.97	0.063	21.80	0.051
16.33	0.118	18.17	0.077	20.00	0.063	21.83	0.050
16.37	0.117	18.20	0.076	20.03	0.063	21.87	0.050
16.40	0.116	18.23	0.076	20.07	0.063	21.90	0.050
16.43	0.115	18.27	0.075	20.10	0.062	21.93	0.050
16.47	0.114	18.30	0.075	20.13	0.062	21.97	0.049
16.50	0.114	18.33	0.074	20.17	0.062	22.00	0.049
16.53	0.113	18.37	0.074	20.20	0.062	22.03	0.052
16.57	0.112	18.40	0.074	20.23	0.061	22.07	0.055
16.60	0.111	18.43	0.074	20.27	0.061	22.10	0.058
16.63	0.111	18.47	0.073	20.30	0.061	22.13	0.061
16.67	0.110	18.50	0.073	20.33	0.061	22.17	0.061
16.70	0.109	18.53	0.073	20.37	0.060	22.20	0.060

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
22.23	0.059	24.07	0.038
22.27	0.058	24.10	0.035
22.30	0.058	24.13	0.030
22.33	0.057	24.17	0.026
22.37	0.056	24.20	0.022
22.40	0.055		
22.43	0.054	*...End*	
22.47	0.053		
22.50	0.052		
22.53	0.051		
22.57	0.050		
22.60	0.049		
22.63	0.049		
22.67	0.049		
22.70	0.049		
22.73	0.049		
22.77	0.048		
22.80	0.048		
22.83	0.048		
22.87	0.048		
22.90	0.048		
22.93	0.048		
22.97	0.047		
23.00	0.047		
23.03	0.047		
23.07	0.047		
23.10	0.047		
23.13	0.047		
23.17	0.046		
23.20	0.046		
23.23	0.046		
23.27	0.046		
23.30	0.046		
23.33	0.045		
23.37	0.045		
23.40	0.045		
23.43	0.045		
23.47	0.045		
23.50	0.045		
23.53	0.044		
23.57	0.044		
23.60	0.044		
23.63	0.044		
23.67	0.044		
23.70	0.044		
23.73	0.043		
23.77	0.043		
23.80	0.043		
23.83	0.043		
23.87	0.043		
23.90	0.042		
23.93	0.042		
23.97	0.042		
24.00	0.042		
24.03	0.041		

Hydrograph Report

Hyd. No. 3

AREA #7

Hydrograph type	= SCS Runoff	Peak discharge	= 0.309 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.43 hrs
Time interval	= 2 min	Hyd. volume	= 618 cuft
Drainage area	= 0.610 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 17.7 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.609 x 55)] / 0.610

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.83	0.005	13.10	0.112	14.37	0.061	15.63	0.045
11.87	0.009	13.13	0.107	14.40	0.061	15.67	0.045
11.90	0.014	13.17	0.103	14.43	0.060	15.70	0.044
11.93	0.021	13.20	0.099	14.47	0.060	15.73	0.044
11.97	0.032	13.23	0.096	14.50	0.059	15.77	0.043
12.00	0.049	13.27	0.093	14.53	0.059	15.80	0.043
12.03	0.072	13.30	0.091	14.57	0.058	15.83	0.043
12.07	0.102	13.33	0.089	14.60	0.058	15.87	0.042
12.10	0.134	13.37	0.087	14.63	0.058	15.90	0.042
12.13	0.168	13.40	0.085	14.67	0.057	15.93	0.041
12.17	0.201	13.43	0.084	14.70	0.057	15.97	0.041
12.20	0.230	13.47	0.083	14.73	0.056	16.00	0.040
12.23	0.252	13.50	0.082	14.77	0.056	16.03	0.040
12.27	0.268	13.53	0.080	14.80	0.056	16.07	0.039
12.30	0.282	13.57	0.079	14.83	0.055	16.10	0.039
12.33	0.292	13.60	0.078	14.87	0.055	16.13	0.038
12.37	0.301	13.63	0.077	14.90	0.054	16.17	0.038
12.40	0.306	13.67	0.077	14.93	0.054	16.20	0.038
12.43	0.309 <<	13.70	0.076	14.97	0.054	16.23	0.037
12.47	0.309	13.73	0.075	15.00	0.053	16.27	0.037
12.50	0.306	13.77	0.074	15.03	0.053	16.30	0.036
12.53	0.300	13.80	0.073	15.07	0.053	16.33	0.036
12.57	0.292	13.83	0.073	15.10	0.052	16.37	0.036
12.60	0.281	13.87	0.072	15.13	0.052	16.40	0.036
12.63	0.269	13.90	0.071	15.17	0.051	16.43	0.035
12.67	0.257	13.93	0.070	15.20	0.051	16.47	0.035
12.70	0.243	13.97	0.070	15.23	0.050	16.50	0.035
12.73	0.229	14.00	0.069	15.27	0.050	16.53	0.034
12.77	0.215	14.03	0.068	15.30	0.050	16.57	0.034
12.80	0.200	14.07	0.067	15.33	0.049	16.60	0.034
12.83	0.186	14.10	0.067	15.37	0.049	16.63	0.034
12.87	0.173	14.13	0.066	15.40	0.048	16.67	0.033
12.90	0.160	14.17	0.065	15.43	0.048	16.70	0.033
12.93	0.150	14.20	0.064	15.47	0.047	16.73	0.033
12.97	0.141	14.23	0.064	15.50	0.047	16.77	0.033
13.00	0.132	14.27	0.063	15.53	0.047	16.80	0.033
13.03	0.125	14.30	0.063	15.57	0.046	16.83	0.032
13.07	0.118	14.33	0.062	15.60	0.046	16.87	0.032

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AREA #7

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.90	0.032	18.73	0.022	20.57	0.019	22.40	0.017
16.93	0.032	18.77	0.022	20.60	0.019	22.43	0.017
16.97	0.032	18.80	0.022	20.63	0.018	22.47	0.017
17.00	0.031	18.83	0.022	20.67	0.018	22.50	0.017
17.03	0.031	18.87	0.022	20.70	0.018	22.53	0.017
17.07	0.031	18.90	0.022	20.73	0.018	22.57	0.017
17.10	0.031	18.93	0.022	20.77	0.018	22.60	0.017
17.13	0.031	18.97	0.022	20.80	0.018	22.63	0.016
17.17	0.030	19.00	0.022	20.83	0.018	22.67	0.016
17.20	0.030	19.03	0.022	20.87	0.018	22.70	0.016
17.23	0.030	19.07	0.021	20.90	0.018	22.73	0.016
17.27	0.030	19.10	0.021	20.93	0.018	22.77	0.016
17.30	0.030	19.13	0.021	20.97	0.018	22.80	0.016
17.33	0.029	19.17	0.021	21.00	0.018	22.83	0.016
17.37	0.029	19.20	0.021	21.03	0.018	22.87	0.015
17.40	0.029	19.23	0.021	21.07	0.018	22.90	0.015
17.43	0.029	19.27	0.021	21.10	0.018	22.93	0.015
17.47	0.029	19.30	0.021	21.13	0.017	22.97	0.015
17.50	0.028	19.33	0.021	21.17	0.017	23.00	0.015
17.53	0.028	19.37	0.021	21.20	0.017	23.03	0.015
17.57	0.028	19.40	0.021	21.23	0.017	23.07	0.015
17.60	0.028	19.43	0.021	21.27	0.017	23.10	0.015
17.63	0.027	19.47	0.021	21.30	0.017	23.13	0.015
17.67	0.027	19.50	0.021	21.33	0.017	23.17	0.015
17.70	0.027	19.53	0.021	21.37	0.017	23.20	0.015
17.73	0.027	19.57	0.021	21.40	0.017	23.23	0.015
17.77	0.027	19.60	0.020	21.43	0.017	23.27	0.015
17.80	0.026	19.63	0.020	21.47	0.017	23.30	0.015
17.83	0.026	19.67	0.020	21.50	0.017	23.33	0.015
17.87	0.026	19.70	0.020	21.53	0.017	23.37	0.014
17.90	0.026	19.73	0.020	21.57	0.017	23.40	0.014
17.93	0.025	19.77	0.020	21.60	0.017	23.43	0.014
17.97	0.025	19.80	0.020	21.63	0.016	23.47	0.014
18.00	0.025	19.83	0.020	21.67	0.016	23.50	0.014
18.03	0.025	19.87	0.020	21.70	0.016	23.53	0.014
18.07	0.025	19.90	0.020	21.73	0.016	23.57	0.014
18.10	0.024	19.93	0.020	21.77	0.016	23.60	0.014
18.13	0.024	19.97	0.020	21.80	0.016	23.63	0.014
18.17	0.024	20.00	0.020	21.83	0.016	23.67	0.014
18.20	0.024	20.03	0.020	21.87	0.016	23.70	0.014
18.23	0.024	20.07	0.020	21.90	0.016	23.73	0.014
18.27	0.023	20.10	0.019	21.93	0.016	23.77	0.014
18.30	0.023	20.13	0.019	21.97	0.016	23.80	0.014
18.33	0.023	20.17	0.019	22.00	0.016	23.83	0.014
18.37	0.023	20.20	0.019	22.03	0.016	23.87	0.014
18.40	0.023	20.23	0.019	22.07	0.016	23.90	0.014
18.43	0.023	20.27	0.019	22.10	0.017	23.93	0.014
18.47	0.023	20.30	0.019	22.13	0.017	23.97	0.014
18.50	0.023	20.33	0.019	22.17	0.018	24.00	0.013
18.53	0.023	20.37	0.019	22.20	0.018	24.03	0.013
18.57	0.022	20.40	0.019	22.23	0.018	24.07	0.013
18.60	0.022	20.43	0.019	22.27	0.018	24.10	0.012
18.63	0.022	20.47	0.019	22.30	0.018	24.13	0.012
18.67	0.022	20.50	0.019	22.33	0.018	24.17	0.011
18.70	0.022	20.53	0.019	22.37	0.018	24.20	0.010

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AREA #7

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
24.23	0.009
24.27	0.008
24.30	0.007
24.33	0.006
24.37	0.006
24.40	0.005
24.43	0.004
24.47	0.004

...End

Hydrograph Report

Hyd. No. 4

AREA #8

Hydrograph type	= SCS Runoff	Peak discharge	= 0.346 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.40 hrs
Time interval	= 2 min	Hyd. volume	= 643 cuft
Drainage area	= 0.620 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 15.9 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.164 x 55) + (0.451 x 55)] / 0.620

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.80	0.004	13.07	0.109	14.33	0.063	15.60	0.047
11.83	0.007	13.10	0.105	14.37	0.063	15.63	0.046
11.87	0.012	13.13	0.101	14.40	0.062	15.67	0.046
11.90	0.019	13.17	0.098	14.43	0.062	15.70	0.045
11.93	0.029	13.20	0.096	14.47	0.061	15.73	0.045
11.97	0.044	13.23	0.094	14.50	0.061	15.77	0.044
12.00	0.067	13.27	0.092	14.53	0.060	15.80	0.044
12.03	0.099	13.30	0.090	14.57	0.060	15.83	0.043
12.07	0.139	13.33	0.089	14.60	0.060	15.87	0.043
12.10	0.183	13.37	0.087	14.63	0.059	15.90	0.042
12.13	0.224	13.40	0.086	14.67	0.059	15.93	0.042
12.17	0.260	13.43	0.084	14.70	0.058	15.97	0.042
12.20	0.287	13.47	0.083	14.73	0.058	16.00	0.041
12.23	0.306	13.50	0.082	14.77	0.058	16.03	0.041
12.27	0.321	13.53	0.081	14.80	0.057	16.07	0.040
12.30	0.332	13.57	0.080	14.83	0.057	16.10	0.040
12.33	0.340	13.60	0.080	14.87	0.056	16.13	0.039
12.37	0.345	13.63	0.079	14.90	0.056	16.17	0.039
12.40	0.346 <<	13.67	0.078	14.93	0.056	16.20	0.038
12.43	0.343	13.70	0.077	14.97	0.055	16.23	0.038
12.47	0.337	13.73	0.076	15.00	0.055	16.27	0.038
12.50	0.327	13.77	0.076	15.03	0.054	16.30	0.037
12.53	0.314	13.80	0.075	15.07	0.054	16.33	0.037
12.57	0.299	13.83	0.074	15.10	0.053	16.37	0.037
12.60	0.281	13.87	0.073	15.13	0.053	16.40	0.036
12.63	0.262	13.90	0.073	15.17	0.053	16.43	0.036
12.67	0.242	13.93	0.072	15.20	0.052	16.47	0.036
12.70	0.223	13.97	0.071	15.23	0.052	16.50	0.036
12.73	0.205	14.00	0.070	15.27	0.051	16.53	0.035
12.77	0.188	14.03	0.069	15.30	0.051	16.57	0.035
12.80	0.174	14.07	0.069	15.33	0.050	16.60	0.035
12.83	0.163	14.10	0.068	15.37	0.050	16.63	0.035
12.87	0.152	14.13	0.067	15.40	0.049	16.67	0.034
12.90	0.143	14.17	0.066	15.43	0.049	16.70	0.034
12.93	0.134	14.20	0.066	15.47	0.049	16.73	0.034
12.97	0.127	14.23	0.065	15.50	0.048	16.77	0.034
13.00	0.120	14.27	0.064	15.53	0.048	16.80	0.034
13.03	0.114	14.30	0.064	15.57	0.047	16.83	0.033

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AREA #8

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.87	0.033	18.70	0.023	20.53	0.019	22.37	0.018
16.90	0.033	18.73	0.023	20.57	0.019	22.40	0.018
16.93	0.033	18.77	0.023	20.60	0.019	22.43	0.018
16.97	0.033	18.80	0.023	20.63	0.019	22.47	0.018
17.00	0.032	18.83	0.023	20.67	0.019	22.50	0.018
17.03	0.032	18.87	0.023	20.70	0.019	22.53	0.017
17.07	0.032	18.90	0.022	20.73	0.019	22.57	0.017
17.10	0.032	18.93	0.022	20.77	0.019	22.60	0.017
17.13	0.031	18.97	0.022	20.80	0.019	22.63	0.017
17.17	0.031	19.00	0.022	20.83	0.019	22.67	0.017
17.20	0.031	19.03	0.022	20.87	0.019	22.70	0.016
17.23	0.031	19.07	0.022	20.90	0.019	22.73	0.016
17.27	0.031	19.10	0.022	20.93	0.018	22.77	0.016
17.30	0.030	19.13	0.022	20.97	0.018	22.80	0.016
17.33	0.030	19.17	0.022	21.00	0.018	22.83	0.016
17.37	0.030	19.20	0.022	21.03	0.018	22.87	0.016
17.40	0.030	19.23	0.022	21.07	0.018	22.90	0.016
17.43	0.029	19.27	0.022	21.10	0.018	22.93	0.016
17.47	0.029	19.30	0.022	21.13	0.018	22.97	0.016
17.50	0.029	19.33	0.022	21.17	0.018	23.00	0.016
17.53	0.029	19.37	0.022	21.20	0.018	23.03	0.016
17.57	0.029	19.40	0.022	21.23	0.018	23.07	0.015
17.60	0.028	19.43	0.021	21.27	0.018	23.10	0.015
17.63	0.028	19.47	0.021	21.30	0.018	23.13	0.015
17.67	0.028	19.50	0.021	21.33	0.018	23.17	0.015
17.70	0.028	19.53	0.021	21.37	0.018	23.20	0.015
17.73	0.027	19.57	0.021	21.40	0.017	23.23	0.015
17.77	0.027	19.60	0.021	21.43	0.017	23.27	0.015
17.80	0.027	19.63	0.021	21.47	0.017	23.30	0.015
17.83	0.027	19.67	0.021	21.50	0.017	23.33	0.015
17.87	0.027	19.70	0.021	21.53	0.017	23.37	0.015
17.90	0.026	19.73	0.021	21.57	0.017	23.40	0.015
17.93	0.026	19.77	0.021	21.60	0.017	23.43	0.015
17.97	0.026	19.80	0.021	21.63	0.017	23.47	0.015
18.00	0.026	19.83	0.021	21.67	0.017	23.50	0.015
18.03	0.025	19.87	0.021	21.70	0.017	23.53	0.015
18.07	0.025	19.90	0.021	21.73	0.017	23.57	0.015
18.10	0.025	19.93	0.020	21.77	0.017	23.60	0.015
18.13	0.025	19.97	0.020	21.80	0.017	23.63	0.015
18.17	0.025	20.00	0.020	21.83	0.017	23.67	0.014
18.20	0.024	20.03	0.020	21.87	0.016	23.70	0.014
18.23	0.024	20.07	0.020	21.90	0.016	23.73	0.014
18.27	0.024	20.10	0.020	21.93	0.016	23.77	0.014
18.30	0.024	20.13	0.020	21.97	0.016	23.80	0.014
18.33	0.024	20.17	0.020	22.00	0.016	23.83	0.014
18.37	0.024	20.20	0.020	22.03	0.017	23.87	0.014
18.40	0.024	20.23	0.020	22.07	0.017	23.90	0.014
18.43	0.023	20.27	0.020	22.10	0.018	23.93	0.014
18.47	0.023	20.30	0.020	22.13	0.019	23.97	0.014
18.50	0.023	20.33	0.020	22.17	0.019	24.00	0.014
18.53	0.023	20.37	0.020	22.20	0.019	24.03	0.014
18.57	0.023	20.40	0.020	22.23	0.019	24.07	0.013
18.60	0.023	20.43	0.019	22.27	0.019	24.10	0.012
18.63	0.023	20.47	0.019	22.30	0.019	24.13	0.011
18.67	0.023	20.50	0.019	22.33	0.018	24.17	0.010

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AREA #8

Hydrograph Discharge Table

Time -- Outflow (hrs cfs)	
24.20	0.009
24.23	0.008
24.27	0.007
24.30	0.006
24.33	0.005
24.37	0.004
24.40	0.004

...End

Hydrograph Report

Hyd. No. 5

TOTAL EX. BYPASS FLOW

Hydrograph type	= Combine	Peak discharge	= 12.56 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.47 hrs
Time interval	= 2 min	Hyd. volume	= 35,559 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 19.080 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
11.27	0.007	0.123	0.000	0.000	0.131
11.30	0.012	0.129	0.000	0.000	0.141
11.33	0.017	0.136	0.000	0.000	0.153
11.37	0.025	0.143	0.000	0.000	0.168
11.40	0.035	0.150	0.000	0.000	0.185
11.43	0.047	0.158	0.000	0.000	0.205
11.47	0.062	0.166	0.000	0.000	0.228
11.50	0.079	0.174	0.000	0.000	0.253
11.53	0.099	0.184	0.000	0.000	0.283
11.57	0.123	0.196	0.000	0.000	0.319
11.60	0.153	0.212	0.000	0.000	0.365
11.63	0.189	0.235	0.000	0.000	0.424
11.67	0.235	0.264	0.000	0.000	0.500
11.70	0.293	0.300	0.000	0.000	0.594
11.73	0.366	0.344	0.000	0.001	0.711
11.77	0.456	0.395	0.001	0.002	0.854
11.80	0.568	0.453	0.003	0.004	1.028
11.83	0.706	0.519	0.005	0.007	1.237
11.87	0.873	0.592	0.009	0.012	1.486
11.90	1.073	0.673	0.014	0.019	1.778
11.93	1.321	0.770	0.021	0.029	2.141
11.97	1.649	0.904	0.032	0.044	2.629
12.00	2.097	1.097	0.049	0.067	3.309
12.03	2.676	1.349	0.072	0.099	4.196
12.07	3.358	1.623	0.102	0.139	5.222
12.10	4.105	1.868	0.134	0.183	6.290
12.13	4.890	2.035	0.168	0.224	7.318
12.17	5.704	2.117	0.201	0.260	8.281
12.20	6.535	2.135 <<	0.230	0.287	9.187
12.23	7.357	2.120	0.252	0.306	10.03
12.27	8.122	2.084	0.268	0.321	10.80
12.30	8.770	2.030	0.282	0.332	11.41
12.33	9.274	1.958	0.292	0.340	11.86
12.37	9.661	1.869	0.301	0.345	12.17
12.40	9.967	1.764	0.306	0.346 <<	12.38
12.43	10.21	1.646	0.309 <<	0.343	12.51
12.47	10.39	1.515	0.309	0.337	12.56 <<
12.50	10.51	1.374	0.306	0.327	12.52
12.53	10.57 <<	1.228	0.300	0.314	12.41
12.57	10.56	1.087	0.292	0.299	12.24
12.60	10.51	0.964	0.281	0.281	12.03
12.63	10.41	0.863	0.269	0.262	11.80
12.67	10.26	0.782	0.257	0.242	11.54
12.70	10.08	0.713	0.243	0.223	11.26

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
12.73	9.876	0.652	0.229	0.205	10.96
12.77	9.648	0.600	0.215	0.188	10.65
12.80	9.405	0.555	0.200	0.174	10.33
12.83	9.151	0.516	0.186	0.163	10.02
12.87	8.886	0.484	0.173	0.152	9.695
12.90	8.611	0.457	0.160	0.143	9.371
12.93	8.326	0.434	0.150	0.134	9.044
12.97	8.032	0.415	0.141	0.127	8.714
13.00	7.728	0.400	0.132	0.120	8.380
13.03	7.417	0.386	0.125	0.114	8.042
13.07	7.100	0.374	0.118	0.109	7.701
13.10	6.777	0.362	0.112	0.105	7.357
13.13	6.452	0.352	0.107	0.101	7.013
13.17	6.125	0.343	0.103	0.098	6.669
13.20	5.799	0.335	0.099	0.096	6.328
13.23	5.475	0.327	0.096	0.094	5.992
13.27	5.157	0.320	0.093	0.092	5.662
13.30	4.850	0.314	0.091	0.090	5.345
13.33	4.563	0.309	0.089	0.089	5.049
13.37	4.310	0.304	0.087	0.087	4.788
13.40	4.094	0.299	0.085	0.086	4.565
13.43	3.910	0.295	0.084	0.084	4.374
13.47	3.747	0.292	0.083	0.083	4.205
13.50	3.601	0.288	0.082	0.082	4.053
13.53	3.470	0.285	0.080	0.081	3.917
13.57	3.354	0.282	0.079	0.080	3.796
13.60	3.252	0.279	0.078	0.080	3.688
13.63	3.161	0.276	0.077	0.079	3.593
13.67	3.083	0.272	0.077	0.078	3.510
13.70	3.014	0.269	0.076	0.077	3.436
13.73	2.954	0.266	0.075	0.076	3.371
13.77	2.900	0.263	0.074	0.076	3.313
13.80	2.853	0.260	0.073	0.075	3.261
13.83	2.809	0.256	0.073	0.074	3.213
13.87	2.768	0.253	0.072	0.073	3.167
13.90	2.729	0.250	0.071	0.073	3.123
13.93	2.691	0.247	0.070	0.072	3.080
13.97	2.654	0.243	0.070	0.071	3.038
14.00	2.619	0.240	0.069	0.070	2.998
14.03	2.584	0.237	0.068	0.069	2.959
14.07	2.551	0.234	0.067	0.069	2.921
14.10	2.519	0.231	0.067	0.068	2.884
14.13	2.488	0.228	0.066	0.067	2.849
14.17	2.459	0.225	0.065	0.066	2.815
14.20	2.430	0.222	0.064	0.066	2.783
14.23	2.402	0.220	0.064	0.065	2.751
14.27	2.376	0.218	0.063	0.064	2.721
14.30	2.350	0.216	0.063	0.064	2.692
14.33	2.325	0.214	0.062	0.063	2.664
14.37	2.301	0.212	0.061	0.063	2.637
14.40	2.278	0.210	0.061	0.062	2.611
14.43	2.255	0.208	0.060	0.062	2.585
14.47	2.233	0.207	0.060	0.061	2.560
14.50	2.211	0.205	0.059	0.061	2.536
14.53	2.190	0.203	0.059	0.060	2.512
14.57	2.169	0.202	0.058	0.060	2.489

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
14.60	2.149	0.200	0.058	0.060	2.467
14.63	2.130	0.199	0.058	0.059	2.445
14.67	2.110	0.197	0.057	0.059	2.423
14.70	2.092	0.195	0.057	0.058	2.402
14.73	2.073	0.194	0.056	0.058	2.382
14.77	2.056	0.192	0.056	0.058	2.361
14.80	2.038	0.191	0.056	0.057	2.341
14.83	2.021	0.189	0.055	0.057	2.322
14.87	2.004	0.187	0.055	0.056	2.303
14.90	1.987	0.186	0.054	0.056	2.284
14.93	1.971	0.184	0.054	0.056	2.265
14.97	1.955	0.183	0.054	0.055	2.247
15.00	1.939	0.181	0.053	0.055	2.228
15.03	1.924	0.179	0.053	0.054	2.210
15.07	1.908	0.178	0.053	0.054	2.193
15.10	1.893	0.176	0.052	0.053	2.175
15.13	1.878	0.175	0.052	0.053	2.157
15.17	1.863	0.173	0.051	0.053	2.140
15.20	1.848	0.171	0.051	0.052	2.122
15.23	1.833	0.170	0.050	0.052	2.105
15.27	1.818	0.168	0.050	0.051	2.087
15.30	1.803	0.166	0.050	0.051	2.070
15.33	1.788	0.165	0.049	0.050	2.053
15.37	1.773	0.163	0.049	0.050	2.035
15.40	1.758	0.161	0.048	0.049	2.018
15.43	1.743	0.160	0.048	0.049	2.000
15.47	1.728	0.158	0.047	0.049	1.982
15.50	1.713	0.156	0.047	0.048	1.964
15.53	1.697	0.155	0.047	0.048	1.946
15.57	1.682	0.153	0.046	0.047	1.928
15.60	1.667	0.151	0.046	0.047	1.910
15.63	1.651	0.150	0.045	0.046	1.892
15.67	1.635	0.148	0.045	0.046	1.874
15.70	1.620	0.146	0.044	0.045	1.856
15.73	1.604	0.145	0.044	0.045	1.838
15.77	1.588	0.143	0.043	0.044	1.819
15.80	1.573	0.141	0.043	0.044	1.801
15.83	1.557	0.140	0.043	0.043	1.782
15.87	1.541	0.138	0.042	0.043	1.764
15.90	1.525	0.136	0.042	0.042	1.745
15.93	1.509	0.135	0.041	0.042	1.727
15.97	1.493	0.133	0.041	0.042	1.708
16.00	1.477	0.131	0.040	0.041	1.689
16.03	1.460	0.129	0.040	0.041	1.670
16.07	1.444	0.128	0.039	0.040	1.652
16.10	1.428	0.126	0.039	0.040	1.633
16.13	1.412	0.125	0.038	0.039	1.615
16.17	1.397	0.123	0.038	0.039	1.597
16.20	1.381	0.122	0.038	0.038	1.579
16.23	1.366	0.121	0.037	0.038	1.562
16.27	1.351	0.120	0.037	0.038	1.545
16.30	1.337	0.119	0.036	0.037	1.529
16.33	1.323	0.118	0.036	0.037	1.514
16.37	1.309	0.117	0.036	0.037	1.499
16.40	1.296	0.116	0.036	0.036	1.484
16.43	1.284	0.115	0.035	0.036	1.470

Continues on next page...

TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
16.47	1.271	0.114	0.035	0.036	1.456
16.50	1.259	0.114	0.035	0.036	1.443
16.53	1.248	0.113	0.034	0.035	1.430
16.57	1.237	0.112	0.034	0.035	1.418
16.60	1.226	0.111	0.034	0.035	1.406
16.63	1.215	0.111	0.034	0.035	1.394
16.67	1.205	0.110	0.033	0.034	1.383
16.70	1.195	0.109	0.033	0.034	1.372
16.73	1.185	0.108	0.033	0.034	1.361
16.77	1.176	0.108	0.033	0.034	1.350
16.80	1.167	0.107	0.033	0.034	1.340
16.83	1.158	0.106	0.032	0.033	1.330
16.87	1.149	0.105	0.032	0.033	1.320
16.90	1.141	0.105	0.032	0.033	1.310
16.93	1.132	0.104	0.032	0.033	1.301
16.97	1.124	0.103	0.032	0.033	1.292
17.00	1.116	0.103	0.031	0.032	1.282
17.03	1.108	0.102	0.031	0.032	1.273
17.07	1.100	0.101	0.031	0.032	1.264
17.10	1.093	0.100	0.031	0.032	1.256
17.13	1.085	0.100	0.031	0.031	1.247
17.17	1.078	0.099	0.030	0.031	1.238
17.20	1.070	0.098	0.030	0.031	1.230
17.23	1.063	0.097	0.030	0.031	1.221
17.27	1.056	0.097	0.030	0.031	1.213
17.30	1.049	0.096	0.030	0.030	1.204
17.33	1.041	0.095	0.029	0.030	1.196
17.37	1.034	0.094	0.029	0.030	1.187
17.40	1.027	0.094	0.029	0.030	1.179
17.43	1.020	0.093	0.029	0.029	1.171
17.47	1.012	0.092	0.029	0.029	1.162
17.50	1.005	0.091	0.028	0.029	1.154
17.53	0.998	0.091	0.028	0.029	1.145
17.57	0.990	0.090	0.028	0.029	1.137
17.60	0.983	0.089	0.028	0.028	1.128
17.63	0.975	0.088	0.027	0.028	1.119
17.67	0.968	0.088	0.027	0.028	1.111
17.70	0.961	0.087	0.027	0.028	1.102
17.73	0.953	0.086	0.027	0.027	1.094
17.77	0.946	0.085	0.027	0.027	1.085
17.80	0.938	0.085	0.026	0.027	1.076
17.83	0.931	0.084	0.026	0.027	1.068
17.87	0.923	0.083	0.026	0.027	1.059
17.90	0.916	0.082	0.026	0.026	1.050
17.93	0.908	0.082	0.025	0.026	1.042
17.97	0.901	0.081	0.025	0.026	1.033
18.00	0.893	0.080	0.025	0.026	1.024
18.03	0.886	0.079	0.025	0.025	1.015
18.07	0.878	0.079	0.025	0.025	1.007
18.10	0.871	0.078	0.024	0.025	0.998
18.13	0.864	0.077	0.024	0.025	0.990
18.17	0.857	0.077	0.024	0.025	0.982
18.20	0.849	0.076	0.024	0.024	0.974
18.23	0.843	0.076	0.024	0.024	0.966
18.27	0.836	0.075	0.023	0.024	0.959
18.30	0.830	0.075	0.023	0.024	0.952

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
18.33	0.823	0.074	0.023	0.024	0.945
18.37	0.818	0.074	0.023	0.024	0.938
18.40	0.812	0.074	0.023	0.024	0.932
18.43	0.807	0.074	0.023	0.023	0.926
18.47	0.801	0.073	0.023	0.023	0.921
18.50	0.796	0.073	0.023	0.023	0.915
18.53	0.792	0.073	0.023	0.023	0.910
18.57	0.787	0.073	0.022	0.023	0.905
18.60	0.783	0.072	0.022	0.023	0.901
18.63	0.779	0.072	0.022	0.023	0.896
18.67	0.775	0.072	0.022	0.023	0.892
18.70	0.771	0.072	0.022	0.023	0.888
18.73	0.767	0.071	0.022	0.023	0.884
18.77	0.764	0.071	0.022	0.023	0.880
18.80	0.760	0.071	0.022	0.023	0.876
18.83	0.757	0.071	0.022	0.023	0.873
18.87	0.754	0.071	0.022	0.023	0.869
18.90	0.751	0.070	0.022	0.022	0.866
18.93	0.748	0.070	0.022	0.022	0.863
18.97	0.746	0.070	0.022	0.022	0.860
19.00	0.743	0.070	0.022	0.022	0.857
19.03	0.740	0.069	0.022	0.022	0.854
19.07	0.738	0.069	0.021	0.022	0.851
19.10	0.736	0.069	0.021	0.022	0.848
19.13	0.733	0.069	0.021	0.022	0.845
19.17	0.731	0.069	0.021	0.022	0.843
19.20	0.729	0.068	0.021	0.022	0.840
19.23	0.726	0.068	0.021	0.022	0.838
19.27	0.724	0.068	0.021	0.022	0.835
19.30	0.722	0.068	0.021	0.022	0.832
19.33	0.720	0.067	0.021	0.022	0.830
19.37	0.718	0.067	0.021	0.022	0.827
19.40	0.716	0.067	0.021	0.022	0.825
19.43	0.713	0.067	0.021	0.021	0.822
19.47	0.711	0.067	0.021	0.021	0.820
19.50	0.709	0.066	0.021	0.021	0.817
19.53	0.707	0.066	0.021	0.021	0.815
19.57	0.705	0.066	0.021	0.021	0.812
19.60	0.702	0.066	0.020	0.021	0.810
19.63	0.700	0.065	0.020	0.021	0.807
19.67	0.698	0.065	0.020	0.021	0.805
19.70	0.696	0.065	0.020	0.021	0.802
19.73	0.694	0.065	0.020	0.021	0.800
19.77	0.691	0.065	0.020	0.021	0.797
19.80	0.689	0.064	0.020	0.021	0.794
19.83	0.687	0.064	0.020	0.021	0.792
19.87	0.685	0.064	0.020	0.021	0.789
19.90	0.683	0.064	0.020	0.021	0.787
19.93	0.680	0.063	0.020	0.020	0.784
19.97	0.678	0.063	0.020	0.020	0.782
20.00	0.676	0.063	0.020	0.020	0.779
20.03	0.674	0.063	0.020	0.020	0.776
20.07	0.672	0.063	0.020	0.020	0.774
20.10	0.669	0.062	0.019	0.020	0.771
20.13	0.667	0.062	0.019	0.020	0.769
20.17	0.665	0.062	0.019	0.020	0.766

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
20.20	0.663	0.062	0.019	0.020	0.764
20.23	0.660	0.061	0.019	0.020	0.761
20.27	0.658	0.061	0.019	0.020	0.758
20.30	0.656	0.061	0.019	0.020	0.756
20.33	0.654	0.061	0.019	0.020	0.753
20.37	0.651	0.060	0.019	0.020	0.751
20.40	0.649	0.060	0.019	0.020	0.748
20.43	0.647	0.060	0.019	0.019	0.745
20.47	0.645	0.060	0.019	0.019	0.743
20.50	0.642	0.060	0.019	0.019	0.740
20.53	0.640	0.059	0.019	0.019	0.737
20.57	0.638	0.059	0.019	0.019	0.735
20.60	0.636	0.059	0.019	0.019	0.732
20.63	0.633	0.059	0.018	0.019	0.730
20.67	0.631	0.058	0.018	0.019	0.727
20.70	0.629	0.058	0.018	0.019	0.724
20.73	0.627	0.058	0.018	0.019	0.722
20.77	0.624	0.058	0.018	0.019	0.719
20.80	0.622	0.058	0.018	0.019	0.716
20.83	0.620	0.057	0.018	0.019	0.714
20.87	0.617	0.057	0.018	0.019	0.711
20.90	0.615	0.057	0.018	0.019	0.708
20.93	0.613	0.057	0.018	0.018	0.706
20.97	0.611	0.056	0.018	0.018	0.703
21.00	0.608	0.056	0.018	0.018	0.700
21.03	0.606	0.056	0.018	0.018	0.698
21.07	0.604	0.056	0.018	0.018	0.695
21.10	0.601	0.055	0.018	0.018	0.692
21.13	0.599	0.055	0.017	0.018	0.690
21.17	0.597	0.055	0.017	0.018	0.687
21.20	0.595	0.055	0.017	0.018	0.684
21.23	0.592	0.055	0.017	0.018	0.682
21.27	0.590	0.054	0.017	0.018	0.679
21.30	0.588	0.054	0.017	0.018	0.676
21.33	0.585	0.054	0.017	0.018	0.674
21.37	0.583	0.054	0.017	0.018	0.671
21.40	0.581	0.053	0.017	0.017	0.668
21.43	0.578	0.053	0.017	0.017	0.666
21.47	0.576	0.053	0.017	0.017	0.663
21.50	0.574	0.053	0.017	0.017	0.660
21.53	0.571	0.052	0.017	0.017	0.658
21.57	0.569	0.052	0.017	0.017	0.655
21.60	0.567	0.052	0.017	0.017	0.652
21.63	0.564	0.052	0.016	0.017	0.650
21.67	0.562	0.052	0.016	0.017	0.647
21.70	0.560	0.051	0.016	0.017	0.644
21.73	0.557	0.051	0.016	0.017	0.641
21.77	0.555	0.051	0.016	0.017	0.639
21.80	0.553	0.051	0.016	0.017	0.636
21.83	0.550	0.050	0.016	0.017	0.633
21.87	0.548	0.050	0.016	0.016	0.631
21.90	0.546	0.050	0.016	0.016	0.628
21.93	0.543	0.050	0.016	0.016	0.625
21.97	0.541	0.049	0.016	0.016	0.622
22.00	0.539	0.049	0.016	0.016	0.620
22.03	0.542	0.052	0.016	0.017	0.627

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
22.07	0.547	0.055	0.016	0.017	0.635
22.10	0.551	0.058	0.017	0.018	0.644
22.13	0.556	0.061	0.017	0.019	0.653
22.17	0.560	0.061	0.018	0.019	0.658
22.20	0.565	0.060	0.018	0.019	0.662
22.23	0.571	0.059	0.018	0.019	0.667
22.27	0.576	0.058	0.018	0.019	0.671
22.30	0.582	0.058	0.018	0.019	0.676
22.33	0.580	0.057	0.018	0.018	0.673
22.37	0.578	0.056	0.018	0.018	0.669
22.40	0.575	0.055	0.017	0.018	0.666
22.43	0.573	0.054	0.017	0.018	0.663
22.47	0.571	0.053	0.017	0.018	0.659
22.50	0.569	0.052	0.017	0.018	0.656
22.53	0.566	0.051	0.017	0.017	0.652
22.57	0.564	0.050	0.017	0.017	0.648
22.60	0.562	0.049	0.017	0.017	0.644
22.63	0.559	0.049	0.016	0.017	0.642
22.67	0.557	0.049	0.016	0.017	0.639
22.70	0.554	0.049	0.016	0.016	0.635
22.73	0.552	0.049	0.016	0.016	0.632
22.77	0.549	0.048	0.016	0.016	0.629
22.80	0.546	0.048	0.016	0.016	0.626
22.83	0.544	0.048	0.016	0.016	0.623
22.87	0.541	0.048	0.015	0.016	0.620
22.90	0.538	0.048	0.015	0.016	0.617
22.93	0.535	0.048	0.015	0.016	0.614
22.97	0.533	0.047	0.015	0.016	0.611
23.00	0.530	0.047	0.015	0.016	0.607
23.03	0.527	0.047	0.015	0.016	0.604
23.07	0.524	0.047	0.015	0.015	0.601
23.10	0.521	0.047	0.015	0.015	0.598
23.13	0.518	0.047	0.015	0.015	0.594
23.17	0.514	0.046	0.015	0.015	0.591
23.20	0.511	0.046	0.015	0.015	0.587
23.23	0.508	0.046	0.015	0.015	0.584
23.27	0.505	0.046	0.015	0.015	0.580
23.30	0.501	0.046	0.015	0.015	0.577
23.33	0.498	0.045	0.015	0.015	0.573
23.37	0.494	0.045	0.014	0.015	0.569
23.40	0.492	0.045	0.014	0.015	0.567
23.43	0.491	0.045	0.014	0.015	0.565
23.47	0.489	0.045	0.014	0.015	0.563
23.50	0.487	0.045	0.014	0.015	0.561
23.53	0.485	0.044	0.014	0.015	0.559
23.57	0.484	0.044	0.014	0.015	0.557
23.60	0.482	0.044	0.014	0.015	0.555
23.63	0.480	0.044	0.014	0.015	0.552
23.67	0.478	0.044	0.014	0.014	0.550
23.70	0.476	0.044	0.014	0.014	0.548
23.73	0.475	0.043	0.014	0.014	0.546
23.77	0.473	0.043	0.014	0.014	0.544
23.80	0.471	0.043	0.014	0.014	0.542
23.83	0.469	0.043	0.014	0.014	0.540
23.87	0.467	0.043	0.014	0.014	0.538
23.90	0.466	0.042	0.014	0.014	0.536

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
23.93	0.464	0.042	0.014	0.014	0.534
23.97	0.462	0.042	0.014	0.014	0.532
24.00	0.460	0.042	0.013	0.014	0.530
24.03	0.456	0.041	0.013	0.014	0.524
24.07	0.450	0.038	0.013	0.013	0.514
24.10	0.441	0.035	0.012	0.012	0.500
24.13	0.430	0.030	0.012	0.011	0.483
24.17	0.416	0.026	0.011	0.010	0.463
24.20	0.401	0.022	0.010	0.009	0.441
24.23	0.383	0.018	0.009	0.008	0.418
24.27	0.363	0.015	0.008	0.007	0.392
24.30	0.340	0.012	0.007	0.006	0.365
24.33	0.319	0.009	0.006	0.005	0.339
24.37	0.298	0.007	0.006	0.004	0.314
24.40	0.277	0.005	0.005	0.004	0.291
24.43	0.258	0.003	0.004	0.003	0.268
24.47	0.239	0.002	0.004	0.002	0.247
24.50	0.221	0.001	0.003	0.002	0.227
24.53	0.204	0.000	0.003	0.001	0.208
24.57	0.187	0.000	0.002	0.001	0.190
24.60	0.171	0.000	0.002	0.001	0.174
24.63	0.156	0.000	0.001	0.000	0.158
24.67	0.142	0.000	0.001	0.000	0.143
24.70	0.128	0.000	0.001	0.000	0.129

...End

Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	17.42	2	752	130,140	----	------	------	AREA #1
2	SCS Runoff	3.054	2	732	14,517	----	------	------	AREA #4
3	SCS Runoff	0.568	2	744	3,595	----	------	------	AREA #7
4	SCS Runoff	0.634	2	740	3,736	----	------	------	AREA #8
5	Combine	20.61	2	746	151,987	1, 2, 3, 4	------	------	TOTAL EX. BYPASS FLOW

Hydrograph Report

Hyd. No. 1

AREA #1

Hydrograph type	= SCS Runoff	Peak discharge	= 17.42 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.53 hrs
Time interval	= 2 min	Hyd. volume	= 29,520 cuft
Drainage area	= 16.650 ac	Curve number	= 61*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 27.6 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(3.690 x 70) + (10.440 x 55) + (2.467 x 70) + (0.036 x 98) + (0.012 x 55)] / 16.650

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.03	0.185	12.30	15.21	13.57	4.966	14.83	2.931
11.07	0.207	12.33	15.92	13.60	4.808	14.87	2.906
11.10	0.231	12.37	16.44	13.63	4.670	14.90	2.881
11.13	0.256	12.40	16.84	13.67	4.550	14.93	2.856
11.17	0.284	12.43	17.13	13.70	4.444	14.97	2.832
11.20	0.313	12.47	17.33	13.73	4.352	15.00	2.808
11.23	0.344	12.50	17.42	13.77	4.270	15.03	2.785
11.27	0.378	12.53	17.42 <<	13.80	4.197	15.07	2.762
11.30	0.414	12.57	17.34	13.83	4.131	15.10	2.739
11.33	0.454	12.60	17.17	13.87	4.068	15.13	2.716
11.37	0.496	12.63	16.93	13.90	4.007	15.17	2.693
11.40	0.541	12.67	16.63	13.93	3.949	15.20	2.671
11.43	0.590	12.70	16.28	13.97	3.893	15.23	2.649
11.47	0.642	12.73	15.89	14.00	3.839	15.27	2.626
11.50	0.697	12.77	15.47	14.03	3.787	15.30	2.604
11.53	0.757	12.80	15.03	14.07	3.736	15.33	2.582
11.57	0.824	12.83	14.57	14.10	3.687	15.37	2.560
11.60	0.902	12.87	14.09	14.13	3.640	15.40	2.537
11.63	0.994	12.90	13.61	14.17	3.595	15.43	2.515
11.67	1.104	12.93	13.11	14.20	3.552	15.47	2.492
11.70	1.237	12.97	12.59	14.23	3.509	15.50	2.469
11.73	1.397	13.00	12.07	14.27	3.469	15.53	2.447
11.77	1.591	13.03	11.54	14.30	3.430	15.57	2.424
11.80	1.824	13.07	11.00	14.33	3.392	15.60	2.401
11.83	2.102	13.10	10.46	14.37	3.356	15.63	2.378
11.87	2.429	13.13	9.918	14.40	3.320	15.67	2.355
11.90	2.810	13.17	9.377	14.43	3.285	15.70	2.332
11.93	3.269	13.20	8.841	14.47	3.252	15.73	2.309
11.97	3.858	13.23	8.314	14.50	3.219	15.77	2.286
12.00	4.636	13.27	7.798	14.53	3.187	15.80	2.263
12.03	5.617	13.30	7.304	14.57	3.156	15.83	2.239
12.07	6.749	13.33	6.847	14.60	3.125	15.87	2.216
12.10	7.968	13.37	6.447	14.63	3.095	15.90	2.192
12.13	9.233	13.40	6.110	14.67	3.066	15.93	2.169
12.17	10.53	13.43	5.824	14.70	3.038	15.97	2.145
12.20	11.83	13.47	5.572	14.73	3.010	16.00	2.122
12.23	13.10	13.50	5.346	14.77	2.983	16.03	2.098
12.27	14.26	13.53	5.144	14.80	2.957	16.07	2.074

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AREA #1

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
16.10	2.051	17.93	1.294	19.77	0.980	21.60	0.800
16.13	2.028	17.97	1.283	19.80	0.977	21.63	0.797
16.17	2.005	18.00	1.272	19.83	0.974	21.67	0.793
16.20	1.982	18.03	1.261	19.87	0.970	21.70	0.790
16.23	1.960	18.07	1.251	19.90	0.967	21.73	0.787
16.27	1.938	18.10	1.240	19.93	0.964	21.77	0.783
16.30	1.917	18.13	1.229	19.97	0.961	21.80	0.780
16.33	1.897	18.17	1.219	20.00	0.958	21.83	0.777
16.37	1.877	18.20	1.209	20.03	0.954	21.87	0.773
16.40	1.858	18.23	1.199	20.07	0.951	21.90	0.770
16.43	1.840	18.27	1.189	20.10	0.948	21.93	0.767
16.47	1.822	18.30	1.180	20.13	0.945	21.97	0.763
16.50	1.805	18.33	1.171	20.17	0.941	22.00	0.760
16.53	1.788	18.37	1.163	20.20	0.938	22.03	0.765
16.57	1.771	18.40	1.155	20.23	0.935	22.07	0.771
16.60	1.755	18.43	1.147	20.27	0.932	22.10	0.777
16.63	1.740	18.47	1.140	20.30	0.929	22.13	0.784
16.67	1.725	18.50	1.132	20.33	0.925	22.17	0.791
16.70	1.711	18.53	1.126	20.37	0.922	22.20	0.798
16.73	1.696	18.57	1.119	20.40	0.919	22.23	0.805
16.77	1.683	18.60	1.113	20.43	0.916	22.27	0.813
16.80	1.669	18.63	1.107	20.47	0.912	22.30	0.821
16.83	1.656	18.67	1.101	20.50	0.909	22.33	0.818
16.87	1.643	18.70	1.096	20.53	0.906	22.37	0.815
16.90	1.631	18.73	1.090	20.57	0.903	22.40	0.811
16.93	1.619	18.77	1.085	20.60	0.899	22.43	0.808
16.97	1.607	18.80	1.080	20.63	0.896	22.47	0.805
17.00	1.595	18.83	1.076	20.67	0.893	22.50	0.802
17.03	1.584	18.87	1.071	20.70	0.889	22.53	0.798
17.07	1.572	18.90	1.067	20.73	0.886	22.57	0.795
17.10	1.561	18.93	1.063	20.77	0.883	22.60	0.792
17.13	1.550	18.97	1.059	20.80	0.880	22.63	0.788
17.17	1.540	19.00	1.055	20.83	0.876	22.67	0.785
17.20	1.529	19.03	1.051	20.87	0.873	22.70	0.781
17.23	1.518	19.07	1.048	20.90	0.870	22.73	0.777
17.27	1.508	19.10	1.044	20.93	0.867	22.77	0.774
17.30	1.497	19.13	1.041	20.97	0.863	22.80	0.770
17.33	1.486	19.17	1.037	21.00	0.860	22.83	0.766
17.37	1.476	19.20	1.034	21.03	0.857	22.87	0.762
17.40	1.465	19.23	1.031	21.07	0.853	22.90	0.758
17.43	1.455	19.27	1.028	21.10	0.850	22.93	0.754
17.47	1.444	19.30	1.024	21.13	0.847	22.97	0.750
17.50	1.433	19.33	1.021	21.17	0.843	23.00	0.746
17.53	1.423	19.37	1.018	21.20	0.840	23.03	0.742
17.57	1.412	19.40	1.015	21.23	0.837	23.07	0.738
17.60	1.401	19.43	1.012	21.27	0.833	23.10	0.733
17.63	1.391	19.47	1.009	21.30	0.830	23.13	0.729
17.67	1.380	19.50	1.005	21.33	0.827	23.17	0.724
17.70	1.369	19.53	1.002	21.37	0.824	23.20	0.720
17.73	1.359	19.57	0.999	21.40	0.820	23.23	0.715
17.77	1.348	19.60	0.996	21.43	0.817	23.27	0.711
17.80	1.337	19.63	0.993	21.47	0.814	23.30	0.706
17.83	1.326	19.67	0.990	21.50	0.810	23.33	0.701
17.87	1.316	19.70	0.986	21.53	0.807	23.37	0.696
17.90	1.305	19.73	0.983	21.57	0.804	23.40	0.693

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AREA #1

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
23.43	0.691
23.47	0.688
23.50	0.686
23.53	0.683
23.57	0.681
23.60	0.678
23.63	0.676
23.67	0.673
23.70	0.670
23.73	0.668
23.77	0.665
23.80	0.663
23.83	0.660
23.87	0.658
23.90	0.655
23.93	0.653
23.97	0.650
24.00	0.647
24.03	0.642
24.07	0.632
24.10	0.620
24.13	0.605
24.17	0.586
24.20	0.564
24.23	0.538
24.27	0.510
24.30	0.479
24.33	0.448
24.37	0.419
24.40	0.390
24.43	0.363
24.47	0.336
24.50	0.311
24.53	0.287
24.57	0.263
24.60	0.241
24.63	0.220
24.67	0.200
24.70	0.180

...End

Hydrograph Report

Hyd. No. 2

AREA #4

Hydrograph type	= SCS Runoff	Peak discharge	= 3.054 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.20 hrs
Time interval	= 2 min	Hyd. volume	= 4,778 cuft
Drainage area	= 1.200 ac	Curve number	= 74*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 11.6 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.052 x 70) + (0.047 x 77) + (0.849 x 70) + (0.072 x 55) + (0.179 x 98)] / 1.200

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
9.27	0.031	10.53	0.109	11.80	0.710	13.07	0.507
9.30	0.033	10.57	0.113	11.83	0.807	13.10	0.491
9.33	0.034	10.60	0.116	11.87	0.914	13.13	0.477
9.37	0.035	10.63	0.120	11.90	1.031	13.17	0.464
9.40	0.037	10.67	0.123	11.93	1.172	13.20	0.453
9.43	0.038	10.70	0.127	11.97	1.363	13.23	0.443
9.47	0.040	10.73	0.130	12.00	1.637	13.27	0.433
9.50	0.041	10.77	0.134	12.03	1.993	13.30	0.425
9.53	0.043	10.80	0.138	12.07	2.377	13.33	0.417
9.57	0.045	10.83	0.142	12.10	2.714	13.37	0.411
9.60	0.046	10.87	0.146	12.13	2.939	13.40	0.405
9.63	0.048	10.90	0.149	12.17	3.040	13.43	0.399
9.67	0.050	10.93	0.153	12.20	3.054 <<	13.47	0.394
9.70	0.051	10.97	0.158	12.23	3.019	13.50	0.389
9.73	0.053	11.00	0.162	12.27	2.957	13.53	0.385
9.77	0.055	11.03	0.166	12.30	2.869	13.57	0.380
9.80	0.056	11.07	0.170	12.33	2.757	13.60	0.376
9.83	0.058	11.10	0.176	12.37	2.623	13.63	0.372
9.87	0.060	11.13	0.181	12.40	2.468	13.67	0.367
9.90	0.062	11.17	0.188	12.43	2.295	13.70	0.363
9.93	0.064	11.20	0.195	12.47	2.106	13.73	0.358
9.97	0.066	11.23	0.203	12.50	1.904	13.77	0.354
10.00	0.067	11.27	0.212	12.53	1.696	13.80	0.350
10.03	0.069	11.30	0.221	12.57	1.497	13.83	0.345
10.07	0.071	11.33	0.231	12.60	1.325	13.87	0.341
10.10	0.073	11.37	0.241	12.63	1.184	13.90	0.336
10.13	0.076	11.40	0.252	12.67	1.071	13.93	0.332
10.17	0.078	11.43	0.264	12.70	0.974	13.97	0.327
10.20	0.080	11.47	0.276	12.73	0.891	14.00	0.323
10.23	0.083	11.50	0.289	12.77	0.818	14.03	0.318
10.27	0.085	11.53	0.303	12.80	0.756	14.07	0.314
10.30	0.088	11.57	0.321	12.83	0.703	14.10	0.310
10.33	0.091	11.60	0.346	12.87	0.658	14.13	0.306
10.37	0.094	11.63	0.380	12.90	0.621	14.17	0.302
10.40	0.097	11.67	0.425	12.93	0.590	14.20	0.299
10.43	0.100	11.70	0.480	12.97	0.564	14.23	0.295
10.47	0.103	11.73	0.546	13.00	0.542	14.27	0.292
10.50	0.106	11.77	0.623	13.03	0.523	14.30	0.289

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
14.33	0.287	16.17	0.164	18.00	0.106	19.83	0.085
14.37	0.284	16.20	0.163	18.03	0.105	19.87	0.085
14.40	0.282	16.23	0.161	18.07	0.104	19.90	0.084
14.43	0.279	16.27	0.159	18.10	0.103	19.93	0.084
14.47	0.277	16.30	0.158	18.13	0.102	19.97	0.084
14.50	0.275	16.33	0.157	18.17	0.102	20.00	0.083
14.53	0.272	16.37	0.156	18.20	0.101	20.03	0.083
14.57	0.270	16.40	0.154	18.23	0.100	20.07	0.083
14.60	0.268	16.43	0.153	18.27	0.100	20.10	0.082
14.63	0.266	16.47	0.152	18.30	0.099	20.13	0.082
14.67	0.264	16.50	0.151	18.33	0.099	20.17	0.082
14.70	0.262	16.53	0.150	18.37	0.098	20.20	0.082
14.73	0.260	16.57	0.149	18.40	0.098	20.23	0.081
14.77	0.257	16.60	0.148	18.43	0.097	20.27	0.081
14.80	0.255	16.63	0.147	18.47	0.097	20.30	0.081
14.83	0.253	16.67	0.146	18.50	0.097	20.33	0.080
14.87	0.251	16.70	0.145	18.53	0.096	20.37	0.080
14.90	0.249	16.73	0.144	18.57	0.096	20.40	0.080
14.93	0.246	16.77	0.143	18.60	0.096	20.43	0.079
14.97	0.244	16.80	0.142	18.63	0.096	20.47	0.079
15.00	0.242	16.83	0.141	18.67	0.095	20.50	0.079
15.03	0.240	16.87	0.140	18.70	0.095	20.53	0.078
15.07	0.238	16.90	0.139	18.73	0.095	20.57	0.078
15.10	0.236	16.93	0.138	18.77	0.094	20.60	0.078
15.13	0.233	16.97	0.137	18.80	0.094	20.63	0.078
15.17	0.231	17.00	0.136	18.83	0.094	20.67	0.077
15.20	0.229	17.03	0.135	18.87	0.094	20.70	0.077
15.23	0.227	17.07	0.134	18.90	0.093	20.73	0.077
15.27	0.224	17.10	0.133	18.93	0.093	20.77	0.076
15.30	0.222	17.13	0.132	18.97	0.093	20.80	0.076
15.33	0.220	17.17	0.131	19.00	0.092	20.83	0.076
15.37	0.218	17.20	0.130	19.03	0.092	20.87	0.075
15.40	0.216	17.23	0.129	19.07	0.092	20.90	0.075
15.43	0.213	17.27	0.128	19.10	0.091	20.93	0.075
15.47	0.211	17.30	0.127	19.13	0.091	20.97	0.075
15.50	0.209	17.33	0.126	19.17	0.091	21.00	0.074
15.53	0.207	17.37	0.125	19.20	0.091	21.03	0.074
15.57	0.204	17.40	0.124	19.23	0.090	21.07	0.074
15.60	0.202	17.43	0.123	19.27	0.090	21.10	0.073
15.63	0.200	17.47	0.122	19.30	0.090	21.13	0.073
15.67	0.198	17.50	0.121	19.33	0.089	21.17	0.073
15.70	0.195	17.53	0.120	19.37	0.089	21.20	0.072
15.73	0.193	17.57	0.119	19.40	0.089	21.23	0.072
15.77	0.191	17.60	0.118	19.43	0.088	21.27	0.072
15.80	0.188	17.63	0.117	19.47	0.088	21.30	0.071
15.83	0.186	17.67	0.116	19.50	0.088	21.33	0.071
15.87	0.184	17.70	0.115	19.53	0.088	21.37	0.071
15.90	0.182	17.73	0.114	19.57	0.087	21.40	0.071
15.93	0.179	17.77	0.113	19.60	0.087	21.43	0.070
15.97	0.177	17.80	0.112	19.63	0.087	21.47	0.070
16.00	0.175	17.83	0.111	19.67	0.086	21.50	0.070
16.03	0.173	17.87	0.110	19.70	0.086	21.53	0.069
16.07	0.170	17.90	0.109	19.73	0.086	21.57	0.069
16.10	0.168	17.93	0.108	19.77	0.085	21.60	0.069
16.13	0.166	17.97	0.107	19.80	0.085	21.63	0.068

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
21.67	0.068	23.50	0.059
21.70	0.068	23.53	0.059
21.73	0.067	23.57	0.058
21.77	0.067	23.60	0.058
21.80	0.067	23.63	0.058
21.83	0.067	23.67	0.058
21.87	0.066	23.70	0.057
21.90	0.066	23.73	0.057
21.93	0.066	23.77	0.057
21.97	0.065	23.80	0.057
22.00	0.065	23.83	0.056
22.03	0.069	23.87	0.056
22.07	0.073	23.90	0.056
22.10	0.077	23.93	0.056
22.13	0.081	23.97	0.056
22.17	0.080	24.00	0.055
22.20	0.079	24.03	0.054
22.23	0.078	24.07	0.050
22.27	0.077	24.10	0.046
22.30	0.076	24.13	0.040
22.33	0.075	24.17	0.034
22.37	0.074		
22.40	0.073	*...End*	
22.43	0.071		
22.47	0.070		
22.50	0.069		
22.53	0.068		
22.57	0.066		
22.60	0.065		
22.63	0.065		
22.67	0.065		
22.70	0.064		
22.73	0.064		
22.77	0.064		
22.80	0.064		
22.83	0.063		
22.87	0.063		
22.90	0.063		
22.93	0.063		
22.97	0.063		
23.00	0.062		
23.03	0.062		
23.07	0.062		
23.10	0.062		
23.13	0.061		
23.17	0.061		
23.20	0.061		
23.23	0.061		
23.27	0.060		
23.30	0.060		
23.33	0.060		
23.37	0.060		
23.40	0.060		
23.43	0.059		
23.47	0.059		

Hydrograph Report

Hyd. No. 3

AREA #7

Hydrograph type	= SCS Runoff	Peak discharge	= 0.568 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.40 hrs
Time interval	= 2 min	Hyd. volume	= 618 cuft
Drainage area	= 0.610 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 17.7 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.609 x 55)] / 0.610

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.57	0.007	12.83	0.306	14.10	0.103	15.37	0.074
11.60	0.009	12.87	0.281	14.13	0.101	15.40	0.073
11.63	0.011	12.90	0.260	14.17	0.100	15.43	0.073
11.67	0.014	12.93	0.241	14.20	0.099	15.47	0.072
11.70	0.018	12.97	0.226	14.23	0.098	15.50	0.071
11.73	0.024	13.00	0.212	14.27	0.097	15.53	0.070
11.77	0.031	13.03	0.200	14.30	0.096	15.57	0.070
11.80	0.039	13.07	0.189	14.33	0.095	15.60	0.069
11.83	0.049	13.10	0.179	14.37	0.094	15.63	0.068
11.87	0.062	13.13	0.170	14.40	0.093	15.67	0.068
11.90	0.076	13.17	0.163	14.43	0.093	15.70	0.067
11.93	0.095	13.20	0.156	14.47	0.092	15.73	0.066
11.97	0.120	13.23	0.151	14.50	0.091	15.77	0.066
12.00	0.155	13.27	0.146	14.53	0.090	15.80	0.065
12.03	0.201	13.30	0.142	14.57	0.089	15.83	0.064
12.07	0.256	13.33	0.139	14.60	0.089	15.87	0.064
12.10	0.316	13.37	0.136	14.63	0.088	15.90	0.063
12.13	0.375	13.40	0.134	14.67	0.087	15.93	0.062
12.17	0.430	13.43	0.132	14.70	0.087	15.97	0.061
12.20	0.476	13.47	0.129	14.73	0.086	16.00	0.061
12.23	0.508	13.50	0.127	14.77	0.085	16.03	0.060
12.27	0.531	13.53	0.126	14.80	0.085	16.07	0.059
12.30	0.547	13.57	0.124	14.83	0.084	16.10	0.059
12.33	0.558	13.60	0.122	14.87	0.084	16.13	0.058
12.37	0.566	13.63	0.121	14.90	0.083	16.17	0.057
12.40	0.568 <<	13.67	0.119	14.93	0.082	16.20	0.057
12.43	0.566	13.70	0.118	14.97	0.082	16.23	0.056
12.47	0.559	13.73	0.116	15.00	0.081	16.27	0.055
12.50	0.548	13.77	0.115	15.03	0.080	16.30	0.055
12.53	0.532	13.80	0.114	15.07	0.080	16.33	0.054
12.57	0.513	13.83	0.113	15.10	0.079	16.37	0.054
12.60	0.490	13.87	0.111	15.13	0.079	16.40	0.053
12.63	0.466	13.90	0.110	15.17	0.078	16.43	0.053
12.67	0.439	13.93	0.109	15.20	0.077	16.47	0.052
12.70	0.413	13.97	0.108	15.23	0.077	16.50	0.052
12.73	0.386	14.00	0.106	15.27	0.076	16.53	0.052
12.77	0.359	14.03	0.105	15.30	0.075	16.57	0.051
12.80	0.332	14.07	0.104	15.33	0.075	16.60	0.051

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AREA #7

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.63	0.051	18.47	0.034	20.30	0.028	22.13	0.025
16.67	0.050	18.50	0.034	20.33	0.028	22.17	0.026
16.70	0.050	18.53	0.033	20.37	0.028	22.20	0.027
16.73	0.050	18.57	0.033	20.40	0.028	22.23	0.026
16.77	0.049	18.60	0.033	20.43	0.028	22.27	0.026
16.80	0.049	18.63	0.033	20.47	0.028	22.30	0.026
16.83	0.049	18.67	0.033	20.50	0.028	22.33	0.026
16.87	0.048	18.70	0.033	20.53	0.028	22.37	0.026
16.90	0.048	18.73	0.033	20.57	0.027	22.40	0.026
16.93	0.048	18.77	0.033	20.60	0.027	22.43	0.025
16.97	0.047	18.80	0.033	20.63	0.027	22.47	0.025
17.00	0.047	18.83	0.032	20.67	0.027	22.50	0.025
17.03	0.047	18.87	0.032	20.70	0.027	22.53	0.025
17.07	0.046	18.90	0.032	20.73	0.027	22.57	0.025
17.10	0.046	18.93	0.032	20.77	0.027	22.60	0.024
17.13	0.046	18.97	0.032	20.80	0.027	22.63	0.024
17.17	0.045	19.00	0.032	20.83	0.027	22.67	0.024
17.20	0.045	19.03	0.032	20.87	0.027	22.70	0.024
17.23	0.045	19.07	0.032	20.90	0.026	22.73	0.024
17.27	0.044	19.10	0.032	20.93	0.026	22.77	0.023
17.30	0.044	19.13	0.032	20.97	0.026	22.80	0.023
17.33	0.044	19.17	0.032	21.00	0.026	22.83	0.023
17.37	0.044	19.20	0.031	21.03	0.026	22.87	0.023
17.40	0.043	19.23	0.031	21.07	0.026	22.90	0.022
17.43	0.043	19.27	0.031	21.10	0.026	22.93	0.022
17.47	0.043	19.30	0.031	21.13	0.026	22.97	0.022
17.50	0.042	19.33	0.031	21.17	0.026	23.00	0.022
17.53	0.042	19.37	0.031	21.20	0.026	23.03	0.022
17.57	0.042	19.40	0.031	21.23	0.025	23.07	0.022
17.60	0.041	19.43	0.031	21.27	0.025	23.10	0.022
17.63	0.041	19.47	0.031	21.30	0.025	23.13	0.022
17.67	0.041	19.50	0.031	21.33	0.025	23.17	0.022
17.70	0.040	19.53	0.030	21.37	0.025	23.20	0.022
17.73	0.040	19.57	0.030	21.40	0.025	23.23	0.022
17.77	0.040	19.60	0.030	21.43	0.025	23.27	0.022
17.80	0.039	19.63	0.030	21.47	0.025	23.30	0.021
17.83	0.039	19.67	0.030	21.50	0.025	23.33	0.021
17.87	0.039	19.70	0.030	21.53	0.025	23.37	0.021
17.90	0.038	19.73	0.030	21.57	0.024	23.40	0.021
17.93	0.038	19.77	0.030	21.60	0.024	23.43	0.021
17.97	0.038	19.80	0.030	21.63	0.024	23.47	0.021
18.00	0.037	19.83	0.030	21.67	0.024	23.50	0.021
18.03	0.037	19.87	0.030	21.70	0.024	23.53	0.021
18.07	0.037	19.90	0.029	21.73	0.024	23.57	0.021
18.10	0.036	19.93	0.029	21.77	0.024	23.60	0.021
18.13	0.036	19.97	0.029	21.80	0.024	23.63	0.021
18.17	0.036	20.00	0.029	21.83	0.024	23.67	0.021
18.20	0.035	20.03	0.029	21.87	0.023	23.70	0.020
18.23	0.035	20.07	0.029	21.90	0.023	23.73	0.020
18.27	0.035	20.10	0.029	21.93	0.023	23.77	0.020
18.30	0.035	20.13	0.029	21.97	0.023	23.80	0.020
18.33	0.034	20.17	0.029	22.00	0.023	23.83	0.020
18.37	0.034	20.20	0.029	22.03	0.024	23.87	0.020
18.40	0.034	20.23	0.028	22.07	0.024	23.90	0.020
18.43	0.034	20.27	0.028	22.10	0.025	23.93	0.020

Continues on next page...

AREA #7

Hydrograph Discharge Table

Time -- Outflow (hrs cfs)	
23.97	0.020
24.00	0.020
24.03	0.019
24.07	0.019
24.10	0.018
24.13	0.017
24.17	0.016
24.20	0.014
24.23	0.013
24.27	0.012
24.30	0.010
24.33	0.009
24.37	0.008
24.40	0.007
24.43	0.006

...End

Hydrograph Report

Hyd. No. 4

AREA #8

Hydrograph type	= SCS Runoff	Peak discharge	= 0.634 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.33 hrs
Time interval	= 2 min	Hyd. volume	= 643 cuft
Drainage area	= 0.620 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 15.9 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.164 x 55) + (0.451 x 55)] / 0.620

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.53	0.007	12.80	0.283	14.07	0.106	15.33	0.076
11.57	0.009	12.83	0.262	14.10	0.105	15.37	0.076
11.60	0.011	12.87	0.245	14.13	0.103	15.40	0.075
11.63	0.014	12.90	0.229	14.17	0.102	15.43	0.074
11.67	0.019	12.93	0.215	14.20	0.101	15.47	0.073
11.70	0.024	12.97	0.202	14.23	0.100	15.50	0.073
11.73	0.031	13.00	0.191	14.27	0.099	15.53	0.072
11.77	0.040	13.03	0.181	14.30	0.098	15.57	0.071
11.80	0.051	13.07	0.173	14.33	0.097	15.60	0.071
11.83	0.064	13.10	0.166	14.37	0.096	15.63	0.070
11.87	0.080	13.13	0.160	14.40	0.095	15.67	0.069
11.90	0.098	13.17	0.155	14.43	0.095	15.70	0.068
11.93	0.121	13.20	0.151	14.47	0.094	15.73	0.068
11.97	0.153	13.23	0.148	14.50	0.093	15.77	0.067
12.00	0.200	13.27	0.144	14.53	0.092	15.80	0.066
12.03	0.262	13.30	0.141	14.57	0.092	15.83	0.066
12.07	0.335	13.33	0.139	14.60	0.091	15.87	0.065
12.10	0.411	13.37	0.136	14.63	0.090	15.90	0.064
12.13	0.482	13.40	0.134	14.67	0.090	15.93	0.063
12.17	0.538	13.43	0.132	14.70	0.089	15.97	0.063
12.20	0.577	13.47	0.130	14.73	0.088	16.00	0.062
12.23	0.602	13.50	0.128	14.77	0.088	16.03	0.061
12.27	0.618	13.53	0.127	14.80	0.087	16.07	0.060
12.30	0.629	13.57	0.125	14.83	0.086	16.10	0.060
12.33	0.634 <<	13.60	0.124	14.87	0.086	16.13	0.059
12.37	0.633	13.63	0.122	14.90	0.085	16.17	0.058
12.40	0.626	13.67	0.121	14.93	0.084	16.20	0.058
12.43	0.614	13.70	0.120	14.97	0.084	16.23	0.057
12.47	0.596	13.73	0.119	15.00	0.083	16.27	0.056
12.50	0.572	13.77	0.117	15.03	0.082	16.30	0.056
12.53	0.544	13.80	0.116	15.07	0.082	16.33	0.055
12.57	0.512	13.83	0.115	15.10	0.081	16.37	0.055
12.60	0.477	13.87	0.114	15.13	0.080	16.40	0.055
12.63	0.441	13.90	0.112	15.17	0.080	16.43	0.054
12.67	0.405	13.93	0.111	15.20	0.079	16.47	0.054
12.70	0.369	13.97	0.110	15.23	0.078	16.50	0.053
12.73	0.336	14.00	0.108	15.27	0.078	16.53	0.053
12.77	0.307	14.03	0.107	15.30	0.077	16.57	0.053

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AREA #8

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.60	0.052	18.43	0.035	20.27	0.029	22.10	0.026
16.63	0.052	18.47	0.035	20.30	0.029	22.13	0.027
16.67	0.052	18.50	0.035	20.33	0.029	22.17	0.028
16.70	0.051	18.53	0.034	20.37	0.029	22.20	0.028
16.73	0.051	18.57	0.034	20.40	0.029	22.23	0.028
16.77	0.051	18.60	0.034	20.43	0.029	22.27	0.028
16.80	0.050	18.63	0.034	20.47	0.029	22.30	0.027
16.83	0.050	18.67	0.034	20.50	0.029	22.33	0.027
16.87	0.050	18.70	0.034	20.53	0.028	22.37	0.027
16.90	0.049	18.73	0.034	20.57	0.028	22.40	0.027
16.93	0.049	18.77	0.034	20.60	0.028	22.43	0.026
16.97	0.049	18.80	0.034	20.63	0.028	22.47	0.026
17.00	0.048	18.83	0.034	20.67	0.028	22.50	0.026
17.03	0.048	18.87	0.033	20.70	0.028	22.53	0.026
17.07	0.048	18.90	0.033	20.73	0.028	22.57	0.025
17.10	0.047	18.93	0.033	20.77	0.028	22.60	0.025
17.13	0.047	18.97	0.033	20.80	0.028	22.63	0.025
17.17	0.047	19.00	0.033	20.83	0.028	22.67	0.024
17.20	0.046	19.03	0.033	20.87	0.027	22.70	0.024
17.23	0.046	19.07	0.033	20.90	0.027	22.73	0.024
17.27	0.046	19.10	0.033	20.93	0.027	22.77	0.023
17.30	0.045	19.13	0.033	20.97	0.027	22.80	0.023
17.33	0.045	19.17	0.033	21.00	0.027	22.83	0.023
17.37	0.045	19.20	0.032	21.03	0.027	22.87	0.023
17.40	0.044	19.23	0.032	21.07	0.027	22.90	0.023
17.43	0.044	19.27	0.032	21.10	0.027	22.93	0.023
17.47	0.044	19.30	0.032	21.13	0.027	22.97	0.023
17.50	0.043	19.33	0.032	21.17	0.026	23.00	0.023
17.53	0.043	19.37	0.032	21.20	0.026	23.03	0.023
17.57	0.043	19.40	0.032	21.23	0.026	23.07	0.023
17.60	0.042	19.43	0.032	21.27	0.026	23.10	0.023
17.63	0.042	19.47	0.032	21.30	0.026	23.13	0.023
17.67	0.042	19.50	0.032	21.33	0.026	23.17	0.022
17.70	0.041	19.53	0.031	21.37	0.026	23.20	0.022
17.73	0.041	19.57	0.031	21.40	0.026	23.23	0.022
17.77	0.041	19.60	0.031	21.43	0.026	23.27	0.022
17.80	0.040	19.63	0.031	21.47	0.025	23.30	0.022
17.83	0.040	19.67	0.031	21.50	0.025	23.33	0.022
17.87	0.040	19.70	0.031	21.53	0.025	23.37	0.022
17.90	0.039	19.73	0.031	21.57	0.025	23.40	0.022
17.93	0.039	19.77	0.031	21.60	0.025	23.43	0.022
17.97	0.039	19.80	0.031	21.63	0.025	23.47	0.022
18.00	0.038	19.83	0.031	21.67	0.025	23.50	0.022
18.03	0.038	19.87	0.030	21.70	0.025	23.53	0.022
18.07	0.038	19.90	0.030	21.73	0.025	23.57	0.021
18.10	0.037	19.93	0.030	21.77	0.025	23.60	0.021
18.13	0.037	19.97	0.030	21.80	0.024	23.63	0.021
18.17	0.037	20.00	0.030	21.83	0.024	23.67	0.021
18.20	0.036	20.03	0.030	21.87	0.024	23.70	0.021
18.23	0.036	20.07	0.030	21.90	0.024	23.73	0.021
18.27	0.036	20.10	0.030	21.93	0.024	23.77	0.021
18.30	0.036	20.13	0.030	21.97	0.024	23.80	0.021
18.33	0.035	20.17	0.030	22.00	0.024	23.83	0.021
18.37	0.035	20.20	0.029	22.03	0.025	23.87	0.021
18.40	0.035	20.23	0.029	22.07	0.025	23.90	0.021

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AREA #8

Hydrograph Discharge Table

Time -- Outflow (hrs cfs)	
23.93	0.021
23.97	0.020
24.00	0.020
24.03	0.020
24.07	0.019
24.10	0.018
24.13	0.017
24.17	0.015
24.20	0.013
24.23	0.012
24.27	0.010
24.30	0.009
24.33	0.008
24.37	0.006

...End

Hydrograph Report

Hyd. No. 5

TOTAL EX. BYPASS FLOW

Hydrograph type	= Combine	Peak discharge	= 20.61 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.43 hrs
Time interval	= 2 min	Hyd. volume	= 35,559 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 19.080 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
10.83	0.080	0.142	0.000	0.000	0.221
10.87	0.094	0.146	0.000	0.000	0.240
10.90	0.110	0.149	0.000	0.000	0.259
10.93	0.127	0.153	0.000	0.000	0.280
10.97	0.145	0.158	0.000	0.000	0.303
11.00	0.164	0.162	0.000	0.000	0.326
11.03	0.185	0.166	0.000	0.000	0.351
11.07	0.207	0.170	0.000	0.000	0.378
11.10	0.231	0.176	0.000	0.000	0.407
11.13	0.256	0.181	0.000	0.000	0.438
11.17	0.284	0.188	0.000	0.000	0.471
11.20	0.313	0.195	0.000	0.000	0.508
11.23	0.344	0.203	0.000	0.000	0.547
11.27	0.378	0.212	0.000	0.000	0.590
11.30	0.414	0.221	0.000	0.000	0.636
11.33	0.454	0.231	0.001	0.001	0.686
11.37	0.496	0.241	0.001	0.001	0.740
11.40	0.541	0.252	0.001	0.002	0.797
11.43	0.590	0.264	0.002	0.003	0.859
11.47	0.642	0.276	0.003	0.004	0.925
11.50	0.697	0.289	0.004	0.005	0.995
11.53	0.757	0.303	0.005	0.007	1.072
11.57	0.824	0.321	0.007	0.009	1.161
11.60	0.902	0.346	0.009	0.011	1.268
11.63	0.994	0.380	0.011	0.014	1.400
11.67	1.104	0.425	0.014	0.019	1.562
11.70	1.237	0.480	0.018	0.024	1.760
11.73	1.397	0.546	0.024	0.031	1.999
11.77	1.591	0.623	0.031	0.040	2.284
11.80	1.824	0.710	0.039	0.051	2.623
11.83	2.102	0.807	0.049	0.064	3.022
11.87	2.429	0.914	0.062	0.080	3.485
11.90	2.810	1.031	0.076	0.098	4.016
11.93	3.269	1.172	0.095	0.121	4.657
11.97	3.858	1.363	0.120	0.153	5.494
12.00	4.636	1.637	0.155	0.200	6.627
12.03	5.617	1.993	0.201	0.262	8.073
12.07	6.749	2.377	0.256	0.335	9.717
12.10	7.968	2.714	0.316	0.411	11.41
12.13	9.233	2.939	0.375	0.482	13.03
12.17	10.53	3.040	0.430	0.538	14.53
12.20	11.83	3.054 <<	0.476	0.577	15.94
12.23	13.10	3.019	0.508	0.602	17.23
12.27	14.26	2.957	0.531	0.618	18.37

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
12.30	15.21	2.869	0.547	0.629	19.26
12.33	15.92	2.757	0.558	0.634 <<	19.87
12.37	16.44	2.623	0.566	0.633	20.27
12.40	16.84	2.468	0.568 <<	0.626	20.50
12.43	17.13	2.295	0.566	0.614	20.61 <<
12.47	17.33	2.106	0.559	0.596	20.59
12.50	17.42	1.904	0.548	0.572	20.45
12.53	17.42 <<	1.696	0.532	0.544	20.20
12.57	17.34	1.497	0.513	0.512	19.86
12.60	17.17	1.325	0.490	0.477	19.46
12.63	16.93	1.184	0.466	0.441	19.02
12.67	16.63	1.071	0.439	0.405	18.55
12.70	16.28	0.974	0.413	0.369	18.04
12.73	15.89	0.891	0.386	0.336	17.50
12.77	15.47	0.818	0.359	0.307	16.95
12.80	15.03	0.756	0.332	0.283	16.40
12.83	14.57	0.703	0.306	0.262	15.84
12.87	14.09	0.658	0.281	0.245	15.28
12.90	13.61	0.621	0.260	0.229	14.72
12.93	13.11	0.590	0.241	0.215	14.15
12.97	12.59	0.564	0.226	0.202	13.59
13.00	12.07	0.542	0.212	0.191	13.02
13.03	11.54	0.523	0.200	0.181	12.44
13.07	11.00	0.507	0.189	0.173	11.87
13.10	10.46	0.491	0.179	0.166	11.30
13.13	9.918	0.477	0.170	0.160	10.73
13.17	9.377	0.464	0.163	0.155	10.16
13.20	8.841	0.453	0.156	0.151	9.601
13.23	8.314	0.443	0.151	0.148	9.054
13.27	7.798	0.433	0.146	0.144	8.522
13.30	7.304	0.425	0.142	0.141	8.012
13.33	6.847	0.417	0.139	0.139	7.543
13.37	6.447	0.411	0.136	0.136	7.131
13.40	6.110	0.405	0.134	0.134	6.783
13.43	5.824	0.399	0.132	0.132	6.486
13.47	5.572	0.394	0.129	0.130	6.225
13.50	5.346	0.389	0.127	0.128	5.991
13.53	5.144	0.385	0.126	0.127	5.781
13.57	4.966	0.380	0.124	0.125	5.595
13.60	4.808	0.376	0.122	0.124	5.430
13.63	4.670	0.372	0.121	0.122	5.285
13.67	4.550	0.367	0.119	0.121	5.157
13.70	4.444	0.363	0.118	0.120	5.045
13.73	4.352	0.358	0.116	0.119	4.945
13.77	4.270	0.354	0.115	0.117	4.857
13.80	4.197	0.350	0.114	0.116	4.777
13.83	4.131	0.345	0.113	0.115	4.703
13.87	4.068	0.341	0.111	0.114	4.633
13.90	4.007	0.336	0.110	0.112	4.566
13.93	3.949	0.332	0.109	0.111	4.501
13.97	3.893	0.327	0.108	0.110	4.438
14.00	3.839	0.323	0.106	0.108	4.377
14.03	3.787	0.318	0.105	0.107	4.317
14.07	3.736	0.314	0.104	0.106	4.260
14.10	3.687	0.310	0.103	0.105	4.204
14.13	3.640	0.306	0.101	0.103	4.151

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
14.17	3.595	0.302	0.100	0.102	4.100
14.20	3.552	0.299	0.099	0.101	4.050
14.23	3.509	0.295	0.098	0.100	4.003
14.27	3.469	0.292	0.097	0.099	3.957
14.30	3.430	0.289	0.096	0.098	3.913
14.33	3.392	0.287	0.095	0.097	3.871
14.37	3.356	0.284	0.094	0.096	3.830
14.40	3.320	0.282	0.093	0.095	3.790
14.43	3.285	0.279	0.093	0.095	3.752
14.47	3.252	0.277	0.092	0.094	3.714
14.50	3.219	0.275	0.091	0.093	3.677
14.53	3.187	0.272	0.090	0.092	3.642
14.57	3.156	0.270	0.089	0.092	3.607
14.60	3.125	0.268	0.089	0.091	3.573
14.63	3.095	0.266	0.088	0.090	3.540
14.67	3.066	0.264	0.087	0.090	3.507
14.70	3.038	0.262	0.087	0.089	3.476
14.73	3.010	0.260	0.086	0.088	3.445
14.77	2.983	0.257	0.085	0.088	3.414
14.80	2.957	0.255	0.085	0.087	3.384
14.83	2.931	0.253	0.084	0.086	3.355
14.87	2.906	0.251	0.084	0.086	3.326
14.90	2.881	0.249	0.083	0.085	3.297
14.93	2.856	0.246	0.082	0.084	3.269
14.97	2.832	0.244	0.082	0.084	3.242
15.00	2.808	0.242	0.081	0.083	3.215
15.03	2.785	0.240	0.080	0.082	3.188
15.07	2.762	0.238	0.080	0.082	3.161
15.10	2.739	0.236	0.079	0.081	3.134
15.13	2.716	0.233	0.079	0.080	3.108
15.17	2.693	0.231	0.078	0.080	3.082
15.20	2.671	0.229	0.077	0.079	3.056
15.23	2.649	0.227	0.077	0.078	3.030
15.27	2.626	0.224	0.076	0.078	3.004
15.30	2.604	0.222	0.075	0.077	2.979
15.33	2.582	0.220	0.075	0.076	2.953
15.37	2.560	0.218	0.074	0.076	2.927
15.40	2.537	0.216	0.073	0.075	2.901
15.43	2.515	0.213	0.073	0.074	2.875
15.47	2.492	0.211	0.072	0.073	2.848
15.50	2.469	0.209	0.071	0.073	2.822
15.53	2.447	0.207	0.070	0.072	2.796
15.57	2.424	0.204	0.070	0.071	2.769
15.60	2.401	0.202	0.069	0.071	2.743
15.63	2.378	0.200	0.068	0.070	2.716
15.67	2.355	0.198	0.068	0.069	2.690
15.70	2.332	0.195	0.067	0.068	2.663
15.73	2.309	0.193	0.066	0.068	2.636
15.77	2.286	0.191	0.066	0.067	2.609
15.80	2.263	0.188	0.065	0.066	2.582
15.83	2.239	0.186	0.064	0.066	2.555
15.87	2.216	0.184	0.064	0.065	2.528
15.90	2.192	0.182	0.063	0.064	2.501
15.93	2.169	0.179	0.062	0.063	2.474
15.97	2.145	0.177	0.061	0.063	2.446
16.00	2.122	0.175	0.061	0.062	2.419

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
16.03	2.098	0.173	0.060	0.061	2.391
16.07	2.074	0.170	0.059	0.060	2.364
16.10	2.051	0.168	0.059	0.060	2.337
16.13	2.028	0.166	0.058	0.059	2.310
16.17	2.005	0.164	0.057	0.058	2.284
16.20	1.982	0.163	0.057	0.058	2.259
16.23	1.960	0.161	0.056	0.057	2.234
16.27	1.938	0.159	0.055	0.056	2.210
16.30	1.917	0.158	0.055	0.056	2.186
16.33	1.897	0.157	0.054	0.055	2.164
16.37	1.877	0.156	0.054	0.055	2.142
16.40	1.858	0.154	0.053	0.055	2.121
16.43	1.840	0.153	0.053	0.054	2.100
16.47	1.822	0.152	0.052	0.054	2.080
16.50	1.805	0.151	0.052	0.053	2.061
16.53	1.788	0.150	0.052	0.053	2.042
16.57	1.771	0.149	0.051	0.053	2.024
16.60	1.755	0.148	0.051	0.052	2.007
16.63	1.740	0.147	0.051	0.052	1.990
16.67	1.725	0.146	0.050	0.052	1.973
16.70	1.711	0.145	0.050	0.051	1.957
16.73	1.696	0.144	0.050	0.051	1.941
16.77	1.683	0.143	0.049	0.051	1.926
16.80	1.669	0.142	0.049	0.050	1.911
16.83	1.656	0.141	0.049	0.050	1.896
16.87	1.643	0.140	0.048	0.050	1.882
16.90	1.631	0.139	0.048	0.049	1.868
16.93	1.619	0.138	0.048	0.049	1.854
16.97	1.607	0.137	0.047	0.049	1.840
17.00	1.595	0.136	0.047	0.048	1.827
17.03	1.584	0.135	0.047	0.048	1.814
17.07	1.572	0.134	0.046	0.048	1.801
17.10	1.561	0.133	0.046	0.047	1.788
17.13	1.550	0.132	0.046	0.047	1.775
17.17	1.540	0.131	0.045	0.047	1.763
17.20	1.529	0.130	0.045	0.046	1.751
17.23	1.518	0.129	0.045	0.046	1.738
17.27	1.508	0.128	0.044	0.046	1.726
17.30	1.497	0.127	0.044	0.045	1.714
17.33	1.486	0.126	0.044	0.045	1.702
17.37	1.476	0.125	0.044	0.045	1.689
17.40	1.465	0.124	0.043	0.044	1.677
17.43	1.455	0.123	0.043	0.044	1.665
17.47	1.444	0.122	0.043	0.044	1.653
17.50	1.433	0.121	0.042	0.043	1.640
17.53	1.423	0.120	0.042	0.043	1.628
17.57	1.412	0.119	0.042	0.043	1.616
17.60	1.401	0.118	0.041	0.042	1.603
17.63	1.391	0.117	0.041	0.042	1.591
17.67	1.380	0.116	0.041	0.042	1.579
17.70	1.369	0.115	0.040	0.041	1.566
17.73	1.359	0.114	0.040	0.041	1.554
17.77	1.348	0.113	0.040	0.041	1.541
17.80	1.337	0.112	0.039	0.040	1.529
17.83	1.326	0.111	0.039	0.040	1.516
17.87	1.316	0.110	0.039	0.040	1.504

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
17.90	1.305	0.109	0.038	0.039	1.491
17.93	1.294	0.108	0.038	0.039	1.479
17.97	1.283	0.107	0.038	0.039	1.466
18.00	1.272	0.106	0.037	0.038	1.454
18.03	1.261	0.105	0.037	0.038	1.441
18.07	1.251	0.104	0.037	0.038	1.429
18.10	1.240	0.103	0.036	0.037	1.417
18.13	1.229	0.102	0.036	0.037	1.405
18.17	1.219	0.102	0.036	0.037	1.393
18.20	1.209	0.101	0.035	0.036	1.382
18.23	1.199	0.100	0.035	0.036	1.370
18.27	1.189	0.100	0.035	0.036	1.360
18.30	1.180	0.099	0.035	0.036	1.350
18.33	1.171	0.099	0.034	0.035	1.340
18.37	1.163	0.098	0.034	0.035	1.331
18.40	1.155	0.098	0.034	0.035	1.322
18.43	1.147	0.097	0.034	0.035	1.313
18.47	1.140	0.097	0.034	0.035	1.305
18.50	1.132	0.097	0.034	0.035	1.297
18.53	1.126	0.096	0.033	0.034	1.290
18.57	1.119	0.096	0.033	0.034	1.283
18.60	1.113	0.096	0.033	0.034	1.276
18.63	1.107	0.096	0.033	0.034	1.270
18.67	1.101	0.095	0.033	0.034	1.263
18.70	1.096	0.095	0.033	0.034	1.257
18.73	1.090	0.095	0.033	0.034	1.252
18.77	1.085	0.094	0.033	0.034	1.246
18.80	1.080	0.094	0.033	0.034	1.241
18.83	1.076	0.094	0.032	0.034	1.236
18.87	1.071	0.094	0.032	0.033	1.231
18.90	1.067	0.093	0.032	0.033	1.226
18.93	1.063	0.093	0.032	0.033	1.221
18.97	1.059	0.093	0.032	0.033	1.217
19.00	1.055	0.092	0.032	0.033	1.212
19.03	1.051	0.092	0.032	0.033	1.208
19.07	1.048	0.092	0.032	0.033	1.204
19.10	1.044	0.091	0.032	0.033	1.200
19.13	1.041	0.091	0.032	0.033	1.196
19.17	1.037	0.091	0.032	0.033	1.192
19.20	1.034	0.091	0.031	0.032	1.188
19.23	1.031	0.090	0.031	0.032	1.185
19.27	1.028	0.090	0.031	0.032	1.181
19.30	1.024	0.090	0.031	0.032	1.177
19.33	1.021	0.089	0.031	0.032	1.174
19.37	1.018	0.089	0.031	0.032	1.170
19.40	1.015	0.089	0.031	0.032	1.166
19.43	1.012	0.088	0.031	0.032	1.163
19.47	1.009	0.088	0.031	0.032	1.159
19.50	1.005	0.088	0.031	0.032	1.155
19.53	1.002	0.088	0.030	0.031	1.152
19.57	0.999	0.087	0.030	0.031	1.148
19.60	0.996	0.087	0.030	0.031	1.144
19.63	0.993	0.087	0.030	0.031	1.141
19.67	0.990	0.086	0.030	0.031	1.137
19.70	0.986	0.086	0.030	0.031	1.133
19.73	0.983	0.086	0.030	0.031	1.130

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
19.77	0.980	0.085	0.030	0.031	1.126
19.80	0.977	0.085	0.030	0.031	1.122
19.83	0.974	0.085	0.030	0.031	1.119
19.87	0.970	0.085	0.030	0.030	1.115
19.90	0.967	0.084	0.029	0.030	1.111
19.93	0.964	0.084	0.029	0.030	1.108
19.97	0.961	0.084	0.029	0.030	1.104
20.00	0.958	0.083	0.029	0.030	1.100
20.03	0.954	0.083	0.029	0.030	1.096
20.07	0.951	0.083	0.029	0.030	1.093
20.10	0.948	0.082	0.029	0.030	1.089
20.13	0.945	0.082	0.029	0.030	1.085
20.17	0.941	0.082	0.029	0.030	1.082
20.20	0.938	0.082	0.029	0.029	1.078
20.23	0.935	0.081	0.028	0.029	1.074
20.27	0.932	0.081	0.028	0.029	1.070
20.30	0.929	0.081	0.028	0.029	1.067
20.33	0.925	0.080	0.028	0.029	1.063
20.37	0.922	0.080	0.028	0.029	1.059
20.40	0.919	0.080	0.028	0.029	1.055
20.43	0.916	0.079	0.028	0.029	1.052
20.47	0.912	0.079	0.028	0.029	1.048
20.50	0.909	0.079	0.028	0.029	1.044
20.53	0.906	0.078	0.028	0.028	1.040
20.57	0.903	0.078	0.027	0.028	1.036
20.60	0.899	0.078	0.027	0.028	1.033
20.63	0.896	0.078	0.027	0.028	1.029
20.67	0.893	0.077	0.027	0.028	1.025
20.70	0.889	0.077	0.027	0.028	1.021
20.73	0.886	0.077	0.027	0.028	1.018
20.77	0.883	0.076	0.027	0.028	1.014
20.80	0.880	0.076	0.027	0.028	1.010
20.83	0.876	0.076	0.027	0.028	1.006
20.87	0.873	0.075	0.027	0.027	1.002
20.90	0.870	0.075	0.026	0.027	0.999
20.93	0.867	0.075	0.026	0.027	0.995
20.97	0.863	0.075	0.026	0.027	0.991
21.00	0.860	0.074	0.026	0.027	0.987
21.03	0.857	0.074	0.026	0.027	0.983
21.07	0.853	0.074	0.026	0.027	0.980
21.10	0.850	0.073	0.026	0.027	0.976
21.13	0.847	0.073	0.026	0.027	0.972
21.17	0.843	0.073	0.026	0.026	0.968
21.20	0.840	0.072	0.026	0.026	0.964
21.23	0.837	0.072	0.025	0.026	0.961
21.27	0.833	0.072	0.025	0.026	0.957
21.30	0.830	0.071	0.025	0.026	0.953
21.33	0.827	0.071	0.025	0.026	0.949
21.37	0.824	0.071	0.025	0.026	0.945
21.40	0.820	0.071	0.025	0.026	0.941
21.43	0.817	0.070	0.025	0.026	0.938
21.47	0.814	0.070	0.025	0.025	0.934
21.50	0.810	0.070	0.025	0.025	0.930
21.53	0.807	0.069	0.025	0.025	0.926
21.57	0.804	0.069	0.024	0.025	0.922
21.60	0.800	0.069	0.024	0.025	0.918

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
21.63	0.797	0.068	0.024	0.025	0.914
21.67	0.793	0.068	0.024	0.025	0.911
21.70	0.790	0.068	0.024	0.025	0.907
21.73	0.787	0.067	0.024	0.025	0.903
21.77	0.783	0.067	0.024	0.025	0.899
21.80	0.780	0.067	0.024	0.024	0.895
21.83	0.777	0.067	0.024	0.024	0.891
21.87	0.773	0.066	0.023	0.024	0.887
21.90	0.770	0.066	0.023	0.024	0.883
21.93	0.767	0.066	0.023	0.024	0.880
21.97	0.763	0.065	0.023	0.024	0.876
22.00	0.760	0.065	0.023	0.024	0.872
22.03	0.765	0.069	0.024	0.025	0.882
22.07	0.771	0.073	0.024	0.025	0.894
22.10	0.777	0.077	0.025	0.026	0.905
22.13	0.784	0.081	0.025	0.027	0.917
22.17	0.791	0.080	0.026	0.028	0.925
22.20	0.798	0.079	0.027	0.028	0.931
22.23	0.805	0.078	0.026	0.028	0.937
22.27	0.813	0.077	0.026	0.028	0.943
22.30	0.821	0.076	0.026	0.027	0.950
22.33	0.818	0.075	0.026	0.027	0.945
22.37	0.815	0.074	0.026	0.027	0.941
22.40	0.811	0.073	0.026	0.027	0.936
22.43	0.808	0.071	0.025	0.026	0.931
22.47	0.805	0.070	0.025	0.026	0.927
22.50	0.802	0.069	0.025	0.026	0.922
22.53	0.798	0.068	0.025	0.026	0.916
22.57	0.795	0.066	0.025	0.025	0.911
22.60	0.792	0.065	0.024	0.025	0.906
22.63	0.788	0.065	0.024	0.025	0.902
22.67	0.785	0.065	0.024	0.024	0.898
22.70	0.781	0.064	0.024	0.024	0.893
22.73	0.777	0.064	0.024	0.024	0.889
22.77	0.774	0.064	0.023	0.023	0.884
22.80	0.770	0.064	0.023	0.023	0.880
22.83	0.766	0.063	0.023	0.023	0.876
22.87	0.762	0.063	0.023	0.023	0.871
22.90	0.758	0.063	0.022	0.023	0.867
22.93	0.754	0.063	0.022	0.023	0.862
22.97	0.750	0.063	0.022	0.023	0.858
23.00	0.746	0.062	0.022	0.023	0.853
23.03	0.742	0.062	0.022	0.023	0.849
23.07	0.738	0.062	0.022	0.023	0.844
23.10	0.733	0.062	0.022	0.023	0.839
23.13	0.729	0.061	0.022	0.023	0.835
23.17	0.724	0.061	0.022	0.022	0.830
23.20	0.720	0.061	0.022	0.022	0.825
23.23	0.715	0.061	0.022	0.022	0.820
23.27	0.711	0.060	0.022	0.022	0.815
23.30	0.706	0.060	0.021	0.022	0.809
23.33	0.701	0.060	0.021	0.022	0.804
23.37	0.696	0.060	0.021	0.022	0.799
23.40	0.693	0.060	0.021	0.022	0.796
23.43	0.691	0.059	0.021	0.022	0.793
23.47	0.688	0.059	0.021	0.022	0.790

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
23.50	0.686	0.059	0.021	0.022	0.787
23.53	0.683	0.059	0.021	0.022	0.784
23.57	0.681	0.058	0.021	0.021	0.781
23.60	0.678	0.058	0.021	0.021	0.778
23.63	0.676	0.058	0.021	0.021	0.775
23.67	0.673	0.058	0.021	0.021	0.772
23.70	0.670	0.057	0.020	0.021	0.769
23.73	0.668	0.057	0.020	0.021	0.767
23.77	0.665	0.057	0.020	0.021	0.764
23.80	0.663	0.057	0.020	0.021	0.761
23.83	0.660	0.056	0.020	0.021	0.758
23.87	0.658	0.056	0.020	0.021	0.755
23.90	0.655	0.056	0.020	0.021	0.752
23.93	0.653	0.056	0.020	0.021	0.749
23.97	0.650	0.056	0.020	0.020	0.746
24.00	0.647	0.055	0.020	0.020	0.743
24.03	0.642	0.054	0.019	0.020	0.735
24.07	0.632	0.050	0.019	0.019	0.721
24.10	0.620	0.046	0.018	0.018	0.702
24.13	0.605	0.040	0.017	0.017	0.678
24.17	0.586	0.034	0.016	0.015	0.650
24.20	0.564	0.029	0.014	0.013	0.620
24.23	0.538	0.024	0.013	0.012	0.587
24.27	0.510	0.019	0.012	0.010	0.551
24.30	0.479	0.016	0.010	0.009	0.513
24.33	0.448	0.012	0.009	0.008	0.477
24.37	0.419	0.009	0.008	0.006	0.442
24.40	0.390	0.006	0.007	0.005	0.409
24.43	0.363	0.004	0.006	0.004	0.378
24.47	0.336	0.003	0.005	0.003	0.348
24.50	0.311	0.001	0.004	0.003	0.319
24.53	0.287	0.000	0.004	0.002	0.293
24.57	0.263	0.000	0.003	0.001	0.268
24.60	0.241	0.000	0.002	0.001	0.245
24.63	0.220	0.000	0.002	0.001	0.222

...End

Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	31.01	2	750	223,433	----	------	------	AREA #1
2	SCS Runoff	4.728	2	730	22,486	----	------	------	AREA #4
3	SCS Runoff	1.109	2	742	6,581	----	------	------	AREA #7
4	SCS Runoff	1.238	2	738	6,838	----	------	------	AREA #8
5	Combine	36.50	2	746	259,337	1, 2, 3, 4	------	------	TOTAL EX. BYPASS FLOW

Hydrograph Report

Hyd. No. 1

AREA #1

Hydrograph type	= SCS Runoff	Peak discharge	= 31.01 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.50 hrs
Time interval	= 2 min	Hyd. volume	= 29,520 cuft
Drainage area	= 16.650 ac	Curve number	= 61*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 27.6 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(3.690 x 70) + (10.440 x 55) + (2.467 x 70) + (0.036 x 98) + (0.012 x 55)] / 16.650

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
10.20	0.326	11.47	2.253	12.73	27.57	14.00	6.092
10.23	0.351	11.50	2.365	12.77	26.76	14.03	6.006
10.27	0.377	11.53	2.487	12.80	25.91	14.07	5.923
10.30	0.404	11.57	2.624	12.83	25.03	14.10	5.843
10.33	0.432	11.60	2.783	12.87	24.14	14.13	5.765
10.37	0.461	11.63	2.972	12.90	23.23	14.17	5.691
10.40	0.492	11.67	3.198	12.93	22.29	14.20	5.619
10.43	0.523	11.70	3.471	12.97	21.35	14.23	5.550
10.47	0.556	11.73	3.800	13.00	20.39	14.27	5.483
10.50	0.589	11.77	4.195	13.03	19.42	14.30	5.419
10.53	0.624	11.80	4.666	13.07	18.44	14.33	5.357
10.57	0.659	11.83	5.223	13.10	17.47	14.37	5.297
10.60	0.696	11.87	5.870	13.13	16.50	14.40	5.239
10.63	0.733	11.90	6.611	13.17	15.54	14.43	5.182
10.67	0.772	11.93	7.490	13.20	14.59	14.47	5.126
10.70	0.812	11.97	8.595	13.23	13.66	14.50	5.073
10.73	0.853	12.00	10.03	13.27	12.76	14.53	5.020
10.77	0.895	12.03	11.80	13.30	11.91	14.57	4.969
10.80	0.938	12.07	13.81	13.33	11.12	14.60	4.919
10.83	0.982	12.10	15.95	13.37	10.44	14.63	4.870
10.87	1.027	12.13	18.14	13.40	9.873	14.67	4.823
10.90	1.073	12.17	20.35	13.43	9.391	14.70	4.777
10.93	1.121	12.20	22.56	13.47	8.970	14.73	4.731
10.97	1.170	12.23	24.68	13.50	8.592	14.77	4.687
11.00	1.219	12.27	26.58	13.53	8.257	14.80	4.644
11.03	1.270	12.30	28.09	13.57	7.960	14.83	4.602
11.07	1.323	12.33	29.17	13.60	7.699	14.87	4.560
11.10	1.378	12.37	29.91	13.63	7.470	14.90	4.519
11.13	1.436	12.40	30.44	13.67	7.270	14.93	4.479
11.17	1.497	12.43	30.79	13.70	7.095	14.97	4.440
11.20	1.561	12.47	30.99	13.73	6.942	15.00	4.401
11.23	1.629	12.50	31.01 <<	13.77	6.807	15.03	4.363
11.27	1.702	12.53	30.88	13.80	6.686	15.07	4.325
11.30	1.779	12.57	30.60	13.83	6.575	15.10	4.288
11.33	1.863	12.60	30.19	13.87	6.471	15.13	4.251
11.37	1.952	12.63	29.67	13.90	6.371	15.17	4.215
11.40	2.046	12.67	29.05	13.93	6.275	15.20	4.178
11.43	2.146	12.70	28.34	13.97	6.182	15.23	4.142

Continues on next page...

AREA #1

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
15.27	4.106	17.10	2.414	18.93	1.633	20.77	1.350
15.30	4.070	17.13	2.396	18.97	1.626	20.80	1.345
15.33	4.034	17.17	2.379	19.00	1.620	20.83	1.340
15.37	3.998	17.20	2.362	19.03	1.614	20.87	1.335
15.40	3.962	17.23	2.345	19.07	1.609	20.90	1.330
15.43	3.926	17.27	2.329	19.10	1.603	20.93	1.325
15.47	3.890	17.30	2.312	19.13	1.598	20.97	1.320
15.50	3.853	17.33	2.295	19.17	1.593	21.00	1.315
15.53	3.817	17.37	2.279	19.20	1.587	21.03	1.310
15.57	3.780	17.40	2.262	19.23	1.582	21.07	1.304
15.60	3.744	17.43	2.246	19.27	1.577	21.10	1.299
15.63	3.707	17.47	2.229	19.30	1.572	21.13	1.294
15.67	3.670	17.50	2.212	19.33	1.567	21.17	1.289
15.70	3.634	17.53	2.195	19.37	1.562	21.20	1.284
15.73	3.597	17.57	2.179	19.40	1.557	21.23	1.279
15.77	3.560	17.60	2.162	19.43	1.552	21.27	1.274
15.80	3.523	17.63	2.145	19.47	1.547	21.30	1.268
15.83	3.486	17.67	2.128	19.50	1.542	21.33	1.263
15.87	3.448	17.70	2.112	19.53	1.537	21.37	1.258
15.90	3.411	17.73	2.095	19.57	1.532	21.40	1.253
15.93	3.374	17.77	2.078	19.60	1.527	21.43	1.248
15.97	3.336	17.80	2.061	19.63	1.522	21.47	1.243
16.00	3.299	17.83	2.044	19.67	1.517	21.50	1.237
16.03	3.261	17.87	2.028	19.70	1.512	21.53	1.232
16.07	3.224	17.90	2.011	19.73	1.507	21.57	1.227
16.10	3.187	17.93	1.994	19.77	1.502	21.60	1.222
16.13	3.150	17.97	1.977	19.80	1.497	21.63	1.217
16.17	3.114	18.00	1.960	19.83	1.492	21.67	1.212
16.20	3.078	18.03	1.943	19.87	1.487	21.70	1.206
16.23	3.043	18.07	1.926	19.90	1.482	21.73	1.201
16.27	3.009	18.10	1.909	19.93	1.477	21.77	1.196
16.30	2.976	18.13	1.893	19.97	1.472	21.80	1.191
16.33	2.944	18.17	1.877	20.00	1.467	21.83	1.186
16.37	2.913	18.20	1.861	20.03	1.462	21.87	1.180
16.40	2.883	18.23	1.846	20.07	1.457	21.90	1.175
16.43	2.853	18.27	1.831	20.10	1.452	21.93	1.170
16.47	2.825	18.30	1.816	20.13	1.447	21.97	1.165
16.50	2.798	18.33	1.803	20.17	1.442	22.00	1.160
16.53	2.771	18.37	1.789	20.20	1.437	22.03	1.168
16.57	2.745	18.40	1.777	20.23	1.432	22.07	1.177
16.60	2.720	18.43	1.765	20.27	1.427	22.10	1.186
16.63	2.696	18.47	1.753	20.30	1.422	22.13	1.196
16.67	2.672	18.50	1.742	20.33	1.417	22.17	1.206
16.70	2.649	18.53	1.731	20.37	1.412	22.20	1.217
16.73	2.627	18.57	1.721	20.40	1.406	22.23	1.228
16.77	2.605	18.60	1.711	20.43	1.401	22.27	1.239
16.80	2.584	18.63	1.702	20.47	1.396	22.30	1.252
16.83	2.563	18.67	1.693	20.50	1.391	22.33	1.247
16.87	2.543	18.70	1.684	20.53	1.386	22.37	1.242
16.90	2.523	18.73	1.676	20.57	1.381	22.40	1.237
16.93	2.504	18.77	1.668	20.60	1.376	22.43	1.232
16.97	2.485	18.80	1.660	20.63	1.371	22.47	1.227
17.00	2.467	18.83	1.653	20.67	1.366	22.50	1.222
17.03	2.449	18.87	1.646	20.70	1.361	22.53	1.217
17.07	2.431	18.90	1.639	20.73	1.356	22.57	1.212

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AREA #1

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
22.60	1.207	24.43	0.552
22.63	1.201	24.47	0.511
22.67	1.196	24.50	0.473
22.70	1.190	24.53	0.436
22.73	1.185	24.57	0.400
22.77	1.179	24.60	0.367
22.80	1.173	24.63	0.334
22.83	1.167		
22.87	1.161	*...End*	
22.90	1.155		
22.93	1.149		
22.97	1.143		
23.00	1.137		
23.03	1.130		
23.07	1.124		
23.10	1.117		
23.13	1.110		
23.17	1.103		
23.20	1.096		
23.23	1.089		
23.27	1.082		
23.30	1.075		
23.33	1.067		
23.37	1.059		
23.40	1.056		
23.43	1.052		
23.47	1.048		
23.50	1.044		
23.53	1.040		
23.57	1.036		
23.60	1.032		
23.63	1.028		
23.67	1.024		
23.70	1.020		
23.73	1.016		
23.77	1.012		
23.80	1.008		
23.83	1.004		
23.87	1.001		
23.90	0.997		
23.93	0.993		
23.97	0.989		
24.00	0.985		
24.03	0.976		
24.07	0.962		
24.10	0.943		
24.13	0.919		
24.17	0.891		
24.20	0.857		
24.23	0.819		
24.27	0.776		
24.30	0.728		
24.33	0.681		
24.37	0.636		
24.40	0.593		

Hydrograph Report

Hyd. No. 2

AREA #4

Hydrograph type	= SCS Runoff	Peak discharge	= 4.728 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.17 hrs
Time interval	= 2 min	Hyd. volume	= 4,778 cuft
Drainage area	= 1.200 ac	Curve number	= 74*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 11.6 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.052 x 70) + (0.047 x 77) + (0.849 x 70) + (0.072 x 55) + (0.179 x 98)] / 1.200

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
8.57	0.048	9.83	0.137	11.10	0.328	12.37	3.982
8.60	0.050	9.87	0.140	11.13	0.337	12.40	3.734
8.63	0.052	9.90	0.143	11.17	0.348	12.43	3.460
8.67	0.054	9.93	0.146	11.20	0.360	12.47	3.164
8.70	0.055	9.97	0.149	11.23	0.373	12.50	2.850
8.73	0.057	10.00	0.153	11.27	0.387	12.53	2.530
8.77	0.059	10.03	0.156	11.30	0.402	12.57	2.228
8.80	0.061	10.07	0.159	11.33	0.419	12.60	1.966
8.83	0.063	10.10	0.162	11.37	0.436	12.63	1.754
8.87	0.065	10.13	0.166	11.40	0.454	12.67	1.583
8.90	0.067	10.17	0.170	11.43	0.473	12.70	1.439
8.93	0.069	10.20	0.174	11.47	0.493	12.73	1.313
8.97	0.071	10.23	0.178	11.50	0.513	12.77	1.205
9.00	0.073	10.27	0.182	11.53	0.536	12.80	1.112
9.03	0.075	10.30	0.187	11.57	0.566	12.83	1.033
9.07	0.078	10.33	0.191	11.60	0.607	12.87	0.967
9.10	0.080	10.37	0.196	11.63	0.663	12.90	0.912
9.13	0.082	10.40	0.201	11.67	0.737	12.93	0.866
9.17	0.084	10.43	0.206	11.70	0.828	12.97	0.827
9.20	0.087	10.47	0.211	11.73	0.936	13.00	0.794
9.23	0.089	10.50	0.217	11.77	1.061	13.03	0.766
9.27	0.091	10.53	0.222	11.80	1.201	13.07	0.741
9.30	0.094	10.57	0.228	11.83	1.356	13.10	0.719
9.33	0.096	10.60	0.233	11.87	1.526	13.13	0.698
9.37	0.099	10.63	0.239	11.90	1.710	13.17	0.679
9.40	0.101	10.67	0.245	11.93	1.929	13.20	0.662
9.43	0.104	10.70	0.250	11.97	2.226	13.23	0.646
9.47	0.107	10.73	0.256	12.00	2.646	13.27	0.632
9.50	0.109	10.77	0.262	12.03	3.189	13.30	0.620
9.53	0.112	10.80	0.268	12.07	3.769	13.33	0.609
9.57	0.115	10.83	0.274	12.10	4.270	13.37	0.599
9.60	0.117	10.87	0.281	12.13	4.594	13.40	0.590
9.63	0.120	10.90	0.287	12.17	4.728 <<	13.43	0.581
9.67	0.123	10.93	0.293	12.20	4.728	13.47	0.574
9.70	0.126	10.97	0.300	12.23	4.655	13.50	0.567
9.73	0.129	11.00	0.306	12.27	4.540	13.53	0.560
9.77	0.131	11.03	0.313	12.30	4.388	13.57	0.553
9.80	0.134	11.07	0.320	12.33	4.201	13.60	0.547

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
13.63	0.540	15.47	0.304	17.30	0.182	19.13	0.130
13.67	0.534	15.50	0.300	17.33	0.181	19.17	0.130
13.70	0.527	15.53	0.297	17.37	0.179	19.20	0.129
13.73	0.521	15.57	0.294	17.40	0.178	19.23	0.129
13.77	0.514	15.60	0.291	17.43	0.177	19.27	0.128
13.80	0.508	15.63	0.287	17.47	0.175	19.30	0.128
13.83	0.501	15.67	0.284	17.50	0.174	19.33	0.128
13.87	0.495	15.70	0.281	17.53	0.172	19.37	0.127
13.90	0.488	15.73	0.278	17.57	0.171	19.40	0.127
13.93	0.481	15.77	0.274	17.60	0.169	19.43	0.126
13.97	0.475	15.80	0.271	17.63	0.168	19.47	0.126
14.00	0.468	15.83	0.268	17.67	0.166	19.50	0.125
14.03	0.462	15.87	0.264	17.70	0.165	19.53	0.125
14.07	0.455	15.90	0.261	17.73	0.163	19.57	0.125
14.10	0.449	15.93	0.258	17.77	0.162	19.60	0.124
14.13	0.443	15.97	0.254	17.80	0.161	19.63	0.124
14.17	0.438	16.00	0.251	17.83	0.159	19.67	0.123
14.20	0.432	16.03	0.248	17.87	0.158	19.70	0.123
14.23	0.428	16.07	0.245	17.90	0.156	19.73	0.122
14.27	0.423	16.10	0.242	17.93	0.155	19.77	0.122
14.30	0.419	16.13	0.239	17.97	0.153	19.80	0.121
14.33	0.415	16.17	0.236	18.00	0.152	19.83	0.121
14.37	0.411	16.20	0.233	18.03	0.150	19.87	0.121
14.40	0.407	16.23	0.231	18.07	0.149	19.90	0.120
14.43	0.404	16.27	0.229	18.10	0.148	19.93	0.120
14.47	0.400	16.30	0.227	18.13	0.146	19.97	0.119
14.50	0.397	16.33	0.225	18.17	0.145	20.00	0.119
14.53	0.394	16.37	0.223	18.20	0.144	20.03	0.118
14.57	0.391	16.40	0.222	18.23	0.143	20.07	0.118
14.60	0.388	16.43	0.220	18.27	0.143	20.10	0.118
14.63	0.384	16.47	0.218	18.30	0.142	20.13	0.117
14.67	0.381	16.50	0.217	18.33	0.141	20.17	0.117
14.70	0.378	16.53	0.215	18.37	0.140	20.20	0.116
14.73	0.375	16.57	0.214	18.40	0.140	20.23	0.116
14.77	0.372	16.60	0.213	18.43	0.139	20.27	0.115
14.80	0.368	16.63	0.211	18.47	0.139	20.30	0.115
14.83	0.365	16.67	0.210	18.50	0.138	20.33	0.115
14.87	0.362	16.70	0.208	18.53	0.138	20.37	0.114
14.90	0.359	16.73	0.207	18.57	0.137	20.40	0.114
14.93	0.356	16.77	0.205	18.60	0.137	20.43	0.113
14.97	0.352	16.80	0.204	18.63	0.137	20.47	0.113
15.00	0.349	16.83	0.203	18.67	0.136	20.50	0.112
15.03	0.346	16.87	0.201	18.70	0.136	20.53	0.112
15.07	0.343	16.90	0.200	18.73	0.135	20.57	0.111
15.10	0.339	16.93	0.198	18.77	0.135	20.60	0.111
15.13	0.336	16.97	0.197	18.80	0.134	20.63	0.111
15.17	0.333	17.00	0.195	18.83	0.134	20.67	0.110
15.20	0.330	17.03	0.194	18.87	0.134	20.70	0.110
15.23	0.327	17.07	0.192	18.90	0.133	20.73	0.109
15.27	0.323	17.10	0.191	18.93	0.133	20.77	0.109
15.30	0.320	17.13	0.190	18.97	0.132	20.80	0.108
15.33	0.317	17.17	0.188	19.00	0.132	20.83	0.108
15.37	0.314	17.20	0.187	19.03	0.131	20.87	0.107
15.40	0.310	17.23	0.185	19.07	0.131	20.90	0.107
15.43	0.307	17.27	0.184	19.10	0.131	20.93	0.107

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AREA #4

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
20.97	0.106	22.80	0.091
21.00	0.106	22.83	0.090
21.03	0.105	22.87	0.090
21.07	0.105	22.90	0.090
21.10	0.104	22.93	0.089
21.13	0.104	22.97	0.089
21.17	0.104	23.00	0.089
21.20	0.103	23.03	0.088
21.23	0.103	23.07	0.088
21.27	0.102	23.10	0.088
21.30	0.102	23.13	0.087
21.33	0.101	23.17	0.087
21.37	0.101	23.20	0.087
21.40	0.100	23.23	0.086
21.43	0.100	23.27	0.086
21.47	0.100	23.30	0.086
21.50	0.099	23.33	0.085
21.53	0.099	23.37	0.085
21.57	0.098	23.40	0.085
21.60	0.098	23.43	0.084
21.63	0.097	23.47	0.084
21.67	0.097	23.50	0.084
21.70	0.097	23.53	0.083
21.73	0.096	23.57	0.083
21.77	0.096	23.60	0.083
21.80	0.095	23.63	0.082
21.83	0.095	23.67	0.082
21.87	0.094	23.70	0.082
21.90	0.094	23.73	0.081
21.93	0.093	23.77	0.081
21.97	0.093	23.80	0.081
22.00	0.093	23.83	0.080
22.03	0.098	23.87	0.080
22.07	0.103	23.90	0.080
22.10	0.109	23.93	0.079
22.13	0.115	23.97	0.079
22.17	0.114	24.00	0.079
22.20	0.112	24.03	0.076
22.23	0.111	24.07	0.072
22.27	0.110	24.10	0.065
22.30	0.108	24.13	0.056
22.33	0.107	24.17	0.048
22.37	0.105		
22.40	0.103	*...End*	
22.43	0.102		
22.47	0.100		
22.50	0.098		
22.53	0.096		
22.57	0.094		
22.60	0.093		
22.63	0.092		
22.67	0.092		
22.70	0.092		
22.73	0.091		
22.77	0.091		

Hydrograph Report

Hyd. No. 3

AREA #7

Hydrograph type	= SCS Runoff	Peak discharge	= 1.109 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.37 hrs
Time interval	= 2 min	Hyd. volume	= 618 cuft
Drainage area	= 0.610 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 17.7 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.609 x 55)] / 0.610

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
10.83	0.012	12.10	0.711	13.37	0.231	14.63	0.146
10.87	0.013	12.13	0.820	13.40	0.227	14.67	0.144
10.90	0.015	12.17	0.918	13.43	0.223	14.70	0.143
10.93	0.016	12.20	0.994	13.47	0.219	14.73	0.142
10.97	0.017	12.23	1.045	13.50	0.215	14.77	0.141
11.00	0.019	12.27	1.076	13.53	0.212	14.80	0.140
11.03	0.021	12.30	1.095	13.57	0.209	14.83	0.139
11.07	0.022	12.33	1.106	13.60	0.206	14.87	0.138
11.10	0.024	12.37	1.109 <<	13.63	0.203	14.90	0.137
11.13	0.026	12.40	1.103	13.67	0.200	14.93	0.136
11.17	0.028	12.43	1.089	13.70	0.198	14.97	0.135
11.20	0.030	12.47	1.067	13.73	0.195	15.00	0.133
11.23	0.032	12.50	1.037	13.77	0.193	15.03	0.132
11.27	0.034	12.53	0.999	13.80	0.191	15.07	0.131
11.30	0.037	12.57	0.956	13.83	0.189	15.10	0.130
11.33	0.040	12.60	0.908	13.87	0.186	15.13	0.129
11.37	0.043	12.63	0.857	13.90	0.184	15.17	0.128
11.40	0.046	12.67	0.803	13.93	0.182	15.20	0.127
11.43	0.049	12.70	0.749	13.97	0.180	15.23	0.126
11.47	0.053	12.73	0.696	14.00	0.178	15.27	0.125
11.50	0.057	12.77	0.643	14.03	0.176	15.30	0.123
11.53	0.061	12.80	0.590	14.07	0.173	15.33	0.122
11.57	0.066	12.83	0.540	14.10	0.171	15.37	0.121
11.60	0.072	12.87	0.494	14.13	0.169	15.40	0.120
11.63	0.079	12.90	0.453	14.17	0.167	15.43	0.119
11.67	0.089	12.93	0.420	14.20	0.165	15.47	0.118
11.70	0.100	12.97	0.391	14.23	0.163	15.50	0.117
11.73	0.115	13.00	0.366	14.27	0.161	15.53	0.115
11.77	0.133	13.03	0.344	14.30	0.160	15.57	0.114
11.80	0.154	13.07	0.324	14.33	0.158	15.60	0.113
11.83	0.179	13.10	0.306	14.37	0.156	15.63	0.112
11.87	0.208	13.13	0.291	14.40	0.155	15.67	0.111
11.90	0.241	13.17	0.278	14.43	0.153	15.70	0.110
11.93	0.280	13.20	0.266	14.47	0.152	15.73	0.108
11.97	0.332	13.23	0.257	14.50	0.151	15.77	0.107
12.00	0.403	13.27	0.249	14.53	0.149	15.80	0.106
12.03	0.495	13.30	0.242	14.57	0.148	15.83	0.105
12.07	0.600	13.33	0.236	14.60	0.147	15.87	0.104

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AREA #7

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
15.90	0.102	17.73	0.064	19.57	0.049	21.40	0.040
15.93	0.101	17.77	0.064	19.60	0.049	21.43	0.040
15.97	0.100	17.80	0.063	19.63	0.048	21.47	0.039
16.00	0.099	17.83	0.063	19.67	0.048	21.50	0.039
16.03	0.098	17.87	0.062	19.70	0.048	21.53	0.039
16.07	0.096	17.90	0.062	19.73	0.048	21.57	0.039
16.10	0.095	17.93	0.061	19.77	0.048	21.60	0.039
16.13	0.094	17.97	0.061	19.80	0.048	21.63	0.039
16.17	0.093	18.00	0.060	19.83	0.047	21.67	0.038
16.20	0.092	18.03	0.060	19.87	0.047	21.70	0.038
16.23	0.091	18.07	0.059	19.90	0.047	21.73	0.038
16.27	0.090	18.10	0.059	19.93	0.047	21.77	0.038
16.30	0.089	18.13	0.058	19.97	0.047	21.80	0.038
16.33	0.088	18.17	0.058	20.00	0.047	21.83	0.038
16.37	0.087	18.20	0.057	20.03	0.046	21.87	0.037
16.40	0.087	18.23	0.057	20.07	0.046	21.90	0.037
16.43	0.086	18.27	0.056	20.10	0.046	21.93	0.037
16.47	0.085	18.30	0.056	20.13	0.046	21.97	0.037
16.50	0.085	18.33	0.056	20.17	0.046	22.00	0.037
16.53	0.084	18.37	0.055	20.20	0.046	22.03	0.038
16.57	0.083	18.40	0.055	20.23	0.045	22.07	0.038
16.60	0.083	18.43	0.055	20.27	0.045	22.10	0.039
16.63	0.082	18.47	0.054	20.30	0.045	22.13	0.040
16.67	0.081	18.50	0.054	20.33	0.045	22.17	0.041
16.70	0.081	18.53	0.054	20.37	0.045	22.20	0.042
16.73	0.080	18.57	0.054	20.40	0.045	22.23	0.042
16.77	0.080	18.60	0.053	20.43	0.045	22.27	0.042
16.80	0.079	18.63	0.053	20.47	0.044	22.30	0.042
16.83	0.079	18.67	0.053	20.50	0.044	22.33	0.041
16.87	0.078	18.70	0.053	20.53	0.044	22.37	0.041
16.90	0.078	18.73	0.053	20.57	0.044	22.40	0.041
16.93	0.077	18.77	0.052	20.60	0.044	22.43	0.040
16.97	0.077	18.80	0.052	20.63	0.044	22.47	0.040
17.00	0.076	18.83	0.052	20.67	0.043	22.50	0.040
17.03	0.076	18.87	0.052	20.70	0.043	22.53	0.039
17.07	0.075	18.90	0.052	20.73	0.043	22.57	0.039
17.10	0.075	18.93	0.052	20.77	0.043	22.60	0.039
17.13	0.074	18.97	0.052	20.80	0.043	22.63	0.039
17.17	0.074	19.00	0.051	20.83	0.043	22.67	0.038
17.20	0.073	19.03	0.051	20.87	0.042	22.70	0.038
17.23	0.072	19.07	0.051	20.90	0.042	22.73	0.037
17.27	0.072	19.10	0.051	20.93	0.042	22.77	0.037
17.30	0.071	19.13	0.051	20.97	0.042	22.80	0.037
17.33	0.071	19.17	0.051	21.00	0.042	22.83	0.036
17.37	0.070	19.20	0.050	21.03	0.042	22.87	0.036
17.40	0.070	19.23	0.050	21.07	0.041	22.90	0.036
17.43	0.069	19.27	0.050	21.10	0.041	22.93	0.035
17.47	0.069	19.30	0.050	21.13	0.041	22.97	0.035
17.50	0.068	19.33	0.050	21.17	0.041	23.00	0.035
17.53	0.068	19.37	0.050	21.20	0.041	23.03	0.035
17.57	0.067	19.40	0.049	21.23	0.041	23.07	0.035
17.60	0.067	19.43	0.049	21.27	0.040	23.10	0.035
17.63	0.066	19.47	0.049	21.30	0.040	23.13	0.035
17.67	0.066	19.50	0.049	21.33	0.040	23.17	0.035
17.70	0.065	19.53	0.049	21.37	0.040	23.20	0.034

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AREA #7

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
23.23	0.034
23.27	0.034
23.30	0.034
23.33	0.034
23.37	0.034
23.40	0.034
23.43	0.034
23.47	0.033
23.50	0.033
23.53	0.033
23.57	0.033
23.60	0.033
23.63	0.033
23.67	0.033
23.70	0.033
23.73	0.032
23.77	0.032
23.80	0.032
23.83	0.032
23.87	0.032
23.90	0.032
23.93	0.032
23.97	0.031
24.00	0.031
24.03	0.031
24.07	0.030
24.10	0.029
24.13	0.027
24.17	0.025
24.20	0.023
24.23	0.021
24.27	0.019
24.30	0.017
24.33	0.015
24.37	0.013
24.40	0.011

...End

Hydrograph Report

Hyd. No. 4

AREA #8

Hydrograph type	= SCS Runoff	Peak discharge	= 1.238 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.30 hrs
Time interval	= 2 min	Hyd. volume	= 643 cuft
Drainage area	= 0.620 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 15.9 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(0.164 x 55) + (0.451 x 55)] / 0.620

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
10.80	0.013	12.07	0.760	13.33	0.235	14.60	0.150
10.83	0.014	12.10	0.901	13.37	0.231	14.63	0.149
10.87	0.016	12.13	1.027	13.40	0.227	14.67	0.148
10.90	0.017	12.17	1.123	13.43	0.223	14.70	0.147
10.93	0.019	12.20	1.183	13.47	0.220	14.73	0.146
10.97	0.021	12.23	1.215	13.50	0.216	14.77	0.145
11.00	0.022	12.27	1.232	13.53	0.213	14.80	0.144
11.03	0.024	12.30	1.238 <<	13.57	0.211	14.83	0.142
11.07	0.026	12.33	1.234	13.60	0.208	14.87	0.141
11.10	0.028	12.37	1.219	13.63	0.206	14.90	0.140
11.13	0.030	12.40	1.194	13.67	0.203	14.93	0.139
11.17	0.032	12.43	1.160	13.70	0.201	14.97	0.138
11.20	0.034	12.47	1.116	13.73	0.199	15.00	0.137
11.23	0.037	12.50	1.064	13.77	0.197	15.03	0.136
11.27	0.039	12.53	1.003	13.80	0.195	15.07	0.134
11.30	0.042	12.57	0.937	13.83	0.192	15.10	0.133
11.33	0.046	12.60	0.867	13.87	0.190	15.13	0.132
11.37	0.049	12.63	0.795	13.90	0.188	15.17	0.131
11.40	0.053	12.67	0.724	13.93	0.186	15.20	0.130
11.43	0.056	12.70	0.655	13.97	0.183	15.23	0.129
11.47	0.061	12.73	0.592	14.00	0.181	15.27	0.127
11.50	0.065	12.77	0.538	14.03	0.179	15.30	0.126
11.53	0.070	12.80	0.493	14.07	0.176	15.33	0.125
11.57	0.075	12.83	0.456	14.10	0.174	15.37	0.124
11.60	0.083	12.87	0.424	14.13	0.172	15.40	0.123
11.63	0.092	12.90	0.395	14.17	0.170	15.43	0.121
11.67	0.104	12.93	0.370	14.20	0.168	15.47	0.120
11.70	0.119	12.97	0.347	14.23	0.166	15.50	0.119
11.73	0.138	13.00	0.328	14.27	0.164	15.53	0.118
11.77	0.161	13.03	0.311	14.30	0.163	15.57	0.117
11.80	0.187	13.07	0.296	14.33	0.161	15.60	0.115
11.83	0.218	13.10	0.284	14.37	0.159	15.63	0.114
11.87	0.254	13.13	0.273	14.40	0.158	15.67	0.113
11.90	0.294	13.17	0.264	14.43	0.157	15.70	0.112
11.93	0.343	13.20	0.257	14.47	0.155	15.73	0.111
11.97	0.409	13.23	0.251	14.50	0.154	15.77	0.109
12.00	0.501	13.27	0.245	14.53	0.153	15.80	0.108
12.03	0.622	13.30	0.240	14.57	0.152	15.83	0.107

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AREA #8

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
15.87	0.106	17.70	0.067	19.53	0.050	21.37	0.041
15.90	0.104	17.73	0.066	19.57	0.050	21.40	0.041
15.93	0.103	17.77	0.065	19.60	0.050	21.43	0.041
15.97	0.102	17.80	0.065	19.63	0.050	21.47	0.041
16.00	0.101	17.83	0.064	19.67	0.050	21.50	0.040
16.03	0.099	17.87	0.064	19.70	0.050	21.53	0.040
16.07	0.098	17.90	0.063	19.73	0.049	21.57	0.040
16.10	0.097	17.93	0.063	19.77	0.049	21.60	0.040
16.13	0.096	17.97	0.062	19.80	0.049	21.63	0.040
16.17	0.095	18.00	0.062	19.83	0.049	21.67	0.040
16.20	0.094	18.03	0.061	19.87	0.049	21.70	0.039
16.23	0.093	18.07	0.060	19.90	0.049	21.73	0.039
16.27	0.092	18.10	0.060	19.93	0.048	21.77	0.039
16.30	0.091	18.13	0.059	19.97	0.048	21.80	0.039
16.33	0.090	18.17	0.059	20.00	0.048	21.83	0.039
16.37	0.089	18.20	0.058	20.03	0.048	21.87	0.039
16.40	0.089	18.23	0.058	20.07	0.048	21.90	0.038
16.43	0.088	18.27	0.058	20.10	0.048	21.93	0.038
16.47	0.087	18.30	0.057	20.13	0.047	21.97	0.038
16.50	0.087	18.33	0.057	20.17	0.047	22.00	0.038
16.53	0.086	18.37	0.057	20.20	0.047	22.03	0.039
16.57	0.085	18.40	0.056	20.23	0.047	22.07	0.041
16.60	0.085	18.43	0.056	20.27	0.047	22.10	0.042
16.63	0.084	18.47	0.056	20.30	0.047	22.13	0.043
16.67	0.084	18.50	0.056	20.33	0.046	22.17	0.045
16.70	0.083	18.53	0.055	20.37	0.046	22.20	0.045
16.73	0.083	18.57	0.055	20.40	0.046	22.23	0.044
16.77	0.082	18.60	0.055	20.43	0.046	22.27	0.044
16.80	0.081	18.63	0.055	20.47	0.046	22.30	0.043
16.83	0.081	18.67	0.055	20.50	0.046	22.33	0.043
16.87	0.080	18.70	0.055	20.53	0.045	22.37	0.043
16.90	0.080	18.73	0.054	20.57	0.045	22.40	0.042
16.93	0.079	18.77	0.054	20.60	0.045	22.43	0.042
16.97	0.079	18.80	0.054	20.63	0.045	22.47	0.042
17.00	0.078	18.83	0.054	20.67	0.045	22.50	0.041
17.03	0.078	18.87	0.054	20.70	0.045	22.53	0.041
17.07	0.077	18.90	0.054	20.73	0.044	22.57	0.040
17.10	0.077	18.93	0.053	20.77	0.044	22.60	0.040
17.13	0.076	18.97	0.053	20.80	0.044	22.63	0.039
17.17	0.075	19.00	0.053	20.83	0.044	22.67	0.039
17.20	0.075	19.03	0.053	20.87	0.044	22.70	0.038
17.23	0.074	19.07	0.053	20.90	0.044	22.73	0.038
17.27	0.074	19.10	0.053	20.93	0.043	22.77	0.037
17.30	0.073	19.13	0.052	20.97	0.043	22.80	0.037
17.33	0.073	19.17	0.052	21.00	0.043	22.83	0.037
17.37	0.072	19.20	0.052	21.03	0.043	22.87	0.037
17.40	0.072	19.23	0.052	21.07	0.043	22.90	0.037
17.43	0.071	19.27	0.052	21.10	0.043	22.93	0.037
17.47	0.071	19.30	0.052	21.13	0.042	22.97	0.036
17.50	0.070	19.33	0.051	21.17	0.042	23.00	0.036
17.53	0.069	19.37	0.051	21.20	0.042	23.03	0.036
17.57	0.069	19.40	0.051	21.23	0.042	23.07	0.036
17.60	0.068	19.43	0.051	21.27	0.042	23.10	0.036
17.63	0.068	19.47	0.051	21.30	0.042	23.13	0.036
17.67	0.067	19.50	0.051	21.33	0.041	23.17	0.036

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AREA #8

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
23.20	0.036
23.23	0.035
23.27	0.035
23.30	0.035
23.33	0.035
23.37	0.035
23.40	0.035
23.43	0.035
23.47	0.034
23.50	0.034
23.53	0.034
23.57	0.034
23.60	0.034
23.63	0.034
23.67	0.034
23.70	0.034
23.73	0.033
23.77	0.033
23.80	0.033
23.83	0.033
23.87	0.033
23.90	0.033
23.93	0.033
23.97	0.032
24.00	0.032
24.03	0.032
24.07	0.030
24.10	0.029
24.13	0.026
24.17	0.024
24.20	0.021
24.23	0.018
24.27	0.016
24.30	0.014

...End

Hydrograph Report

Hyd. No. 5

TOTAL EX. BYPASS FLOW

Hydrograph type	= Combine	Peak discharge	= 36.50 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.43 hrs
Time interval	= 2 min	Hyd. volume	= 35,559 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 19.080 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
10.03	0.214	0.156	0.000	0.000	0.370
10.07	0.235	0.159	0.000	0.000	0.394
10.10	0.256	0.162	0.000	0.000	0.418
10.13	0.278	0.166	0.000	0.000	0.444
10.17	0.302	0.170	0.000	0.000	0.471
10.20	0.326	0.174	0.000	0.000	0.499
10.23	0.351	0.178	0.000	0.000	0.529
10.27	0.377	0.182	0.000	0.000	0.559
10.30	0.404	0.187	0.000	0.000	0.591
10.33	0.432	0.191	0.000	0.001	0.624
10.37	0.461	0.196	0.001	0.001	0.659
10.40	0.492	0.201	0.001	0.001	0.695
10.43	0.523	0.206	0.001	0.002	0.732
10.47	0.556	0.211	0.002	0.002	0.771
10.50	0.589	0.217	0.002	0.003	0.811
10.53	0.624	0.222	0.003	0.004	0.853
10.57	0.659	0.228	0.004	0.005	0.895
10.60	0.696	0.233	0.005	0.006	0.939
10.63	0.733	0.239	0.005	0.007	0.984
10.67	0.772	0.245	0.006	0.008	1.031
10.70	0.812	0.250	0.007	0.009	1.079
10.73	0.853	0.256	0.008	0.010	1.128
10.77	0.895	0.262	0.009	0.012	1.178
10.80	0.938	0.268	0.011	0.013	1.230
10.83	0.982	0.274	0.012	0.014	1.283
10.87	1.027	0.281	0.013	0.016	1.337
10.90	1.073	0.287	0.015	0.017	1.392
10.93	1.121	0.293	0.016	0.019	1.449
10.97	1.170	0.300	0.017	0.021	1.507
11.00	1.219	0.306	0.019	0.022	1.567
11.03	1.270	0.313	0.021	0.024	1.628
11.07	1.323	0.320	0.022	0.026	1.691
11.10	1.378	0.328	0.024	0.028	1.758
11.13	1.436	0.337	0.026	0.030	1.829
11.17	1.497	0.348	0.028	0.032	1.904
11.20	1.561	0.360	0.030	0.034	1.985
11.23	1.629	0.373	0.032	0.037	2.071
11.27	1.702	0.387	0.034	0.039	2.163
11.30	1.779	0.402	0.037	0.042	2.261
11.33	1.863	0.419	0.040	0.046	2.367
11.37	1.952	0.436	0.043	0.049	2.479
11.40	2.046	0.454	0.046	0.053	2.599
11.43	2.146	0.473	0.049	0.056	2.725
11.47	2.253	0.493	0.053	0.061	2.859

Continues on next page...

TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
11.50	2.365	0.513	0.057	0.065	3.000
11.53	2.487	0.536	0.061	0.070	3.154
11.57	2.624	0.566	0.066	0.075	3.331
11.60	2.783	0.607	0.072	0.083	3.544
11.63	2.972	0.663	0.079	0.092	3.806
11.67	3.198	0.737	0.089	0.104	4.128
11.70	3.471	0.828	0.100	0.119	4.520
11.73	3.800	0.936	0.115	0.138	4.990
11.77	4.195	1.061	0.133	0.161	5.549
11.80	4.666	1.201	0.154	0.187	6.209
11.83	5.223	1.356	0.179	0.218	6.977
11.87	5.870	1.526	0.208	0.254	7.858
11.90	6.611	1.710	0.241	0.294	8.856
11.93	7.490	1.929	0.280	0.343	10.04
11.97	8.595	2.226	0.332	0.409	11.56
12.00	10.03	2.646	0.403	0.501	13.58
12.03	11.80	3.189	0.495	0.622	16.10
12.07	13.81	3.769	0.600	0.760	18.94
12.10	15.95	4.270	0.711	0.901	21.83
12.13	18.14	4.594	0.820	1.027	24.58
12.17	20.35	4.728 <<	0.918	1.123	27.12
12.20	22.56	4.728	0.994	1.183	29.46
12.23	24.68	4.655	1.045	1.215	31.60
12.27	26.58	4.540	1.076	1.232	33.42
12.30	28.09	4.388	1.095	1.238 <<	34.81
12.33	29.17	4.201	1.106	1.234	35.71
12.37	29.91	3.982	1.109 <<	1.219	36.22
12.40	30.44	3.734	1.103	1.194	36.47
12.43	30.79	3.460	1.089	1.160	36.50 <<
12.47	30.99	3.164	1.067	1.116	36.33
12.50	31.01 <<	2.850	1.037	1.064	35.96
12.53	30.88	2.530	0.999	1.003	35.41
12.57	30.60	2.228	0.956	0.937	34.72
12.60	30.19	1.966	0.908	0.867	33.93
12.63	29.67	1.754	0.857	0.795	33.07
12.67	29.05	1.583	0.803	0.724	32.16
12.70	28.34	1.439	0.749	0.655	31.19
12.73	27.57	1.313	0.696	0.592	30.17
12.77	26.76	1.205	0.643	0.538	29.14
12.80	25.91	1.112	0.590	0.493	28.10
12.83	25.03	1.033	0.540	0.456	27.06
12.87	24.14	0.967	0.494	0.424	26.02
12.90	23.23	0.912	0.453	0.395	24.99
12.93	22.29	0.866	0.420	0.370	23.95
12.97	21.35	0.827	0.391	0.347	22.91
13.00	20.39	0.794	0.366	0.328	21.87
13.03	19.42	0.766	0.344	0.311	20.84
13.07	18.44	0.741	0.324	0.296	19.80
13.10	17.47	0.719	0.306	0.284	18.78
13.13	16.50	0.698	0.291	0.273	17.76
13.17	15.54	0.679	0.278	0.264	16.76
13.20	14.59	0.662	0.266	0.257	15.78
13.23	13.66	0.646	0.257	0.251	14.82
13.27	12.76	0.632	0.249	0.245	13.89
13.30	11.91	0.620	0.242	0.240	13.01
13.33	11.12	0.609	0.236	0.235	12.20

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
13.37	10.44	0.599	0.231	0.231	11.50
13.40	9.873	0.590	0.227	0.227	10.92
13.43	9.391	0.581	0.223	0.223	10.42
13.47	8.970	0.574	0.219	0.220	9.982
13.50	8.592	0.567	0.215	0.216	9.591
13.53	8.257	0.560	0.212	0.213	9.242
13.57	7.960	0.553	0.209	0.211	8.933
13.60	7.699	0.547	0.206	0.208	8.660
13.63	7.470	0.540	0.203	0.206	8.419
13.67	7.270	0.534	0.200	0.203	8.207
13.70	7.095	0.527	0.198	0.201	8.021
13.73	6.942	0.521	0.195	0.199	7.857
13.77	6.807	0.514	0.193	0.197	7.711
13.80	6.686	0.508	0.191	0.195	7.579
13.83	6.575	0.501	0.189	0.192	7.458
13.87	6.471	0.495	0.186	0.190	7.342
13.90	6.371	0.488	0.184	0.188	7.231
13.93	6.275	0.481	0.182	0.186	7.124
13.97	6.182	0.475	0.180	0.183	7.020
14.00	6.092	0.468	0.178	0.181	6.919
14.03	6.006	0.462	0.176	0.179	6.822
14.07	5.923	0.455	0.173	0.176	6.728
14.10	5.843	0.449	0.171	0.174	6.637
14.13	5.765	0.443	0.169	0.172	6.550
14.17	5.691	0.438	0.167	0.170	6.465
14.20	5.619	0.432	0.165	0.168	6.385
14.23	5.550	0.428	0.163	0.166	6.307
14.27	5.483	0.423	0.161	0.164	6.232
14.30	5.419	0.419	0.160	0.163	6.160
14.33	5.357	0.415	0.158	0.161	6.091
14.37	5.297	0.411	0.156	0.159	6.024
14.40	5.239	0.407	0.155	0.158	5.959
14.43	5.182	0.404	0.153	0.157	5.896
14.47	5.126	0.400	0.152	0.155	5.834
14.50	5.073	0.397	0.151	0.154	5.774
14.53	5.020	0.394	0.149	0.153	5.716
14.57	4.969	0.391	0.148	0.152	5.659
14.60	4.919	0.388	0.147	0.150	5.604
14.63	4.870	0.384	0.146	0.149	5.550
14.67	4.823	0.381	0.144	0.148	5.497
14.70	4.777	0.378	0.143	0.147	5.445
14.73	4.731	0.375	0.142	0.146	5.394
14.77	4.687	0.372	0.141	0.145	5.345
14.80	4.644	0.368	0.140	0.144	5.296
14.83	4.602	0.365	0.139	0.142	5.248
14.87	4.560	0.362	0.138	0.141	5.201
14.90	4.519	0.359	0.137	0.140	5.155
14.93	4.479	0.356	0.136	0.139	5.110
14.97	4.440	0.352	0.135	0.138	5.065
15.00	4.401	0.349	0.133	0.137	5.021
15.03	4.363	0.346	0.132	0.136	4.977
15.07	4.325	0.343	0.131	0.134	4.934
15.10	4.288	0.339	0.130	0.133	4.891
15.13	4.251	0.336	0.129	0.132	4.849
15.17	4.215	0.333	0.128	0.131	4.807
15.20	4.178	0.330	0.127	0.130	4.765

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
15.23	4.142	0.327	0.126	0.129	4.723
15.27	4.106	0.323	0.125	0.127	4.681
15.30	4.070	0.320	0.123	0.126	4.640
15.33	4.034	0.317	0.122	0.125	4.598
15.37	3.998	0.314	0.121	0.124	4.557
15.40	3.962	0.310	0.120	0.123	4.515
15.43	3.926	0.307	0.119	0.121	4.473
15.47	3.890	0.304	0.118	0.120	4.431
15.50	3.853	0.300	0.117	0.119	4.389
15.53	3.817	0.297	0.115	0.118	4.347
15.57	3.780	0.294	0.114	0.117	4.305
15.60	3.744	0.291	0.113	0.115	4.263
15.63	3.707	0.287	0.112	0.114	4.221
15.67	3.670	0.284	0.111	0.113	4.178
15.70	3.634	0.281	0.110	0.112	4.136
15.73	3.597	0.278	0.108	0.111	4.093
15.77	3.560	0.274	0.107	0.109	4.050
15.80	3.523	0.271	0.106	0.108	4.008
15.83	3.486	0.268	0.105	0.107	3.965
15.87	3.448	0.264	0.104	0.106	3.922
15.90	3.411	0.261	0.102	0.104	3.879
15.93	3.374	0.258	0.101	0.103	3.836
15.97	3.336	0.254	0.100	0.102	3.793
16.00	3.299	0.251	0.099	0.101	3.749
16.03	3.261	0.248	0.098	0.099	3.706
16.07	3.224	0.245	0.096	0.098	3.663
16.10	3.187	0.242	0.095	0.097	3.621
16.13	3.150	0.239	0.094	0.096	3.579
16.17	3.114	0.236	0.093	0.095	3.538
16.20	3.078	0.233	0.092	0.094	3.497
16.23	3.043	0.231	0.091	0.093	3.458
16.27	3.009	0.229	0.090	0.092	3.420
16.30	2.976	0.227	0.089	0.091	3.383
16.33	2.944	0.225	0.088	0.090	3.347
16.37	2.913	0.223	0.087	0.089	3.313
16.40	2.883	0.222	0.087	0.089	3.279
16.43	2.853	0.220	0.086	0.088	3.247
16.47	2.825	0.218	0.085	0.087	3.216
16.50	2.798	0.217	0.085	0.087	3.186
16.53	2.771	0.215	0.084	0.086	3.156
16.57	2.745	0.214	0.083	0.085	3.128
16.60	2.720	0.213	0.083	0.085	3.100
16.63	2.696	0.211	0.082	0.084	3.073
16.67	2.672	0.210	0.081	0.084	3.047
16.70	2.649	0.208	0.081	0.083	3.021
16.73	2.627	0.207	0.080	0.083	2.996
16.77	2.605	0.205	0.080	0.082	2.972
16.80	2.584	0.204	0.079	0.081	2.949
16.83	2.563	0.203	0.079	0.081	2.925
16.87	2.543	0.201	0.078	0.080	2.903
16.90	2.523	0.200	0.078	0.080	2.881
16.93	2.504	0.198	0.077	0.079	2.859
16.97	2.485	0.197	0.077	0.079	2.838
17.00	2.467	0.195	0.076	0.078	2.817
17.03	2.449	0.194	0.076	0.078	2.796
17.07	2.431	0.192	0.075	0.077	2.776

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
17.10	2.414	0.191	0.075	0.077	2.756
17.13	2.396	0.190	0.074	0.076	2.736
17.17	2.379	0.188	0.074	0.075	2.716
17.20	2.362	0.187	0.073	0.075	2.697
17.23	2.345	0.185	0.072	0.074	2.677
17.27	2.329	0.184	0.072	0.074	2.658
17.30	2.312	0.182	0.071	0.073	2.639
17.33	2.295	0.181	0.071	0.073	2.620
17.37	2.279	0.179	0.070	0.072	2.601
17.40	2.262	0.178	0.070	0.072	2.582
17.43	2.246	0.177	0.069	0.071	2.562
17.47	2.229	0.175	0.069	0.071	2.543
17.50	2.212	0.174	0.068	0.070	2.524
17.53	2.195	0.172	0.068	0.069	2.505
17.57	2.179	0.171	0.067	0.069	2.485
17.60	2.162	0.169	0.067	0.068	2.466
17.63	2.145	0.168	0.066	0.068	2.447
17.67	2.128	0.166	0.066	0.067	2.428
17.70	2.112	0.165	0.065	0.067	2.408
17.73	2.095	0.163	0.064	0.066	2.389
17.77	2.078	0.162	0.064	0.065	2.370
17.80	2.061	0.161	0.063	0.065	2.350
17.83	2.044	0.159	0.063	0.064	2.331
17.87	2.028	0.158	0.062	0.064	2.311
17.90	2.011	0.156	0.062	0.063	2.292
17.93	1.994	0.155	0.061	0.063	2.272
17.97	1.977	0.153	0.061	0.062	2.253
18.00	1.960	0.152	0.060	0.062	2.233
18.03	1.943	0.150	0.060	0.061	2.214
18.07	1.926	0.149	0.059	0.060	2.195
18.10	1.909	0.148	0.059	0.060	2.176
18.13	1.893	0.146	0.058	0.059	2.157
18.17	1.877	0.145	0.058	0.059	2.139
18.20	1.861	0.144	0.057	0.058	2.121
18.23	1.846	0.143	0.057	0.058	2.104
18.27	1.831	0.143	0.056	0.058	2.087
18.30	1.816	0.142	0.056	0.057	2.071
18.33	1.803	0.141	0.056	0.057	2.056
18.37	1.789	0.140	0.055	0.057	2.042
18.40	1.777	0.140	0.055	0.056	2.028
18.43	1.765	0.139	0.055	0.056	2.015
18.47	1.753	0.139	0.054	0.056	2.002
18.50	1.742	0.138	0.054	0.056	1.990
18.53	1.731	0.138	0.054	0.055	1.978
18.57	1.721	0.137	0.054	0.055	1.967
18.60	1.711	0.137	0.053	0.055	1.957
18.63	1.702	0.137	0.053	0.055	1.946
18.67	1.693	0.136	0.053	0.055	1.937
18.70	1.684	0.136	0.053	0.055	1.927
18.73	1.676	0.135	0.053	0.054	1.918
18.77	1.668	0.135	0.052	0.054	1.909
18.80	1.660	0.134	0.052	0.054	1.901
18.83	1.653	0.134	0.052	0.054	1.893
18.87	1.646	0.134	0.052	0.054	1.885
18.90	1.639	0.133	0.052	0.054	1.878
18.93	1.633	0.133	0.052	0.053	1.871

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
18.97	1.626	0.132	0.052	0.053	1.863
19.00	1.620	0.132	0.051	0.053	1.857
19.03	1.614	0.131	0.051	0.053	1.850
19.07	1.609	0.131	0.051	0.053	1.844
19.10	1.603	0.131	0.051	0.053	1.837
19.13	1.598	0.130	0.051	0.052	1.831
19.17	1.593	0.130	0.051	0.052	1.825
19.20	1.587	0.129	0.050	0.052	1.819
19.23	1.582	0.129	0.050	0.052	1.813
19.27	1.577	0.128	0.050	0.052	1.808
19.30	1.572	0.128	0.050	0.052	1.802
19.33	1.567	0.128	0.050	0.051	1.796
19.37	1.562	0.127	0.050	0.051	1.790
19.40	1.557	0.127	0.049	0.051	1.785
19.43	1.552	0.126	0.049	0.051	1.779
19.47	1.547	0.126	0.049	0.051	1.773
19.50	1.542	0.125	0.049	0.051	1.767
19.53	1.537	0.125	0.049	0.050	1.762
19.57	1.532	0.125	0.049	0.050	1.756
19.60	1.527	0.124	0.049	0.050	1.750
19.63	1.522	0.124	0.048	0.050	1.744
19.67	1.517	0.123	0.048	0.050	1.739
19.70	1.512	0.123	0.048	0.050	1.733
19.73	1.507	0.122	0.048	0.049	1.727
19.77	1.502	0.122	0.048	0.049	1.721
19.80	1.497	0.121	0.048	0.049	1.716
19.83	1.492	0.121	0.047	0.049	1.710
19.87	1.487	0.121	0.047	0.049	1.704
19.90	1.482	0.120	0.047	0.049	1.698
19.93	1.477	0.120	0.047	0.048	1.692
19.97	1.472	0.119	0.047	0.048	1.687
20.00	1.467	0.119	0.047	0.048	1.681
20.03	1.462	0.118	0.046	0.048	1.675
20.07	1.457	0.118	0.046	0.048	1.669
20.10	1.452	0.118	0.046	0.048	1.663
20.13	1.447	0.117	0.046	0.047	1.658
20.17	1.442	0.117	0.046	0.047	1.652
20.20	1.437	0.116	0.046	0.047	1.646
20.23	1.432	0.116	0.045	0.047	1.640
20.27	1.427	0.115	0.045	0.047	1.634
20.30	1.422	0.115	0.045	0.047	1.628
20.33	1.417	0.115	0.045	0.046	1.623
20.37	1.412	0.114	0.045	0.046	1.617
20.40	1.406	0.114	0.045	0.046	1.611
20.43	1.401	0.113	0.045	0.046	1.605
20.47	1.396	0.113	0.044	0.046	1.599
20.50	1.391	0.112	0.044	0.046	1.593
20.53	1.386	0.112	0.044	0.045	1.587
20.57	1.381	0.111	0.044	0.045	1.582
20.60	1.376	0.111	0.044	0.045	1.576
20.63	1.371	0.111	0.044	0.045	1.570
20.67	1.366	0.110	0.043	0.045	1.564
20.70	1.361	0.110	0.043	0.045	1.558
20.73	1.356	0.109	0.043	0.044	1.552
20.77	1.350	0.109	0.043	0.044	1.546
20.80	1.345	0.108	0.043	0.044	1.541

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TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
20.83	1.340	0.108	0.043	0.044	1.535
20.87	1.335	0.107	0.042	0.044	1.529
20.90	1.330	0.107	0.042	0.044	1.523
20.93	1.325	0.107	0.042	0.043	1.517
20.97	1.320	0.106	0.042	0.043	1.511
21.00	1.315	0.106	0.042	0.043	1.505
21.03	1.310	0.105	0.042	0.043	1.499
21.07	1.304	0.105	0.041	0.043	1.493
21.10	1.299	0.104	0.041	0.043	1.487
21.13	1.294	0.104	0.041	0.042	1.482
21.17	1.289	0.104	0.041	0.042	1.476
21.20	1.284	0.103	0.041	0.042	1.470
21.23	1.279	0.103	0.041	0.042	1.464
21.27	1.274	0.102	0.040	0.042	1.458
21.30	1.268	0.102	0.040	0.042	1.452
21.33	1.263	0.101	0.040	0.041	1.446
21.37	1.258	0.101	0.040	0.041	1.440
21.40	1.253	0.100	0.040	0.041	1.434
21.43	1.248	0.100	0.040	0.041	1.428
21.47	1.243	0.100	0.039	0.041	1.422
21.50	1.237	0.099	0.039	0.040	1.416
21.53	1.232	0.099	0.039	0.040	1.410
21.57	1.227	0.098	0.039	0.040	1.404
21.60	1.222	0.098	0.039	0.040	1.398
21.63	1.217	0.097	0.039	0.040	1.393
21.67	1.212	0.097	0.038	0.040	1.387
21.70	1.206	0.097	0.038	0.039	1.381
21.73	1.201	0.096	0.038	0.039	1.375
21.77	1.196	0.096	0.038	0.039	1.369
21.80	1.191	0.095	0.038	0.039	1.363
21.83	1.186	0.095	0.038	0.039	1.357
21.87	1.180	0.094	0.037	0.039	1.351
21.90	1.175	0.094	0.037	0.038	1.345
21.93	1.170	0.093	0.037	0.038	1.339
21.97	1.165	0.093	0.037	0.038	1.333
22.00	1.160	0.093	0.037	0.038	1.327
22.03	1.168	0.098	0.038	0.039	1.343
22.07	1.177	0.103	0.038	0.041	1.359
22.10	1.186	0.109	0.039	0.042	1.376
22.13	1.196	0.115	0.040	0.043	1.394
22.17	1.206	0.114	0.041	0.045	1.406
22.20	1.217	0.112	0.042	0.045	1.416
22.23	1.228	0.111	0.042	0.044	1.425
22.27	1.239	0.110	0.042	0.044	1.435
22.30	1.252	0.108	0.042	0.043	1.445
22.33	1.247	0.107	0.041	0.043	1.438
22.37	1.242	0.105	0.041	0.043	1.431
22.40	1.237	0.103	0.041	0.042	1.424
22.43	1.232	0.102	0.040	0.042	1.416
22.47	1.227	0.100	0.040	0.042	1.409
22.50	1.222	0.098	0.040	0.041	1.401
22.53	1.217	0.096	0.039	0.041	1.394
22.57	1.212	0.094	0.039	0.040	1.386
22.60	1.207	0.093	0.039	0.040	1.378
22.63	1.201	0.092	0.039	0.039	1.371
22.67	1.196	0.092	0.038	0.039	1.365

Continues on next page...

TOTAL EX. BYPASS FLOW

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
22.70	1.190	0.092	0.038	0.038	1.358
22.73	1.185	0.091	0.037	0.038	1.351
22.77	1.179	0.091	0.037	0.037	1.344
22.80	1.173	0.091	0.037	0.037	1.338
22.83	1.167	0.090	0.036	0.037	1.331
22.87	1.161	0.090	0.036	0.037	1.324
22.90	1.155	0.090	0.036	0.037	1.317
22.93	1.149	0.089	0.035	0.037	1.310
22.97	1.143	0.089	0.035	0.036	1.304
23.00	1.137	0.089	0.035	0.036	1.297
23.03	1.130	0.088	0.035	0.036	1.290
23.07	1.124	0.088	0.035	0.036	1.283
23.10	1.117	0.088	0.035	0.036	1.275
23.13	1.110	0.087	0.035	0.036	1.268
23.17	1.103	0.087	0.035	0.036	1.260
23.20	1.096	0.087	0.034	0.036	1.253
23.23	1.089	0.086	0.034	0.035	1.245
23.27	1.082	0.086	0.034	0.035	1.237
23.30	1.075	0.086	0.034	0.035	1.229
23.33	1.067	0.085	0.034	0.035	1.221
23.37	1.059	0.085	0.034	0.035	1.213
23.40	1.056	0.085	0.034	0.035	1.209
23.43	1.052	0.084	0.034	0.035	1.204
23.47	1.048	0.084	0.033	0.034	1.200
23.50	1.044	0.084	0.033	0.034	1.195
23.53	1.040	0.083	0.033	0.034	1.190
23.57	1.036	0.083	0.033	0.034	1.186
23.60	1.032	0.083	0.033	0.034	1.181
23.63	1.028	0.082	0.033	0.034	1.177
23.67	1.024	0.082	0.033	0.034	1.172
23.70	1.020	0.082	0.033	0.034	1.168
23.73	1.016	0.081	0.032	0.033	1.163
23.77	1.012	0.081	0.032	0.033	1.159
23.80	1.008	0.081	0.032	0.033	1.154
23.83	1.004	0.080	0.032	0.033	1.150
23.87	1.001	0.080	0.032	0.033	1.145
23.90	0.997	0.080	0.032	0.033	1.141
23.93	0.993	0.079	0.032	0.033	1.136
23.97	0.989	0.079	0.031	0.032	1.132
24.00	0.985	0.079	0.031	0.032	1.127
24.03	0.976	0.076	0.031	0.032	1.115
24.07	0.962	0.072	0.030	0.030	1.094
24.10	0.943	0.065	0.029	0.029	1.066
24.13	0.919	0.056	0.027	0.026	1.029
24.17	0.891	0.048	0.025	0.024	0.988
24.20	0.857	0.041	0.023	0.021	0.942
24.23	0.819	0.034	0.021	0.018	0.892
24.27	0.776	0.028	0.019	0.016	0.838
24.30	0.728	0.022	0.017	0.014	0.780
24.33	0.681	0.017	0.015	0.012	0.725
24.37	0.636	0.013	0.013	0.010	0.672
24.40	0.593	0.009	0.011	0.008	0.622
24.43	0.552	0.006	0.010	0.007	0.574
24.47	0.511	0.004	0.008	0.005	0.529
24.50	0.473	0.002	0.007	0.004	0.486
24.53	0.436	0.001	0.006	0.003	0.446

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TOTAL EX. BYPASS FLOW

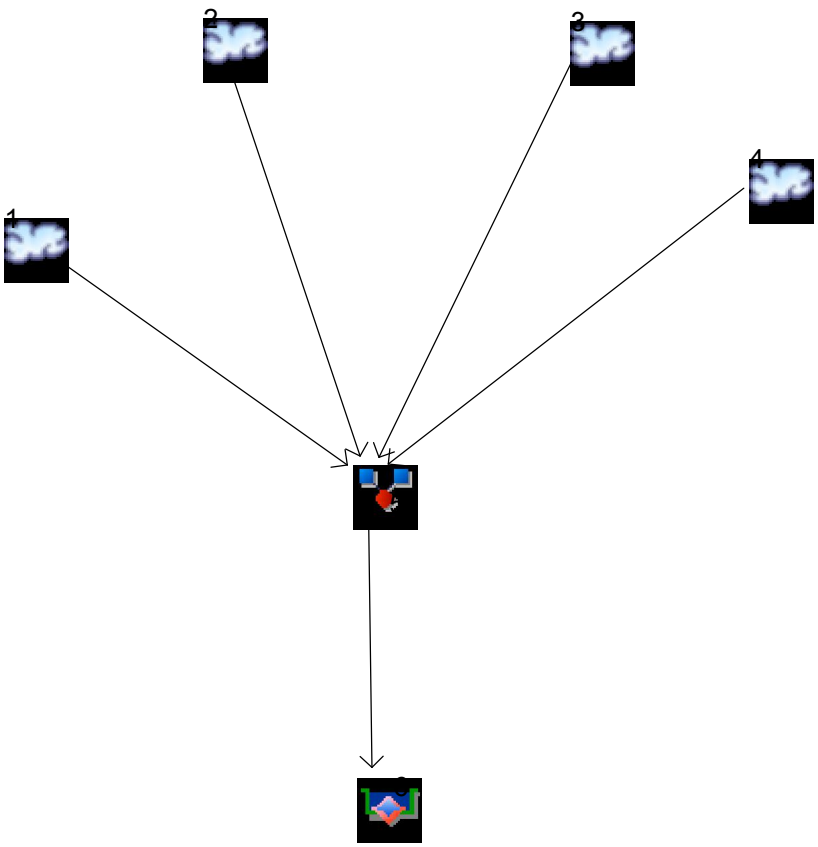
Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
24.57	0.400	0.000	0.005	0.002	0.408
24.60	0.367	0.000	0.004	0.002	0.372

...End

ROUTED EXISTING FLOW

Watershed Model Schematic



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	8.060	2	750	58,143	----	------	------	AREA #2
2	SCS Runoff	6.325	2	758	55,838	----	------	------	AREA #5
3	SCS Runoff	0.839	2	792	14,449	----	------	------	AREA #3
4	SCS Runoff	0.599	2	764	8,050	----	------	------	AREA #6
5	Combine	15.33	2	754	136,481	1, 2, 3, 4	------	------	TOAL EX- FLOW TO DITCH
6	Reservoir(i)	8.586	2	798	136,477	5	95.08	31,820	EXIST ROUTED FLOW

Hydrograph Report

Hyd. No. 1

AREA #2

Hydrograph type	= SCS Runoff	Peak discharge	= 8.060 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.50 hrs
Time interval	= 2 min	Hyd. volume	= 299,806 cuft
Drainage area	= 17.170 ac	Curve number	= 71*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.9 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(11.550 x 70) + (2.588 x 55) + (0.310 x 77) + (0.010 x 70) + (1.260 x 85) + (1.450 x 98)] / 17.170

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.47	0.087	12.73	7.024	14.00	1.759	15.27	1.234
11.50	0.105	12.77	6.781	14.03	1.738	15.30	1.223
11.53	0.125	12.80	6.529	14.07	1.717	15.33	1.213
11.57	0.148	12.83	6.271	14.10	1.697	15.37	1.202
11.60	0.177	12.87	6.005	14.13	1.678	15.40	1.192
11.63	0.211	12.90	5.734	14.17	1.658	15.43	1.181
11.67	0.254	12.93	5.458	14.20	1.640	15.47	1.171
11.70	0.307	12.97	5.178	14.23	1.621	15.50	1.160
11.73	0.374	13.00	4.895	14.27	1.604	15.53	1.149
11.77	0.457	13.03	4.612	14.30	1.586	15.57	1.139
11.80	0.558	13.07	4.329	14.33	1.570	15.60	1.128
11.83	0.682	13.10	4.049	14.37	1.553	15.63	1.117
11.87	0.829	13.13	3.778	14.40	1.538	15.67	1.106
11.90	1.004	13.17	3.524	14.43	1.522	15.70	1.095
11.93	1.220	13.20	3.299	14.47	1.508	15.73	1.084
11.97	1.504	13.23	3.109	14.50	1.493	15.77	1.073
12.00	1.891	13.27	2.946	14.53	1.479	15.80	1.062
12.03	2.392	13.30	2.804	14.57	1.466	15.83	1.051
12.07	2.978	13.33	2.677	14.60	1.453	15.87	1.040
12.10	3.615	13.37	2.564	14.63	1.440	15.90	1.029
12.13	4.279	13.40	2.464	14.67	1.427	15.93	1.018
12.17	4.960	13.43	2.377	14.70	1.415	15.97	1.007
12.20	5.633	13.47	2.301	14.73	1.403	16.00	0.995
12.23	6.257	13.50	2.235	14.77	1.392	16.03	0.984
12.27	6.776	13.53	2.178	14.80	1.380	16.07	0.973
12.30	7.168	13.57	2.129	14.83	1.369	16.10	0.962
12.33	7.459	13.60	2.087	14.87	1.358	16.13	0.951
12.37	7.682	13.63	2.050	14.90	1.347	16.17	0.940
12.40	7.854	13.67	2.017	14.93	1.337	16.20	0.930
12.43	7.976	13.70	1.985	14.97	1.326	16.23	0.919
12.47	8.044	13.73	1.956	15.00	1.316	16.27	0.909
12.50	8.060 <<	13.77	1.927	15.03	1.306	16.30	0.900
12.53	8.024	13.80	1.900	15.07	1.295	16.33	0.890
12.57	7.942	13.83	1.874	15.10	1.285	16.37	0.882
12.60	7.819	13.87	1.850	15.13	1.275	16.40	0.873
12.63	7.659	13.90	1.826	15.17	1.265	16.43	0.865
12.67	7.470	13.93	1.803	15.20	1.254	16.47	0.857
12.70	7.256	13.97	1.780	15.23	1.244	16.50	0.849

Continues on next page...

AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.53	0.841	18.37	0.553	20.20	0.452	22.03	0.371
16.57	0.834	18.40	0.550	20.23	0.451	22.07	0.375
16.60	0.827	18.43	0.546	20.27	0.449	22.10	0.379
16.63	0.820	18.47	0.543	20.30	0.448	22.13	0.384
16.67	0.814	18.50	0.540	20.33	0.446	22.17	0.388
16.70	0.808	18.53	0.537	20.37	0.445	22.20	0.393
16.73	0.801	18.57	0.534	20.40	0.443	22.23	0.398
16.77	0.795	18.60	0.531	20.43	0.442	22.27	0.403
16.80	0.790	18.63	0.529	20.47	0.440	22.30	0.402
16.83	0.784	18.67	0.526	20.50	0.438	22.33	0.400
16.87	0.778	18.70	0.524	20.53	0.437	22.37	0.398
16.90	0.773	18.73	0.522	20.57	0.435	22.40	0.397
16.93	0.767	18.77	0.520	20.60	0.434	22.43	0.395
16.97	0.762	18.80	0.518	20.63	0.432	22.47	0.393
17.00	0.757	18.83	0.516	20.67	0.431	22.50	0.391
17.03	0.752	18.87	0.514	20.70	0.429	22.53	0.389
17.07	0.747	18.90	0.512	20.73	0.428	22.57	0.387
17.10	0.742	18.93	0.510	20.77	0.426	22.60	0.385
17.13	0.737	18.97	0.509	20.80	0.424	22.63	0.383
17.17	0.732	19.00	0.507	20.83	0.423	22.67	0.381
17.20	0.727	19.03	0.506	20.87	0.421	22.70	0.379
17.23	0.722	19.07	0.504	20.90	0.420	22.73	0.377
17.27	0.717	19.10	0.502	20.93	0.418	22.77	0.375
17.30	0.712	19.13	0.501	20.97	0.416	22.80	0.373
17.33	0.707	19.17	0.500	21.00	0.415	22.83	0.371
17.37	0.702	19.20	0.498	21.03	0.413	22.87	0.368
17.40	0.697	19.23	0.497	21.07	0.412	22.90	0.366
17.43	0.692	19.27	0.495	21.10	0.410	22.93	0.364
17.47	0.687	19.30	0.494	21.13	0.409	22.97	0.361
17.50	0.682	19.33	0.492	21.17	0.407	23.00	0.359
17.53	0.677	19.37	0.491	21.20	0.405	23.03	0.356
17.57	0.671	19.40	0.489	21.23	0.404	23.07	0.354
17.60	0.666	19.43	0.488	21.27	0.402	23.10	0.351
17.63	0.661	19.47	0.486	21.30	0.401	23.13	0.349
17.67	0.656	19.50	0.485	21.33	0.399	23.17	0.346
17.70	0.651	19.53	0.483	21.37	0.397	23.20	0.343
17.73	0.646	19.57	0.481	21.40	0.396	23.23	0.342
17.77	0.641	19.60	0.480	21.43	0.394	23.27	0.341
17.80	0.636	19.63	0.478	21.47	0.393	23.30	0.339
17.83	0.630	19.67	0.477	21.50	0.391	23.33	0.338
17.87	0.625	19.70	0.475	21.53	0.389	23.37	0.337
17.90	0.620	19.73	0.474	21.57	0.388	23.40	0.336
17.93	0.615	19.77	0.472	21.60	0.386	23.43	0.335
17.97	0.610	19.80	0.471	21.63	0.385	23.47	0.333
18.00	0.604	19.83	0.469	21.67	0.383	23.50	0.332
18.03	0.599	19.87	0.468	21.70	0.381	23.53	0.331
18.07	0.594	19.90	0.466	21.73	0.380	23.57	0.330
18.10	0.589	19.93	0.465	21.77	0.378	23.60	0.328
18.13	0.584	19.97	0.463	21.80	0.376	23.63	0.327
18.17	0.579	20.00	0.462	21.83	0.375	23.67	0.326
18.20	0.574	20.03	0.460	21.87	0.373	23.70	0.325
18.23	0.570	20.07	0.459	21.90	0.372	23.73	0.323
18.27	0.565	20.10	0.457	21.93	0.370	23.77	0.322
18.30	0.561	20.13	0.456	21.97	0.368	23.80	0.321
18.33	0.557	20.17	0.454	22.00	0.367	23.83	0.320

Continues on next page...

AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
23.87	0.319
23.90	0.317
23.93	0.316
23.97	0.315
24.00	0.314
24.03	0.310
24.07	0.305
24.10	0.298
24.13	0.288
24.17	0.277
24.20	0.263
24.23	0.248
24.27	0.231
24.30	0.214
24.33	0.198
24.37	0.182
24.40	0.167
24.43	0.153
24.47	0.140
24.50	0.127
24.53	0.115
24.57	0.103
24.60	0.092
24.63	0.082

...End

TR55 Tc Worksheet

Hyd. No. 1

AREA #2

Description	A	B	C	Totals
Sheet Flow				
Manning's n-value	= 0.170	0.011	0.011	
Flow length (ft)	= 100.0	0.0	0.0	
Two-year 24-hr precip. (in)	= 3.30	0.00	0.00	
Land slope (%)	= 0.82	0.00	0.00	
Travel Time (min)	**= 15.23**	**+ 0.00**	**+ 0.00**	**= 15.23**
Shallow Concentrated Flow				
Flow length (ft)	= 1095.00	0.00	0.00	
Watercourse slope (%)	= 1.71	0.00	0.00	
Surface description	= Unpaved	Paved	Paved	
Average velocity (ft/s)	= 2.11	0.00	0.00	
Travel Time (min)	**= 8.65**	**+ 0.00**	**+ 0.00**	**= 8.65**
Channel Flow				
X sectional flow area (sqft)	= 0.00	0.00	0.00	
Wetted perimeter (ft)	= 0.00	0.00	0.00	
Channel slope (%)	= 0.00	0.00	0.00	
Manning's n-value	= 0.015	0.015	0.015	
Velocity (ft/s)	= 0.00	0.00	0.00	
Flow length (ft)	= 0.0	0.0	0.0	
Travel Time (min)	**= 0.00**	**+ 0.00**	**+ 0.00**	**= 0.00**

Total Travel Time, Tc ..... 23.90 min

Hydrograph Report

Hyd. No. 2

AREA #5

Hydrograph type	= SCS Runoff	Peak discharge	= 6.325 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.63 hrs
Time interval	= 2 min	Hyd. volume	= 255,275 cuft
Drainage area	= 13.320 ac	Curve number	= 75*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 38.0 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.167 x 70) + (1.286 x 55) + (2.250 x 77) + (0.070 x 70) + (2.547 x 98)] / 13.320

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.03	0.066	12.30	4.590	13.57	3.203	14.83	1.322
11.07	0.073	12.33	4.964	13.60	3.059	14.87	1.309
11.10	0.082	12.37	5.304	13.63	2.917	14.90	1.297
11.13	0.090	12.40	5.587	13.67	2.778	14.93	1.285
11.17	0.100	12.43	5.805	13.70	2.643	14.97	1.273
11.20	0.110	12.47	5.970	13.73	2.512	15.00	1.261
11.23	0.120	12.50	6.096	13.77	2.391	15.03	1.250
11.27	0.132	12.53	6.193	13.80	2.285	15.07	1.239
11.30	0.144	12.57	6.263	13.83	2.193	15.10	1.227
11.33	0.157	12.60	6.306	13.87	2.115	15.13	1.216
11.37	0.172	12.63	6.325 <<	13.90	2.044	15.17	1.206
11.40	0.187	12.67	6.321	13.93	1.981	15.20	1.195
11.43	0.203	12.70	6.297	13.97	1.923	15.23	1.184
11.47	0.221	12.73	6.256	14.00	1.871	15.27	1.174
11.50	0.239	12.77	6.198	14.03	1.824	15.30	1.163
11.53	0.259	12.80	6.126	14.07	1.782	15.33	1.153
11.57	0.282	12.83	6.044	14.10	1.744	15.37	1.143
11.60	0.308	12.87	5.953	14.13	1.710	15.40	1.133
11.63	0.337	12.90	5.856	14.17	1.680	15.43	1.123
11.67	0.371	12.93	5.755	14.20	1.652	15.47	1.113
11.70	0.412	12.97	5.648	14.23	1.627	15.50	1.103
11.73	0.460	13.00	5.538	14.27	1.603	15.53	1.093
11.77	0.517	13.03	5.422	14.30	1.581	15.57	1.083
11.80	0.584	13.07	5.303	14.33	1.559	15.60	1.074
11.83	0.663	13.10	5.179	14.37	1.538	15.63	1.064
11.87	0.756	13.13	5.052	14.40	1.519	15.67	1.054
11.90	0.865	13.17	4.922	14.43	1.500	15.70	1.045
11.93	0.996	13.20	4.788	14.47	1.482	15.73	1.035
11.97	1.163	13.23	4.651	14.50	1.465	15.77	1.025
12.00	1.381	13.27	4.512	14.53	1.448	15.80	1.015
12.03	1.654	13.30	4.370	14.57	1.432	15.83	1.006
12.07	1.968	13.33	4.227	14.60	1.417	15.87	0.996
12.10	2.309	13.37	4.081	14.63	1.402	15.90	0.986
12.13	2.667	13.40	3.935	14.67	1.388	15.93	0.976
12.17	3.040	13.43	3.788	14.70	1.374	15.97	0.966
12.20	3.422	13.47	3.641	14.73	1.360	16.00	0.956
12.23	3.811	13.50	3.495	14.77	1.347	16.03	0.946
12.27	4.202	13.53	3.348	14.80	1.334	16.07	0.936

Continues on next page...

AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.10	0.926	17.93	0.575	19.77	0.424	21.60	0.348
16.13	0.916	17.97	0.570	19.80	0.423	21.63	0.346
16.17	0.907	18.00	0.566	19.83	0.421	21.67	0.345
16.20	0.897	18.03	0.561	19.87	0.420	21.70	0.344
16.23	0.887	18.07	0.557	19.90	0.419	21.73	0.342
16.27	0.878	18.10	0.552	19.93	0.417	21.77	0.341
16.30	0.868	18.13	0.548	19.97	0.416	21.80	0.339
16.33	0.859	18.17	0.543	20.00	0.415	21.83	0.338
16.37	0.850	18.20	0.539	20.03	0.413	21.87	0.336
16.40	0.841	18.23	0.534	20.07	0.412	21.90	0.335
16.43	0.832	18.27	0.530	20.10	0.410	21.93	0.334
16.47	0.824	18.30	0.526	20.13	0.409	21.97	0.332
16.50	0.816	18.33	0.522	20.17	0.408	22.00	0.331
16.53	0.808	18.37	0.518	20.20	0.406	22.03	0.331
16.57	0.800	18.40	0.514	20.23	0.405	22.07	0.332
16.60	0.792	18.43	0.510	20.27	0.404	22.10	0.333
16.63	0.785	18.47	0.506	20.30	0.402	22.13	0.334
16.67	0.777	18.50	0.503	20.33	0.401	22.17	0.335
16.70	0.770	18.53	0.499	20.37	0.399	22.20	0.336
16.73	0.763	18.57	0.496	20.40	0.398	22.23	0.337
16.77	0.756	18.60	0.493	20.43	0.397	22.27	0.339
16.80	0.749	18.63	0.490	20.47	0.395	22.30	0.340
16.83	0.743	18.67	0.487	20.50	0.394	22.33	0.341
16.87	0.736	18.70	0.484	20.53	0.393	22.37	0.343
16.90	0.730	18.73	0.481	20.57	0.391	22.40	0.344
16.93	0.724	18.77	0.478	20.60	0.390	22.43	0.343
16.97	0.718	18.80	0.475	20.63	0.388	22.47	0.342
17.00	0.712	18.83	0.473	20.67	0.387	22.50	0.341
17.03	0.706	18.87	0.470	20.70	0.386	22.53	0.340
17.07	0.701	18.90	0.468	20.73	0.384	22.57	0.339
17.10	0.695	18.93	0.466	20.77	0.383	22.60	0.338
17.13	0.690	18.97	0.463	20.80	0.381	22.63	0.336
17.17	0.684	19.00	0.461	20.83	0.380	22.67	0.335
17.20	0.679	19.03	0.459	20.87	0.379	22.70	0.334
17.23	0.674	19.07	0.457	20.90	0.377	22.73	0.333
17.27	0.669	19.10	0.455	20.93	0.376	22.77	0.332
17.30	0.663	19.13	0.453	20.97	0.375	22.80	0.330
17.33	0.658	19.17	0.451	21.00	0.373	22.83	0.329
17.37	0.654	19.20	0.450	21.03	0.372	22.87	0.328
17.40	0.649	19.23	0.448	21.07	0.370	22.90	0.327
17.43	0.644	19.27	0.446	21.10	0.369	22.93	0.325
17.47	0.639	19.30	0.444	21.13	0.368	22.97	0.324
17.50	0.634	19.33	0.443	21.17	0.366	23.00	0.323
17.53	0.630	19.37	0.441	21.20	0.365	23.03	0.322
17.57	0.625	19.40	0.440	21.23	0.363	23.07	0.320
17.60	0.621	19.43	0.438	21.27	0.362	23.10	0.319
17.63	0.616	19.47	0.437	21.30	0.360	23.13	0.318
17.67	0.611	19.50	0.435	21.33	0.359	23.17	0.316
17.70	0.607	19.53	0.434	21.37	0.358	23.20	0.315
17.73	0.602	19.57	0.432	21.40	0.356	23.23	0.314
17.77	0.598	19.60	0.431	21.43	0.355	23.27	0.312
17.80	0.593	19.63	0.430	21.47	0.353	23.30	0.311
17.83	0.589	19.67	0.428	21.50	0.352	23.33	0.309
17.87	0.584	19.70	0.427	21.53	0.351	23.37	0.308
17.90	0.580	19.73	0.425	21.57	0.349	23.40	0.306

Continues on next page...

AREA #5

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
23.43	0.305
23.47	0.303
23.50	0.302
23.53	0.300
23.57	0.299
23.60	0.297
23.63	0.296
23.67	0.294
23.70	0.292
23.73	0.291
23.77	0.289
23.80	0.288
23.83	0.286
23.87	0.285
23.90	0.284
23.93	0.283
23.97	0.282
24.00	0.281
24.03	0.279
24.07	0.276
24.10	0.273
24.13	0.269
24.17	0.264
24.20	0.258
24.23	0.251
24.27	0.244
24.30	0.236
24.33	0.227
24.37	0.217
24.40	0.207
24.43	0.197
24.47	0.187
24.50	0.177
24.53	0.168
24.57	0.159
24.60	0.150
24.63	0.142
24.67	0.133
24.70	0.125
24.73	0.118
24.77	0.110
24.80	0.103
24.83	0.096
24.87	0.089
24.90	0.083
24.93	0.076
24.97	0.070
25.00	0.065

...End

TR55 Tc Worksheet

Hyd. No. 2

AREA #5

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.011		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.30		0.00		0.00		
Land slope (%)	= 0.73		0.00		0.00		
Travel Time (min)	**= 1.79**	**+**	**0.00**	**+**	**0.00**	**=**	**1.79**
Shallow Concentrated Flow							
Flow length (ft)	= 125.00		0.00		0.00		
Watercourse slope (%)	= 0.73		0.00		0.00		
Surface description	= Paved		Paved		Paved		
Average velocity (ft/s)	= 1.74		0.00		0.00		
Travel Time (min)	**= 1.20**	**+**	**0.00**	**+**	**0.00**	**=**	**1.20**
Channel Flow							
X sectional flow area (sqft)	= 3.14		150.00		0.00		
Wetted perimeter (ft)	= 6.28		122.00		0.00		
Channel slope (%)	= 0.50		0.10		0.00		
Manning's n-value	= 0.013		0.240		0.026		
Velocity (ft/s)	= 5.09		0.23		0.00		
Flow length (ft)	= 1115.0		425.0		0.0		
Travel Time (min)	**= 3.65**	**+**	**31.42**	**+**	**0.00**	**=**	**35.06**

Total Travel Time, Tc ..... 38.00 min

Hydrograph Report

Hyd. No. 3

AREA #3

Hydrograph type	= SCS Runoff	Peak discharge	= 0.839 cfs
Storm frequency	= 2 yrs	Time to peak	= 13.20 hrs
Time interval	= 2 min	Hyd. volume	= 153,751 cuft
Drainage area	= 14.130 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 40.9 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(13.840 x 55) + (0.290 x 70)] / 14.130

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
12.07	0.009	13.33	0.834	14.60	0.526	15.87	0.407
12.10	0.020	13.37	0.830	14.63	0.522	15.90	0.404
12.13	0.035	13.40	0.827	14.67	0.519	15.93	0.401
12.17	0.055	13.43	0.822	14.70	0.515	15.97	0.398
12.20	0.079	13.47	0.817	14.73	0.511	16.00	0.394
12.23	0.108	13.50	0.812	14.77	0.508	16.03	0.391
12.27	0.141	13.53	0.805	14.80	0.505	16.07	0.388
12.30	0.179	13.57	0.799	14.83	0.501	16.10	0.384
12.33	0.221	13.60	0.792	14.87	0.498	16.13	0.381
12.37	0.267	13.63	0.784	14.90	0.495	16.17	0.378
12.40	0.317	13.67	0.775	14.93	0.492	16.20	0.374
12.43	0.370	13.70	0.767	14.97	0.489	16.23	0.371
12.47	0.423	13.73	0.757	15.00	0.486	16.27	0.368
12.50	0.473	13.77	0.747	15.03	0.483	16.30	0.364
12.53	0.519	13.80	0.736	15.07	0.479	16.33	0.361
12.57	0.562	13.83	0.725	15.10	0.476	16.37	0.358
12.60	0.601	13.87	0.713	15.13	0.473	16.40	0.355
12.63	0.637	13.90	0.701	15.17	0.470	16.43	0.352
12.67	0.669	13.93	0.688	15.20	0.467	16.47	0.349
12.70	0.697	13.97	0.675	15.23	0.464	16.50	0.346
12.73	0.721	14.00	0.661	15.27	0.461	16.53	0.343
12.77	0.742	14.03	0.648	15.30	0.458	16.57	0.340
12.80	0.760	14.07	0.636	15.33	0.455	16.60	0.337
12.83	0.774	14.10	0.625	15.37	0.453	16.63	0.334
12.87	0.787	14.13	0.614	15.40	0.450	16.67	0.332
12.90	0.797	14.17	0.604	15.43	0.447	16.70	0.329
12.93	0.806	14.20	0.594	15.47	0.444	16.73	0.326
12.97	0.814	14.23	0.586	15.50	0.441	16.77	0.324
13.00	0.821	14.27	0.578	15.53	0.438	16.80	0.321
13.03	0.826	14.30	0.571	15.57	0.435	16.83	0.319
13.07	0.831	14.33	0.565	15.60	0.432	16.87	0.316
13.10	0.835	14.37	0.559	15.63	0.429	16.90	0.314
13.13	0.837	14.40	0.553	15.67	0.426	16.93	0.312
13.17	0.839	14.43	0.548	15.70	0.423	16.97	0.309
13.20	0.839 <<	14.47	0.544	15.73	0.420	17.00	0.307
13.23	0.839	14.50	0.539	15.77	0.417	17.03	0.305
13.27	0.838	14.53	0.535	15.80	0.414	17.07	0.303
13.30	0.836	14.57	0.530	15.83	0.410	17.10	0.301

Continues on next page...

AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
17.13	0.298	18.97	0.209	20.80	0.177	22.63	0.159
17.17	0.296	19.00	0.208	20.83	0.176	22.67	0.158
17.20	0.294	19.03	0.207	20.87	0.176	22.70	0.158
17.23	0.292	19.07	0.207	20.90	0.175	22.73	0.157
17.27	0.290	19.10	0.206	20.93	0.174	22.77	0.157
17.30	0.288	19.13	0.205	20.97	0.174	22.80	0.156
17.33	0.286	19.17	0.204	21.00	0.173	22.83	0.156
17.37	0.285	19.20	0.203	21.03	0.173	22.87	0.155
17.40	0.283	19.23	0.203	21.07	0.172	22.90	0.155
17.43	0.281	19.27	0.202	21.10	0.172	22.93	0.154
17.47	0.279	19.30	0.201	21.13	0.171	22.97	0.154
17.50	0.277	19.33	0.201	21.17	0.170	23.00	0.153
17.53	0.275	19.37	0.200	21.20	0.170	23.03	0.153
17.57	0.274	19.40	0.199	21.23	0.169	23.07	0.152
17.60	0.272	19.43	0.199	21.27	0.169	23.10	0.152
17.63	0.270	19.47	0.198	21.30	0.168	23.13	0.151
17.67	0.268	19.50	0.197	21.33	0.168	23.17	0.151
17.70	0.266	19.53	0.197	21.37	0.167	23.20	0.150
17.73	0.265	19.57	0.196	21.40	0.166	23.23	0.150
17.77	0.263	19.60	0.196	21.43	0.166	23.27	0.149
17.80	0.261	19.63	0.195	21.47	0.165	23.30	0.148
17.83	0.259	19.67	0.195	21.50	0.165	23.33	0.148
17.87	0.258	19.70	0.194	21.53	0.164	23.37	0.147
17.90	0.256	19.73	0.194	21.57	0.164	23.40	0.147
17.93	0.254	19.77	0.193	21.60	0.163	23.43	0.146
17.97	0.252	19.80	0.193	21.63	0.162	23.47	0.146
18.00	0.251	19.83	0.192	21.67	0.162	23.50	0.145
18.03	0.249	19.87	0.192	21.70	0.161	23.53	0.144
18.07	0.247	19.90	0.191	21.73	0.161	23.57	0.144
18.10	0.245	19.93	0.190	21.77	0.160	23.60	0.143
18.13	0.243	19.97	0.190	21.80	0.159	23.63	0.142
18.17	0.242	20.00	0.189	21.83	0.159	23.67	0.142
18.20	0.240	20.03	0.189	21.87	0.158	23.70	0.141
18.23	0.238	20.07	0.188	21.90	0.158	23.73	0.141
18.27	0.237	20.10	0.188	21.93	0.157	23.77	0.140
18.30	0.235	20.13	0.187	21.97	0.156	23.80	0.139
18.33	0.233	20.17	0.187	22.00	0.156	23.83	0.139
18.37	0.232	20.20	0.186	22.03	0.156	23.87	0.138
18.40	0.230	20.23	0.186	22.07	0.156	23.90	0.137
18.43	0.228	20.27	0.185	22.10	0.157	23.93	0.136
18.47	0.227	20.30	0.185	22.13	0.157	23.97	0.136
18.50	0.225	20.33	0.184	22.17	0.157	24.00	0.135
18.53	0.224	20.37	0.184	22.20	0.158	24.03	0.134
18.57	0.223	20.40	0.183	22.23	0.158	24.07	0.133
18.60	0.221	20.43	0.183	22.27	0.159	24.10	0.132
18.63	0.220	20.47	0.182	22.30	0.159	24.13	0.130
18.67	0.219	20.50	0.182	22.33	0.160	24.17	0.128
18.70	0.218	20.53	0.181	22.37	0.160	24.20	0.126
18.73	0.216	20.57	0.180	22.40	0.161	24.23	0.123
18.77	0.215	20.60	0.180	22.43	0.161	24.27	0.120
18.80	0.214	20.63	0.179	22.47	0.161	24.30	0.117
18.83	0.213	20.67	0.179	22.50	0.161	24.33	0.113
18.87	0.212	20.70	0.178	22.53	0.160	24.37	0.109
18.90	0.211	20.73	0.178	22.57	0.160	24.40	0.105
18.93	0.210	20.77	0.177	22.60	0.159	24.43	0.100

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AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
24.47	0.096
24.50	0.091
24.53	0.087
24.57	0.083
24.60	0.079
24.63	0.075
24.67	0.071
24.70	0.067
24.73	0.064
24.77	0.060
24.80	0.057
24.83	0.053
24.87	0.050
24.90	0.047
24.93	0.044
24.97	0.041
25.00	0.038
25.03	0.036
25.07	0.033
25.10	0.031
25.13	0.028
25.17	0.026
25.20	0.024
25.23	0.022
25.27	0.020
25.30	0.018
25.33	0.016
25.37	0.014
25.40	0.013
25.43	0.011
25.47	0.010
25.50	0.008

...End

TR55 Tc Worksheet

Hyd. No. 3

AREA #3

Description	A	B	C	Totals
Sheet Flow				
Manning's n-value	= 0.600	0.011	0.011	
Flow length (ft)	= 100.0	0.0	0.0	
Two-year 24-hr precip. (in)	= 3.30	0.00	0.00	
Land slope (%)	= 1.33	0.00	0.00	
Travel Time (min)	**= 34.43**	**+ 0.00**	**+ 0.00**	**= 34.43**
Shallow Concentrated Flow				
Flow length (ft)	= 905.00	0.00	0.00	
Watercourse slope (%)	= 2.10	0.00	0.00	
Surface description	= Unpaved	Unpaved	Paved	
Average velocity (ft/s)	= 2.34	0.00	0.00	
Travel Time (min)	**= 6.45**	**+ 0.00**	**+ 0.00**	**= 6.45**
Channel Flow				
X sectional flow area (sqft)	= 0.00	0.00	0.00	
Wetted perimeter (ft)	= 0.00	0.00	0.00	
Channel slope (%)	= 0.00	0.00	0.00	
Manning's n-value	= 0.015	0.015	0.015	
Velocity (ft/s)	= 0.00	0.00	0.00	
Flow length (ft)	= 0.0	0.0	0.0	
Travel Time (min)	**= 0.00**	**+ 0.00**	**+ 0.00**	**= 0.00**

Total Travel Time, Tc ..... 40.88 min

Hydrograph Report

Hyd. No. 4

AREA #6

Hydrograph type	= SCS Runoff	Peak discharge	= 0.599 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.73 hrs
Time interval	= 2 min	Hyd. volume	= 85,664 cuft
Drainage area	= 7.940 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.8 min
Total precip.	= 3.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.940 x 55)] / 7.940

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
12.07	0.013	13.33	0.416	14.60	0.273	15.87	0.211
12.10	0.030	13.37	0.403	14.63	0.271	15.90	0.209
12.13	0.053	13.40	0.392	14.67	0.270	15.93	0.207
12.17	0.082	13.43	0.383	14.70	0.268	15.97	0.205
12.20	0.117	13.47	0.374	14.73	0.266	16.00	0.203
12.23	0.160	13.50	0.366	14.77	0.265	16.03	0.201
12.27	0.210	13.53	0.360	14.80	0.263	16.07	0.199
12.30	0.261	13.57	0.354	14.83	0.262	16.10	0.197
12.33	0.311	13.60	0.349	14.87	0.260	16.13	0.195
12.37	0.358	13.63	0.345	14.90	0.259	16.17	0.193
12.40	0.403	13.67	0.342	14.93	0.257	16.20	0.191
12.43	0.444	13.70	0.338	14.97	0.256	16.23	0.189
12.47	0.481	13.73	0.335	15.00	0.254	16.27	0.187
12.50	0.513	13.77	0.332	15.03	0.253	16.30	0.185
12.53	0.539	13.80	0.328	15.07	0.252	16.33	0.184
12.57	0.559	13.83	0.325	15.10	0.250	16.37	0.182
12.60	0.575	13.87	0.323	15.13	0.249	16.40	0.180
12.63	0.586	13.90	0.320	15.17	0.247	16.43	0.179
12.67	0.593	13.93	0.317	15.20	0.246	16.47	0.178
12.70	0.597	13.97	0.315	15.23	0.244	16.50	0.176
12.73	0.599 <<	14.00	0.312	15.27	0.242	16.53	0.175
12.77	0.598	14.03	0.309	15.30	0.241	16.57	0.173
12.80	0.597	14.07	0.307	15.33	0.239	16.60	0.172
12.83	0.594	14.10	0.304	15.37	0.238	16.63	0.171
12.87	0.589	14.13	0.302	15.40	0.236	16.67	0.170
12.90	0.584	14.17	0.300	15.43	0.234	16.70	0.169
12.93	0.577	14.20	0.297	15.47	0.233	16.73	0.168
12.97	0.569	14.23	0.295	15.50	0.231	16.77	0.166
13.00	0.559	14.27	0.292	15.53	0.229	16.80	0.165
13.03	0.548	14.30	0.290	15.57	0.227	16.83	0.164
13.07	0.536	14.33	0.288	15.60	0.226	16.87	0.163
13.10	0.522	14.37	0.286	15.63	0.224	16.90	0.162
13.13	0.508	14.40	0.284	15.67	0.222	16.93	0.161
13.17	0.492	14.43	0.282	15.70	0.220	16.97	0.160
13.20	0.475	14.47	0.280	15.73	0.218	17.00	0.159
13.23	0.459	14.50	0.278	15.77	0.216	17.03	0.159
13.27	0.443	14.53	0.276	15.80	0.215	17.07	0.158
13.30	0.429	14.57	0.275	15.83	0.213	17.10	0.157

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AREA #6

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
17.13	0.156	18.97	0.112	20.80	0.096	22.63	0.088
17.17	0.155	19.00	0.111	20.83	0.095	22.67	0.088
17.20	0.154	19.03	0.111	20.87	0.095	22.70	0.087
17.23	0.153	19.07	0.111	20.90	0.095	22.73	0.087
17.27	0.152	19.10	0.111	20.93	0.094	22.77	0.086
17.30	0.151	19.13	0.110	20.97	0.094	22.80	0.086
17.33	0.150	19.17	0.110	21.00	0.094	22.83	0.085
17.37	0.149	19.20	0.110	21.03	0.093	22.87	0.085
17.40	0.148	19.23	0.109	21.07	0.093	22.90	0.084
17.43	0.147	19.27	0.109	21.10	0.093	22.93	0.084
17.47	0.146	19.30	0.109	21.13	0.092	22.97	0.083
17.50	0.145	19.33	0.109	21.17	0.092	23.00	0.083
17.53	0.144	19.37	0.108	21.20	0.092	23.03	0.082
17.57	0.143	19.40	0.108	21.23	0.091	23.07	0.082
17.60	0.143	19.43	0.108	21.27	0.091	23.10	0.081
17.63	0.142	19.47	0.108	21.30	0.091	23.13	0.080
17.67	0.141	19.50	0.107	21.33	0.090	23.17	0.080
17.70	0.140	19.53	0.107	21.37	0.090	23.20	0.079
17.73	0.139	19.57	0.107	21.40	0.090	23.23	0.079
17.77	0.138	19.60	0.106	21.43	0.089	23.27	0.079
17.80	0.137	19.63	0.106	21.47	0.089	23.30	0.078
17.83	0.136	19.67	0.106	21.50	0.089	23.33	0.078
17.87	0.134	19.70	0.106	21.53	0.088	23.37	0.078
17.90	0.133	19.73	0.105	21.57	0.088	23.40	0.078
17.93	0.132	19.77	0.105	21.60	0.088	23.43	0.077
17.97	0.131	19.80	0.105	21.63	0.087	23.47	0.077
18.00	0.130	19.83	0.104	21.67	0.087	23.50	0.077
18.03	0.129	19.87	0.104	21.70	0.087	23.53	0.077
18.07	0.128	19.90	0.104	21.73	0.086	23.57	0.076
18.10	0.127	19.93	0.103	21.77	0.086	23.60	0.076
18.13	0.126	19.97	0.103	21.80	0.086	23.63	0.076
18.17	0.125	20.00	0.103	21.83	0.085	23.67	0.076
18.20	0.124	20.03	0.103	21.87	0.085	23.70	0.075
18.23	0.123	20.07	0.102	21.90	0.085	23.73	0.075
18.27	0.123	20.10	0.102	21.93	0.084	23.77	0.075
18.30	0.122	20.13	0.102	21.97	0.084	23.80	0.074
18.33	0.121	20.17	0.101	22.00	0.084	23.83	0.074
18.37	0.120	20.20	0.101	22.03	0.085	23.87	0.074
18.40	0.119	20.23	0.101	22.07	0.086	23.90	0.074
18.43	0.119	20.27	0.101	22.10	0.087	23.93	0.073
18.47	0.118	20.30	0.100	22.13	0.088	23.97	0.073
18.50	0.118	20.33	0.100	22.17	0.089	24.00	0.073
18.53	0.117	20.37	0.100	22.20	0.090	24.03	0.072
18.57	0.116	20.40	0.099	22.23	0.091	24.07	0.071
18.60	0.116	20.43	0.099	22.27	0.092	24.10	0.069
18.63	0.115	20.47	0.099	22.30	0.092	24.13	0.067
18.67	0.115	20.50	0.098	22.33	0.092	24.17	0.064
18.70	0.115	20.53	0.098	22.37	0.091	24.20	0.061
18.73	0.114	20.57	0.098	22.40	0.091	24.23	0.058
18.77	0.114	20.60	0.097	22.43	0.091	24.27	0.054
18.80	0.113	20.63	0.097	22.47	0.090	24.30	0.050
18.83	0.113	20.67	0.097	22.50	0.090	24.33	0.046
18.87	0.113	20.70	0.097	22.53	0.089	24.37	0.042
18.90	0.112	20.73	0.096	22.57	0.089	24.40	0.039
18.93	0.112	20.77	0.096	22.60	0.089	24.43	0.036

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AREA #6

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
24.47	0.033
24.50	0.030
24.53	0.027
24.57	0.024
24.60	0.021
24.63	0.019
24.67	0.017
24.70	0.015
24.73	0.013
24.77	0.011
24.80	0.009
24.83	0.008
24.87	0.006

...End

TR55 Tc Worksheet

Hyd. No. 4

AREA #6

Description	A		B		C		Totals
Sheet Flow							
Manning's n-value	= 0.400		0.011		0.011		
Flow length (ft)	= 100.0		0.0		0.0		
Two-year 24-hr precip. (in)	= 3.30		0.00		0.00		
Land slope (%)	= 1.80		0.00		0.00		
Travel Time (min)	**= 22.06**	**+**	**0.00**	**+**	**0.00**	**=**	**22.06**
Shallow Concentrated Flow							
Flow length (ft)	= 235.00		0.00		0.00		
Watercourse slope (%)	= 5.10		0.00		0.00		
Surface description	= Unpaved		Paved		Paved		
Average velocity (ft/s)	= 3.64		0.00		0.00		
Travel Time (min)	**= 1.07**	**+**	**0.00**	**+**	**0.00**	**=**	**1.07**
Channel Flow							
X sectional flow area (sqft)	= 150.00		0.00		0.00		
Wetted perimeter (ft)	= 46.62		0.00		0.00		
Channel slope (%)	= 0.80		0.00		0.00		
Manning's n-value	= 0.026		0.015		0.015		
Velocity (ft/s)	= 11.21		0.00		0.00		
Flow length (ft)	= 460.0		0.0		0.0		
Travel Time (min)	**= 0.68**	**+**	**0.00**	**+**	**0.00**	**=**	**0.68**

Total Travel Time, Tc ..... 23.80 min

Hydrograph Report

Hyd. No. 5

TOAL EX- FLOW TO DITCH

Hydrograph type	= Combine	Peak discharge	= 15.33 cfs
Storm frequency	= 2 yrs	Time to peak	= 12.57 hrs
Time interval	= 2 min	Hyd. volume	= 794,495 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 52.560 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
11.30	0.027	0.144	0.000	0.000	0.171
11.33	0.036	0.157	0.000	0.000	0.193
11.37	0.046	0.172	0.000	0.000	0.218
11.40	0.058	0.187	0.000	0.000	0.245
11.43	0.072	0.203	0.000	0.000	0.275
11.47	0.087	0.221	0.000	0.000	0.308
11.50	0.105	0.239	0.000	0.000	0.344
11.53	0.125	0.259	0.000	0.000	0.384
11.57	0.148	0.282	0.000	0.000	0.430
11.60	0.177	0.308	0.000	0.000	0.484
11.63	0.211	0.337	0.000	0.000	0.548
11.67	0.254	0.371	0.000	0.000	0.626
11.70	0.307	0.412	0.000	0.000	0.719
11.73	0.374	0.460	0.000	0.000	0.834
11.77	0.457	0.517	0.000	0.000	0.973
11.80	0.558	0.584	0.000	0.000	1.142
11.83	0.682	0.663	0.000	0.000	1.344
11.87	0.829	0.756	0.000	0.000	1.585
11.90	1.004	0.865	0.000	0.000	1.869
11.93	1.220	0.996	0.000	0.000	2.216
11.97	1.504	1.163	0.000	0.000	2.667
12.00	1.891	1.381	0.000	0.000	3.273
12.03	2.392	1.654	0.002	0.003	4.051
12.07	2.978	1.968	0.009	0.013	4.969
12.10	3.615	2.309	0.020	0.030	5.975
12.13	4.279	2.667	0.035	0.053	7.034
12.17	4.960	3.040	0.055	0.082	8.136
12.20	5.633	3.422	0.079	0.117	9.252
12.23	6.257	3.811	0.108	0.160	10.34
12.27	6.776	4.202	0.141	0.210	11.33
12.30	7.168	4.590	0.179	0.261	12.20
12.33	7.459	4.964	0.221	0.311	12.95
12.37	7.682	5.304	0.267	0.358	13.61
12.40	7.854	5.587	0.317	0.403	14.16
12.43	7.976	5.805	0.370	0.444	14.59
12.47	8.044	5.970	0.423	0.481	14.92
12.50	8.060 <<	6.096	0.473	0.513	15.14
12.53	8.024	6.193	0.519	0.539	15.27
12.57	7.942	6.263	0.562	0.559	15.33 <<
12.60	7.819	6.306	0.601	0.575	15.30
12.63	7.659	6.325 <<	0.637	0.586	15.21
12.67	7.470	6.321	0.669	0.593	15.05
12.70	7.256	6.297	0.697	0.597	14.85
12.73	7.024	6.256	0.721	0.599 <<	14.60

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
12.77	6.781	6.198	0.742	0.598	14.32
12.80	6.529	6.126	0.760	0.597	14.01
12.83	6.271	6.044	0.774	0.594	13.68
12.87	6.005	5.953	0.787	0.589	13.33
12.90	5.734	5.856	0.797	0.584	12.97
12.93	5.458	5.755	0.806	0.577	12.60
12.97	5.178	5.648	0.814	0.569	12.21
13.00	4.895	5.538	0.821	0.559	11.81
13.03	4.612	5.422	0.826	0.548	11.41
13.07	4.329	5.303	0.831	0.536	11.00
13.10	4.049	5.179	0.835	0.522	10.59
13.13	3.778	5.052	0.837	0.508	10.17
13.17	3.524	4.922	0.839	0.492	9.776
13.20	3.299	4.788	0.839 <<	0.475	9.402
13.23	3.109	4.651	0.839	0.459	9.058
13.27	2.946	4.512	0.838	0.443	8.740
13.30	2.804	4.370	0.836	0.429	8.440
13.33	2.677	4.227	0.834	0.416	8.153
13.37	2.564	4.081	0.830	0.403	7.879
13.40	2.464	3.935	0.827	0.392	7.618
13.43	2.377	3.788	0.822	0.383	7.370
13.47	2.301	3.641	0.817	0.374	7.133
13.50	2.235	3.495	0.812	0.366	6.907
13.53	2.178	3.348	0.805	0.360	6.692
13.57	2.129	3.203	0.799	0.354	6.485
13.60	2.087	3.059	0.792	0.349	6.287
13.63	2.050	2.917	0.784	0.345	6.096
13.67	2.017	2.778	0.775	0.342	5.912
13.70	1.985	2.643	0.767	0.338	5.732
13.73	1.956	2.512	0.757	0.335	5.560
13.77	1.927	2.391	0.747	0.332	5.397
13.80	1.900	2.285	0.736	0.328	5.250
13.83	1.874	2.193	0.725	0.325	5.118
13.87	1.850	2.115	0.713	0.323	5.000
13.90	1.826	2.044	0.701	0.320	4.891
13.93	1.803	1.981	0.688	0.317	4.789
13.97	1.780	1.923	0.675	0.315	4.692
14.00	1.759	1.871	0.661	0.312	4.603
14.03	1.738	1.824	0.648	0.309	4.519
14.07	1.717	1.782	0.636	0.307	4.442
14.10	1.697	1.744	0.625	0.304	4.370
14.13	1.678	1.710	0.614	0.302	4.304
14.17	1.658	1.680	0.604	0.300	4.241
14.20	1.640	1.652	0.594	0.297	4.183
14.23	1.621	1.627	0.586	0.295	4.129
14.27	1.604	1.603	0.578	0.292	4.077
14.30	1.586	1.581	0.571	0.290	4.028
14.33	1.570	1.559	0.565	0.288	3.981
14.37	1.553	1.538	0.559	0.286	3.937
14.40	1.538	1.519	0.553	0.284	3.894
14.43	1.522	1.500	0.548	0.282	3.853
14.47	1.508	1.482	0.544	0.280	3.813
14.50	1.493	1.465	0.539	0.278	3.775
14.53	1.479	1.448	0.535	0.276	3.738
14.57	1.466	1.432	0.530	0.275	3.703
14.60	1.453	1.417	0.526	0.273	3.669

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
14.63	1.440	1.402	0.522	0.271	3.635
14.67	1.427	1.388	0.519	0.270	3.603
14.70	1.415	1.374	0.515	0.268	3.572
14.73	1.403	1.360	0.511	0.266	3.541
14.77	1.392	1.347	0.508	0.265	3.512
14.80	1.380	1.334	0.505	0.263	3.482
14.83	1.369	1.322	0.501	0.262	3.454
14.87	1.358	1.309	0.498	0.260	3.426
14.90	1.347	1.297	0.495	0.259	3.398
14.93	1.337	1.285	0.492	0.257	3.371
14.97	1.326	1.273	0.489	0.256	3.344
15.00	1.316	1.261	0.486	0.254	3.317
15.03	1.306	1.250	0.483	0.253	3.291
15.07	1.295	1.239	0.479	0.252	3.265
15.10	1.285	1.227	0.476	0.250	3.239
15.13	1.275	1.216	0.473	0.249	3.213
15.17	1.265	1.206	0.470	0.247	3.188
15.20	1.254	1.195	0.467	0.246	3.162
15.23	1.244	1.184	0.464	0.244	3.137
15.27	1.234	1.174	0.461	0.242	3.111
15.30	1.223	1.163	0.458	0.241	3.086
15.33	1.213	1.153	0.455	0.239	3.061
15.37	1.202	1.143	0.453	0.238	3.036
15.40	1.192	1.133	0.450	0.236	3.010
15.43	1.181	1.123	0.447	0.234	2.985
15.47	1.171	1.113	0.444	0.233	2.960
15.50	1.160	1.103	0.441	0.231	2.935
15.53	1.149	1.093	0.438	0.229	2.909
15.57	1.139	1.083	0.435	0.227	2.884
15.60	1.128	1.074	0.432	0.226	2.859
15.63	1.117	1.064	0.429	0.224	2.834
15.67	1.106	1.054	0.426	0.222	2.808
15.70	1.095	1.045	0.423	0.220	2.783
15.73	1.084	1.035	0.420	0.218	2.757
15.77	1.073	1.025	0.417	0.216	2.731
15.80	1.062	1.015	0.414	0.215	2.706
15.83	1.051	1.006	0.410	0.213	2.680
15.87	1.040	0.996	0.407	0.211	2.654
15.90	1.029	0.986	0.404	0.209	2.628
15.93	1.018	0.976	0.401	0.207	2.601
15.97	1.007	0.966	0.398	0.205	2.575
16.00	0.995	0.956	0.394	0.203	2.549
16.03	0.984	0.946	0.391	0.201	2.522
16.07	0.973	0.936	0.388	0.199	2.496
16.10	0.962	0.926	0.384	0.197	2.469
16.13	0.951	0.916	0.381	0.195	2.443
16.17	0.940	0.907	0.378	0.193	2.417
16.20	0.930	0.897	0.374	0.191	2.392
16.23	0.919	0.887	0.371	0.189	2.366
16.27	0.909	0.878	0.368	0.187	2.342
16.30	0.900	0.868	0.364	0.185	2.318
16.33	0.890	0.859	0.361	0.184	2.294
16.37	0.882	0.850	0.358	0.182	2.272
16.40	0.873	0.841	0.355	0.180	2.249
16.43	0.865	0.832	0.352	0.179	2.228
16.47	0.857	0.824	0.349	0.178	2.207

Continues on next page...

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
16.50	0.849	0.816	0.346	0.176	2.186
16.53	0.841	0.808	0.343	0.175	2.167
16.57	0.834	0.800	0.340	0.173	2.147
16.60	0.827	0.792	0.337	0.172	2.129
16.63	0.820	0.785	0.334	0.171	2.110
16.67	0.814	0.777	0.332	0.170	2.092
16.70	0.808	0.770	0.329	0.169	2.075
16.73	0.801	0.763	0.326	0.168	2.058
16.77	0.795	0.756	0.324	0.166	2.042
16.80	0.790	0.749	0.321	0.165	2.026
16.83	0.784	0.743	0.319	0.164	2.010
16.87	0.778	0.736	0.316	0.163	1.994
16.90	0.773	0.730	0.314	0.162	1.979
16.93	0.767	0.724	0.312	0.161	1.964
16.97	0.762	0.718	0.309	0.160	1.950
17.00	0.757	0.712	0.307	0.159	1.936
17.03	0.752	0.706	0.305	0.159	1.922
17.07	0.747	0.701	0.303	0.158	1.908
17.10	0.742	0.695	0.301	0.157	1.894
17.13	0.737	0.690	0.298	0.156	1.881
17.17	0.732	0.684	0.296	0.155	1.867
17.20	0.727	0.679	0.294	0.154	1.854
17.23	0.722	0.674	0.292	0.153	1.841
17.27	0.717	0.669	0.290	0.152	1.828
17.30	0.712	0.663	0.288	0.151	1.815
17.33	0.707	0.658	0.286	0.150	1.802
17.37	0.702	0.654	0.285	0.149	1.789
17.40	0.697	0.649	0.283	0.148	1.777
17.43	0.692	0.644	0.281	0.147	1.764
17.47	0.687	0.639	0.279	0.146	1.751
17.50	0.682	0.634	0.277	0.145	1.739
17.53	0.677	0.630	0.275	0.144	1.726
17.57	0.671	0.625	0.274	0.143	1.714
17.60	0.666	0.621	0.272	0.143	1.701
17.63	0.661	0.616	0.270	0.142	1.689
17.67	0.656	0.611	0.268	0.141	1.676
17.70	0.651	0.607	0.266	0.140	1.664
17.73	0.646	0.602	0.265	0.139	1.651
17.77	0.641	0.598	0.263	0.138	1.639
17.80	0.636	0.593	0.261	0.137	1.626
17.83	0.630	0.589	0.259	0.136	1.614
17.87	0.625	0.584	0.258	0.134	1.601
17.90	0.620	0.580	0.256	0.133	1.589
17.93	0.615	0.575	0.254	0.132	1.576
17.97	0.610	0.570	0.252	0.131	1.564
18.00	0.604	0.566	0.251	0.130	1.551
18.03	0.599	0.561	0.249	0.129	1.539
18.07	0.594	0.557	0.247	0.128	1.526
18.10	0.589	0.552	0.245	0.127	1.514
18.13	0.584	0.548	0.243	0.126	1.501
18.17	0.579	0.543	0.242	0.125	1.489
18.20	0.574	0.539	0.240	0.124	1.477
18.23	0.570	0.534	0.238	0.123	1.466
18.27	0.565	0.530	0.237	0.123	1.454
18.30	0.561	0.526	0.235	0.122	1.443
18.33	0.557	0.522	0.233	0.121	1.433

Continues on next page...

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
18.37	0.553	0.518	0.232	0.120	1.423
18.40	0.550	0.514	0.230	0.119	1.413
18.43	0.546	0.510	0.228	0.119	1.403
18.47	0.543	0.506	0.227	0.118	1.394
18.50	0.540	0.503	0.225	0.118	1.386
18.53	0.537	0.499	0.224	0.117	1.377
18.57	0.534	0.496	0.223	0.116	1.369
18.60	0.531	0.493	0.221	0.116	1.361
18.63	0.529	0.490	0.220	0.115	1.354
18.67	0.526	0.487	0.219	0.115	1.347
18.70	0.524	0.484	0.218	0.115	1.340
18.73	0.522	0.481	0.216	0.114	1.333
18.77	0.520	0.478	0.215	0.114	1.327
18.80	0.518	0.475	0.214	0.113	1.321
18.83	0.516	0.473	0.213	0.113	1.315
18.87	0.514	0.470	0.212	0.113	1.309
18.90	0.512	0.468	0.211	0.112	1.304
18.93	0.510	0.466	0.210	0.112	1.298
18.97	0.509	0.463	0.209	0.112	1.293
19.00	0.507	0.461	0.208	0.111	1.288
19.03	0.506	0.459	0.207	0.111	1.283
19.07	0.504	0.457	0.207	0.111	1.278
19.10	0.502	0.455	0.206	0.111	1.274
19.13	0.501	0.453	0.205	0.110	1.269
19.17	0.500	0.451	0.204	0.110	1.265
19.20	0.498	0.450	0.203	0.110	1.261
19.23	0.497	0.448	0.203	0.109	1.256
19.27	0.495	0.446	0.202	0.109	1.252
19.30	0.494	0.444	0.201	0.109	1.248
19.33	0.492	0.443	0.201	0.109	1.244
19.37	0.491	0.441	0.200	0.108	1.240
19.40	0.489	0.440	0.199	0.108	1.236
19.43	0.488	0.438	0.199	0.108	1.232
19.47	0.486	0.437	0.198	0.108	1.228
19.50	0.485	0.435	0.197	0.107	1.224
19.53	0.483	0.434	0.197	0.107	1.221
19.57	0.481	0.432	0.196	0.107	1.217
19.60	0.480	0.431	0.196	0.106	1.213
19.63	0.478	0.430	0.195	0.106	1.209
19.67	0.477	0.428	0.195	0.106	1.206
19.70	0.475	0.427	0.194	0.106	1.202
19.73	0.474	0.425	0.194	0.105	1.198
19.77	0.472	0.424	0.193	0.105	1.194
19.80	0.471	0.423	0.193	0.105	1.191
19.83	0.469	0.421	0.192	0.104	1.187
19.87	0.468	0.420	0.192	0.104	1.183
19.90	0.466	0.419	0.191	0.104	1.180
19.93	0.465	0.417	0.190	0.103	1.176
19.97	0.463	0.416	0.190	0.103	1.172
20.00	0.462	0.415	0.189	0.103	1.169
20.03	0.460	0.413	0.189	0.103	1.165
20.07	0.459	0.412	0.188	0.102	1.161
20.10	0.457	0.410	0.188	0.102	1.157
20.13	0.456	0.409	0.187	0.102	1.154
20.17	0.454	0.408	0.187	0.101	1.150
20.20	0.452	0.406	0.186	0.101	1.146

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
20.23	0.451	0.405	0.186	0.101	1.143
20.27	0.449	0.404	0.185	0.101	1.139
20.30	0.448	0.402	0.185	0.100	1.135
20.33	0.446	0.401	0.184	0.100	1.131
20.37	0.445	0.399	0.184	0.100	1.127
20.40	0.443	0.398	0.183	0.099	1.124
20.43	0.442	0.397	0.183	0.099	1.120
20.47	0.440	0.395	0.182	0.099	1.116
20.50	0.438	0.394	0.182	0.098	1.112
20.53	0.437	0.393	0.181	0.098	1.109
20.57	0.435	0.391	0.180	0.098	1.105
20.60	0.434	0.390	0.180	0.097	1.101
20.63	0.432	0.388	0.179	0.097	1.097
20.67	0.431	0.387	0.179	0.097	1.093
20.70	0.429	0.386	0.178	0.097	1.090
20.73	0.428	0.384	0.178	0.096	1.086
20.77	0.426	0.383	0.177	0.096	1.082
20.80	0.424	0.381	0.177	0.096	1.078
20.83	0.423	0.380	0.176	0.095	1.074
20.87	0.421	0.379	0.176	0.095	1.070
20.90	0.420	0.377	0.175	0.095	1.067
20.93	0.418	0.376	0.174	0.094	1.063
20.97	0.416	0.375	0.174	0.094	1.059
21.00	0.415	0.373	0.173	0.094	1.055
21.03	0.413	0.372	0.173	0.093	1.051
21.07	0.412	0.370	0.172	0.093	1.047
21.10	0.410	0.369	0.172	0.093	1.043
21.13	0.409	0.368	0.171	0.092	1.039
21.17	0.407	0.366	0.170	0.092	1.036
21.20	0.405	0.365	0.170	0.092	1.032
21.23	0.404	0.363	0.169	0.091	1.028
21.27	0.402	0.362	0.169	0.091	1.024
21.30	0.401	0.360	0.168	0.091	1.020
21.33	0.399	0.359	0.168	0.090	1.016
21.37	0.397	0.358	0.167	0.090	1.012
21.40	0.396	0.356	0.166	0.090	1.008
21.43	0.394	0.355	0.166	0.089	1.004
21.47	0.393	0.353	0.165	0.089	1.000
21.50	0.391	0.352	0.165	0.089	0.996
21.53	0.389	0.351	0.164	0.088	0.993
21.57	0.388	0.349	0.164	0.088	0.989
21.60	0.386	0.348	0.163	0.088	0.985
21.63	0.385	0.346	0.162	0.087	0.981
21.67	0.383	0.345	0.162	0.087	0.977
21.70	0.381	0.344	0.161	0.087	0.973
21.73	0.380	0.342	0.161	0.086	0.969
21.77	0.378	0.341	0.160	0.086	0.965
21.80	0.376	0.339	0.159	0.086	0.961
21.83	0.375	0.338	0.159	0.085	0.957
21.87	0.373	0.336	0.158	0.085	0.953
21.90	0.372	0.335	0.158	0.085	0.949
21.93	0.370	0.334	0.157	0.084	0.945
21.97	0.368	0.332	0.156	0.084	0.941
22.00	0.367	0.331	0.156	0.084	0.937
22.03	0.371	0.331	0.156	0.085	0.943
22.07	0.375	0.332	0.156	0.086	0.949

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
22.10	0.379	0.333	0.157	0.087	0.955
22.13	0.384	0.334	0.157	0.088	0.962
22.17	0.388	0.335	0.157	0.089	0.969
22.20	0.393	0.336	0.158	0.090	0.977
22.23	0.398	0.337	0.158	0.091	0.985
22.27	0.403	0.339	0.159	0.092	0.993
22.30	0.402	0.340	0.159	0.092	0.993
22.33	0.400	0.341	0.160	0.092	0.993
22.37	0.398	0.343	0.160	0.091	0.993
22.40	0.397	0.344	0.161	0.091	0.993
22.43	0.395	0.343	0.161	0.091	0.990
22.47	0.393	0.342	0.161	0.090	0.986
22.50	0.391	0.341	0.161	0.090	0.982
22.53	0.389	0.340	0.160	0.089	0.979
22.57	0.387	0.339	0.160	0.089	0.975
22.60	0.385	0.338	0.159	0.089	0.971
22.63	0.383	0.336	0.159	0.088	0.967
22.67	0.381	0.335	0.158	0.088	0.962
22.70	0.379	0.334	0.158	0.087	0.958
22.73	0.377	0.333	0.157	0.087	0.954
22.77	0.375	0.332	0.157	0.086	0.950
22.80	0.373	0.330	0.156	0.086	0.945
22.83	0.371	0.329	0.156	0.085	0.941
22.87	0.368	0.328	0.155	0.085	0.936
22.90	0.366	0.327	0.155	0.084	0.932
22.93	0.364	0.325	0.154	0.084	0.927
22.97	0.361	0.324	0.154	0.083	0.923
23.00	0.359	0.323	0.153	0.083	0.918
23.03	0.356	0.322	0.153	0.082	0.913
23.07	0.354	0.320	0.152	0.082	0.908
23.10	0.351	0.319	0.152	0.081	0.903
23.13	0.349	0.318	0.151	0.080	0.898
23.17	0.346	0.316	0.151	0.080	0.893
23.20	0.343	0.315	0.150	0.079	0.887
23.23	0.342	0.314	0.150	0.079	0.884
23.27	0.341	0.312	0.149	0.079	0.881
23.30	0.339	0.311	0.148	0.078	0.877
23.33	0.338	0.309	0.148	0.078	0.874
23.37	0.337	0.308	0.147	0.078	0.870
23.40	0.336	0.306	0.147	0.078	0.867
23.43	0.335	0.305	0.146	0.077	0.863
23.47	0.333	0.303	0.146	0.077	0.859
23.50	0.332	0.302	0.145	0.077	0.856
23.53	0.331	0.300	0.144	0.077	0.852
23.57	0.330	0.299	0.144	0.076	0.849
23.60	0.328	0.297	0.143	0.076	0.845
23.63	0.327	0.296	0.142	0.076	0.841
23.67	0.326	0.294	0.142	0.076	0.837
23.70	0.325	0.292	0.141	0.075	0.834
23.73	0.323	0.291	0.141	0.075	0.830
23.77	0.322	0.289	0.140	0.075	0.826
23.80	0.321	0.288	0.139	0.074	0.822
23.83	0.320	0.286	0.139	0.074	0.819
23.87	0.319	0.285	0.138	0.074	0.816
23.90	0.317	0.284	0.137	0.074	0.812
23.93	0.316	0.283	0.136	0.073	0.809

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
23.97	0.315	0.282	0.136	0.073	0.806
24.00	0.314	0.281	0.135	0.073	0.803
24.03	0.310	0.279	0.134	0.072	0.796
24.07	0.305	0.276	0.133	0.071	0.786
24.10	0.298	0.273	0.132	0.069	0.772
24.13	0.288	0.269	0.130	0.067	0.754
24.17	0.277	0.264	0.128	0.064	0.733
24.20	0.263	0.258	0.126	0.061	0.708
24.23	0.248	0.251	0.123	0.058	0.680
24.27	0.231	0.244	0.120	0.054	0.648
24.30	0.214	0.236	0.117	0.050	0.616
24.33	0.198	0.227	0.113	0.046	0.584
24.37	0.182	0.217	0.109	0.042	0.551
24.40	0.167	0.207	0.105	0.039	0.518
24.43	0.153	0.197	0.100	0.036	0.486
24.47	0.140	0.187	0.096	0.033	0.455
24.50	0.127	0.177	0.091	0.030	0.425
24.53	0.115	0.168	0.087	0.027	0.396
24.57	0.103	0.159	0.083	0.024	0.369
24.60	0.092	0.150	0.079	0.021	0.343
24.63	0.082	0.142	0.075	0.019	0.317
24.67	0.072	0.133	0.071	0.017	0.293
24.70	0.063	0.125	0.067	0.015	0.270
24.73	0.054	0.118	0.064	0.013	0.249
24.77	0.047	0.110	0.060	0.011	0.228
24.80	0.039	0.103	0.057	0.009	0.208
24.83	0.033	0.096	0.053	0.008	0.190
24.87	0.027	0.089	0.050	0.006	0.172
24.90	0.021	0.083	0.047	0.005	0.156

...End

Hydrograph Report

Hyd. No. 6

EXIST ROUTED FLOW

Hydrograph type	= Reservoir (Interconnected)	Peak discharge	= 8.586 cfs
Storm frequency	= 2 yrs	Time to peak	= 13.30 hrs
Time interval	= 2 min	Hyd. volume	= 794,492 cuft
Upper Pond		**Lower Pond**	
Pond name	= EX-BASIN #3	Pond name	= EXIST-DITCH
Inflow hyd.	= 5 - TOAL EX- FLOW TO DITCH	Other Inflow hyd.	= None
Max. Elevation	= 95.08 ft	Max. Elevation	= 89.50 ft
Max. Storage	= 31,450 cuft	Max. Storage	= 370 cuft

Interconnected Pond Routing. Storage Indication method used.

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

	|<----- Upper Pond ----->|		|<--------- Lower Pond --------->|			
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
11.47	0.308	93.86	0.094	0.094	-----	88.86	-----	0.087
11.50	0.344	93.87	0.112	0.112	-----	88.86	-----	0.103
11.53	0.384	93.87	0.131	0.131	-----	88.87	-----	0.121
11.57	0.430	93.88	0.153	0.153	-----	88.88	-----	0.143
11.60	0.484	93.89	0.179	0.179	-----	88.89	-----	0.168
11.63	0.548	93.90	0.208	0.208	-----	88.89	-----	0.196
11.67	0.626	93.92	0.244	0.244	-----	88.90	-----	0.232
11.70	0.719	93.93	0.286	0.286	-----	88.91	-----	0.272
11.73	0.834	93.95	0.337	0.337	-----	88.92	-----	0.321
11.77	0.973	93.97	0.398	0.398	-----	88.93	-----	0.380
11.80	1.142	93.99	0.474	0.474	-----	88.95	-----	0.455
11.83	1.344	94.00	0.562	0.562	-----	88.96	-----	0.541
11.87	1.585	94.01	0.580	0.580	-----	88.97	-----	0.583
11.90	1.869	94.01	0.603	0.603	-----	88.97	-----	0.595
11.93	2.216	94.02	0.632	0.632	-----	88.98	-----	0.627
11.97	2.667	94.03	0.668	0.668	-----	88.98	-----	0.660
12.00	3.273	94.04	0.715	0.715	-----	88.99	-----	0.705
12.03	4.051	94.06	0.774	0.774	-----	89.00	-----	0.761
12.07	4.969	94.07	0.849	0.849	-----	89.00	-----	0.818
12.10	5.975	94.10	0.942	0.942	-----	89.01	-----	0.888
12.13	7.034	94.12	1.062	1.062	-----	89.02	-----	0.990
12.17	8.136	94.16	1.216	1.216	-----	89.04	-----	1.124
12.20	9.252	94.19	1.392	1.392	-----	89.05	-----	1.286
12.23	10.34	94.23	1.599	1.599	-----	89.07	-----	1.475
12.27	11.33	94.27	1.845	1.845	-----	89.10	-----	1.697
12.30	12.20	94.32	2.109	2.109	-----	89.12	-----	1.988
12.33	12.95	94.37	2.416	2.416	-----	89.15	-----	2.276
12.37	13.61	94.42	2.735	2.735	-----	89.17	-----	2.590
12.40	14.16	94.47	3.087	3.087	-----	89.20	-----	2.927
12.43	14.59	94.52	3.446	3.446	-----	89.22	-----	3.321
12.47	14.92	94.57	3.830	3.830	-----	89.25	-----	3.692
12.50	15.14	94.62	4.212	4.212	-----	89.27	-----	4.077
12.53	15.27	94.67	4.609	4.609	-----	89.30	-----	4.467
12.57	15.33 <<	94.72	4.997	4.997	-----	89.32	-----	4.884
12.60	15.30	94.76	5.389	5.389	-----	89.34	-----	5.273
12.63	15.21	94.80	5.767	5.767	-----	89.36	-----	5.656
12.67	15.05	94.84	6.136	6.136	-----	89.38	-----	6.027

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------| Outflow cfs
12.70	14.85	94.88	6.490	6.490	-----	89.40	-----	6.387
12.73	14.60	94.92	6.822	6.822	-----	89.41	-----	6.741
12.77	14.32	94.95	7.143	7.143	-----	89.43	-----	7.061
12.80	14.01	94.98	7.438	7.438	-----	89.44	-----	7.365
12.83	13.68	95.00	7.707	7.707	-----	89.45	-----	7.641
12.87	13.33	95.02	7.861	7.861	-----	89.46	-----	7.831
12.90	12.97	95.03	7.980	7.980	-----	89.47	-----	7.949
12.93	12.60	95.04	8.087	8.087	-----	89.47	-----	8.061
12.97	12.21	95.05	8.184	8.184	-----	89.48	-----	8.160
13.00	11.81	95.06	8.270	8.270	-----	89.48	-----	8.249
13.03	11.41	95.06	8.345	8.345	-----	89.48	-----	8.327
13.07	11.00	95.07	8.410	8.410	-----	89.49	-----	8.394
13.10	10.59	95.07	8.463	8.463	-----	89.49	-----	8.450
13.13	10.17	95.08	8.506	8.506	-----	89.49	-----	8.496
13.17	9.776	95.08	8.539	8.539	-----	89.49	-----	8.532
13.20	9.402	95.08	8.563	8.563	-----	89.50	-----	8.558
13.23	9.058	95.08 <<	8.578	8.578	-----	89.50	-----	8.575
13.27	8.740	95.08 <<	8.585	8.585	-----	89.50	-----	8.584
13.30	8.440	95.08 <<	8.585 <<	8.585 <<	-----	89.50 <<	-----	8.586 <<
13.33	8.153	95.08	8.573	8.573	-----	89.50	-----	8.577
13.37	7.879	95.08	8.560	8.560	-----	89.50	-----	8.563
13.40	7.618	95.08	8.542	8.542	-----	89.49	-----	8.548
13.43	7.370	95.08	8.519	8.519	-----	89.49	-----	8.525
13.47	7.133	95.07	8.491	8.491	-----	89.49	-----	8.498
13.50	6.907	95.07	8.458	8.458	-----	89.49	-----	8.467
13.53	6.692	95.07	8.421	8.421	-----	89.49	-----	8.431
13.57	6.485	95.06	8.380	8.380	-----	89.49	-----	8.391
13.60	6.287	95.06	8.335	8.335	-----	89.49	-----	8.347
13.63	6.096	95.05	8.287	8.287	-----	89.48	-----	8.300
13.67	5.912	95.05	8.236	8.236	-----	89.48	-----	8.249
13.70	5.732	95.04	8.182	8.182	-----	89.48	-----	8.196
13.73	5.560	95.03	8.125	8.125	-----	89.48	-----	8.140
13.77	5.397	95.03	8.066	8.066	-----	89.47	-----	8.081
13.80	5.250	95.02	8.005	8.005	-----	89.47	-----	8.020
13.83	5.118	95.02	7.942	7.942	-----	89.47	-----	7.958
13.87	5.000	95.01	7.875	7.875	-----	89.47	-----	7.892
13.90	4.891	95.00	7.796	7.796	-----	89.46	-----	7.817
13.93	4.789	94.99	7.705	7.705	-----	89.46	-----	7.728
13.97	4.692	94.98	7.601	7.601	-----	89.45	-----	7.628
14.00	4.603	94.96	7.487	7.487	-----	89.45	-----	7.517
14.03	4.519	94.95	7.365	7.365	-----	89.44	-----	7.396
14.07	4.442	94.94	7.244	7.244	-----	89.44	-----	7.274
14.10	4.370	94.93	7.125	7.125	-----	89.43	-----	7.155
14.13	4.304	94.91	7.008	7.008	-----	89.43	-----	7.037
14.17	4.241	94.90	6.894	6.894	-----	89.42	-----	6.923
14.20	4.183	94.89	6.784	6.784	-----	89.42	-----	6.812
14.23	4.129	94.88	6.677	6.677	-----	89.41	-----	6.704
14.27	4.077	94.87	6.573	6.573	-----	89.41	-----	6.599
14.30	4.028	94.86	6.472	6.472	-----	89.40	-----	6.497
14.33	3.981	94.85	6.372	6.372	-----	89.40	-----	6.400
14.37	3.937	94.83	6.275	6.275	-----	89.39	-----	6.304
14.40	3.894	94.82	6.181	6.181	-----	89.39	-----	6.208
14.43	3.853	94.81	6.088	6.088	-----	89.38	-----	6.115
14.47	3.813	94.80	5.998	5.998	-----	89.38	-----	6.025
14.50	3.775	94.79	5.911	5.911	-----	89.37	-----	5.937

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Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------| Outflow cfs
14.53	3.738	94.78	5.827	5.827	-----	89.37	-----	5.852
14.57	3.703	94.78	5.746	5.746	-----	89.36	-----	5.770
14.60	3.669	94.77	5.667	5.667	-----	89.36	-----	5.690
14.63	3.635	94.76	5.590	5.590	-----	89.36	-----	5.613
14.67	3.603	94.75	5.514	5.514	-----	89.35	-----	5.537
14.70	3.572	94.74	5.441	5.441	-----	89.35	-----	5.462
14.73	3.541	94.73	5.369	5.369	-----	89.34	-----	5.390
14.77	3.512	94.72	5.298	5.298	-----	89.34	-----	5.319
14.80	3.482	94.72	5.229	5.229	-----	89.34	-----	5.249
14.83	3.454	94.71	5.162	5.162	-----	89.33	-----	5.182
14.87	3.426	94.70	5.097	5.097	-----	89.33	-----	5.116
14.90	3.398	94.69	5.034	5.034	-----	89.33	-----	5.052
14.93	3.371	94.69	4.973	4.973	-----	89.32	-----	4.991
14.97	3.344	94.68	4.914	4.914	-----	89.32	-----	4.931
15.00	3.317	94.67	4.857	4.857	-----	89.32	-----	4.873
15.03	3.291	94.66	4.800	4.800	-----	89.31	-----	4.817
15.07	3.265	94.66	4.745	4.745	-----	89.31	-----	4.761
15.10	3.239	94.65	4.691	4.691	-----	89.31	-----	4.707
15.13	3.213	94.64	4.638	4.638	-----	89.31	-----	4.653
15.17	3.188	94.64	4.586	4.586	-----	89.30	-----	4.601
15.20	3.162	94.63	4.534	4.534	-----	89.30	-----	4.549
15.23	3.137	94.63	4.484	4.484	-----	89.30	-----	4.502
15.27	3.111	94.62	4.435	4.435	-----	89.29	-----	4.452
15.30	3.086	94.61	4.386	4.386	-----	89.29	-----	4.403
15.33	3.061	94.61	4.339	4.339	-----	89.29	-----	4.356
15.37	3.036	94.60	4.292	4.292	-----	89.29	-----	4.309
15.40	3.010	94.60	4.247	4.247	-----	89.28	-----	4.263
15.43	2.985	94.59	4.204	4.204	-----	89.28	-----	4.219
15.47	2.960	94.59	4.161	4.161	-----	89.28	-----	4.176
15.50	2.935	94.58	4.120	4.120	-----	89.27	-----	4.134
15.53	2.909	94.58	4.079	4.079	-----	89.27	-----	4.093
15.57	2.884	94.57	4.038	4.038	-----	89.27	-----	4.053
15.60	2.859	94.56	3.999	3.999	-----	89.27	-----	4.013
15.63	2.834	94.56	3.959	3.959	-----	89.26	-----	3.973
15.67	2.808	94.55	3.920	3.920	-----	89.26	-----	3.934
15.70	2.783	94.55	3.882	3.882	-----	89.26	-----	3.896
15.73	2.757	94.54	3.844	3.844	-----	89.26	-----	3.857
15.77	2.731	94.54	3.806	3.806	-----	89.25	-----	3.820
15.80	2.706	94.53	3.769	3.769	-----	89.25	-----	3.782
15.83	2.680	94.53	3.732	3.732	-----	89.25	-----	3.745
15.87	2.654	94.53	3.696	3.696	-----	89.25	-----	3.709
15.90	2.628	94.52	3.660	3.660	-----	89.25	-----	3.673
15.93	2.601	94.52	3.624	3.624	-----	89.24	-----	3.637
15.97	2.575	94.51	3.589	3.589	-----	89.24	-----	3.601
16.00	2.549	94.51	3.554	3.554	-----	89.24	-----	3.566
16.03	2.522	94.50	3.520	3.520	-----	89.24	-----	3.532
16.07	2.496	94.50	3.486	3.486	-----	89.23	-----	3.498
16.10	2.469	94.49	3.453	3.453	-----	89.23	-----	3.465
16.13	2.443	94.49	3.421	3.421	-----	89.23	-----	3.432
16.17	2.417	94.48	3.389	3.389	-----	89.23	-----	3.401
16.20	2.392	94.48	3.358	3.358	-----	89.23	-----	3.369
16.23	2.366	94.48	3.327	3.327	-----	89.22	-----	3.338
16.27	2.342	94.47	3.296	3.296	-----	89.22	-----	3.307
16.30	2.318	94.47	3.265	3.265	-----	89.22	-----	3.276
16.33	2.294	94.46	3.235	3.235	-----	89.22	-----	3.245

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------| Outflow cfs
16.37	2.272	94.46	3.204	3.204	-----	89.22	-----	3.215
16.40	2.249	94.45	3.174	3.174	-----	89.21	-----	3.185
16.43	2.228	94.45	3.144	3.144	-----	89.21	-----	3.155
16.47	2.207	94.45	3.115	3.115	-----	89.21	-----	3.125
16.50	2.186	94.44	3.086	3.086	-----	89.21	-----	3.096
16.53	2.167	94.44	3.057	3.057	-----	89.21	-----	3.067
16.57	2.147	94.43	3.028	3.028	-----	89.21	-----	3.038
16.60	2.129	94.43	3.000	3.000	-----	89.20	-----	3.010
16.63	2.110	94.43	2.972	2.972	-----	89.20	-----	2.982
16.67	2.092	94.42	2.944	2.944	-----	89.20	-----	2.954
16.70	2.075	94.42	2.917	2.917	-----	89.20	-----	2.929
16.73	2.058	94.41	2.889	2.889	-----	89.20	-----	2.902
16.77	2.042	94.41	2.863	2.863	-----	89.19	-----	2.875
16.80	2.026	94.41	2.836	2.836	-----	89.19	-----	2.848
16.83	2.010	94.40	2.811	2.811	-----	89.19	-----	2.822
16.87	1.994	94.40	2.785	2.785	-----	89.19	-----	2.797
16.90	1.979	94.40	2.761	2.761	-----	89.19	-----	2.772
16.93	1.964	94.39	2.737	2.737	-----	89.18	-----	2.748
16.97	1.950	94.39	2.714	2.714	-----	89.18	-----	2.725
17.00	1.936	94.39	2.692	2.692	-----	89.18	-----	2.702
17.03	1.922	94.38	2.669	2.669	-----	89.18	-----	2.679
17.07	1.908	94.38	2.647	2.647	-----	89.18	-----	2.657
17.10	1.894	94.38	2.625	2.625	-----	89.17	-----	2.635
17.13	1.881	94.37	2.604	2.604	-----	89.17	-----	2.613
17.17	1.867	94.37	2.582	2.582	-----	89.17	-----	2.592
17.20	1.854	94.37	2.561	2.561	-----	89.17	-----	2.570
17.23	1.841	94.36	2.540	2.540	-----	89.17	-----	2.549
17.27	1.828	94.36	2.519	2.519	-----	89.17	-----	2.529
17.30	1.815	94.36	2.499	2.499	-----	89.16	-----	2.508
17.33	1.802	94.35	2.478	2.478	-----	89.16	-----	2.488
17.37	1.789	94.35	2.458	2.458	-----	89.16	-----	2.467
17.40	1.777	94.35	2.439	2.439	-----	89.16	-----	2.448
17.43	1.764	94.34	2.419	2.419	-----	89.16	-----	2.428
17.47	1.751	94.34	2.399	2.399	-----	89.16	-----	2.408
17.50	1.739	94.34	2.380	2.380	-----	89.15	-----	2.389
17.53	1.726	94.34	2.361	2.361	-----	89.15	-----	2.370
17.57	1.714	94.33	2.342	2.342	-----	89.15	-----	2.351
17.60	1.701	94.33	2.324	2.324	-----	89.15	-----	2.332
17.63	1.689	94.33	2.305	2.305	-----	89.15	-----	2.314
17.67	1.676	94.32	2.287	2.287	-----	89.15	-----	2.295
17.70	1.664	94.32	2.269	2.269	-----	89.15	-----	2.277
17.73	1.651	94.32	2.251	2.251	-----	89.14	-----	2.259
17.77	1.639	94.32	2.233	2.233	-----	89.14	-----	2.241
17.80	1.626	94.31	2.215	2.215	-----	89.14	-----	2.223
17.83	1.614	94.31	2.198	2.198	-----	89.14	-----	2.206
17.87	1.601	94.31	2.181	2.181	-----	89.14	-----	2.188
17.90	1.589	94.30	2.163	2.163	-----	89.14	-----	2.171
17.93	1.576	94.30	2.147	2.147	-----	89.14	-----	2.154
17.97	1.564	94.30	2.130	2.130	-----	89.13	-----	2.138
18.00	1.551	94.30	2.114	2.114	-----	89.13	-----	2.121
18.03	1.539	94.29	2.098	2.098	-----	89.13	-----	2.106
18.07	1.526	94.29	2.083	2.083	-----	89.13	-----	2.090
18.10	1.514	94.29	2.068	2.068	-----	89.13	-----	2.075
18.13	1.501	94.29	2.053	2.053	-----	89.13	-----	2.060
18.17	1.489	94.28	2.038	2.038	-----	89.13	-----	2.045

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	Upper Pond |<----- Inflow cfs	Upper Pond Elevation ft	Upper Pond ----->| Outflow cfs	Lower Pond |<--------- Inflow cfs	Lower Pond Other Inflow cfs	Lower Pond Elevation ft	Lower Pond Exfil cfs	Lower Pond ---------->| Outflow cfs
18.20	1.477	94.28	2.024	2.024	-----	89.13	-----	2.030
18.23	1.466	94.28	2.009	2.009	-----	89.12	-----	2.016
18.27	1.454	94.28	1.994	1.994	-----	89.12	-----	2.001
18.30	1.443	94.27	1.980	1.980	-----	89.12	-----	1.986
18.33	1.433	94.27	1.965	1.965	-----	89.12	-----	1.972
18.37	1.423	94.27	1.951	1.951	-----	89.12	-----	1.957
18.40	1.413	94.27	1.937	1.937	-----	89.12	-----	1.943
18.43	1.403	94.27	1.923	1.923	-----	89.12	-----	1.929
18.47	1.394	94.26	1.909	1.909	-----	89.12	-----	1.915
18.50	1.386	94.26	1.895	1.895	-----	89.11	-----	1.901
18.53	1.377	94.26	1.881	1.881	-----	89.11	-----	1.887
18.57	1.369	94.26	1.868	1.868	-----	89.11	-----	1.874
18.60	1.361	94.25	1.854	1.854	-----	89.11	-----	1.860
18.63	1.354	94.25	1.841	1.841	-----	89.11	-----	1.847
18.67	1.347	94.25	1.828	1.828	-----	89.11	-----	1.834
18.70	1.340	94.25	1.815	1.815	-----	89.11	-----	1.821
18.73	1.333	94.24	1.802	1.802	-----	89.11	-----	1.808
18.77	1.327	94.24	1.790	1.790	-----	89.11	-----	1.795
18.80	1.321	94.24	1.777	1.777	-----	89.11	-----	1.783
18.83	1.315	94.24	1.765	1.765	-----	89.10	-----	1.771
18.87	1.309	94.24	1.753	1.753	-----	89.10	-----	1.758
18.90	1.304	94.23	1.741	1.741	-----	89.10	-----	1.746
18.93	1.298	94.23	1.729	1.729	-----	89.10	-----	1.735
18.97	1.293	94.23	1.718	1.718	-----	89.10	-----	1.723
19.00	1.288	94.23	1.706	1.706	-----	89.10	-----	1.712
19.03	1.283	94.23	1.695	1.695	-----	89.10	-----	1.702
19.07	1.278	94.23	1.684	1.684	-----	89.10	-----	1.691
19.10	1.274	94.22	1.673	1.673	-----	89.10	-----	1.680
19.13	1.269	94.22	1.663	1.663	-----	89.10	-----	1.669
19.17	1.265	94.22	1.652	1.652	-----	89.09	-----	1.658
19.20	1.261	94.22	1.642	1.642	-----	89.09	-----	1.648
19.23	1.256	94.22	1.631	1.631	-----	89.09	-----	1.638
19.27	1.252	94.21	1.621	1.621	-----	89.09	-----	1.627
19.30	1.248	94.21	1.611	1.611	-----	89.09	-----	1.618
19.33	1.244	94.21	1.602	1.602	-----	89.09	-----	1.608
19.37	1.240	94.21	1.592	1.592	-----	89.09	-----	1.598
19.40	1.236	94.21	1.583	1.583	-----	89.09	-----	1.588
19.43	1.232	94.21	1.573	1.573	-----	89.09	-----	1.579
19.47	1.228	94.21	1.564	1.564	-----	89.08	-----	1.570
19.50	1.224	94.20	1.555	1.555	-----	89.08	-----	1.561
19.53	1.221	94.20	1.546	1.546	-----	89.08	-----	1.552
19.57	1.217	94.20	1.538	1.538	-----	89.08	-----	1.543
19.60	1.213	94.20	1.530	1.530	-----	89.08	-----	1.535
19.63	1.209	94.20	1.522	1.522	-----	89.08	-----	1.527
19.67	1.206	94.20	1.514	1.514	-----	89.08	-----	1.519
19.70	1.202	94.19	1.507	1.507	-----	89.08	-----	1.511
19.73	1.198	94.19	1.500	1.500	-----	89.08	-----	1.504
19.77	1.194	94.19	1.492	1.492	-----	89.08	-----	1.497
19.80	1.191	94.19	1.485	1.485	-----	89.08	-----	1.490
19.83	1.187	94.19	1.478	1.478	-----	89.07	-----	1.483
19.87	1.183	94.19	1.471	1.471	-----	89.07	-----	1.476
19.90	1.180	94.19	1.465	1.465	-----	89.07	-----	1.469
19.93	1.176	94.19	1.458	1.458	-----	89.07	-----	1.462
19.97	1.172	94.18	1.451	1.451	-----	89.07	-----	1.455
20.00	1.169	94.18	1.444	1.444	-----	89.07	-----	1.449

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------->| Outflow cfs
20.03	1.165	94.18	1.438	1.438	-----	89.07	-----	1.442
20.07	1.161	94.18	1.431	1.431	-----	89.07	-----	1.435
20.10	1.157	94.18	1.425	1.425	-----	89.07	-----	1.429
20.13	1.154	94.18	1.419	1.419	-----	89.07	-----	1.423
20.17	1.150	94.18	1.412	1.412	-----	89.07	-----	1.416
20.20	1.146	94.18	1.406	1.406	-----	89.07	-----	1.410
20.23	1.143	94.17	1.400	1.400	-----	89.07	-----	1.404
20.27	1.139	94.17	1.394	1.394	-----	89.07	-----	1.398
20.30	1.135	94.17	1.388	1.388	-----	89.06	-----	1.391
20.33	1.131	94.17	1.382	1.382	-----	89.06	-----	1.385
20.37	1.127	94.17	1.376	1.376	-----	89.06	-----	1.379
20.40	1.124	94.17	1.370	1.370	-----	89.06	-----	1.373
20.43	1.120	94.17	1.364	1.364	-----	89.06	-----	1.368
20.47	1.116	94.17	1.358	1.358	-----	89.06	-----	1.362
20.50	1.112	94.17	1.352	1.352	-----	89.06	-----	1.356
20.53	1.109	94.16	1.347	1.347	-----	89.06	-----	1.350
20.57	1.105	94.16	1.341	1.341	-----	89.06	-----	1.344
20.60	1.101	94.16	1.335	1.335	-----	89.06	-----	1.339
20.63	1.097	94.16	1.330	1.330	-----	89.06	-----	1.333
20.67	1.093	94.16	1.324	1.324	-----	89.06	-----	1.328
20.70	1.090	94.16	1.319	1.319	-----	89.06	-----	1.322
20.73	1.086	94.16	1.313	1.313	-----	89.06	-----	1.317
20.77	1.082	94.16	1.308	1.308	-----	89.06	-----	1.311
20.80	1.078	94.16	1.303	1.303	-----	89.06	-----	1.306
20.83	1.074	94.16	1.297	1.297	-----	89.06	-----	1.300
20.87	1.070	94.15	1.292	1.292	-----	89.05	-----	1.295
20.90	1.067	94.15	1.287	1.287	-----	89.05	-----	1.290
20.93	1.063	94.15	1.281	1.281	-----	89.05	-----	1.285
20.97	1.059	94.15	1.276	1.276	-----	89.05	-----	1.279
21.00	1.055	94.15	1.271	1.271	-----	89.05	-----	1.274
21.03	1.051	94.15	1.266	1.266	-----	89.05	-----	1.269
21.07	1.047	94.15	1.261	1.261	-----	89.05	-----	1.264
21.10	1.043	94.15	1.256	1.256	-----	89.05	-----	1.259
21.13	1.039	94.15	1.251	1.251	-----	89.05	-----	1.254
21.17	1.036	94.15	1.246	1.246	-----	89.05	-----	1.249
21.20	1.032	94.14	1.241	1.241	-----	89.05	-----	1.244
21.23	1.028	94.14	1.236	1.236	-----	89.05	-----	1.239
21.27	1.024	94.14	1.231	1.231	-----	89.05	-----	1.234
21.30	1.020	94.14	1.226	1.226	-----	89.05	-----	1.229
21.33	1.016	94.14	1.221	1.221	-----	89.05	-----	1.224
21.37	1.012	94.14	1.216	1.216	-----	89.05	-----	1.219
21.40	1.008	94.14	1.211	1.211	-----	89.05	-----	1.214
21.43	1.004	94.14	1.206	1.206	-----	89.05	-----	1.209
21.47	1.000	94.14	1.201	1.201	-----	89.04	-----	1.204
21.50	0.996	94.14	1.197	1.197	-----	89.04	-----	1.200
21.53	0.993	94.14	1.192	1.192	-----	89.04	-----	1.195
21.57	0.989	94.13	1.187	1.187	-----	89.04	-----	1.190
21.60	0.985	94.13	1.182	1.182	-----	89.04	-----	1.185
21.63	0.981	94.13	1.178	1.178	-----	89.04	-----	1.180
21.67	0.977	94.13	1.173	1.173	-----	89.04	-----	1.176
21.70	0.973	94.13	1.168	1.168	-----	89.04	-----	1.171
21.73	0.969	94.13	1.164	1.164	-----	89.04	-----	1.166
21.77	0.965	94.13	1.159	1.159	-----	89.04	-----	1.162
21.80	0.961	94.13	1.154	1.154	-----	89.04	-----	1.157
21.83	0.957	94.13	1.150	1.150	-----	89.04	-----	1.153

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------| Outflow cfs
21.87	0.953	94.13	1.145	1.145	-----	89.04	-----	1.148
21.90	0.949	94.13	1.141	1.141	-----	89.04	-----	1.143
21.93	0.945	94.12	1.136	1.136	-----	89.04	-----	1.139
21.97	0.941	94.12	1.131	1.131	-----	89.04	-----	1.134
22.00	0.937	94.12	1.127	1.127	-----	89.04	-----	1.130
22.03	0.943	94.12	1.123	1.123	-----	89.04	-----	1.125
22.07	0.949	94.12	1.118	1.118	-----	89.04	-----	1.121
22.10	0.955	94.12	1.115	1.115	-----	89.04	-----	1.117
22.13	0.962	94.12	1.111	1.111	-----	89.03	-----	1.113
22.17	0.969	94.12	1.107	1.107	-----	89.03	-----	1.110
22.20	0.977	94.12	1.104	1.104	-----	89.03	-----	1.106
22.23	0.985	94.12	1.101	1.101	-----	89.03	-----	1.103
22.27	0.993	94.12	1.099	1.099	-----	89.03	-----	1.100
22.30	0.993	94.12	1.096	1.096	-----	89.03	-----	1.098
22.33	0.993	94.12	1.094	1.094	-----	89.03	-----	1.095
22.37	0.993	94.12	1.091	1.091	-----	89.03	-----	1.093
22.40	0.993	94.12	1.089	1.089	-----	89.03	-----	1.090
22.43	0.990	94.12	1.087	1.087	-----	89.03	-----	1.088
22.47	0.986	94.11	1.084	1.084	-----	89.03	-----	1.086
22.50	0.982	94.11	1.082	1.082	-----	89.03	-----	1.083
22.53	0.979	94.11	1.079	1.079	-----	89.03	-----	1.081
22.57	0.975	94.11	1.077	1.077	-----	89.03	-----	1.079
22.60	0.971	94.11	1.075	1.075	-----	89.03	-----	1.076
22.63	0.967	94.11	1.072	1.072	-----	89.03	-----	1.074
22.67	0.962	94.11	1.070	1.070	-----	89.03	-----	1.071
22.70	0.958	94.11	1.067	1.067	-----	89.03	-----	1.069
22.73	0.954	94.11	1.064	1.064	-----	89.03	-----	1.066
22.77	0.950	94.11	1.062	1.062	-----	89.03	-----	1.063
22.80	0.945	94.11	1.059	1.059	-----	89.03	-----	1.061
22.83	0.941	94.11	1.056	1.056	-----	89.03	-----	1.058
22.87	0.936	94.11	1.053	1.053	-----	89.03	-----	1.055
22.90	0.932	94.11	1.051	1.051	-----	89.03	-----	1.052
22.93	0.927	94.11	1.048	1.048	-----	89.03	-----	1.050
22.97	0.923	94.11	1.045	1.045	-----	89.03	-----	1.047
23.00	0.918	94.11	1.042	1.042	-----	89.03	-----	1.044
23.03	0.913	94.11	1.039	1.039	-----	89.03	-----	1.041
23.07	0.908	94.11	1.036	1.036	-----	89.03	-----	1.038
23.10	0.903	94.10	1.033	1.033	-----	89.03	-----	1.035
23.13	0.898	94.10	1.030	1.030	-----	89.03	-----	1.032
23.17	0.893	94.10	1.027	1.027	-----	89.03	-----	1.028
23.20	0.887	94.10	1.023	1.023	-----	89.03	-----	1.025
23.23	0.884	94.10	1.020	1.020	-----	89.02	-----	1.022
23.27	0.881	94.10	1.017	1.017	-----	89.02	-----	1.019
23.30	0.877	94.10	1.014	1.014	-----	89.02	-----	1.016
23.33	0.874	94.10	1.010	1.010	-----	89.02	-----	1.012
23.37	0.870	94.10	1.007	1.007	-----	89.02	-----	1.009
23.40	0.867	94.10	1.004	1.004	-----	89.02	-----	1.006
23.43	0.863	94.10	1.001	1.001	-----	89.02	-----	1.003
23.47	0.859	94.10	0.998	0.998	-----	89.02	-----	1.000
23.50	0.856	94.10	0.996	0.996	-----	89.02	-----	0.997
23.53	0.852	94.10	0.993	0.993	-----	89.02	-----	0.994
23.57	0.849	94.10	0.990	0.990	-----	89.02	-----	0.992
23.60	0.845	94.10	0.987	0.987	-----	89.02	-----	0.989
23.63	0.841	94.09	0.984	0.984	-----	89.02	-----	0.986
23.67	0.837	94.09	0.981	0.981	-----	89.02	-----	0.983

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
23.70	0.834	94.09	0.978	0.978	-----	89.02	-----	0.980
23.73	0.830	94.09	0.975	0.975	-----	89.02	-----	0.977
23.77	0.826	94.09	0.972	0.972	-----	89.02	-----	0.974
23.80	0.822	94.09	0.969	0.969	-----	89.02	-----	0.971
23.83	0.819	94.09	0.966	0.966	-----	89.02	-----	0.968
23.87	0.816	94.09	0.963	0.963	-----	89.02	-----	0.965
23.90	0.812	94.09	0.960	0.960	-----	89.02	-----	0.962
23.93	0.809	94.09	0.957	0.957	-----	89.02	-----	0.959
23.97	0.806	94.09	0.954	0.954	-----	89.02	-----	0.956
24.00	0.803	94.09	0.951	0.951	-----	89.02	-----	0.953
24.03	0.796	94.09	0.948	0.948	-----	89.02	-----	0.950
24.07	0.786	94.09	0.945	0.945	-----	89.02	-----	0.947
24.10	0.772	94.09	0.942	0.942	-----	89.02	-----	0.944
24.13	0.754	94.08	0.938	0.938	-----	89.02	-----	0.940
24.17	0.733	94.08	0.934	0.934	-----	89.02	-----	0.936
24.20	0.708	94.08	0.930	0.930	-----	89.02	-----	0.932
24.23	0.680	94.08	0.925	0.925	-----	89.01	-----	0.928
24.27	0.648	94.08	0.920	0.920	-----	89.01	-----	0.923
24.30	0.616	94.08	0.914	0.914	-----	89.01	-----	0.917
24.33	0.584	94.08	0.907	0.907	-----	89.01	-----	0.911
24.37	0.551	94.08	0.901	0.901	-----	89.01	-----	0.905
24.40	0.518	94.07	0.893	0.893	-----	89.01	-----	0.898
24.43	0.486	94.07	0.885	0.885	-----	89.01	-----	0.890
24.47	0.455	94.07	0.877	0.877	-----	89.01	-----	0.882
24.50	0.425	94.07	0.868	0.868	-----	89.01	-----	0.874
24.53	0.396	94.07	0.859	0.859	-----	89.01	-----	0.865
24.57	0.369	94.06	0.850	0.850	-----	89.01	-----	0.855
24.60	0.343	94.06	0.840	0.840	-----	89.01	-----	0.846
24.63	0.317	94.06	0.829	0.829	-----	89.00	-----	0.836
24.67	0.293	94.06	0.819	0.819	-----	89.00	-----	0.825
24.70	0.270	94.05	0.808	0.808	-----	89.00	-----	0.815
24.73	0.249	94.05	0.797	0.797	-----	89.00	-----	0.804
24.77	0.228	94.05	0.786	0.786	-----	89.00	-----	0.793
24.80	0.208	94.05	0.775	0.775	-----	89.00	-----	0.775
24.83	0.190	94.04	0.763	0.763	-----	89.00	-----	0.766
24.87	0.172	94.04	0.751	0.751	-----	88.99	-----	0.753
24.90	0.156	94.04	0.740	0.740	-----	88.99	-----	0.742
24.93	0.141	94.04	0.728	0.728	-----	88.99	-----	0.730
24.97	0.127	94.03	0.716	0.716	-----	88.99	-----	0.718
25.00	0.114	94.03	0.704	0.704	-----	88.99	-----	0.706
25.03	0.102	94.03	0.692	0.692	-----	88.99	-----	0.694
25.07	0.092	94.03	0.680	0.680	-----	88.98	-----	0.682
25.10	0.082	94.02	0.668	0.668	-----	88.98	-----	0.671
25.13	0.073	94.02	0.656	0.656	-----	88.98	-----	0.659
25.17	0.066	94.02	0.645	0.645	-----	88.98	-----	0.647
25.20	0.059	94.01	0.633	0.633	-----	88.98	-----	0.635
25.23	0.053	94.01	0.621	0.621	-----	88.98	-----	0.624
25.27	0.048	94.01	0.610	0.610	-----	88.97	-----	0.612
25.30	0.042	94.01	0.598	0.598	-----	88.97	-----	0.601
25.33	0.037	94.00	0.587	0.587	-----	88.97	-----	0.590
25.37	0.032	94.00	0.570	0.570	-----	88.97	-----	0.574
25.40	0.028	94.00	0.542	0.542	-----	88.96	-----	0.549
25.43	0.024	93.98	0.507	0.507	-----	88.96	-----	0.515
25.47	0.020	93.97	0.465	0.465	-----	88.95	-----	0.476
25.50	0.017	93.95	0.418	0.418	-----	88.94	-----	0.430

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EXIST ROUTED FLOW

Hydrograph Discharge Table

	|<-----	Upper Pond	-----\>|	|<---------		Lower Pond		---------\>|
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
25.53	0.014	93.94	0.373	0.373	-----	88.94	-----	0.384
25.57	0.011	93.93	0.334	0.334	-----	88.93	-----	0.345
25.60	0.009	93.92	0.300	0.300	-----	88.92	-----	0.309
25.63	0.006	93.91	0.270	0.270	-----	88.91	-----	0.279
25.67	0.005	93.91	0.245	0.245	-----	88.91	-----	0.253
25.70	0.003	93.90	0.222	0.222	-----	88.90	-----	0.229
25.73	0.002	93.89	0.202	0.202	-----	88.90	-----	0.208
25.77	0.001	93.89	0.184	0.184	-----	88.89	-----	0.191
25.80	0.001	93.88	0.168	0.168	-----	88.89	-----	0.174
25.83	0.001	93.88	0.154	0.154	-----	88.88	-----	0.160
25.87	0.000	93.87	0.142	0.142	-----	88.88	-----	0.147
25.90	0.000	93.87	0.130	0.130	-----	88.88	-----	0.135
25.93	0.000	93.86	0.120	0.120	-----	88.87	-----	0.125
25.97	0.000	93.86	0.111	0.111	-----	88.87	-----	0.116
26.00	0.000	93.86	0.103	0.103	-----	88.87	-----	0.107
26.03	0.000	93.85	0.095	0.095	-----	88.86	-----	0.099
26.07	0.000	93.85	0.089	0.089	-----	88.86	-----	0.092
26.10	0.000	93.85	0.083	0.083	-----	88.86	-----	0.086

...End

Pond No. 1 - EX-BASIN #3

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 93.79 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	93.79	00	0	0
0.21	94.00	10,859	760	760
1.21	95.00	45,791	26,314	27,074
2.21	96.00	58,065	51,802	78,875
3.21	97.00	70,393	64,124	142,999
4.21	98.00	82,746	76,479	219,478
5.21	99.00	99,752	91,108	310,585
6.21	100.00	116,741	108,124	418,710

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 24.00	0.00	0.00	0.00
Span (in)	= 36.00	0.00	0.00	0.00
No. Barrels	= 1	1	1	0
Invert El. (ft)	= 93.04	0.00	0.00	0.00
Length (ft)	= 50.00	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .011	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

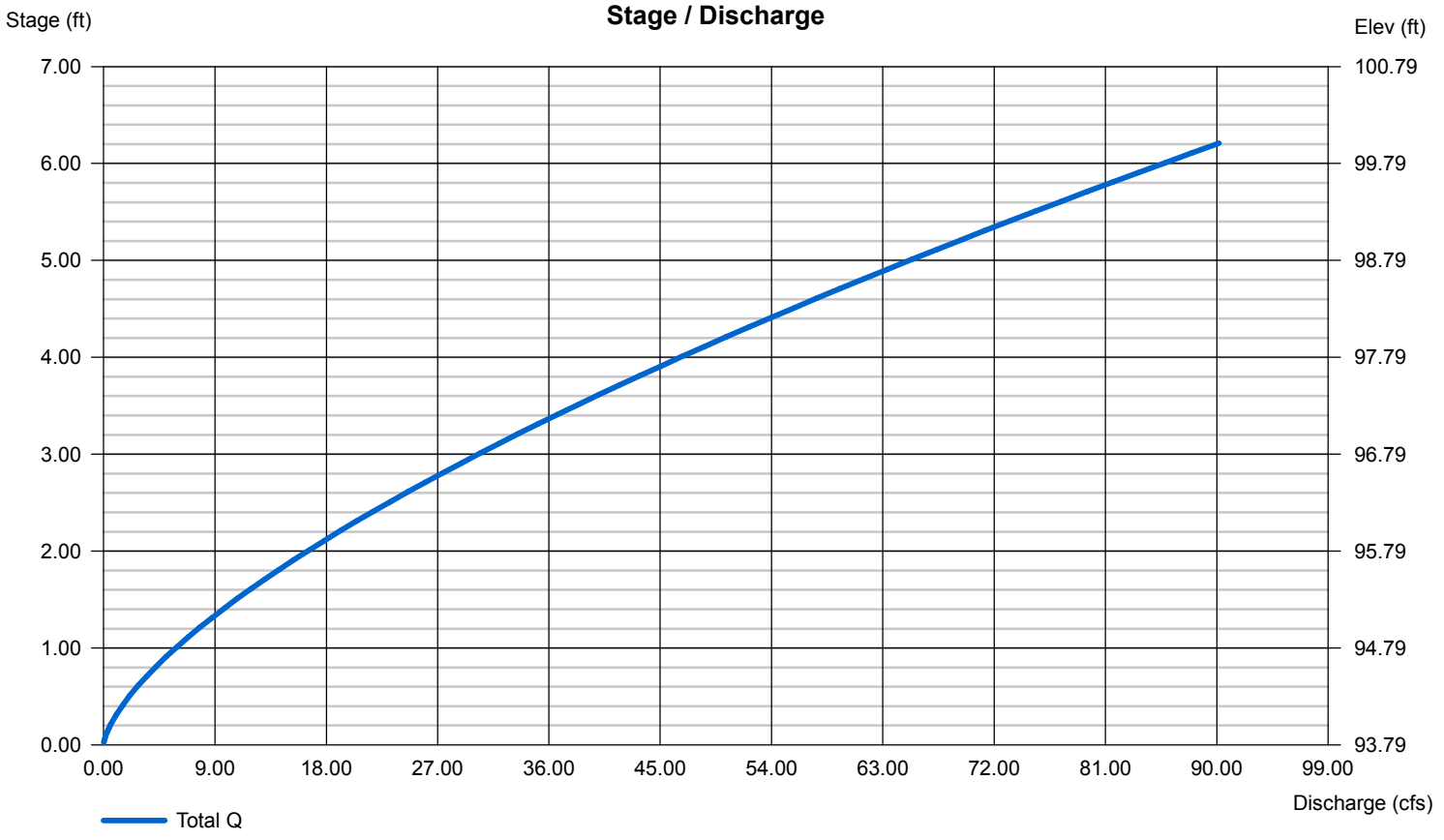
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	1.75	0.00	0.00
Crest El. (ft)	= 97.32	93.79	0.00	0.00
Weir Coeff.	= 2.60	3.33	3.33	3.33
Weir Type	= Broad	Rect	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Pond No. 2 - EXIST-DITCH

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 88.79 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	88.79	00	0	0
0.21	89.00	500	35	35
1.21	90.00	866	675	710
2.21	91.00	2,663	1,682	2,392
3.21	92.00	4,966	3,755	6,147
4.21	93.00	8,282	6,553	12,700
5.21	94.00	14,716	11,345	24,045
6.21	95.00	19,388	16,997	41,041
7.21	96.00	22,236	20,794	61,835
8.21	97.00	25,917	24,051	85,886

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 48.00	48.00	0.00	0.00
Span (in)	= 48.00	48.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 88.79	88.79	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

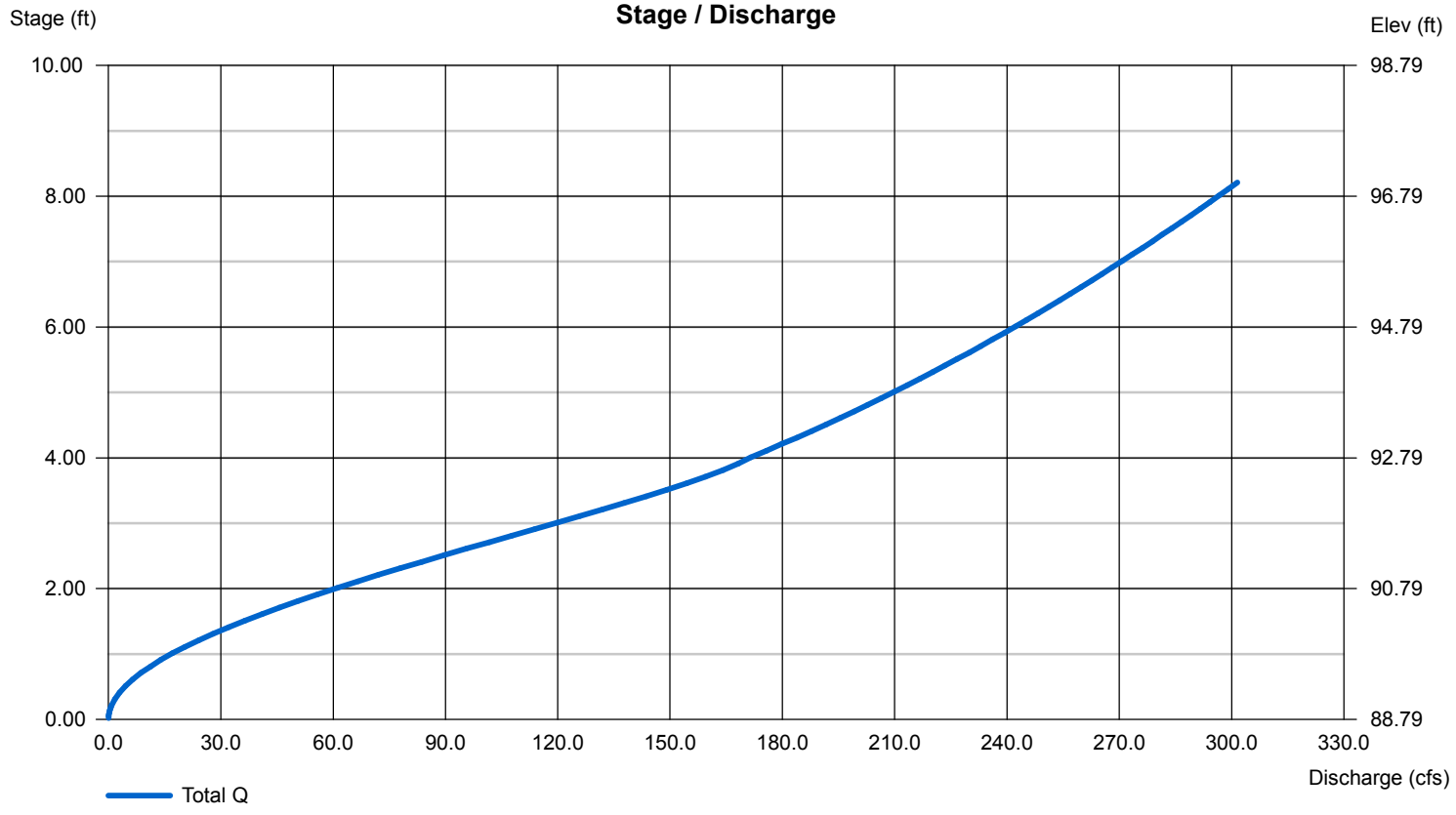
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	19.48	2	746	131,080	----	------	------	AREA #2
2	SCS Runoff	13.96	2	756	117,677	----	------	------	AREA #5
3	SCS Runoff	4.471	2	768	50,372	----	------	------	AREA #3
4	SCS Runoff	3.428	2	752	28,065	----	------	------	AREA #6
5	Combine	40.36	2	752	327,194	1, 2, 3, 4	------	------	TOAL EX- FLOW TO DITCH
6	Reservoir(i)	21.02	2	796	327,191	5	96.14	88,623	EXIST ROUTED FLOW

Hydrograph Report

Hyd. No. 1

AREA #2

Hydrograph type	= SCS Runoff	Peak discharge	= 19.48 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.43 hrs
Time interval	= 2 min	Hyd. volume	= 299,806 cuft
Drainage area	= 17.170 ac	Curve number	= 71*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.9 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(11.550 x 70) + (2.588 x 55) + (0.310 x 77) + (0.010 x 70) + (1.260 x 85) + (1.450 x 98)] / 17.170

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)	
10.33	0.198	11.60	1.641	12.87	13.39	14.13	3.344
10.37	0.215	11.63	1.764	12.90	12.70	14.17	3.303
10.40	0.232	11.67	1.913	12.93	12.00	14.20	3.264
10.43	0.251	11.70	2.096	12.97	11.31	14.23	3.225
10.47	0.270	11.73	2.319	13.00	10.62	14.27	3.187
10.50	0.289	11.77	2.589	13.03	9.930	14.30	3.150
10.53	0.310	11.80	2.912	13.07	9.254	14.33	3.115
10.57	0.331	11.83	3.292	13.10	8.593	14.37	3.081
10.60	0.353	11.87	3.731	13.13	7.960	14.40	3.047
10.63	0.375	11.90	4.234	13.17	7.377	14.43	3.015
10.67	0.399	11.93	4.831	13.20	6.870	14.47	2.984
10.70	0.422	11.97	5.588	13.23	6.446	14.50	2.954
10.73	0.447	12.00	6.581	13.27	6.088	14.53	2.924
10.77	0.472	12.03	7.820	13.30	5.776	14.57	2.896
10.80	0.498	12.07	9.229	13.33	5.498	14.60	2.868
10.83	0.524	12.10	10.72	13.37	5.253	14.63	2.841
10.87	0.551	12.13	12.25	13.40	5.037	14.67	2.815
10.90	0.579	12.17	13.78	13.43	4.848	14.70	2.789
10.93	0.608	12.20	15.26	13.47	4.684	14.73	2.764
10.97	0.637	12.23	16.58	13.50	4.543	14.77	2.739
11.00	0.667	12.27	17.62	13.53	4.421	14.80	2.715
11.03	0.698	12.30	18.35	13.57	4.316	14.83	2.692
11.07	0.730	12.33	18.84	13.60	4.225	14.87	2.669
11.10	0.763	12.37	19.17	13.63	4.144	14.90	2.646
11.13	0.798	12.40	19.38	13.67	4.072	14.93	2.624
11.17	0.835	12.43	19.48 <<	13.70	4.005	14.97	2.602
11.20	0.874	12.47	19.47	13.73	3.940	15.00	2.580
11.23	0.916	12.50	19.34	13.77	3.879	15.03	2.559
11.27	0.961	12.53	19.11	13.80	3.821	15.07	2.538
11.30	1.010	12.57	18.78	13.83	3.765	15.10	2.516
11.33	1.062	12.60	18.36	13.87	3.712	15.13	2.495
11.37	1.117	12.63	17.87	13.90	3.661	15.17	2.474
11.40	1.176	12.67	17.31	13.93	3.611	15.20	2.453
11.43	1.239	12.70	16.71	13.97	3.564	15.23	2.431
11.47	1.305	12.73	16.08	14.00	3.517	15.27	2.410
11.50	1.375	12.77	15.42	14.03	3.472	15.30	2.389
11.53	1.452	12.80	14.75	14.07	3.428	15.33	2.367
11.57	1.538	12.83	14.07	14.10	3.386	15.37	2.346

Continues on next page...

AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
15.40	2.324	17.23	1.384	19.07	0.957	20.90	0.791
15.43	2.303	17.27	1.374	19.10	0.954	20.93	0.788
15.47	2.281	17.30	1.364	19.13	0.951	20.97	0.785
15.50	2.259	17.33	1.354	19.17	0.948	21.00	0.782
15.53	2.237	17.37	1.344	19.20	0.945	21.03	0.779
15.57	2.216	17.40	1.334	19.23	0.942	21.07	0.776
15.60	2.194	17.43	1.324	19.27	0.939	21.10	0.773
15.63	2.172	17.47	1.314	19.30	0.936	21.13	0.770
15.67	2.150	17.50	1.304	19.33	0.933	21.17	0.767
15.70	2.128	17.53	1.294	19.37	0.930	21.20	0.764
15.73	2.106	17.57	1.284	19.40	0.927	21.23	0.761
15.77	2.084	17.60	1.274	19.43	0.924	21.27	0.758
15.80	2.061	17.63	1.264	19.47	0.921	21.30	0.754
15.83	2.039	17.67	1.254	19.50	0.918	21.33	0.751
15.87	2.017	17.70	1.244	19.53	0.915	21.37	0.748
15.90	1.995	17.73	1.234	19.57	0.912	21.40	0.745
15.93	1.972	17.77	1.224	19.60	0.909	21.43	0.742
15.97	1.950	17.80	1.214	19.63	0.906	21.47	0.739
16.00	1.928	17.83	1.204	19.67	0.903	21.50	0.736
16.03	1.905	17.87	1.194	19.70	0.900	21.53	0.733
16.07	1.883	17.90	1.184	19.73	0.897	21.57	0.730
16.10	1.861	17.93	1.174	19.77	0.894	21.60	0.727
16.13	1.839	17.97	1.163	19.80	0.891	21.63	0.724
16.17	1.817	18.00	1.153	19.83	0.888	21.67	0.720
16.20	1.796	18.03	1.143	19.87	0.885	21.70	0.717
16.23	1.776	18.07	1.133	19.90	0.882	21.73	0.714
16.27	1.756	18.10	1.123	19.93	0.879	21.77	0.711
16.30	1.737	18.13	1.114	19.97	0.876	21.80	0.708
16.33	1.719	18.17	1.104	20.00	0.873	21.83	0.705
16.37	1.701	18.20	1.095	20.03	0.870	21.87	0.702
16.40	1.684	18.23	1.086	20.07	0.867	21.90	0.699
16.43	1.667	18.27	1.077	20.10	0.864	21.93	0.696
16.47	1.652	18.30	1.069	20.13	0.861	21.97	0.692
16.50	1.636	18.33	1.061	20.17	0.858	22.00	0.689
16.53	1.621	18.37	1.054	20.20	0.855	22.03	0.697
16.57	1.607	18.40	1.047	20.23	0.852	22.07	0.704
16.60	1.593	18.43	1.040	20.27	0.849	22.10	0.712
16.63	1.580	18.47	1.034	20.30	0.846	22.13	0.721
16.67	1.567	18.50	1.027	20.33	0.843	22.17	0.729
16.70	1.554	18.53	1.022	20.37	0.840	22.20	0.738
16.73	1.542	18.57	1.016	20.40	0.837	22.23	0.748
16.77	1.530	18.60	1.011	20.43	0.834	22.27	0.758
16.80	1.518	18.63	1.006	20.47	0.831	22.30	0.755
16.83	1.507	18.67	1.001	20.50	0.828	22.33	0.751
16.87	1.496	18.70	0.996	20.53	0.825	22.37	0.748
16.90	1.485	18.73	0.992	20.57	0.822	22.40	0.745
16.93	1.474	18.77	0.988	20.60	0.819	22.43	0.741
16.97	1.464	18.80	0.984	20.63	0.816	22.47	0.738
17.00	1.453	18.83	0.980	20.67	0.813	22.50	0.734
17.03	1.443	18.87	0.977	20.70	0.810	22.53	0.731
17.07	1.433	18.90	0.973	20.73	0.807	22.57	0.727
17.10	1.423	18.93	0.970	20.77	0.804	22.60	0.723
17.13	1.413	18.97	0.966	20.80	0.800	22.63	0.719
17.17	1.404	19.00	0.963	20.83	0.797	22.67	0.716
17.20	1.394	19.03	0.960	20.87	0.794	22.70	0.712

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AREA #2

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
22.73	0.708
22.77	0.704
22.80	0.699
22.83	0.695
22.87	0.691
22.90	0.686
22.93	0.682
22.97	0.677
23.00	0.673
23.03	0.668
23.07	0.663
23.10	0.658
23.13	0.653
23.17	0.648
23.20	0.643
23.23	0.640
23.27	0.638
23.30	0.636
23.33	0.633
23.37	0.631
23.40	0.629
23.43	0.626
23.47	0.624
23.50	0.622
23.53	0.619
23.57	0.617
23.60	0.615
23.63	0.612
23.67	0.610
23.70	0.608
23.73	0.605
23.77	0.603
23.80	0.600
23.83	0.598
23.87	0.596
23.90	0.593
23.93	0.591
23.97	0.589
24.00	0.586
24.03	0.580
24.07	0.570
24.10	0.556
24.13	0.539
24.17	0.517
24.20	0.492
24.23	0.463
24.27	0.431
24.30	0.399
24.33	0.369
24.37	0.341
24.40	0.313
24.43	0.286
24.47	0.261
24.50	0.237
24.53	0.214

...End

Hydrograph Report

Hyd. No. 2

AREA #5

Hydrograph type	= SCS Runoff	Peak discharge	= 13.96 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.60 hrs
Time interval	= 2 min	Hyd. volume	= 255,275 cuft
Drainage area	= 13.320 ac	Curve number	= 75*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 38.0 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.167 x 70) + (1.286 x 55) + (2.250 x 77) + (0.070 x 70) + (2.547 x 98)] / 13.320

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
9.83	0.147	11.10	0.796	12.37	12.33	13.63	5.737
9.87	0.157	11.13	0.824	12.40	12.87	13.67	5.439
9.90	0.167	11.17	0.853	12.43	13.25	13.70	5.149
9.93	0.177	11.20	0.883	12.47	13.53	13.73	4.874
9.97	0.188	11.23	0.915	12.50	13.72	13.77	4.621
10.00	0.199	11.27	0.949	12.53	13.86	13.80	4.400
10.03	0.210	11.30	0.984	12.57	13.94	13.83	4.213
10.07	0.222	11.33	1.022	12.60	13.96 <<	13.87	4.053
10.10	0.234	11.37	1.062	12.63	13.94	13.90	3.911
10.13	0.246	11.40	1.104	12.67	13.87	13.93	3.783
10.17	0.259	11.43	1.149	12.70	13.76	13.97	3.667
10.20	0.272	11.47	1.197	12.73	13.62	14.00	3.562
10.23	0.285	11.50	1.247	12.77	13.44	14.03	3.469
10.27	0.299	11.53	1.301	12.80	13.24	14.07	3.385
10.30	0.313	11.57	1.361	12.83	13.02	14.10	3.309
10.33	0.328	11.60	1.429	12.87	12.78	14.13	3.242
10.37	0.343	11.63	1.507	12.90	12.53	14.17	3.181
10.40	0.358	11.67	1.599	12.93	12.27	14.20	3.126
10.43	0.374	11.70	1.706	12.97	12.01	14.23	3.076
10.47	0.390	11.73	1.831	13.00	11.73	14.27	3.029
10.50	0.407	11.77	1.979	13.03	11.45	14.30	2.984
10.53	0.424	11.80	2.151	13.07	11.16	14.33	2.941
10.57	0.442	11.83	2.353	13.10	10.87	14.37	2.900
10.60	0.460	11.87	2.586	13.13	10.56	14.40	2.861
10.63	0.479	11.90	2.856	13.17	10.26	14.43	2.824
10.67	0.498	11.93	3.177	13.20	9.942	14.47	2.788
10.70	0.518	11.97	3.576	13.23	9.623	14.50	2.754
10.73	0.538	12.00	4.083	13.27	9.301	14.53	2.721
10.77	0.559	12.03	4.702	13.30	8.974	14.57	2.689
10.80	0.580	12.07	5.403	13.33	8.646	14.60	2.659
10.83	0.602	12.10	6.152	13.37	8.315	14.63	2.630
10.87	0.624	12.13	6.927	13.40	7.984	14.67	2.602
10.90	0.647	12.17	7.722	13.43	7.654	14.70	2.574
10.93	0.670	12.20	8.528	13.47	7.325	14.73	2.547
10.97	0.694	12.23	9.337	13.50	6.999	14.77	2.522
11.00	0.719	12.27	10.14	13.53	6.676	14.80	2.496
11.03	0.744	12.30	10.93	13.57	6.357	14.83	2.471
11.07	0.770	12.33	11.67	13.60	6.044	14.87	2.447

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AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
14.90	2.422	16.73	1.399	18.57	0.900	20.40	0.718
14.93	2.399	16.77	1.386	18.60	0.894	20.43	0.716
14.97	2.375	16.80	1.373	18.63	0.889	20.47	0.713
15.00	2.353	16.83	1.361	18.67	0.883	20.50	0.710
15.03	2.330	16.87	1.349	18.70	0.878	20.53	0.708
15.07	2.308	16.90	1.337	18.73	0.872	20.57	0.705
15.10	2.286	16.93	1.325	18.77	0.867	20.60	0.703
15.13	2.265	16.97	1.314	18.80	0.862	20.63	0.700
15.17	2.243	17.00	1.303	18.83	0.858	20.67	0.698
15.20	2.222	17.03	1.292	18.87	0.853	20.70	0.695
15.23	2.202	17.07	1.281	18.90	0.848	20.73	0.693
15.27	2.181	17.10	1.271	18.93	0.844	20.77	0.690
15.30	2.161	17.13	1.261	18.97	0.840	20.80	0.687
15.33	2.141	17.17	1.250	19.00	0.836	20.83	0.685
15.37	2.122	17.20	1.241	19.03	0.832	20.87	0.682
15.40	2.102	17.23	1.231	19.07	0.828	20.90	0.680
15.43	2.083	17.27	1.221	19.10	0.825	20.93	0.677
15.47	2.063	17.30	1.212	19.13	0.821	20.97	0.675
15.50	2.044	17.33	1.202	19.17	0.817	21.00	0.672
15.53	2.025	17.37	1.193	19.20	0.814	21.03	0.669
15.57	2.007	17.40	1.184	19.23	0.811	21.07	0.667
15.60	1.988	17.43	1.175	19.27	0.808	21.10	0.664
15.63	1.969	17.47	1.166	19.30	0.804	21.13	0.662
15.67	1.950	17.50	1.157	19.33	0.801	21.17	0.659
15.70	1.932	17.53	1.149	19.37	0.798	21.20	0.656
15.73	1.913	17.57	1.140	19.40	0.796	21.23	0.654
15.77	1.894	17.60	1.131	19.43	0.793	21.27	0.651
15.80	1.876	17.63	1.123	19.47	0.790	21.30	0.649
15.83	1.857	17.67	1.114	19.50	0.787	21.33	0.646
15.87	1.838	17.70	1.106	19.53	0.785	21.37	0.644
15.90	1.820	17.73	1.097	19.57	0.782	21.40	0.641
15.93	1.801	17.77	1.089	19.60	0.779	21.43	0.638
15.97	1.782	17.80	1.081	19.63	0.777	21.47	0.636
16.00	1.763	17.83	1.072	19.67	0.774	21.50	0.633
16.03	1.744	17.87	1.064	19.70	0.772	21.53	0.631
16.07	1.725	17.90	1.055	19.73	0.769	21.57	0.628
16.10	1.707	17.93	1.047	19.77	0.766	21.60	0.625
16.13	1.688	17.97	1.038	19.80	0.764	21.63	0.623
16.17	1.669	18.00	1.030	19.83	0.761	21.67	0.620
16.20	1.651	18.03	1.021	19.87	0.759	21.70	0.618
16.23	1.633	18.07	1.013	19.90	0.756	21.73	0.615
16.27	1.615	18.10	1.004	19.93	0.754	21.77	0.612
16.30	1.597	18.13	0.996	19.97	0.751	21.80	0.610
16.33	1.579	18.17	0.987	20.00	0.749	21.83	0.607
16.37	1.562	18.20	0.979	20.03	0.746	21.87	0.605
16.40	1.546	18.23	0.971	20.07	0.744	21.90	0.602
16.43	1.529	18.27	0.963	20.10	0.741	21.93	0.599
16.47	1.513	18.30	0.955	20.13	0.739	21.97	0.597
16.50	1.498	18.33	0.948	20.17	0.736	22.00	0.594
16.53	1.483	18.37	0.940	20.20	0.733	22.03	0.595
16.57	1.468	18.40	0.933	20.23	0.731	22.07	0.597
16.60	1.453	18.43	0.926	20.27	0.728	22.10	0.598
16.63	1.439	18.47	0.919	20.30	0.726	22.13	0.600
16.67	1.425	18.50	0.913	20.33	0.723	22.17	0.602
16.70	1.412	18.53	0.906	20.37	0.721	22.20	0.604

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AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
22.23	0.606	24.07	0.494
22.27	0.608	24.10	0.488
22.30	0.610	24.13	0.481
22.33	0.613	24.17	0.472
22.37	0.615	24.20	0.461
22.40	0.618	24.23	0.449
22.43	0.616	24.27	0.436
22.47	0.614	24.30	0.422
22.50	0.612	24.33	0.406
22.53	0.610	24.37	0.389
22.57	0.608	24.40	0.370
22.60	0.605	24.43	0.352
22.63	0.603	24.47	0.334
22.67	0.601	24.50	0.317
22.70	0.599	24.53	0.301
22.73	0.597	24.57	0.284
22.77	0.595	24.60	0.269
22.80	0.592	24.63	0.253
22.83	0.590	24.67	0.239
22.87	0.588	24.70	0.224
22.90	0.586	24.73	0.210
22.93	0.583	24.77	0.197
22.97	0.581	24.80	0.184
23.00	0.579	24.83	0.171
23.03	0.576	24.87	0.159
23.07	0.574	24.90	0.148
23.10	0.572		
23.13	0.569	*...End*	
23.17	0.567		
23.20	0.564		
23.23	0.562		
23.27	0.559		
23.30	0.557		
23.33	0.554		
23.37	0.551		
23.40	0.549		
23.43	0.546		
23.47	0.543		
23.50	0.541		
23.53	0.538		
23.57	0.535		
23.60	0.532		
23.63	0.529		
23.67	0.526		
23.70	0.523		
23.73	0.520		
23.77	0.517		
23.80	0.514		
23.83	0.512		
23.87	0.510		
23.90	0.509		
23.93	0.507		
23.97	0.505		
24.00	0.503		
24.03	0.499		

Hydrograph Report

Hyd. No. 3

AREA #3

Hydrograph type	= SCS Runoff	Peak discharge	= 4.471 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.80 hrs
Time interval	= 2 min	Hyd. volume	= 153,751 cuft
Drainage area	= 14.130 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 40.9 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(13.840 x 55) + (0.290 x 70)] / 14.130

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.90	0.068	13.17	4.112	14.43	1.635	15.70	1.166
11.93	0.105	13.20	4.056	14.47	1.616	15.73	1.156
11.97	0.164	13.23	3.996	14.50	1.598	15.77	1.146
12.00	0.256	13.27	3.933	14.53	1.580	15.80	1.136
12.03	0.388	13.30	3.867	14.57	1.563	15.83	1.126
12.07	0.555	13.33	3.798	14.60	1.547	15.87	1.116
12.10	0.750	13.37	3.728	14.63	1.531	15.90	1.106
12.13	0.966	13.40	3.655	14.67	1.516	15.93	1.096
12.17	1.201	13.43	3.579	14.70	1.501	15.97	1.086
12.20	1.455	13.47	3.502	14.73	1.487	16.00	1.075
12.23	1.725	13.50	3.424	14.77	1.474	16.03	1.065
12.27	2.007	13.53	3.343	14.80	1.461	16.07	1.055
12.30	2.300	13.57	3.260	14.83	1.448	16.10	1.045
12.33	2.598	13.60	3.175	14.87	1.435	16.13	1.034
12.37	2.896	13.63	3.089	14.90	1.423	16.17	1.024
12.40	3.181	13.67	3.001	14.93	1.411	16.20	1.014
12.43	3.434	13.70	2.911	14.97	1.399	16.23	1.004
12.47	3.646	13.73	2.819	15.00	1.387	16.27	0.994
12.50	3.822	13.77	2.727	15.03	1.376	16.30	0.984
12.53	3.970	13.80	2.634	15.07	1.364	16.33	0.974
12.57	4.097	13.83	2.541	15.10	1.353	16.37	0.964
12.60	4.203	13.87	2.449	15.13	1.342	16.40	0.955
12.63	4.290	13.90	2.358	15.17	1.331	16.43	0.945
12.67	4.359	13.93	2.271	15.20	1.320	16.47	0.936
12.70	4.409	13.97	2.191	15.23	1.309	16.50	0.927
12.73	4.444	14.00	2.121	15.27	1.299	16.53	0.919
12.77	4.464	14.03	2.060	15.30	1.288	16.57	0.910
12.80	4.471 <<	14.07	2.004	15.33	1.278	16.60	0.902
12.83	4.467	14.10	1.952	15.37	1.267	16.63	0.893
12.87	4.454	14.13	1.905	15.40	1.257	16.67	0.885
12.90	4.434	14.17	1.862	15.43	1.246	16.70	0.877
12.93	4.408	14.20	1.823	15.47	1.236	16.73	0.870
12.97	4.378	14.23	1.788	15.50	1.226	16.77	0.862
13.00	4.343	14.27	1.756	15.53	1.216	16.80	0.855
13.03	4.305	14.30	1.727	15.57	1.206	16.83	0.847
13.07	4.262	14.33	1.701	15.60	1.196	16.87	0.840
13.10	4.216	14.37	1.677	15.63	1.186	16.90	0.833
13.13	4.166	14.40	1.655	15.67	1.176	16.93	0.826

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AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.97	0.820	18.80	0.549	20.63	0.451	22.47	0.398
17.00	0.813	18.83	0.546	20.67	0.449	22.50	0.397
17.03	0.807	18.87	0.544	20.70	0.448	22.53	0.396
17.07	0.800	18.90	0.541	20.73	0.446	22.57	0.395
17.10	0.794	18.93	0.538	20.77	0.445	22.60	0.393
17.13	0.788	18.97	0.535	20.80	0.443	22.63	0.392
17.17	0.782	19.00	0.533	20.83	0.442	22.67	0.391
17.20	0.776	19.03	0.530	20.87	0.440	22.70	0.390
17.23	0.770	19.07	0.528	20.90	0.439	22.73	0.388
17.27	0.764	19.10	0.526	20.93	0.437	22.77	0.387
17.30	0.758	19.13	0.523	20.97	0.436	22.80	0.386
17.33	0.753	19.17	0.521	21.00	0.434	22.83	0.384
17.37	0.747	19.20	0.519	21.03	0.432	22.87	0.383
17.40	0.742	19.23	0.517	21.07	0.431	22.90	0.382
17.43	0.736	19.27	0.515	21.10	0.429	22.93	0.381
17.47	0.731	19.30	0.513	21.13	0.428	22.97	0.379
17.50	0.726	19.33	0.511	21.17	0.426	23.00	0.378
17.53	0.721	19.37	0.509	21.20	0.425	23.03	0.376
17.57	0.715	19.40	0.507	21.23	0.423	23.07	0.375
17.60	0.710	19.43	0.505	21.27	0.422	23.10	0.374
17.63	0.705	19.47	0.504	21.30	0.420	23.13	0.372
17.67	0.700	19.50	0.502	21.33	0.419	23.17	0.371
17.70	0.695	19.53	0.500	21.37	0.417	23.20	0.370
17.73	0.690	19.57	0.499	21.40	0.415	23.23	0.368
17.77	0.685	19.60	0.497	21.43	0.414	23.27	0.367
17.80	0.680	19.63	0.495	21.47	0.412	23.30	0.365
17.83	0.675	19.67	0.494	21.50	0.411	23.33	0.364
17.87	0.670	19.70	0.492	21.53	0.409	23.37	0.362
17.90	0.665	19.73	0.491	21.57	0.408	23.40	0.361
17.93	0.660	19.77	0.489	21.60	0.406	23.43	0.359
17.97	0.655	19.80	0.488	21.63	0.404	23.47	0.358
18.00	0.650	19.83	0.486	21.67	0.403	23.50	0.356
18.03	0.646	19.87	0.485	21.70	0.401	23.53	0.355
18.07	0.641	19.90	0.483	21.73	0.400	23.57	0.353
18.10	0.636	19.93	0.482	21.77	0.398	23.60	0.351
18.13	0.631	19.97	0.481	21.80	0.397	23.63	0.350
18.17	0.626	20.00	0.479	21.83	0.395	23.67	0.348
18.20	0.621	20.03	0.478	21.87	0.393	23.70	0.346
18.23	0.616	20.07	0.476	21.90	0.392	23.73	0.345
18.27	0.611	20.10	0.475	21.93	0.390	23.77	0.343
18.30	0.607	20.13	0.473	21.97	0.389	23.80	0.341
18.33	0.602	20.17	0.472	22.00	0.387	23.83	0.340
18.37	0.598	20.20	0.470	22.03	0.388	23.87	0.338
18.40	0.593	20.23	0.469	22.07	0.388	23.90	0.336
18.43	0.589	20.27	0.467	22.10	0.389	23.93	0.334
18.47	0.585	20.30	0.466	22.13	0.389	23.97	0.332
18.50	0.581	20.33	0.464	22.17	0.390	24.00	0.331
18.53	0.577	20.37	0.463	22.20	0.391	24.03	0.329
18.57	0.573	20.40	0.461	22.23	0.392	24.07	0.326
18.60	0.569	20.43	0.460	22.27	0.393	24.10	0.323
18.63	0.566	20.47	0.458	22.30	0.394	24.13	0.318
18.67	0.562	20.50	0.457	22.33	0.395	24.17	0.313
18.70	0.559	20.53	0.455	22.37	0.397	24.20	0.307
18.73	0.556	20.57	0.454	22.40	0.398	24.23	0.301
18.77	0.552	20.60	0.452	22.43	0.399	24.27	0.293

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AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
24.30	0.285
24.33	0.276
24.37	0.266
24.40	0.256
24.43	0.245
24.47	0.234
24.50	0.223
24.53	0.213
24.57	0.203
24.60	0.193
24.63	0.183
24.67	0.174
24.70	0.165
24.73	0.156
24.77	0.147
24.80	0.139
24.83	0.131
24.87	0.123
24.90	0.115
24.93	0.108
24.97	0.101
25.00	0.094
25.03	0.087
25.07	0.081
25.10	0.075
25.13	0.069
25.17	0.063
25.20	0.058
25.23	0.053
25.27	0.048

...End

Hydrograph Report

Hyd. No. 4

AREA #6

Hydrograph type	= SCS Runoff	Peak discharge	= 3.428 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.53 hrs
Time interval	= 2 min	Hyd. volume	= 85,664 cuft
Drainage area	= 7.940 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.8 min
Total precip.	= 5.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.940 x 55)] / 7.940

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.83	0.036	13.10	2.010	14.37	0.831	15.63	0.610
11.87	0.062	13.13	1.891	14.40	0.823	15.67	0.604
11.90	0.100	13.17	1.777	14.43	0.816	15.70	0.599
11.93	0.156	13.20	1.674	14.47	0.808	15.73	0.593
11.97	0.242	13.23	1.585	14.50	0.801	15.77	0.587
12.00	0.376	13.27	1.508	14.53	0.794	15.80	0.581
12.03	0.565	13.30	1.440	14.57	0.788	15.83	0.576
12.07	0.799	13.33	1.379	14.60	0.781	15.87	0.570
12.10	1.066	13.37	1.324	14.63	0.775	15.90	0.564
12.13	1.353	13.40	1.276	14.67	0.768	15.93	0.558
12.17	1.658	13.43	1.233	14.70	0.762	15.97	0.552
12.20	1.970	13.47	1.197	14.73	0.756	16.00	0.546
12.23	2.271	13.50	1.165	14.77	0.751	16.03	0.540
12.27	2.536	13.53	1.137	14.80	0.745	16.07	0.534
12.30	2.752	13.57	1.113	14.83	0.739	16.10	0.528
12.33	2.924	13.60	1.093	14.87	0.734	16.13	0.522
12.37	3.067	13.63	1.075	14.90	0.728	16.17	0.517
12.40	3.188	13.67	1.058	14.93	0.723	16.20	0.511
12.43	3.286	13.70	1.043	14.97	0.718	16.23	0.505
12.47	3.358	13.73	1.029	15.00	0.712	16.27	0.500
12.50	3.406	13.77	1.015	15.03	0.707	16.30	0.495
12.53	3.428 <<	13.80	1.002	15.07	0.702	16.33	0.490
12.57	3.427	13.83	0.989	15.10	0.697	16.37	0.485
12.60	3.406	13.87	0.977	15.13	0.692	16.40	0.481
12.63	3.367	13.90	0.966	15.17	0.686	16.43	0.476
12.67	3.312	13.93	0.954	15.20	0.681	16.47	0.472
12.70	3.245	13.97	0.943	15.23	0.676	16.50	0.468
12.73	3.168	14.00	0.933	15.27	0.671	16.53	0.464
12.77	3.085	14.03	0.923	15.30	0.665	16.57	0.460
12.80	2.996	14.07	0.912	15.33	0.660	16.60	0.456
12.83	2.903	14.10	0.903	15.37	0.655	16.63	0.453
12.87	2.804	14.13	0.893	15.40	0.649	16.67	0.449
12.90	2.701	14.17	0.883	15.43	0.644	16.70	0.446
12.93	2.594	14.20	0.874	15.47	0.638	16.73	0.443
12.97	2.482	14.23	0.865	15.50	0.633	16.77	0.439
13.00	2.368	14.27	0.856	15.53	0.627	16.80	0.436
13.03	2.250	14.30	0.848	15.57	0.621	16.83	0.433
13.07	2.130	14.33	0.839	15.60	0.616	16.87	0.430

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AREA #6

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
16.90	0.427	18.73	0.292	20.57	0.245	22.40	0.225
16.93	0.424	18.77	0.290	20.60	0.244	22.43	0.224
16.97	0.422	18.80	0.289	20.63	0.243	22.47	0.223
17.00	0.419	18.83	0.288	20.67	0.242	22.50	0.221
17.03	0.416	18.87	0.287	20.70	0.242	22.53	0.220
17.07	0.413	18.90	0.286	20.73	0.241	22.57	0.219
17.10	0.411	18.93	0.285	20.77	0.240	22.60	0.218
17.13	0.408	18.97	0.285	20.80	0.239	22.63	0.217
17.17	0.405	19.00	0.284	20.83	0.238	22.67	0.216
17.20	0.403	19.03	0.283	20.87	0.237	22.70	0.215
17.23	0.400	19.07	0.282	20.90	0.236	22.73	0.214
17.27	0.397	19.10	0.281	20.93	0.236	22.77	0.213
17.30	0.395	19.13	0.280	20.97	0.235	22.80	0.211
17.33	0.392	19.17	0.280	21.00	0.234	22.83	0.210
17.37	0.389	19.20	0.279	21.03	0.233	22.87	0.209
17.40	0.387	19.23	0.278	21.07	0.232	22.90	0.207
17.43	0.384	19.27	0.277	21.10	0.231	22.93	0.206
17.47	0.381	19.30	0.276	21.13	0.230	22.97	0.205
17.50	0.378	19.33	0.276	21.17	0.229	23.00	0.203
17.53	0.376	19.37	0.275	21.20	0.229	23.03	0.202
17.57	0.373	19.40	0.274	21.23	0.228	23.07	0.201
17.60	0.370	19.43	0.273	21.27	0.227	23.10	0.199
17.63	0.367	19.47	0.272	21.30	0.226	23.13	0.198
17.67	0.365	19.50	0.272	21.33	0.225	23.17	0.196
17.70	0.362	19.53	0.271	21.37	0.224	23.20	0.195
17.73	0.359	19.57	0.270	21.40	0.223	23.23	0.194
17.77	0.356	19.60	0.269	21.43	0.222	23.27	0.193
17.80	0.353	19.63	0.268	21.47	0.222	23.30	0.193
17.83	0.351	19.67	0.268	21.50	0.221	23.33	0.192
17.87	0.348	19.70	0.267	21.53	0.220	23.37	0.191
17.90	0.345	19.73	0.266	21.57	0.219	23.40	0.191
17.93	0.342	19.77	0.265	21.60	0.218	23.43	0.190
17.97	0.339	19.80	0.264	21.63	0.217	23.47	0.189
18.00	0.337	19.83	0.263	21.67	0.216	23.50	0.188
18.03	0.334	19.87	0.263	21.70	0.215	23.53	0.188
18.07	0.331	19.90	0.262	21.73	0.214	23.57	0.187
18.10	0.328	19.93	0.261	21.77	0.214	23.60	0.186
18.13	0.325	19.97	0.260	21.80	0.213	23.63	0.186
18.17	0.323	20.00	0.259	21.83	0.212	23.67	0.185
18.20	0.320	20.03	0.258	21.87	0.211	23.70	0.184
18.23	0.318	20.07	0.258	21.90	0.210	23.73	0.184
18.27	0.315	20.10	0.257	21.93	0.209	23.77	0.183
18.30	0.313	20.13	0.256	21.97	0.208	23.80	0.182
18.33	0.311	20.17	0.255	22.00	0.207	23.83	0.182
18.37	0.309	20.20	0.254	22.03	0.210	23.87	0.181
18.40	0.307	20.23	0.253	22.07	0.212	23.90	0.180
18.43	0.305	20.27	0.253	22.10	0.214	23.93	0.180
18.47	0.303	20.30	0.252	22.13	0.217	23.97	0.179
18.50	0.301	20.33	0.251	22.17	0.220	24.00	0.178
18.53	0.300	20.37	0.250	22.20	0.222	24.03	0.176
18.57	0.298	20.40	0.249	22.23	0.225	24.07	0.173
18.60	0.297	20.43	0.248	22.27	0.228	24.10	0.169
18.63	0.295	20.47	0.248	22.30	0.227	24.13	0.164
18.67	0.294	20.50	0.247	22.33	0.226	24.17	0.157
18.70	0.293	20.53	0.246	22.37	0.225	24.20	0.150

Continues on next page...

AREA #6

Hydrograph Discharge Table

Time -- Outflow (hrs cfs)	
24.23	0.141
24.27	0.131
24.30	0.122
24.33	0.112
24.37	0.104
24.40	0.095
24.43	0.087
24.47	0.079
24.50	0.072
24.53	0.065
24.57	0.059
24.60	0.052
24.63	0.046
24.67	0.041
24.70	0.036

...End

Hydrograph Report

Hyd. No. 5

TOAL EX- FLOW TO DITCH

Hydrograph type	= Combine	Peak discharge	= 40.36 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.53 hrs
Time interval	= 2 min	Hyd. volume	= 794,495 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 52.560 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
10.20	0.137	0.272	0.000	0.000	0.409
10.23	0.151	0.285	0.000	0.000	0.437
10.27	0.166	0.299	0.000	0.000	0.465
10.30	0.181	0.313	0.000	0.000	0.495
10.33	0.198	0.328	0.000	0.000	0.525
10.37	0.215	0.343	0.000	0.000	0.557
10.40	0.232	0.358	0.000	0.000	0.590
10.43	0.251	0.374	0.000	0.000	0.625
10.47	0.270	0.390	0.000	0.000	0.660
10.50	0.289	0.407	0.000	0.000	0.697
10.53	0.310	0.424	0.000	0.000	0.734
10.57	0.331	0.442	0.000	0.000	0.773
10.60	0.353	0.460	0.000	0.000	0.813
10.63	0.375	0.479	0.000	0.000	0.854
10.67	0.399	0.498	0.000	0.000	0.897
10.70	0.422	0.518	0.000	0.000	0.940
10.73	0.447	0.538	0.000	0.000	0.985
10.77	0.472	0.559	0.000	0.000	1.031
10.80	0.498	0.580	0.000	0.000	1.078
10.83	0.524	0.602	0.000	0.000	1.126
10.87	0.551	0.624	0.000	0.000	1.176
10.90	0.579	0.647	0.000	0.000	1.226
10.93	0.608	0.670	0.000	0.000	1.278
10.97	0.637	0.694	0.000	0.000	1.331
11.00	0.667	0.719	0.000	0.000	1.386
11.03	0.698	0.744	0.000	0.000	1.442
11.07	0.730	0.770	0.000	0.000	1.499
11.10	0.763	0.796	0.000	0.000	1.559
11.13	0.798	0.824	0.000	0.000	1.622
11.17	0.835	0.853	0.000	0.000	1.688
11.20	0.874	0.883	0.000	0.000	1.758
11.23	0.916	0.915	0.000	0.000	1.831
11.27	0.961	0.949	0.000	0.000	1.910
11.30	1.010	0.984	0.000	0.000	1.994
11.33	1.062	1.022	0.000	0.000	2.083
11.37	1.117	1.062	0.000	0.000	2.179
11.40	1.176	1.104	0.000	0.000	2.280
11.43	1.239	1.149	0.000	0.000	2.388
11.47	1.305	1.197	0.000	0.000	2.502
11.50	1.375	1.247	0.000	0.000	2.622
11.53	1.452	1.301	0.000	0.000	2.753
11.57	1.538	1.361	0.000	0.000	2.899
11.60	1.641	1.429	0.000	0.000	3.069
11.63	1.764	1.507	0.000	0.000	3.271

Continues on next page...

TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
11.67	1.913	1.599	0.000	0.000	3.512
11.70	2.096	1.706	0.000	0.001	3.803
11.73	2.319	1.831	0.002	0.003	4.155
11.77	2.589	1.979	0.006	0.009	4.582
11.80	2.912	2.151	0.013	0.019	5.096
11.83	3.292	2.353	0.024	0.036	5.705
11.87	3.731	2.586	0.042	0.062	6.422
11.90	4.234	2.856	0.068	0.100	7.257
11.93	4.831	3.177	0.105	0.156	8.269
11.97	5.588	3.576	0.164	0.242	9.570
12.00	6.581	4.083	0.256	0.376	11.30
12.03	7.820	4.702	0.388	0.565	13.47
12.07	9.229	5.403	0.555	0.799	15.99
12.10	10.72	6.152	0.750	1.066	18.69
12.13	12.25	6.927	0.966	1.353	21.49
12.17	13.78	7.722	1.201	1.658	24.36
12.20	15.26	8.528	1.455	1.970	27.21
12.23	16.58	9.337	1.725	2.271	29.91
12.27	17.62	10.14	2.007	2.536	32.30
12.30	18.35	10.93	2.300	2.752	34.33
12.33	18.84	11.67	2.598	2.924	36.03
12.37	19.17	12.33	2.896	3.067	37.46
12.40	19.38	12.87	3.181	3.188	38.62
12.43	19.48 <<	13.25	3.434	3.286	39.46
12.47	19.47	13.53	3.646	3.358	40.00
12.50	19.34	13.72	3.822	3.406	40.29
12.53	19.11	13.86	3.970	3.428 <<	40.36 <<
12.57	18.78	13.94	4.097	3.427	40.24
12.60	18.36	13.96 <<	4.203	3.406	39.93
12.63	17.87	13.94	4.290	3.367	39.46
12.67	17.31	13.87	4.359	3.312	38.85
12.70	16.71	13.76	4.409	3.245	38.13
12.73	16.08	13.62	4.444	3.168	37.30
12.77	15.42	13.44	4.464	3.085	36.41
12.80	14.75	13.24	4.471 <<	2.996	35.46
12.83	14.07	13.02	4.467	2.903	34.46
12.87	13.39	12.78	4.454	2.804	33.43
12.90	12.70	12.53	4.434	2.701	32.36
12.93	12.00	12.27	4.408	2.594	31.28
12.97	11.31	12.01	4.378	2.482	30.18
13.00	10.62	11.73	4.343	2.368	29.06
13.03	9.930	11.45	4.305	2.250	27.94
13.07	9.254	11.16	4.262	2.130	26.81
13.10	8.593	10.87	4.216	2.010	25.69
13.13	7.960	10.56	4.166	1.891	24.58
13.17	7.377	10.26	4.112	1.777	23.52
13.20	6.870	9.942	4.056	1.674	22.54
13.23	6.446	9.623	3.996	1.585	21.65
13.27	6.088	9.301	3.933	1.508	20.83
13.30	5.776	8.974	3.867	1.440	20.06
13.33	5.498	8.646	3.798	1.379	19.32
13.37	5.253	8.315	3.728	1.324	18.62
13.40	5.037	7.984	3.655	1.276	17.95
13.43	4.848	7.654	3.579	1.233	17.31
13.47	4.684	7.325	3.502	1.197	16.71
13.50	4.543	6.999	3.424	1.165	16.13

Continues on next page...

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
13.53	4.421	6.676	3.343	1.137	15.58
13.57	4.316	6.357	3.260	1.113	15.05
13.60	4.225	6.044	3.175	1.093	14.54
13.63	4.144	5.737	3.089	1.075	14.05
13.67	4.072	5.439	3.001	1.058	13.57
13.70	4.005	5.149	2.911	1.043	13.11
13.73	3.940	4.874	2.819	1.029	12.66
13.77	3.879	4.621	2.727	1.015	12.24
13.80	3.821	4.400	2.634	1.002	11.86
13.83	3.765	4.213	2.541	0.989	11.51
13.87	3.712	4.053	2.449	0.977	11.19
13.90	3.661	3.911	2.358	0.966	10.90
13.93	3.611	3.783	2.271	0.954	10.62
13.97	3.564	3.667	2.191	0.943	10.37
14.00	3.517	3.562	2.121	0.933	10.13
14.03	3.472	3.469	2.060	0.923	9.923
14.07	3.428	3.385	2.004	0.912	9.729
14.10	3.386	3.309	1.952	0.903	9.550
14.13	3.344	3.242	1.905	0.893	9.384
14.17	3.303	3.181	1.862	0.883	9.230
14.20	3.264	3.126	1.823	0.874	9.086
14.23	3.225	3.076	1.788	0.865	8.953
14.27	3.187	3.029	1.756	0.856	8.827
14.30	3.150	2.984	1.727	0.848	8.709
14.33	3.115	2.941	1.701	0.839	8.596
14.37	3.081	2.900	1.677	0.831	8.489
14.40	3.047	2.861	1.655	0.823	8.387
14.43	3.015	2.824	1.635	0.816	8.290
14.47	2.984	2.788	1.616	0.808	8.196
14.50	2.954	2.754	1.598	0.801	8.106
14.53	2.924	2.721	1.580	0.794	8.019
14.57	2.896	2.689	1.563	0.788	7.936
14.60	2.868	2.659	1.547	0.781	7.855
14.63	2.841	2.630	1.531	0.775	7.776
14.67	2.815	2.602	1.516	0.768	7.700
14.70	2.789	2.574	1.501	0.762	7.627
14.73	2.764	2.547	1.487	0.756	7.555
14.77	2.739	2.522	1.474	0.751	7.485
14.80	2.715	2.496	1.461	0.745	7.417
14.83	2.692	2.471	1.448	0.739	7.350
14.87	2.669	2.447	1.435	0.734	7.284
14.90	2.646	2.422	1.423	0.728	7.220
14.93	2.624	2.399	1.411	0.723	7.157
14.97	2.602	2.375	1.399	0.718	7.094
15.00	2.580	2.353	1.387	0.712	7.033
15.03	2.559	2.330	1.376	0.707	6.972
15.07	2.538	2.308	1.364	0.702	6.912
15.10	2.516	2.286	1.353	0.697	6.852
15.13	2.495	2.265	1.342	0.692	6.793
15.17	2.474	2.243	1.331	0.686	6.735
15.20	2.453	2.222	1.320	0.681	6.676
15.23	2.431	2.202	1.309	0.676	6.618
15.27	2.410	2.181	1.299	0.671	6.561
15.30	2.389	2.161	1.288	0.665	6.503
15.33	2.367	2.141	1.278	0.660	6.446
15.37	2.346	2.122	1.267	0.655	6.389

Continues on next page...

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
15.40	2.324	2.102	1.257	0.649	6.332
15.43	2.303	2.083	1.246	0.644	6.275
15.47	2.281	2.063	1.236	0.638	6.219
15.50	2.259	2.044	1.226	0.633	6.162
15.53	2.237	2.025	1.216	0.627	6.106
15.57	2.216	2.007	1.206	0.621	6.049
15.60	2.194	1.988	1.196	0.616	5.993
15.63	2.172	1.969	1.186	0.610	5.937
15.67	2.150	1.950	1.176	0.604	5.880
15.70	2.128	1.932	1.166	0.599	5.824
15.73	2.106	1.913	1.156	0.593	5.768
15.77	2.084	1.894	1.146	0.587	5.711
15.80	2.061	1.876	1.136	0.581	5.654
15.83	2.039	1.857	1.126	0.576	5.598
15.87	2.017	1.838	1.116	0.570	5.541
15.90	1.995	1.820	1.106	0.564	5.484
15.93	1.972	1.801	1.096	0.558	5.427
15.97	1.950	1.782	1.086	0.552	5.369
16.00	1.928	1.763	1.075	0.546	5.312
16.03	1.905	1.744	1.065	0.540	5.254
16.07	1.883	1.725	1.055	0.534	5.197
16.10	1.861	1.707	1.045	0.528	5.140
16.13	1.839	1.688	1.034	0.522	5.083
16.17	1.817	1.669	1.024	0.517	5.027
16.20	1.796	1.651	1.014	0.511	4.972
16.23	1.776	1.633	1.004	0.505	4.918
16.27	1.756	1.615	0.994	0.500	4.865
16.30	1.737	1.597	0.984	0.495	4.813
16.33	1.719	1.579	0.974	0.490	4.762
16.37	1.701	1.562	0.964	0.485	4.713
16.40	1.684	1.546	0.955	0.481	4.665
16.43	1.667	1.529	0.945	0.476	4.619
16.47	1.652	1.513	0.936	0.472	4.573
16.50	1.636	1.498	0.927	0.468	4.529
16.53	1.621	1.483	0.919	0.464	4.487
16.57	1.607	1.468	0.910	0.460	4.445
16.60	1.593	1.453	0.902	0.456	4.404
16.63	1.580	1.439	0.893	0.453	4.365
16.67	1.567	1.425	0.885	0.449	4.327
16.70	1.554	1.412	0.877	0.446	4.289
16.73	1.542	1.399	0.870	0.443	4.253
16.77	1.530	1.386	0.862	0.439	4.217
16.80	1.518	1.373	0.855	0.436	4.182
16.83	1.507	1.361	0.847	0.433	4.148
16.87	1.496	1.349	0.840	0.430	4.115
16.90	1.485	1.337	0.833	0.427	4.082
16.93	1.474	1.325	0.826	0.424	4.050
16.97	1.464	1.314	0.820	0.422	4.019
17.00	1.453	1.303	0.813	0.419	3.988
17.03	1.443	1.292	0.807	0.416	3.958
17.07	1.433	1.281	0.800	0.413	3.928
17.10	1.423	1.271	0.794	0.411	3.899
17.13	1.413	1.261	0.788	0.408	3.870
17.17	1.404	1.250	0.782	0.405	3.841
17.20	1.394	1.241	0.776	0.403	3.813
17.23	1.384	1.231	0.770	0.400	3.785

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
17.27	1.374	1.221	0.764	0.397	3.757
17.30	1.364	1.212	0.758	0.395	3.729
17.33	1.354	1.202	0.753	0.392	3.701
17.37	1.344	1.193	0.747	0.389	3.674
17.40	1.334	1.184	0.742	0.387	3.647
17.43	1.324	1.175	0.736	0.384	3.620
17.47	1.314	1.166	0.731	0.381	3.593
17.50	1.304	1.157	0.726	0.378	3.566
17.53	1.294	1.149	0.721	0.376	3.539
17.57	1.284	1.140	0.715	0.373	3.513
17.60	1.274	1.131	0.710	0.370	3.486
17.63	1.264	1.123	0.705	0.367	3.460
17.67	1.254	1.114	0.700	0.365	3.433
17.70	1.244	1.106	0.695	0.362	3.407
17.73	1.234	1.097	0.690	0.359	3.381
17.77	1.224	1.089	0.685	0.356	3.355
17.80	1.214	1.081	0.680	0.353	3.328
17.83	1.204	1.072	0.675	0.351	3.302
17.87	1.194	1.064	0.670	0.348	3.276
17.90	1.184	1.055	0.665	0.345	3.249
17.93	1.174	1.047	0.660	0.342	3.223
17.97	1.163	1.038	0.655	0.339	3.196
18.00	1.153	1.030	0.650	0.337	3.170
18.03	1.143	1.021	0.646	0.334	3.144
18.07	1.133	1.013	0.641	0.331	3.117
18.10	1.123	1.004	0.636	0.328	3.091
18.13	1.114	0.996	0.631	0.325	3.065
18.17	1.104	0.987	0.626	0.323	3.040
18.20	1.095	0.979	0.621	0.320	3.015
18.23	1.086	0.971	0.616	0.318	2.991
18.27	1.077	0.963	0.611	0.315	2.967
18.30	1.069	0.955	0.607	0.313	2.944
18.33	1.061	0.948	0.602	0.311	2.922
18.37	1.054	0.940	0.598	0.309	2.900
18.40	1.047	0.933	0.593	0.307	2.880
18.43	1.040	0.926	0.589	0.305	2.860
18.47	1.034	0.919	0.585	0.303	2.841
18.50	1.027	0.913	0.581	0.301	2.822
18.53	1.022	0.906	0.577	0.300	2.805
18.57	1.016	0.900	0.573	0.298	2.788
18.60	1.011	0.894	0.569	0.297	2.771
18.63	1.006	0.889	0.566	0.295	2.755
18.67	1.001	0.883	0.562	0.294	2.740
18.70	0.996	0.878	0.559	0.293	2.726
18.73	0.992	0.872	0.556	0.292	2.712
18.77	0.988	0.867	0.552	0.290	2.698
18.80	0.984	0.862	0.549	0.289	2.685
18.83	0.980	0.858	0.546	0.288	2.673
18.87	0.977	0.853	0.544	0.287	2.660
18.90	0.973	0.848	0.541	0.286	2.649
18.93	0.970	0.844	0.538	0.285	2.637
18.97	0.966	0.840	0.535	0.285	2.626
19.00	0.963	0.836	0.533	0.284	2.616
19.03	0.960	0.832	0.530	0.283	2.605
19.07	0.957	0.828	0.528	0.282	2.595
19.10	0.954	0.825	0.526	0.281	2.585

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
19.13	0.951	0.821	0.523	0.280	2.576
19.17	0.948	0.817	0.521	0.280	2.566
19.20	0.945	0.814	0.519	0.279	2.557
19.23	0.942	0.811	0.517	0.278	2.548
19.27	0.939	0.808	0.515	0.277	2.539
19.30	0.936	0.804	0.513	0.276	2.530
19.33	0.933	0.801	0.511	0.276	2.521
19.37	0.930	0.798	0.509	0.275	2.513
19.40	0.927	0.796	0.507	0.274	2.504
19.43	0.924	0.793	0.505	0.273	2.496
19.47	0.921	0.790	0.504	0.272	2.487
19.50	0.918	0.787	0.502	0.272	2.479
19.53	0.915	0.785	0.500	0.271	2.471
19.57	0.912	0.782	0.499	0.270	2.463
19.60	0.909	0.779	0.497	0.269	2.455
19.63	0.906	0.777	0.495	0.268	2.447
19.67	0.903	0.774	0.494	0.268	2.439
19.70	0.900	0.772	0.492	0.267	2.431
19.73	0.897	0.769	0.491	0.266	2.423
19.77	0.894	0.766	0.489	0.265	2.415
19.80	0.891	0.764	0.488	0.264	2.407
19.83	0.888	0.761	0.486	0.263	2.400
19.87	0.885	0.759	0.485	0.263	2.392
19.90	0.882	0.756	0.483	0.262	2.384
19.93	0.879	0.754	0.482	0.261	2.376
19.97	0.876	0.751	0.481	0.260	2.368
20.00	0.873	0.749	0.479	0.259	2.360
20.03	0.870	0.746	0.478	0.258	2.353
20.07	0.867	0.744	0.476	0.258	2.345
20.10	0.864	0.741	0.475	0.257	2.337
20.13	0.861	0.739	0.473	0.256	2.329
20.17	0.858	0.736	0.472	0.255	2.321
20.20	0.855	0.733	0.470	0.254	2.313
20.23	0.852	0.731	0.469	0.253	2.305
20.27	0.849	0.728	0.467	0.253	2.297
20.30	0.846	0.726	0.466	0.252	2.290
20.33	0.843	0.723	0.464	0.251	2.282
20.37	0.840	0.721	0.463	0.250	2.274
20.40	0.837	0.718	0.461	0.249	2.266
20.43	0.834	0.716	0.460	0.248	2.258
20.47	0.831	0.713	0.458	0.248	2.250
20.50	0.828	0.710	0.457	0.247	2.242
20.53	0.825	0.708	0.455	0.246	2.234
20.57	0.822	0.705	0.454	0.245	2.226
20.60	0.819	0.703	0.452	0.244	2.218
20.63	0.816	0.700	0.451	0.243	2.210
20.67	0.813	0.698	0.449	0.242	2.202
20.70	0.810	0.695	0.448	0.242	2.194
20.73	0.807	0.693	0.446	0.241	2.186
20.77	0.804	0.690	0.445	0.240	2.178
20.80	0.800	0.687	0.443	0.239	2.170
20.83	0.797	0.685	0.442	0.238	2.162
20.87	0.794	0.682	0.440	0.237	2.154
20.90	0.791	0.680	0.439	0.236	2.146
20.93	0.788	0.677	0.437	0.236	2.138
20.97	0.785	0.675	0.436	0.235	2.130

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
21.00	0.782	0.672	0.434	0.234	2.122
21.03	0.779	0.669	0.432	0.233	2.114
21.07	0.776	0.667	0.431	0.232	2.106
21.10	0.773	0.664	0.429	0.231	2.098
21.13	0.770	0.662	0.428	0.230	2.090
21.17	0.767	0.659	0.426	0.229	2.082
21.20	0.764	0.656	0.425	0.229	2.074
21.23	0.761	0.654	0.423	0.228	2.065
21.27	0.758	0.651	0.422	0.227	2.057
21.30	0.754	0.649	0.420	0.226	2.049
21.33	0.751	0.646	0.419	0.225	2.041
21.37	0.748	0.644	0.417	0.224	2.033
21.40	0.745	0.641	0.415	0.223	2.025
21.43	0.742	0.638	0.414	0.222	2.017
21.47	0.739	0.636	0.412	0.222	2.009
21.50	0.736	0.633	0.411	0.221	2.000
21.53	0.733	0.631	0.409	0.220	1.992
21.57	0.730	0.628	0.408	0.219	1.984
21.60	0.727	0.625	0.406	0.218	1.976
21.63	0.724	0.623	0.404	0.217	1.968
21.67	0.720	0.620	0.403	0.216	1.960
21.70	0.717	0.618	0.401	0.215	1.952
21.73	0.714	0.615	0.400	0.214	1.943
21.77	0.711	0.612	0.398	0.214	1.935
21.80	0.708	0.610	0.397	0.213	1.927
21.83	0.705	0.607	0.395	0.212	1.919
21.87	0.702	0.605	0.393	0.211	1.911
21.90	0.699	0.602	0.392	0.210	1.902
21.93	0.696	0.599	0.390	0.209	1.894
21.97	0.692	0.597	0.389	0.208	1.886
22.00	0.689	0.594	0.387	0.207	1.878
22.03	0.697	0.595	0.388	0.210	1.889
22.07	0.704	0.597	0.388	0.212	1.901
22.10	0.712	0.598	0.389	0.214	1.914
22.13	0.721	0.600	0.389	0.217	1.927
22.17	0.729	0.602	0.390	0.220	1.941
22.20	0.738	0.604	0.391	0.222	1.956
22.23	0.748	0.606	0.392	0.225	1.971
22.27	0.758	0.608	0.393	0.228	1.987
22.30	0.755	0.610	0.394	0.227	1.986
22.33	0.751	0.613	0.395	0.226	1.986
22.37	0.748	0.615	0.397	0.225	1.985
22.40	0.745	0.618	0.398	0.225	1.985
22.43	0.741	0.616	0.399	0.224	1.980
22.47	0.738	0.614	0.398	0.223	1.972
22.50	0.734	0.612	0.397	0.221	1.965
22.53	0.731	0.610	0.396	0.220	1.957
22.57	0.727	0.608	0.395	0.219	1.949
22.60	0.723	0.605	0.393	0.218	1.940
22.63	0.719	0.603	0.392	0.217	1.932
22.67	0.716	0.601	0.391	0.216	1.924
22.70	0.712	0.599	0.390	0.215	1.915
22.73	0.708	0.597	0.388	0.214	1.907
22.77	0.704	0.595	0.387	0.213	1.898
22.80	0.699	0.592	0.386	0.211	1.889
22.83	0.695	0.590	0.384	0.210	1.880

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
22.87	0.691	0.588	0.383	0.209	1.871
22.90	0.686	0.586	0.382	0.207	1.861
22.93	0.682	0.583	0.381	0.206	1.852
22.97	0.677	0.581	0.379	0.205	1.842
23.00	0.673	0.579	0.378	0.203	1.833
23.03	0.668	0.576	0.376	0.202	1.823
23.07	0.663	0.574	0.375	0.201	1.813
23.10	0.658	0.572	0.374	0.199	1.803
23.13	0.653	0.569	0.372	0.198	1.792
23.17	0.648	0.567	0.371	0.196	1.782
23.20	0.643	0.564	0.370	0.195	1.771
23.23	0.640	0.562	0.368	0.194	1.764
23.27	0.638	0.559	0.367	0.193	1.757
23.30	0.636	0.557	0.365	0.193	1.750
23.33	0.633	0.554	0.364	0.192	1.743
23.37	0.631	0.551	0.362	0.191	1.736
23.40	0.629	0.549	0.361	0.191	1.729
23.43	0.626	0.546	0.359	0.190	1.721
23.47	0.624	0.543	0.358	0.189	1.714
23.50	0.622	0.541	0.356	0.188	1.707
23.53	0.619	0.538	0.355	0.188	1.699
23.57	0.617	0.535	0.353	0.187	1.692
23.60	0.615	0.532	0.351	0.186	1.684
23.63	0.612	0.529	0.350	0.186	1.677
23.67	0.610	0.526	0.348	0.185	1.669
23.70	0.608	0.523	0.346	0.184	1.662
23.73	0.605	0.520	0.345	0.184	1.654
23.77	0.603	0.517	0.343	0.183	1.646
23.80	0.600	0.514	0.341	0.182	1.639
23.83	0.598	0.512	0.340	0.182	1.632
23.87	0.596	0.510	0.338	0.181	1.625
23.90	0.593	0.509	0.336	0.180	1.618
23.93	0.591	0.507	0.334	0.180	1.611
23.97	0.589	0.505	0.332	0.179	1.605
24.00	0.586	0.503	0.331	0.178	1.598
24.03	0.580	0.499	0.329	0.176	1.585
24.07	0.570	0.494	0.326	0.173	1.564
24.10	0.556	0.488	0.323	0.169	1.536
24.13	0.539	0.481	0.318	0.164	1.501
24.17	0.517	0.472	0.313	0.157	1.460
24.20	0.492	0.461	0.307	0.150	1.411
24.23	0.463	0.449	0.301	0.141	1.354
24.27	0.431	0.436	0.293	0.131	1.291
24.30	0.399	0.422	0.285	0.122	1.228
24.33	0.369	0.406	0.276	0.112	1.164
24.37	0.341	0.389	0.266	0.104	1.099
24.40	0.313	0.370	0.256	0.095	1.034
24.43	0.286	0.352	0.245	0.087	0.970
24.47	0.261	0.334	0.234	0.079	0.909
24.50	0.237	0.317	0.223	0.072	0.850
24.53	0.214	0.301	0.213	0.065	0.793
24.57	0.192	0.284	0.203	0.059	0.738
24.60	0.172	0.269	0.193	0.052	0.686
24.63	0.153	0.253	0.183	0.046	0.636
24.67	0.135	0.239	0.174	0.041	0.588
24.70	0.118	0.224	0.165	0.036	0.542

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
24.73	0.102	0.210	0.156	0.031	0.499
24.77	0.087	0.197	0.147	0.026	0.458
24.80	0.074	0.184	0.139	0.022	0.419

...End

Hydrograph Report

Hyd. No. 6

EXIST ROUTED FLOW

Hydrograph type	= Reservoir (Interconnected)	Peak discharge	= 21.02 cfs
Storm frequency	= 10 yrs	Time to peak	= 13.27 hrs
Time interval	= 2 min	Hyd. volume	= 794,492 cuft
Upper Pond		**Lower Pond**	
Pond name	= EX-BASIN #3	Pond name	= EXIST-DITCH
Inflow hyd.	= 5 - TOAL EX- FLOW TO DITCH	Other Inflow hyd.	= None
Max. Elevation	= 96.14 ft	Max. Elevation	= 89.92 ft
Max. Storage	= 87,971 cuft	Max. Storage	= 653 cuft

Interconnected Pond Routing. Storage Indication method used.

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

	|<----- Upper Pond ----->|		|<--------- Lower Pond --------->|				
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
10.27	0.465	93.91	0.238	0.238	-----	88.90	-----	0.231
10.30	0.495	93.92	0.261	0.261	-----	88.91	-----	0.253
10.33	0.525	93.93	0.286	0.286	-----	88.91	-----	0.278
10.37	0.557	93.94	0.312	0.312	-----	88.92	-----	0.305
10.40	0.590	93.94	0.340	0.340	-----	88.92	-----	0.332
10.43	0.625	93.95	0.369	0.369	-----	88.93	-----	0.360
10.47	0.660	93.96	0.399	0.399	-----	88.94	-----	0.390
10.50	0.697	93.97	0.431	0.431	-----	88.94	-----	0.423
10.53	0.734	93.98	0.464	0.464	-----	88.95	-----	0.455
10.57	0.773	93.99	0.498	0.498	-----	88.95	-----	0.489
10.60	0.813	94.00	0.534	0.534	-----	88.96	-----	0.526
10.63	0.854	94.00	0.562	0.562	-----	88.97	-----	0.557
10.67	0.897	94.00	0.569	0.569	-----	88.97	-----	0.569
10.70	0.940	94.00	0.576	0.576	-----	88.97	-----	0.574
10.73	0.985	94.01	0.583	0.583	-----	88.97	-----	0.582
10.77	1.031	94.01	0.592	0.592	-----	88.97	-----	0.590
10.80	1.078	94.01	0.601	0.601	-----	88.97	-----	0.599
10.83	1.126	94.01	0.611	0.611	-----	88.97	-----	0.609
10.87	1.176	94.02	0.622	0.622	-----	88.98	-----	0.620
10.90	1.226	94.02	0.634	0.634	-----	88.98	-----	0.631
10.93	1.278	94.02	0.646	0.646	-----	88.98	-----	0.644
10.97	1.331	94.02	0.659	0.659	-----	88.98	-----	0.657
11.00	1.386	94.03	0.673	0.673	-----	88.98	-----	0.671
11.03	1.442	94.03	0.688	0.688	-----	88.98	-----	0.685
11.07	1.499	94.03	0.704	0.704	-----	88.99	-----	0.701
11.10	1.559	94.04	0.721	0.721	-----	88.99	-----	0.717
11.13	1.622	94.04	0.738	0.738	-----	88.99	-----	0.735
11.17	1.688	94.05	0.757	0.757	-----	88.99	-----	0.753
11.20	1.758	94.05	0.776	0.776	-----	89.00	-----	0.772
11.23	1.831	94.06	0.796	0.796	-----	89.00	-----	0.792
11.27	1.910	94.06	0.818	0.818	-----	89.00	-----	0.806
11.30	1.994	94.07	0.841	0.841	-----	89.00	-----	0.827
11.33	2.083	94.07	0.865	0.865	-----	89.01	-----	0.850
11.37	2.179	94.08	0.890	0.890	-----	89.01	-----	0.875
11.40	2.280	94.08	0.917	0.917	-----	89.01	-----	0.901
11.43	2.388	94.09	0.946	0.946	-----	89.01	-----	0.928
11.47	2.502	94.10	0.976	0.976	-----	89.02	-----	0.958

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
11.50	2.622	94.10	1.008	1.008	-----	89.02	-----	0.988
11.53	2.753	94.11	1.048	1.048	-----	89.03	-----	1.024
11.57	2.899	94.12	1.090	1.090	-----	89.03	-----	1.064
11.60	3.069	94.13	1.134	1.134	-----	89.03	-----	1.107
11.63	3.271	94.14	1.182	1.182	-----	89.04	-----	1.153
11.67	3.512	94.15	1.235	1.235	-----	89.04	-----	1.203
11.70	3.803	94.16	1.292	1.292	-----	89.05	-----	1.257
11.73	4.155	94.17	1.355	1.355	-----	89.06	-----	1.317
11.77	4.582	94.19	1.426	1.426	-----	89.06	-----	1.384
11.80	5.096	94.20	1.507	1.507	-----	89.07	-----	1.459
11.83	5.705	94.22	1.608	1.608	-----	89.08	-----	1.548
11.87	6.422	94.24	1.727	1.727	-----	89.09	-----	1.655
11.90	7.257	94.27	1.863	1.863	-----	89.11	-----	1.792
11.93	8.269	94.30	2.020	2.020	-----	89.12	-----	1.949
11.97	9.570	94.33	2.213	2.213	-----	89.13	-----	2.125
12.00	11.30	94.37	2.454	2.454	-----	89.15	-----	2.344
12.03	13.47	94.42	2.746	2.746	-----	89.17	-----	2.613
12.07	15.99	94.48	3.125	3.125	-----	89.20	-----	2.952
12.10	18.69	94.55	3.585	3.585	-----	89.23	-----	3.423
12.13	21.49	94.63	4.149	4.149	-----	89.26	-----	3.942
12.17	24.36	94.72	4.824	4.824	-----	89.30	-----	4.581
12.20	27.21	94.81	5.614	5.614	-----	89.34	-----	5.383
12.23	29.91	94.92	6.521	6.521	-----	89.39	-----	6.244
12.27	32.30	95.02	7.541	7.541	-----	89.44	-----	7.278
12.30	34.33	95.08	8.221	8.221	-----	89.47	-----	8.078
12.33	36.03	95.14	8.830	8.830	-----	89.50	-----	8.672
12.37	37.46	95.21	9.481	9.481	-----	89.53	-----	9.342
12.40	38.62	95.27	10.16	10.16	-----	89.55	-----	10.01
12.43	39.46	95.34	10.86	10.86	-----	89.58	-----	10.71
12.47	40.00	95.40	11.58	11.58	-----	89.61	-----	11.43
12.50	40.29	95.47	12.31	12.31	-----	89.63	-----	12.17
12.53	40.36 <<	95.53	13.03	13.03	-----	89.66	-----	12.88
12.57	40.24	95.59	13.75	13.75	-----	89.69	-----	13.61
12.60	39.93	95.65	14.46	14.46	-----	89.71	-----	14.33
12.63	39.46	95.71	15.14	15.14	-----	89.73	-----	15.02
12.67	38.85	95.76	15.81	15.81	-----	89.75	-----	15.69
12.70	38.13	95.81	16.44	16.44	-----	89.78	-----	16.33
12.73	37.30	95.86	17.05	17.05	-----	89.80	-----	16.94
12.77	36.41	95.90	17.62	17.62	-----	89.81	-----	17.52
12.80	35.46	95.94	18.15	18.15	-----	89.83	-----	18.06
12.83	34.46	95.98	18.64	18.64	-----	89.84	-----	18.56
12.87	33.43	96.01	19.09	19.09	-----	89.86	-----	19.02
12.90	32.36	96.03	19.43	19.43	-----	89.87	-----	19.38
12.93	31.28	96.06	19.74	19.74	-----	89.88	-----	19.69
12.97	30.18	96.07	20.00	20.00	-----	89.89	-----	19.96
13.00	29.06	96.09	20.24	20.24	-----	89.89	-----	20.20
13.03	27.94	96.11	20.44	20.44	-----	89.90	-----	20.41
13.07	26.81	96.12	20.61	20.61	-----	89.90	-----	20.58
13.10	25.69	96.13	20.75	20.75	-----	89.91	-----	20.73
13.13	24.58	96.13	20.86	20.86	-----	89.91	-----	20.84
13.17	23.52	96.14	20.94	20.94	-----	89.91	-----	20.93
13.20	22.54	96.14	20.99	20.99	-----	89.91	-----	20.98
13.23	21.65	96.14 <<	21.02	21.02	-----	89.92	-----	21.01
13.27	20.83	96.14 <<	21.02 <<	21.02 <<	-----	89.92 <<	-----	21.02 <<
13.30	20.06	96.14	20.99	20.99	-----	89.92	-----	21.00

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
13.33	19.32	96.14	20.96	20.96	-----	89.91	-----	20.96
13.37	18.62	96.13	20.91	20.91	-----	89.91	-----	20.92
13.40	17.95	96.13	20.84	20.84	-----	89.91	-----	20.85
13.43	17.31	96.12	20.77	20.77	-----	89.91	-----	20.78
13.47	16.71	96.11	20.67	20.67	-----	89.91	-----	20.69
13.50	16.13	96.10	20.57	20.57	-----	89.90	-----	20.59
13.53	15.58	96.10	20.45	20.45	-----	89.90	-----	20.47
13.57	15.05	96.09	20.33	20.33	-----	89.90	-----	20.35
13.60	14.54	96.08	20.19	20.19	-----	89.89	-----	20.22
13.63	14.05	96.06	20.05	20.05	-----	89.89	-----	20.08
13.67	13.57	96.05	19.90	19.90	-----	89.88	-----	19.93
13.70	13.11	96.04	19.74	19.74	-----	89.88	-----	19.77
13.73	12.66	96.03	19.57	19.57	-----	89.87	-----	19.60
13.77	12.24	96.01	19.40	19.40	-----	89.87	-----	19.43
13.80	11.86	96.00	19.21	19.21	-----	89.86	-----	19.24
13.83	11.51	95.98	19.01	19.01	-----	89.86	-----	19.04
13.87	11.19	95.96	18.79	18.79	-----	89.85	-----	18.83
13.90	10.90	95.95	18.57	18.57	-----	89.85	-----	18.61
13.93	10.62	95.93	18.34	18.34	-----	89.84	-----	18.38
13.97	10.37	95.91	18.11	18.11	-----	89.83	-----	18.15
14.00	10.13	95.89	17.89	17.89	-----	89.82	-----	17.92
14.03	9.923	95.87	17.66	17.66	-----	89.82	-----	17.70
14.07	9.729	95.86	17.43	17.43	-----	89.81	-----	17.47
14.10	9.550	95.84	17.21	17.21	-----	89.80	-----	17.25
14.13	9.384	95.82	16.99	16.99	-----	89.80	-----	17.03
14.17	9.230	95.80	16.77	16.77	-----	89.79	-----	16.81
14.20	9.086	95.79	16.56	16.56	-----	89.78	-----	16.59
14.23	8.953	95.77	16.34	16.34	-----	89.78	-----	16.38
14.27	8.827	95.75	16.13	16.13	-----	89.77	-----	16.17
14.30	8.709	95.74	15.93	15.93	-----	89.76	-----	15.97
14.33	8.596	95.72	15.73	15.73	-----	89.76	-----	15.76
14.37	8.489	95.70	15.53	15.53	-----	89.75	-----	15.56
14.40	8.387	95.69	15.33	15.33	-----	89.74	-----	15.37
14.43	8.290	95.67	15.14	15.14	-----	89.74	-----	15.17
14.47	8.196	95.66	14.95	14.95	-----	89.73	-----	14.98
14.50	8.106	95.64	14.77	14.77	-----	89.73	-----	14.80
14.53	8.019	95.63	14.58	14.58	-----	89.72	-----	14.62
14.57	7.936	95.61	14.40	14.40	-----	89.71	-----	14.44
14.60	7.855	95.60	14.23	14.23	-----	89.71	-----	14.26
14.63	7.776	95.58	14.06	14.06	-----	89.70	-----	14.09
14.67	7.700	95.57	13.89	13.89	-----	89.70	-----	13.92
14.70	7.627	95.55	13.72	13.72	-----	89.69	-----	13.76
14.73	7.555	95.54	13.56	13.56	-----	89.68	-----	13.59
14.77	7.485	95.52	13.40	13.40	-----	89.68	-----	13.43
14.80	7.417	95.51	13.24	13.24	-----	89.67	-----	13.27
14.83	7.350	95.50	13.09	13.09	-----	89.67	-----	13.12
14.87	7.284	95.48	12.94	12.94	-----	89.66	-----	12.97
14.90	7.220	95.47	12.79	12.79	-----	89.66	-----	12.82
14.93	7.157	95.46	12.65	12.65	-----	89.65	-----	12.67
14.97	7.094	95.45	12.50	12.50	-----	89.65	-----	12.53
15.00	7.033	95.43	12.36	12.36	-----	89.64	-----	12.39
15.03	6.972	95.42	12.23	12.23	-----	89.64	-----	12.25
15.07	6.912	95.41	12.09	12.09	-----	89.63	-----	12.12
15.10	6.852	95.40	11.96	11.96	-----	89.63	-----	11.98
15.13	6.793	95.39	11.83	11.83	-----	89.62	-----	11.85

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
15.17	6.735	95.38	11.70	11.70	-----	89.62	-----	11.72
15.20	6.676	95.36	11.57	11.57	-----	89.61	-----	11.60
15.23	6.618	95.35	11.45	11.45	-----	89.61	-----	11.48
15.27	6.561	95.34	11.33	11.33	-----	89.61	-----	11.35
15.30	6.503	95.33	11.21	11.21	-----	89.60	-----	11.23
15.33	6.446	95.32	11.09	11.09	-----	89.60	-----	11.12
15.37	6.389	95.31	10.98	10.98	-----	89.59	-----	11.00
15.40	6.332	95.30	10.86	10.86	-----	89.59	-----	10.89
15.43	6.275	95.29	10.75	10.75	-----	89.58	-----	10.77
15.47	6.219	95.28	10.64	10.64	-----	89.58	-----	10.66
15.50	6.162	95.27	10.53	10.53	-----	89.57	-----	10.56
15.53	6.106	95.26	10.43	10.43	-----	89.57	-----	10.45
15.57	6.049	95.25	10.32	10.32	-----	89.57	-----	10.34
15.60	5.993	95.24	10.22	10.22	-----	89.56	-----	10.24
15.63	5.937	95.23	10.11	10.11	-----	89.56	-----	10.14
15.67	5.880	95.22	10.01	10.01	-----	89.55	-----	10.03
15.70	5.824	95.21	9.912	9.912	-----	89.55	-----	9.934
15.73	5.768	95.20	9.814	9.814	-----	89.55	-----	9.835
15.77	5.711	95.19	9.717	9.717	-----	89.54	-----	9.738
15.80	5.654	95.18	9.622	9.622	-----	89.54	-----	9.643
15.83	5.598	95.17	9.528	9.528	-----	89.53	-----	9.549
15.87	5.541	95.16	9.436	9.436	-----	89.53	-----	9.456
15.90	5.484	95.15	9.344	9.344	-----	89.53	-----	9.364
15.93	5.427	95.15	9.253	9.253	-----	89.52	-----	9.273
15.97	5.369	95.14	9.163	9.163	-----	89.52	-----	9.183
16.00	5.312	95.13	9.074	9.074	-----	89.52	-----	9.094
16.03	5.254	95.12	8.986	8.986	-----	89.51	-----	9.005
16.07	5.197	95.11	8.898	8.898	-----	89.51	-----	8.917
16.10	5.140	95.10	8.812	8.812	-----	89.51	-----	8.831
16.13	5.083	95.09	8.727	8.727	-----	89.50	-----	8.745
16.17	5.027	95.09	8.643	8.643	-----	89.50	-----	8.661
16.20	4.972	95.08	8.561	8.561	-----	89.50	-----	8.582
16.23	4.918	95.07	8.479	8.479	-----	89.49	-----	8.500
16.27	4.865	95.06	8.399	8.399	-----	89.49	-----	8.419
16.30	4.813	95.05	8.319	8.319	-----	89.49	-----	8.339
16.33	4.762	95.05	8.239	8.239	-----	89.48	-----	8.260
16.37	4.713	95.04	8.161	8.161	-----	89.48	-----	8.181
16.40	4.665	95.03	8.083	8.083	-----	89.47	-----	8.103
16.43	4.619	95.02	8.006	8.006	-----	89.47	-----	8.025
16.47	4.573	95.01	7.929	7.929	-----	89.47	-----	7.948
16.50	4.529	95.01	7.844	7.844	-----	89.46	-----	7.866
16.53	4.487	95.00	7.747	7.747	-----	89.46	-----	7.772
16.57	4.445	94.98	7.639	7.639	-----	89.46	-----	7.667
16.60	4.404	94.97	7.520	7.520	-----	89.45	-----	7.551
16.63	4.365	94.95	7.392	7.392	-----	89.44	-----	7.425
16.67	4.327	94.94	7.264	7.264	-----	89.44	-----	7.297
16.70	4.289	94.93	7.140	7.140	-----	89.43	-----	7.171
16.73	4.253	94.92	7.020	7.020	-----	89.43	-----	7.050
16.77	4.217	94.90	6.904	6.904	-----	89.42	-----	6.933
16.80	4.182	94.89	6.792	6.792	-----	89.42	-----	6.820
16.83	4.148	94.88	6.685	6.685	-----	89.41	-----	6.712
16.87	4.115	94.87	6.582	6.582	-----	89.41	-----	6.608
16.90	4.082	94.86	6.482	6.482	-----	89.40	-----	6.507
16.93	4.050	94.85	6.385	6.385	-----	89.40	-----	6.411
16.97	4.019	94.84	6.290	6.290	-----	89.39	-----	6.319

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
17.00	3.988	94.83	6.198	6.198	-----	89.39	-----	6.225
17.03	3.958	94.82	6.109	6.109	-----	89.38	-----	6.135
17.07	3.928	94.81	6.022	6.022	-----	89.38	-----	6.048
17.10	3.899	94.80	5.939	5.939	-----	89.37	-----	5.963
17.13	3.870	94.79	5.858	5.858	-----	89.37	-----	5.882
17.17	3.841	94.78	5.781	5.781	-----	89.37	-----	5.804
17.20	3.813	94.77	5.706	5.706	-----	89.36	-----	5.728
17.23	3.785	94.76	5.633	5.633	-----	89.36	-----	5.654
17.27	3.757	94.75	5.561	5.561	-----	89.35	-----	5.582
17.30	3.729	94.75	5.492	5.492	-----	89.35	-----	5.512
17.33	3.701	94.74	5.424	5.424	-----	89.35	-----	5.444
17.37	3.674	94.73	5.357	5.357	-----	89.34	-----	5.377
17.40	3.647	94.72	5.292	5.292	-----	89.34	-----	5.311
17.43	3.620	94.72	5.229	5.229	-----	89.34	-----	5.247
17.47	3.593	94.71	5.167	5.167	-----	89.33	-----	5.185
17.50	3.566	94.70	5.107	5.107	-----	89.33	-----	5.124
17.53	3.539	94.69	5.048	5.048	-----	89.33	-----	5.066
17.57	3.513	94.69	4.992	4.992	-----	89.32	-----	5.009
17.60	3.486	94.68	4.937	4.937	-----	89.32	-----	4.953
17.63	3.460	94.68	4.884	4.884	-----	89.32	-----	4.900
17.67	3.433	94.67	4.832	4.832	-----	89.32	-----	4.847
17.70	3.407	94.66	4.781	4.781	-----	89.31	-----	4.796
17.73	3.381	94.66	4.731	4.731	-----	89.31	-----	4.745
17.77	3.355	94.65	4.681	4.681	-----	89.31	-----	4.696
17.80	3.328	94.64	4.632	4.632	-----	89.31	-----	4.647
17.83	3.302	94.64	4.585	4.585	-----	89.30	-----	4.599
17.87	3.276	94.63	4.538	4.538	-----	89.30	-----	4.551
17.90	3.249	94.63	4.491	4.491	-----	89.30	-----	4.507
17.93	3.223	94.62	4.446	4.446	-----	89.30	-----	4.462
17.97	3.196	94.62	4.401	4.401	-----	89.29	-----	4.417
18.00	3.170	94.61	4.357	4.357	-----	89.29	-----	4.372
18.03	3.144	94.61	4.313	4.313	-----	89.29	-----	4.329
18.07	3.117	94.60	4.271	4.271	-----	89.28	-----	4.286
18.10	3.091	94.59	4.230	4.230	-----	89.28	-----	4.245
18.13	3.065	94.59	4.190	4.190	-----	89.28	-----	4.204
18.17	3.040	94.58	4.151	4.151	-----	89.28	-----	4.165
18.20	3.015	94.58	4.113	4.113	-----	89.27	-----	4.126
18.23	2.991	94.57	4.075	4.075	-----	89.27	-----	4.088
18.27	2.967	94.57	4.037	4.037	-----	89.27	-----	4.051
18.30	2.944	94.56	4.000	4.000	-----	89.27	-----	4.013
18.33	2.922	94.56	3.964	3.964	-----	89.26	-----	3.977
18.37	2.900	94.56	3.928	3.928	-----	89.26	-----	3.941
18.40	2.880	94.55	3.893	3.893	-----	89.26	-----	3.905
18.43	2.860	94.55	3.858	3.858	-----	89.26	-----	3.870
18.47	2.841	94.54	3.823	3.823	-----	89.26	-----	3.835
18.50	2.822	94.54	3.789	3.789	-----	89.25	-----	3.801
18.53	2.805	94.53	3.756	3.756	-----	89.25	-----	3.768
18.57	2.788	94.53	3.723	3.723	-----	89.25	-----	3.735
18.60	2.771	94.52	3.691	3.691	-----	89.25	-----	3.703
18.63	2.755	94.52	3.660	3.660	-----	89.25	-----	3.671
18.67	2.740	94.52	3.628	3.628	-----	89.24	-----	3.639
18.70	2.726	94.51	3.598	3.598	-----	89.24	-----	3.609
18.73	2.712	94.51	3.568	3.568	-----	89.24	-----	3.578
18.77	2.698	94.50	3.538	3.538	-----	89.24	-----	3.549
18.80	2.685	94.50	3.510	3.510	-----	89.24	-----	3.520

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------| Outflow cfs
18.83	2.673	94.50	3.482	3.482	-----	89.23	-----	3.492
18.87	2.660	94.49	3.456	3.456	-----	89.23	-----	3.465
18.90	2.649	94.49	3.430	3.430	-----	89.23	-----	3.439
18.93	2.637	94.49	3.405	3.405	-----	89.23	-----	3.414
18.97	2.626	94.48	3.380	3.380	-----	89.23	-----	3.389
19.00	2.616	94.48	3.356	3.356	-----	89.23	-----	3.365
19.03	2.605	94.48	3.332	3.332	-----	89.22	-----	3.341
19.07	2.595	94.47	3.309	3.309	-----	89.22	-----	3.317
19.10	2.585	94.47	3.286	3.286	-----	89.22	-----	3.294
19.13	2.576	94.47	3.264	3.264	-----	89.22	-----	3.272
19.17	2.566	94.46	3.242	3.242	-----	89.22	-----	3.249
19.20	2.557	94.46	3.220	3.220	-----	89.22	-----	3.228
19.23	2.548	94.46	3.199	3.199	-----	89.22	-----	3.206
19.27	2.539	94.46	3.178	3.178	-----	89.21	-----	3.185
19.30	2.530	94.45	3.157	3.157	-----	89.21	-----	3.164
19.33	2.521	94.45	3.137	3.137	-----	89.21	-----	3.144
19.37	2.513	94.45	3.117	3.117	-----	89.21	-----	3.124
19.40	2.504	94.44	3.098	3.098	-----	89.21	-----	3.105
19.43	2.496	94.44	3.079	3.079	-----	89.21	-----	3.086
19.47	2.487	94.44	3.060	3.060	-----	89.21	-----	3.067
19.50	2.479	94.44	3.042	3.042	-----	89.21	-----	3.048
19.53	2.471	94.43	3.024	3.024	-----	89.20	-----	3.030
19.57	2.463	94.43	3.006	3.006	-----	89.20	-----	3.012
19.60	2.455	94.43	2.989	2.989	-----	89.20	-----	2.995
19.63	2.447	94.43	2.971	2.971	-----	89.20	-----	2.977
19.67	2.439	94.42	2.955	2.955	-----	89.20	-----	2.961
19.70	2.431	94.42	2.938	2.938	-----	89.20	-----	2.945
19.73	2.423	94.42	2.922	2.922	-----	89.20	-----	2.929
19.77	2.415	94.42	2.906	2.906	-----	89.20	-----	2.913
19.80	2.407	94.41	2.890	2.890	-----	89.20	-----	2.897
19.83	2.400	94.41	2.874	2.874	-----	89.19	-----	2.881
19.87	2.392	94.41	2.859	2.859	-----	89.19	-----	2.866
19.90	2.384	94.41	2.844	2.844	-----	89.19	-----	2.851
19.93	2.376	94.41	2.829	2.829	-----	89.19	-----	2.836
19.97	2.368	94.40	2.815	2.815	-----	89.19	-----	2.821
20.00	2.360	94.40	2.801	2.801	-----	89.19	-----	2.807
20.03	2.353	94.40	2.787	2.787	-----	89.19	-----	2.793
20.07	2.345	94.40	2.773	2.773	-----	89.19	-----	2.779
20.10	2.337	94.40	2.760	2.760	-----	89.18	-----	2.766
20.13	2.329	94.39	2.747	2.747	-----	89.18	-----	2.753
20.17	2.321	94.39	2.735	2.735	-----	89.18	-----	2.741
20.20	2.313	94.39	2.723	2.723	-----	89.18	-----	2.728
20.23	2.305	94.39	2.711	2.711	-----	89.18	-----	2.716
20.27	2.297	94.39	2.699	2.699	-----	89.18	-----	2.704
20.30	2.290	94.39	2.687	2.687	-----	89.18	-----	2.692
20.33	2.282	94.38	2.675	2.675	-----	89.18	-----	2.680
20.37	2.274	94.38	2.663	2.663	-----	89.18	-----	2.669
20.40	2.266	94.38	2.652	2.652	-----	89.18	-----	2.657
20.43	2.258	94.38	2.640	2.640	-----	89.17	-----	2.645
20.47	2.250	94.38	2.629	2.629	-----	89.17	-----	2.634
20.50	2.242	94.37	2.618	2.618	-----	89.17	-----	2.623
20.53	2.234	94.37	2.606	2.606	-----	89.17	-----	2.612
20.57	2.226	94.37	2.595	2.595	-----	89.17	-----	2.600
20.60	2.218	94.37	2.584	2.584	-----	89.17	-----	2.589
20.63	2.210	94.37	2.574	2.574	-----	89.17	-----	2.578

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
20.67	2.202	94.37	2.563	2.563	-----	89.17	-----	2.568
20.70	2.194	94.36	2.552	2.552	-----	89.17	-----	2.557
20.73	2.186	94.36	2.541	2.541	-----	89.17	-----	2.546
20.77	2.178	94.36	2.531	2.531	-----	89.17	-----	2.536
20.80	2.170	94.36	2.520	2.520	-----	89.17	-----	2.525
20.83	2.162	94.36	2.510	2.510	-----	89.16	-----	2.515
20.87	2.154	94.36	2.500	2.500	-----	89.16	-----	2.504
20.90	2.146	94.36	2.489	2.489	-----	89.16	-----	2.494
20.93	2.138	94.35	2.479	2.479	-----	89.16	-----	2.484
20.97	2.130	94.35	2.469	2.469	-----	89.16	-----	2.474
21.00	2.122	94.35	2.459	2.459	-----	89.16	-----	2.464
21.03	2.114	94.35	2.449	2.449	-----	89.16	-----	2.453
21.07	2.106	94.35	2.439	2.439	-----	89.16	-----	2.443
21.10	2.098	94.35	2.429	2.429	-----	89.16	-----	2.434
21.13	2.090	94.34	2.419	2.419	-----	89.16	-----	2.424
21.17	2.082	94.34	2.409	2.409	-----	89.16	-----	2.414
21.20	2.074	94.34	2.400	2.400	-----	89.16	-----	2.404
21.23	2.065	94.34	2.390	2.390	-----	89.15	-----	2.394
21.27	2.057	94.34	2.380	2.380	-----	89.15	-----	2.385
21.30	2.049	94.34	2.371	2.371	-----	89.15	-----	2.375
21.33	2.041	94.34	2.361	2.361	-----	89.15	-----	2.365
21.37	2.033	94.33	2.352	2.352	-----	89.15	-----	2.356
21.40	2.025	94.33	2.342	2.342	-----	89.15	-----	2.346
21.43	2.017	94.33	2.333	2.333	-----	89.15	-----	2.337
21.47	2.009	94.33	2.323	2.323	-----	89.15	-----	2.328
21.50	2.000	94.33	2.314	2.314	-----	89.15	-----	2.318
21.53	1.992	94.33	2.305	2.305	-----	89.15	-----	2.309
21.57	1.984	94.33	2.295	2.295	-----	89.15	-----	2.300
21.60	1.976	94.32	2.286	2.286	-----	89.15	-----	2.290
21.63	1.968	94.32	2.277	2.277	-----	89.15	-----	2.281
21.67	1.960	94.32	2.268	2.268	-----	89.14	-----	2.272
21.70	1.952	94.32	2.258	2.258	-----	89.14	-----	2.263
21.73	1.943	94.32	2.249	2.249	-----	89.14	-----	2.253
21.77	1.935	94.32	2.240	2.240	-----	89.14	-----	2.244
21.80	1.927	94.32	2.231	2.231	-----	89.14	-----	2.235
21.83	1.919	94.31	2.222	2.222	-----	89.14	-----	2.226
21.87	1.911	94.31	2.213	2.213	-----	89.14	-----	2.217
21.90	1.902	94.31	2.204	2.204	-----	89.14	-----	2.208
21.93	1.894	94.31	2.195	2.195	-----	89.14	-----	2.199
21.97	1.886	94.31	2.186	2.186	-----	89.14	-----	2.190
22.00	1.878	94.31	2.177	2.177	-----	89.14	-----	2.181
22.03	1.889	94.31	2.169	2.169	-----	89.14	-----	2.173
22.07	1.901	94.31	2.161	2.161	-----	89.14	-----	2.165
22.10	1.914	94.30	2.154	2.154	-----	89.14	-----	2.157
22.13	1.927	94.30	2.147	2.147	-----	89.13	-----	2.150
22.17	1.941	94.30	2.141	2.141	-----	89.13	-----	2.143
22.20	1.956	94.30	2.135	2.135	-----	89.13	-----	2.137
22.23	1.971	94.30	2.130	2.130	-----	89.13	-----	2.132
22.27	1.987	94.30	2.125	2.125	-----	89.13	-----	2.127
22.30	1.986	94.30	2.121	2.121	-----	89.13	-----	2.123
22.33	1.986	94.30	2.118	2.118	-----	89.13	-----	2.119
22.37	1.985	94.30	2.114	2.114	-----	89.13	-----	2.116
22.40	1.985	94.30	2.110	2.110	-----	89.13	-----	2.112
22.43	1.980	94.30	2.107	2.107	-----	89.13	-----	2.109
22.47	1.972	94.30	2.103	2.103	-----	89.13	-----	2.105

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
22.50	1.965	94.30	2.100	2.100	-----	89.13	-----	2.101
22.53	1.957	94.30	2.096	2.096	-----	89.13	-----	2.098
22.57	1.949	94.29	2.092	2.092	-----	89.13	-----	2.094
22.60	1.940	94.29	2.088	2.088	-----	89.13	-----	2.090
22.63	1.932	94.29	2.084	2.084	-----	89.13	-----	2.086
22.67	1.924	94.29	2.080	2.080	-----	89.13	-----	2.082
22.70	1.915	94.29	2.076	2.076	-----	89.13	-----	2.078
22.73	1.907	94.29	2.071	2.071	-----	89.13	-----	2.073
22.77	1.898	94.29	2.067	2.067	-----	89.13	-----	2.069
22.80	1.889	94.29	2.062	2.062	-----	89.13	-----	2.064
22.83	1.880	94.29	2.058	2.058	-----	89.13	-----	2.060
22.87	1.871	94.29	2.053	2.053	-----	89.13	-----	2.055
22.90	1.861	94.29	2.048	2.048	-----	89.13	-----	2.050
22.93	1.852	94.29	2.043	2.043	-----	89.13	-----	2.045
22.97	1.842	94.29	2.037	2.037	-----	89.13	-----	2.040
23.00	1.833	94.28	2.032	2.032	-----	89.13	-----	2.034
23.03	1.823	94.28	2.027	2.027	-----	89.13	-----	2.029
23.07	1.813	94.28	2.021	2.021	-----	89.12	-----	2.024
23.10	1.803	94.28	2.015	2.015	-----	89.12	-----	2.018
23.13	1.792	94.28	2.009	2.009	-----	89.12	-----	2.012
23.17	1.782	94.28	2.004	2.004	-----	89.12	-----	2.006
23.20	1.771	94.28	1.998	1.998	-----	89.12	-----	2.000
23.23	1.764	94.28	1.991	1.991	-----	89.12	-----	1.994
23.27	1.757	94.28	1.985	1.985	-----	89.12	-----	1.988
23.30	1.750	94.28	1.979	1.979	-----	89.12	-----	1.982
23.33	1.743	94.27	1.973	1.973	-----	89.12	-----	1.976
23.37	1.736	94.27	1.967	1.967	-----	89.12	-----	1.969
23.40	1.729	94.27	1.960	1.960	-----	89.12	-----	1.963
23.43	1.721	94.27	1.954	1.954	-----	89.12	-----	1.957
23.47	1.714	94.27	1.948	1.948	-----	89.12	-----	1.951
23.50	1.707	94.27	1.942	1.942	-----	89.12	-----	1.944
23.53	1.699	94.27	1.935	1.935	-----	89.12	-----	1.938
23.57	1.692	94.27	1.929	1.929	-----	89.12	-----	1.932
23.60	1.684	94.27	1.922	1.922	-----	89.12	-----	1.925
23.63	1.677	94.26	1.916	1.916	-----	89.12	-----	1.919
23.67	1.669	94.26	1.909	1.909	-----	89.12	-----	1.912
23.70	1.662	94.26	1.903	1.903	-----	89.12	-----	1.906
23.73	1.654	94.26	1.896	1.896	-----	89.11	-----	1.899
23.77	1.646	94.26	1.890	1.890	-----	89.11	-----	1.893
23.80	1.639	94.26	1.883	1.883	-----	89.11	-----	1.886
23.83	1.632	94.26	1.877	1.877	-----	89.11	-----	1.880
23.87	1.625	94.26	1.870	1.870	-----	89.11	-----	1.873
23.90	1.618	94.26	1.863	1.863	-----	89.11	-----	1.866
23.93	1.611	94.25	1.857	1.857	-----	89.11	-----	1.860
23.97	1.605	94.25	1.850	1.850	-----	89.11	-----	1.853
24.00	1.598	94.25	1.843	1.843	-----	89.11	-----	1.846
24.03	1.585	94.25	1.837	1.837	-----	89.11	-----	1.840
24.07	1.564	94.25	1.829	1.829	-----	89.11	-----	1.833
24.10	1.536	94.25	1.822	1.822	-----	89.11	-----	1.825
24.13	1.501	94.25	1.813	1.813	-----	89.11	-----	1.817
24.17	1.460	94.25	1.804	1.804	-----	89.11	-----	1.808
24.20	1.411	94.24	1.794	1.794	-----	89.11	-----	1.799
24.23	1.354	94.24	1.783	1.783	-----	89.11	-----	1.788
24.27	1.291	94.24	1.771	1.771	-----	89.10	-----	1.776
24.30	1.228	94.24	1.757	1.757	-----	89.10	-----	1.763

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------->| Outflow cfs
24.33	1.164	94.23	1.742	1.742	-----	89.10	-----	1.749
24.37	1.099	94.23	1.726	1.726	-----	89.10	-----	1.733
24.40	1.034	94.23	1.708	1.708	-----	89.10	-----	1.716
24.43	0.970	94.23	1.690	1.690	-----	89.10	-----	1.700
24.47	0.909	94.22	1.670	1.670	-----	89.10	-----	1.682
24.50	0.850	94.22	1.649	1.649	-----	89.09	-----	1.661
24.53	0.793	94.21	1.627	1.627	-----	89.09	-----	1.640
24.57	0.738	94.21	1.604	1.604	-----	89.09	-----	1.618
24.60	0.686	94.21	1.580	1.580	-----	89.09	-----	1.594
24.63	0.636	94.20	1.556	1.556	-----	89.08	-----	1.571
24.67	0.588	94.20	1.532	1.532	-----	89.08	-----	1.547
24.70	0.542	94.19	1.508	1.508	-----	89.08	-----	1.523
24.73	0.499	94.19	1.484	1.484	-----	89.08	-----	1.499
24.77	0.458	94.18	1.461	1.461	-----	89.07	-----	1.475
24.80	0.419	94.18	1.436	1.436	-----	89.07	-----	1.451
24.83	0.382	94.18	1.412	1.412	-----	89.07	-----	1.427
24.87	0.347	94.17	1.387	1.387	-----	89.07	-----	1.402
24.90	0.315	94.17	1.362	1.362	-----	89.06	-----	1.378
24.93	0.285	94.16	1.337	1.337	-----	89.06	-----	1.353
24.97	0.257	94.16	1.312	1.312	-----	89.06	-----	1.328
25.00	0.231	94.15	1.287	1.287	-----	89.06	-----	1.302
25.03	0.208	94.15	1.262	1.262	-----	89.05	-----	1.277
25.07	0.186	94.14	1.237	1.237	-----	89.05	-----	1.252
25.10	0.167	94.14	1.212	1.212	-----	89.05	-----	1.227
25.13	0.150	94.13	1.187	1.187	-----	89.04	-----	1.202
25.17	0.135	94.13	1.162	1.162	-----	89.04	-----	1.177
25.20	0.122	94.12	1.138	1.138	-----	89.04	-----	1.153
25.23	0.109	94.12	1.114	1.114	-----	89.04	-----	1.129
25.27	0.098	94.11	1.090	1.090	-----	89.03	-----	1.105
25.30	0.087	94.11	1.066	1.066	-----	89.03	-----	1.081
25.33	0.077	94.10	1.044	1.044	-----	89.03	-----	1.058
25.37	0.067	94.10	1.021	1.021	-----	89.03	-----	1.035
25.40	0.058	94.10	1.000	1.000	-----	89.02	-----	1.013
25.43	0.050	94.09	0.980	0.980	-----	89.02	-----	0.993
25.47	0.042	94.09	0.961	0.961	-----	89.02	-----	0.973
25.50	0.035	94.08	0.943	0.943	-----	89.02	-----	0.954
25.53	0.029	94.08	0.924	0.924	-----	89.02	-----	0.936
25.57	0.024	94.08	0.906	0.906	-----	89.01	-----	0.917
25.60	0.019	94.07	0.889	0.889	-----	89.01	-----	0.899
25.63	0.014	94.07	0.871	0.871	-----	89.01	-----	0.882
25.67	0.011	94.06	0.854	0.854	-----	89.01	-----	0.864
25.70	0.008	94.06	0.837	0.837	-----	89.01	-----	0.847
25.73	0.005	94.06	0.820	0.820	-----	89.00	-----	0.830
25.77	0.003	94.05	0.804	0.804	-----	89.00	-----	0.814
25.80	0.002	94.05	0.788	0.788	-----	89.00	-----	0.798
25.83	0.001	94.05	0.772	0.772	-----	89.00	-----	0.775
25.87	0.001	94.04	0.756	0.756	-----	89.00	-----	0.760
25.90	0.000	94.04	0.741	0.741	-----	88.99	-----	0.744
25.93	0.000	94.04	0.726	0.726	-----	88.99	-----	0.729
25.97	0.000	94.03	0.712	0.712	-----	88.99	-----	0.715
26.00	0.000	94.03	0.697	0.697	-----	88.99	-----	0.700
26.03	0.000	94.03	0.683	0.683	-----	88.98	-----	0.686
26.07	0.000	94.02	0.670	0.670	-----	88.98	-----	0.672
26.10	0.000	94.02	0.656	0.656	-----	88.98	-----	0.659
26.13	0.000	94.02	0.643	0.643	-----	88.98	-----	0.646

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EXIST ROUTED FLOW

Hydrograph Discharge Table

	|<-----	Upper Pond	-----\>|	|<---------	Lower Pond			---------\>|
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
26.17	0.000	94.01	0.630	0.630	-----	88.98	-----	0.633
26.20	0.000	94.01	0.618	0.618	-----	88.98	-----	0.620
26.23	0.000	94.01	0.605	0.605	-----	88.97	-----	0.608
26.27	0.000	94.01	0.593	0.593	-----	88.97	-----	0.595
26.30	0.000	94.00	0.578	0.578	-----	88.97	-----	0.581
26.33	0.000	94.00	0.552	0.552	-----	88.97	-----	0.558
26.37	0.000	93.99	0.518	0.518	-----	88.96	-----	0.526
26.40	0.000	93.97	0.477	0.477	-----	88.95	-----	0.487
26.43	0.000	93.96	0.430	0.430	-----	88.95	-----	0.442
26.47	0.000	93.94	0.381	0.381	-----	88.94	-----	0.393
26.50	0.000	93.93	0.340	0.340	-----	88.93	-----	0.351
26.53	0.000	93.92	0.304	0.304	-----	88.92	-----	0.314
26.57	0.000	93.91	0.273	0.273	-----	88.91	-----	0.282
26.60	0.000	93.91	0.246	0.246	-----	88.91	-----	0.255
26.63	0.000	93.90	0.223	0.223	-----	88.90	-----	0.230

...End

Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	28.57	2	746	189,559	----	------	------	AREA #2
2	SCS Runoff	19.83	2	756	165,908	----	------	------	AREA #5
3	SCS Runoff	8.316	2	764	83,995	----	------	------	AREA #3
4	SCS Runoff	6.357	2	750	46,799	----	------	------	AREA #6
5	Combine	61.71	2	750	486,262	1, 2, 3, 4	------	------	TOAL EX- FLOW TO DITCH
6	Reservoir(i)	32.00	2	794	486,260	5	96.90	137,802	EXIST ROUTED FLOW

Hydrograph Report

Hyd. No. 1

AREA #2

Hydrograph type	= SCS Runoff	Peak discharge	= 28.57 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.43 hrs
Time interval	= 2 min	Hyd. volume	= 299,806 cuft
Drainage area	= 17.170 ac	Curve number	= 71*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.9 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(11.550 x 70) + (2.588 x 55) + (0.310 x 77) + (0.010 x 70) + (1.260 x 85) + (1.450 x 98)] / 17.170

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
9.70	0.293	10.97	1.417	12.23	24.89	13.50	6.258
9.73	0.311	11.00	1.464	12.27	26.31	13.53	6.086
9.77	0.330	11.03	1.511	12.30	27.28	13.57	5.939
9.80	0.349	11.07	1.560	12.33	27.89	13.60	5.810
9.83	0.369	11.10	1.611	12.37	28.28	13.63	5.697
9.87	0.389	11.13	1.665	12.40	28.51	13.67	5.596
9.90	0.409	11.17	1.723	12.43	28.57 <<	13.70	5.501
9.93	0.430	11.20	1.784	12.47	28.47	13.73	5.410
9.97	0.451	11.23	1.849	12.50	28.21	13.77	5.324
10.00	0.472	11.27	1.920	12.53	27.80	13.80	5.242
10.03	0.494	11.30	1.996	12.57	27.25	13.83	5.164
10.07	0.516	11.33	2.077	12.60	26.58	13.87	5.089
10.10	0.539	11.37	2.164	12.63	25.82	13.90	5.017
10.13	0.562	11.40	2.257	12.67	24.97	13.93	4.948
10.17	0.586	11.43	2.355	12.70	24.05	13.97	4.881
10.20	0.610	11.47	2.459	12.73	23.09	14.00	4.816
10.23	0.635	11.50	2.569	12.77	22.10	14.03	4.753
10.27	0.661	11.53	2.688	12.80	21.09	14.07	4.692
10.30	0.688	11.57	2.824	12.83	20.08	14.10	4.632
10.33	0.716	11.60	2.985	12.87	19.06	14.13	4.574
10.37	0.744	11.63	3.179	12.90	18.03	14.17	4.517
10.40	0.774	11.67	3.415	12.93	17.01	14.20	4.461
10.43	0.804	11.70	3.704	12.97	15.98	14.23	4.407
10.47	0.836	11.73	4.055	13.00	14.97	14.27	4.354
10.50	0.868	11.77	4.480	13.03	13.96	14.30	4.303
10.53	0.901	11.80	4.987	13.07	12.98	14.33	4.254
10.57	0.935	11.83	5.578	13.10	12.02	14.37	4.206
10.60	0.970	11.87	6.256	13.13	11.11	14.40	4.159
10.63	1.006	11.90	7.025	13.17	10.27	14.43	4.114
10.67	1.043	11.93	7.931	13.20	9.546	14.47	4.071
10.70	1.080	11.97	9.069	13.23	8.943	14.50	4.028
10.73	1.119	12.00	10.55	13.27	8.435	14.53	3.987
10.77	1.159	12.03	12.37	13.30	7.995	14.57	3.947
10.80	1.200	12.07	14.42	13.33	7.603	14.60	3.909
10.83	1.241	12.10	16.58	13.37	7.256	14.63	3.871
10.87	1.284	12.13	18.77	13.40	6.952	14.67	3.834
10.90	1.327	12.17	20.95	13.43	6.687	14.70	3.798
10.93	1.372	12.20	23.04	13.47	6.457	14.73	3.763

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AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
14.77	3.729	16.60	2.151	18.43	1.398	20.27	1.139
14.80	3.696	16.63	2.133	18.47	1.390	20.30	1.135
14.83	3.663	16.67	2.115	18.50	1.381	20.33	1.130
14.87	3.631	16.70	2.098	18.53	1.374	20.37	1.126
14.90	3.600	16.73	2.081	18.57	1.366	20.40	1.122
14.93	3.569	16.77	2.065	18.60	1.359	20.43	1.118
14.97	3.538	16.80	2.049	18.63	1.352	20.47	1.114
15.00	3.508	16.83	2.033	18.67	1.346	20.50	1.110
15.03	3.478	16.87	2.018	18.70	1.339	20.53	1.106
15.07	3.448	16.90	2.003	18.73	1.333	20.57	1.102
15.10	3.419	16.93	1.989	18.77	1.328	20.60	1.097
15.13	3.389	16.97	1.975	18.80	1.322	20.63	1.093
15.17	3.360	17.00	1.961	18.83	1.317	20.67	1.089
15.20	3.331	17.03	1.947	18.87	1.312	20.70	1.085
15.23	3.301	17.07	1.933	18.90	1.307	20.73	1.081
15.27	3.272	17.10	1.919	18.93	1.303	20.77	1.077
15.30	3.242	17.13	1.906	18.97	1.298	20.80	1.073
15.33	3.212	17.17	1.892	19.00	1.294	20.83	1.069
15.37	3.183	17.20	1.879	19.03	1.290	20.87	1.064
15.40	3.153	17.23	1.865	19.07	1.285	20.90	1.060
15.43	3.123	17.27	1.852	19.10	1.281	20.93	1.056
15.47	3.093	17.30	1.838	19.13	1.277	20.97	1.052
15.50	3.063	17.33	1.825	19.17	1.273	21.00	1.048
15.53	3.033	17.37	1.811	19.20	1.269	21.03	1.044
15.57	3.003	17.40	1.798	19.23	1.265	21.07	1.039
15.60	2.973	17.43	1.784	19.27	1.261	21.10	1.035
15.63	2.943	17.47	1.771	19.30	1.257	21.13	1.031
15.67	2.913	17.50	1.757	19.33	1.253	21.17	1.027
15.70	2.883	17.53	1.744	19.37	1.249	21.20	1.023
15.73	2.852	17.57	1.730	19.40	1.245	21.23	1.019
15.77	2.822	17.60	1.716	19.43	1.241	21.27	1.015
15.80	2.792	17.63	1.703	19.47	1.237	21.30	1.010
15.83	2.761	17.67	1.689	19.50	1.233	21.33	1.006
15.87	2.731	17.70	1.675	19.53	1.229	21.37	1.002
15.90	2.700	17.73	1.662	19.57	1.225	21.40	0.998
15.93	2.670	17.77	1.648	19.60	1.220	21.43	0.994
15.97	2.639	17.80	1.634	19.63	1.216	21.47	0.989
16.00	2.608	17.83	1.621	19.67	1.212	21.50	0.985
16.03	2.578	17.87	1.607	19.70	1.208	21.53	0.981
16.07	2.547	17.90	1.593	19.73	1.204	21.57	0.977
16.10	2.517	17.93	1.580	19.77	1.200	21.60	0.973
16.13	2.487	17.97	1.566	19.80	1.196	21.63	0.969
16.17	2.458	18.00	1.552	19.83	1.192	21.67	0.964
16.20	2.429	18.03	1.538	19.87	1.188	21.70	0.960
16.23	2.401	18.07	1.525	19.90	1.184	21.73	0.956
16.27	2.374	18.10	1.511	19.93	1.180	21.77	0.952
16.30	2.348	18.13	1.498	19.97	1.176	21.80	0.948
16.33	2.323	18.17	1.485	20.00	1.171	21.83	0.943
16.37	2.299	18.20	1.473	20.03	1.167	21.87	0.939
16.40	2.276	18.23	1.461	20.07	1.163	21.90	0.935
16.43	2.253	18.27	1.449	20.10	1.159	21.93	0.931
16.47	2.231	18.30	1.438	20.13	1.155	21.97	0.927
16.50	2.210	18.33	1.427	20.17	1.151	22.00	0.922
16.53	2.190	18.37	1.417	20.20	1.147	22.03	0.932
16.57	2.170	18.40	1.408	20.23	1.143	22.07	0.942

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AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
22.10	0.953	23.93	0.789
22.13	0.964	23.97	0.786
22.17	0.976	24.00	0.783
22.20	0.988	24.03	0.775
22.23	1.001	24.07	0.761
22.27	1.014	24.10	0.743
22.30	1.009	24.13	0.719
22.33	1.005	24.17	0.691
22.37	1.001	24.20	0.657
22.40	0.996	24.23	0.619
22.43	0.991	24.27	0.575
22.47	0.987	24.30	0.533
22.50	0.982	24.33	0.493
22.53	0.977	24.37	0.455
22.57	0.972	24.40	0.418
22.60	0.967	24.43	0.382
22.63	0.962	24.47	0.349
22.67	0.957	24.50	0.317
22.70	0.952	24.53	0.286
22.73	0.946		
22.77	0.941	*...End*	
22.80	0.935		
22.83	0.929		
22.87	0.924		
22.90	0.918		
22.93	0.912		
22.97	0.905		
23.00	0.899		
23.03	0.893		
23.07	0.886		
23.10	0.880		
23.13	0.873		
23.17	0.866		
23.20	0.859		
23.23	0.856		
23.27	0.853		
23.30	0.850		
23.33	0.846		
23.37	0.843		
23.40	0.840		
23.43	0.837		
23.47	0.834		
23.50	0.831		
23.53	0.827		
23.57	0.824		
23.60	0.821		
23.63	0.818		
23.67	0.815		
23.70	0.812		
23.73	0.808		
23.77	0.805		
23.80	0.802		
23.83	0.799		
23.87	0.796		
23.90	0.793		

Hydrograph Report

Hyd. No. 2

AREA #5

Hydrograph type	= SCS Runoff	Peak discharge	= 19.83 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.60 hrs
Time interval	= 2 min	Hyd. volume	= 255,275 cuft
Drainage area	= 13.320 ac	Curve number	= 75*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 38.0 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.167 x 70) + (1.286 x 55) + (2.250 x 77) + (0.070 x 70) + (2.547 x 98)] / 13.320

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
9.20	0.207	10.47	0.858	11.73	3.010	13.00	16.42
9.23	0.218	10.50	0.883	11.77	3.230	13.03	16.01
9.27	0.230	10.53	0.910	11.80	3.486	13.07	15.58
9.30	0.242	10.57	0.937	11.83	3.784	13.10	15.15
9.33	0.254	10.60	0.964	11.87	4.129	13.13	14.71
9.37	0.267	10.63	0.993	11.90	4.526	13.17	14.26
9.40	0.280	10.67	1.022	11.93	4.996	13.20	13.81
9.43	0.293	10.70	1.052	11.97	5.577	13.23	13.35
9.47	0.307	10.73	1.082	12.00	6.309	13.27	12.89
9.50	0.320	10.77	1.113	12.03	7.195	13.30	12.42
9.53	0.335	10.80	1.145	12.07	8.192	13.33	11.94
9.57	0.349	10.83	1.178	12.10	9.252	13.37	11.47
9.60	0.364	10.87	1.211	12.13	10.34	13.40	11.00
9.63	0.379	10.90	1.246	12.17	11.46	13.43	10.53
9.67	0.394	10.93	1.280	12.20	12.58	13.47	10.06
9.70	0.409	10.97	1.316	12.23	13.70	13.50	9.593
9.73	0.425	11.00	1.352	12.27	14.81	13.53	9.135
9.77	0.441	11.03	1.390	12.30	15.89	13.57	8.684
9.80	0.458	11.07	1.428	12.33	16.91	13.60	8.242
9.83	0.474	11.10	1.468	12.37	17.81	13.63	7.811
9.87	0.491	11.13	1.509	12.40	18.52	13.67	7.391
9.90	0.508	11.17	1.552	12.43	19.02	13.70	6.986
9.93	0.526	11.20	1.596	12.47	19.37	13.73	6.601
9.97	0.543	11.23	1.644	12.50	19.61	13.77	6.249
10.00	0.562	11.27	1.694	12.53	19.76	13.80	5.943
10.03	0.580	11.30	1.746	12.57	19.83	13.83	5.685
10.07	0.598	11.33	1.802	12.60	19.83 <<	13.87	5.464
10.10	0.617	11.37	1.861	12.63	19.77	13.90	5.269
10.13	0.637	11.40	1.924	12.67	19.64	13.93	5.092
10.17	0.657	11.43	1.991	12.70	19.46	13.97	4.933
10.20	0.677	11.47	2.062	12.73	19.23	14.00	4.790
10.23	0.697	11.50	2.137	12.77	18.96	14.03	4.662
10.27	0.718	11.53	2.218	12.80	18.66	14.07	4.547
10.30	0.740	11.57	2.307	12.83	18.32	14.10	4.444
10.33	0.762	11.60	2.408	12.87	17.97	14.13	4.352
10.37	0.785	11.63	2.526	12.90	17.60	14.17	4.269
10.40	0.809	11.67	2.662	12.93	17.22	14.20	4.194
10.43	0.833	11.70	2.822	12.97	16.82	14.23	4.125

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AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
14.27	4.061	16.10	2.267	17.93	1.384	19.77	1.011
14.30	4.000	16.13	2.241	17.97	1.373	19.80	1.007
14.33	3.941	16.17	2.217	18.00	1.361	19.83	1.004
14.37	3.886	16.20	2.192	18.03	1.350	19.87	1.001
14.40	3.832	16.23	2.167	18.07	1.339	19.90	0.997
14.43	3.781	16.27	2.143	18.10	1.327	19.93	0.994
14.47	3.732	16.30	2.120	18.13	1.316	19.97	0.990
14.50	3.686	16.33	2.096	18.17	1.305	20.00	0.987
14.53	3.641	16.37	2.073	18.20	1.294	20.03	0.984
14.57	3.598	16.40	2.051	18.23	1.283	20.07	0.980
14.60	3.556	16.43	2.029	18.27	1.273	20.10	0.977
14.63	3.517	16.47	2.008	18.30	1.263	20.13	0.974
14.67	3.478	16.50	1.987	18.33	1.252	20.17	0.970
14.70	3.441	16.53	1.967	18.37	1.243	20.20	0.967
14.73	3.404	16.57	1.947	18.40	1.233	20.23	0.963
14.77	3.369	16.60	1.928	18.43	1.224	20.27	0.960
14.80	3.334	16.63	1.909	18.47	1.215	20.30	0.957
14.83	3.300	16.67	1.890	18.50	1.206	20.33	0.953
14.87	3.267	16.70	1.872	18.53	1.197	20.37	0.950
14.90	3.234	16.73	1.854	18.57	1.189	20.40	0.946
14.93	3.202	16.77	1.837	18.60	1.181	20.43	0.943
14.97	3.170	16.80	1.820	18.63	1.174	20.47	0.940
15.00	3.139	16.83	1.804	18.67	1.166	20.50	0.936
15.03	3.109	16.87	1.787	18.70	1.159	20.53	0.933
15.07	3.078	16.90	1.772	18.73	1.152	20.57	0.929
15.10	3.049	16.93	1.756	18.77	1.145	20.60	0.926
15.13	3.020	16.97	1.741	18.80	1.139	20.63	0.923
15.17	2.991	17.00	1.726	18.83	1.132	20.67	0.919
15.20	2.962	17.03	1.712	18.87	1.126	20.70	0.916
15.23	2.934	17.07	1.697	18.90	1.120	20.73	0.912
15.27	2.907	17.10	1.683	18.93	1.114	20.77	0.909
15.30	2.880	17.13	1.670	18.97	1.109	20.80	0.905
15.33	2.853	17.17	1.656	19.00	1.103	20.83	0.902
15.37	2.826	17.20	1.643	19.03	1.098	20.87	0.899
15.40	2.799	17.23	1.630	19.07	1.093	20.90	0.895
15.43	2.773	17.27	1.617	19.10	1.088	20.93	0.892
15.47	2.747	17.30	1.604	19.13	1.083	20.97	0.888
15.50	2.721	17.33	1.592	19.17	1.079	21.00	0.885
15.53	2.696	17.37	1.579	19.20	1.074	21.03	0.882
15.57	2.670	17.40	1.567	19.23	1.070	21.07	0.878
15.60	2.645	17.43	1.555	19.27	1.066	21.10	0.875
15.63	2.620	17.47	1.543	19.30	1.062	21.13	0.871
15.67	2.595	17.50	1.532	19.33	1.057	21.17	0.868
15.70	2.569	17.53	1.520	19.37	1.054	21.20	0.864
15.73	2.544	17.57	1.509	19.40	1.050	21.23	0.861
15.77	2.519	17.60	1.497	19.43	1.046	21.27	0.858
15.80	2.494	17.63	1.486	19.47	1.042	21.30	0.854
15.83	2.469	17.67	1.474	19.50	1.038	21.33	0.851
15.87	2.444	17.70	1.463	19.53	1.035	21.37	0.847
15.90	2.418	17.73	1.452	19.57	1.031	21.40	0.844
15.93	2.393	17.77	1.440	19.60	1.028	21.43	0.840
15.97	2.368	17.80	1.429	19.63	1.024	21.47	0.837
16.00	2.342	17.83	1.418	19.67	1.021	21.50	0.833
16.03	2.317	17.87	1.406	19.70	1.018	21.53	0.830
16.07	2.292	17.90	1.395	19.73	1.014	21.57	0.827

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AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
21.60	0.823	23.43	0.718
21.63	0.820	23.47	0.714
21.67	0.816	23.50	0.710
21.70	0.813	23.53	0.707
21.73	0.809	23.57	0.703
21.77	0.806	23.60	0.699
21.80	0.802	23.63	0.695
21.83	0.799	23.67	0.692
21.87	0.796	23.70	0.688
21.90	0.792	23.73	0.684
21.93	0.789	23.77	0.680
21.97	0.785	23.80	0.676
22.00	0.782	23.83	0.673
22.03	0.783	23.87	0.671
22.07	0.785	23.90	0.668
22.10	0.787	23.93	0.665
22.13	0.789	23.97	0.663
22.17	0.791	24.00	0.660
22.20	0.794	24.03	0.656
22.23	0.797	24.07	0.649
22.27	0.799	24.10	0.641
22.30	0.802	24.13	0.631
22.33	0.806	24.17	0.619
22.37	0.809	24.20	0.606
22.40	0.813	24.23	0.590
22.43	0.810	24.27	0.573
22.47	0.807	24.30	0.554
22.50	0.805	24.33	0.533
22.53	0.802	24.37	0.510
22.57	0.799	24.40	0.486
22.60	0.796	24.43	0.462
22.63	0.793	24.47	0.439
22.67	0.790	24.50	0.417
22.70	0.788	24.53	0.395
22.73	0.785	24.57	0.373
22.77	0.782	24.60	0.353
22.80	0.779	24.63	0.333
22.83	0.776	24.67	0.313
22.87	0.773	24.70	0.294
22.90	0.770	24.73	0.276
22.93	0.767	24.77	0.259
22.97	0.764	24.80	0.242
23.00	0.761	24.83	0.225
23.03	0.758	24.87	0.209
23.07	0.754		
23.10	0.751	*...End*	
23.13	0.748		
23.17	0.745		
23.20	0.741		
23.23	0.738		
23.27	0.735		
23.30	0.731		
23.33	0.728		
23.37	0.725		
23.40	0.721		

Hydrograph Report

Hyd. No. 3

AREA #3

Hydrograph type	= SCS Runoff	Peak discharge	= 8.316 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.73 hrs
Time interval	= 2 min	Hyd. volume	= 153,751 cuft
Drainage area	= 14.130 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 40.9 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(13.840 x 55) + (0.290 x 70)] / 14.130

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.67	0.090	12.93	8.031	14.20	2.841	15.47	1.881
11.70	0.118	12.97	7.944	14.23	2.782	15.50	1.865
11.73	0.153	13.00	7.850	14.27	2.730	15.53	1.849
11.77	0.197	13.03	7.749	14.30	2.682	15.57	1.833
11.80	0.253	13.07	7.642	14.33	2.639	15.60	1.817
11.83	0.322	13.10	7.529	14.37	2.600	15.63	1.801
11.87	0.406	13.13	7.410	14.40	2.565	15.67	1.785
11.90	0.509	13.17	7.285	14.43	2.531	15.70	1.769
11.93	0.639	13.20	7.155	14.47	2.500	15.73	1.753
11.97	0.811	13.23	7.020	14.50	2.469	15.77	1.738
12.00	1.047	13.27	6.880	14.53	2.440	15.80	1.722
12.03	1.353	13.30	6.735	14.57	2.412	15.83	1.706
12.07	1.716	13.33	6.587	14.60	2.386	15.87	1.690
12.10	2.121	13.37	6.435	14.63	2.360	15.90	1.674
12.13	2.555	13.40	6.280	14.67	2.335	15.93	1.659
12.17	3.016	13.43	6.121	14.70	2.311	15.97	1.643
12.20	3.498	13.47	5.961	14.73	2.288	16.00	1.627
12.23	3.999	13.50	5.797	14.77	2.266	16.03	1.611
12.27	4.512	13.53	5.631	14.80	2.244	16.07	1.595
12.30	5.033	13.57	5.463	14.83	2.223	16.10	1.579
12.33	5.555	13.60	5.293	14.87	2.203	16.13	1.563
12.37	6.064	13.63	5.121	14.90	2.183	16.17	1.547
12.40	6.538	13.67	4.948	14.93	2.163	16.20	1.531
12.43	6.947	13.70	4.774	14.97	2.144	16.23	1.515
12.47	7.276	13.73	4.600	15.00	2.125	16.27	1.499
12.50	7.537	13.77	4.426	15.03	2.106	16.30	1.484
12.53	7.751	13.80	4.254	15.07	2.088	16.33	1.469
12.57	7.927	13.83	4.083	15.10	2.069	16.37	1.454
12.60	8.068	13.87	3.915	15.13	2.051	16.40	1.439
12.63	8.175	13.90	3.751	15.17	2.033	16.43	1.425
12.67	8.251	13.93	3.598	15.20	2.016	16.47	1.411
12.70	8.297	13.97	3.460	15.23	1.998	16.50	1.397
12.73	8.316 <<	14.00	3.341	15.27	1.981	16.53	1.383
12.77	8.312	14.03	3.236	15.30	1.964	16.57	1.370
12.80	8.286	14.07	3.142	15.33	1.947	16.60	1.357
12.83	8.241	14.10	3.056	15.37	1.930	16.63	1.344
12.87	8.182	14.13	2.977	15.40	1.914	16.67	1.332
12.90	8.111	14.17	2.905	15.43	1.897	16.70	1.319

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AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
16.73	1.308	18.57	0.853	20.40	0.682	22.23	0.577
16.77	1.296	18.60	0.847	20.43	0.680	22.27	0.579
16.80	1.284	18.63	0.842	20.47	0.678	22.30	0.580
16.83	1.273	18.67	0.837	20.50	0.675	22.33	0.582
16.87	1.262	18.70	0.831	20.53	0.673	22.37	0.584
16.90	1.251	18.73	0.826	20.57	0.671	22.40	0.586
16.93	1.241	18.77	0.822	20.60	0.669	22.43	0.588
16.97	1.230	18.80	0.817	20.63	0.666	22.47	0.586
17.00	1.220	18.83	0.812	20.67	0.664	22.50	0.584
17.03	1.210	18.87	0.808	20.70	0.662	22.53	0.582
17.07	1.200	18.90	0.804	20.73	0.659	22.57	0.580
17.10	1.190	18.93	0.800	20.77	0.657	22.60	0.579
17.13	1.181	18.97	0.796	20.80	0.655	22.63	0.577
17.17	1.172	19.00	0.792	20.83	0.652	22.67	0.575
17.20	1.163	19.03	0.788	20.87	0.650	22.70	0.573
17.23	1.153	19.07	0.784	20.90	0.648	22.73	0.571
17.27	1.145	19.10	0.781	20.93	0.645	22.77	0.569
17.30	1.136	19.13	0.777	20.97	0.643	22.80	0.567
17.33	1.127	19.17	0.774	21.00	0.641	22.83	0.565
17.37	1.119	19.20	0.770	21.03	0.639	22.87	0.563
17.40	1.110	19.23	0.767	21.07	0.636	22.90	0.561
17.43	1.102	19.27	0.764	21.10	0.634	22.93	0.559
17.47	1.094	19.30	0.761	21.13	0.632	22.97	0.557
17.50	1.086	19.33	0.758	21.17	0.629	23.00	0.555
17.53	1.078	19.37	0.755	21.20	0.627	23.03	0.553
17.57	1.070	19.40	0.753	21.23	0.625	23.07	0.551
17.60	1.062	19.43	0.750	21.27	0.622	23.10	0.549
17.63	1.054	19.47	0.747	21.30	0.620	23.13	0.547
17.67	1.046	19.50	0.745	21.33	0.617	23.17	0.545
17.70	1.039	19.53	0.742	21.37	0.615	23.20	0.543
17.73	1.031	19.57	0.739	21.40	0.613	23.23	0.541
17.77	1.024	19.60	0.737	21.43	0.610	23.27	0.538
17.80	1.016	19.63	0.735	21.47	0.608	23.30	0.536
17.83	1.008	19.67	0.732	21.50	0.606	23.33	0.534
17.87	1.001	19.70	0.730	21.53	0.603	23.37	0.532
17.90	0.993	19.73	0.727	21.57	0.601	23.40	0.530
17.93	0.986	19.77	0.725	21.60	0.599	23.43	0.527
17.97	0.978	19.80	0.723	21.63	0.596	23.47	0.525
18.00	0.971	19.83	0.721	21.67	0.594	23.50	0.523
18.03	0.963	19.87	0.718	21.70	0.591	23.53	0.520
18.07	0.955	19.90	0.716	21.73	0.589	23.57	0.518
18.10	0.948	19.93	0.714	21.77	0.587	23.60	0.516
18.13	0.940	19.97	0.712	21.80	0.584	23.63	0.513
18.17	0.933	20.00	0.709	21.83	0.582	23.67	0.511
18.20	0.925	20.03	0.707	21.87	0.580	23.70	0.508
18.23	0.918	20.07	0.705	21.90	0.577	23.73	0.506
18.27	0.911	20.10	0.703	21.93	0.575	23.77	0.503
18.30	0.904	20.13	0.700	21.97	0.572	23.80	0.501
18.33	0.897	20.17	0.698	22.00	0.570	23.83	0.498
18.37	0.890	20.20	0.696	22.03	0.571	23.87	0.496
18.40	0.883	20.23	0.694	22.07	0.572	23.90	0.493
18.43	0.877	20.27	0.691	22.10	0.572	23.93	0.490
18.47	0.871	20.30	0.689	22.13	0.573	23.97	0.488
18.50	0.865	20.33	0.687	22.17	0.575	24.00	0.486
18.53	0.859	20.37	0.685	22.20	0.576	24.03	0.483

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AREA #3

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
24.07	0.479
24.10	0.473
24.13	0.467
24.17	0.459
24.20	0.451
24.23	0.441
24.27	0.430
24.30	0.418
24.33	0.405
24.37	0.391
24.40	0.375
24.43	0.359
24.47	0.343
24.50	0.327
24.53	0.312
24.57	0.297
24.60	0.282
24.63	0.268
24.67	0.255
24.70	0.241
24.73	0.228
24.77	0.216
24.80	0.203
24.83	0.191
24.87	0.180
24.90	0.169
24.93	0.158
24.97	0.148
25.00	0.138
25.03	0.128
25.07	0.119
25.10	0.110
25.13	0.101
25.17	0.093
25.20	0.085

...End

Hydrograph Report

Hyd. No. 4

AREA #6

Hydrograph type	= SCS Runoff	Peak discharge	= 6.357 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.50 hrs
Time interval	= 2 min	Hyd. volume	= 85,664 cuft
Drainage area	= 7.940 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.8 min
Total precip.	= 6.20 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.940 x 55)] / 7.940

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
11.60	0.071	12.87	4.820	14.13	1.379	15.40	0.984
11.63	0.093	12.90	4.609	14.17	1.364	15.43	0.976
11.67	0.120	12.93	4.394	14.20	1.348	15.47	0.967
11.70	0.155	12.97	4.175	14.23	1.334	15.50	0.958
11.73	0.200	13.00	3.953	14.27	1.319	15.53	0.949
11.77	0.257	13.03	3.730	14.30	1.305	15.57	0.941
11.80	0.329	13.07	3.507	14.33	1.292	15.60	0.932
11.83	0.417	13.10	3.286	14.37	1.278	15.63	0.923
11.87	0.525	13.13	3.070	14.40	1.266	15.67	0.914
11.90	0.654	13.17	2.868	14.43	1.253	15.70	0.905
11.93	0.816	13.20	2.688	14.47	1.241	15.73	0.896
11.97	1.032	13.23	2.535	14.50	1.230	15.77	0.887
12.00	1.331	13.27	2.404	14.53	1.218	15.80	0.878
12.03	1.722	13.30	2.290	14.57	1.207	15.83	0.869
12.07	2.183	13.33	2.187	14.60	1.197	15.87	0.860
12.10	2.687	13.37	2.096	14.63	1.186	15.90	0.851
12.13	3.216	13.40	2.015	14.67	1.176	15.93	0.842
12.17	3.760	13.43	1.944	14.70	1.166	15.97	0.832
12.20	4.302	13.47	1.883	14.73	1.157	16.00	0.823
12.23	4.808	13.50	1.830	14.77	1.147	16.03	0.814
12.27	5.233	13.53	1.784	14.80	1.138	16.07	0.805
12.30	5.560	13.57	1.745	14.83	1.129	16.10	0.796
12.33	5.807	13.60	1.711	14.87	1.120	16.13	0.787
12.37	5.999	13.63	1.680	14.90	1.111	16.17	0.778
12.40	6.151	13.67	1.653	14.93	1.102	16.20	0.769
12.43	6.262	13.70	1.628	14.97	1.094	16.23	0.761
12.47	6.331	13.73	1.604	15.00	1.085	16.27	0.752
12.50	6.357 <<	13.77	1.581	15.03	1.077	16.30	0.744
12.53	6.341	13.80	1.559	15.07	1.069	16.33	0.737
12.57	6.287	13.83	1.539	15.10	1.060	16.37	0.730
12.60	6.200	13.87	1.518	15.13	1.052	16.40	0.722
12.63	6.083	13.90	1.499	15.17	1.044	16.43	0.716
12.67	5.942	13.93	1.481	15.20	1.035	16.47	0.709
12.70	5.780	13.97	1.463	15.23	1.027	16.50	0.703
12.73	5.604	14.00	1.445	15.27	1.019	16.53	0.697
12.77	5.418	14.03	1.428	15.30	1.010	16.57	0.691
12.80	5.225	14.07	1.411	15.33	1.001	16.60	0.685
12.83	5.025	14.10	1.395	15.37	0.993	16.63	0.679

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AREA #6

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
16.67	0.674	18.50	0.448	20.33	0.371	22.17	0.323
16.70	0.669	18.53	0.446	20.37	0.370	22.20	0.327
16.73	0.664	18.57	0.443	20.40	0.368	22.23	0.331
16.77	0.659	18.60	0.441	20.43	0.367	22.27	0.336
16.80	0.654	18.63	0.439	20.47	0.366	22.30	0.334
16.83	0.649	18.67	0.437	20.50	0.364	22.33	0.333
16.87	0.645	18.70	0.435	20.53	0.363	22.37	0.332
16.90	0.640	18.73	0.433	20.57	0.362	22.40	0.330
16.93	0.636	18.77	0.431	20.60	0.361	22.43	0.329
16.97	0.631	18.80	0.430	20.63	0.359	22.47	0.327
17.00	0.627	18.83	0.428	20.67	0.358	22.50	0.326
17.03	0.623	18.87	0.427	20.70	0.357	22.53	0.324
17.07	0.619	18.90	0.425	20.73	0.355	22.57	0.322
17.10	0.615	18.93	0.424	20.77	0.354	22.60	0.321
17.13	0.611	18.97	0.422	20.80	0.353	22.63	0.319
17.17	0.606	19.00	0.421	20.83	0.351	22.67	0.317
17.20	0.602	19.03	0.420	20.87	0.350	22.70	0.316
17.23	0.598	19.07	0.418	20.90	0.349	22.73	0.314
17.27	0.594	19.10	0.417	20.93	0.348	22.77	0.312
17.30	0.590	19.13	0.416	20.97	0.346	22.80	0.310
17.33	0.586	19.17	0.415	21.00	0.345	22.83	0.309
17.37	0.582	19.20	0.414	21.03	0.344	22.87	0.307
17.40	0.578	19.23	0.412	21.07	0.342	22.90	0.305
17.43	0.573	19.27	0.411	21.10	0.341	22.93	0.303
17.47	0.569	19.30	0.410	21.13	0.340	22.97	0.301
17.50	0.565	19.33	0.409	21.17	0.338	23.00	0.299
17.53	0.561	19.37	0.407	21.20	0.337	23.03	0.297
17.57	0.557	19.40	0.406	21.23	0.336	23.07	0.295
17.60	0.552	19.43	0.405	21.27	0.334	23.10	0.292
17.63	0.548	19.47	0.404	21.30	0.333	23.13	0.290
17.67	0.544	19.50	0.402	21.33	0.332	23.17	0.288
17.70	0.540	19.53	0.401	21.37	0.330	23.20	0.286
17.73	0.536	19.57	0.400	21.40	0.329	23.23	0.285
17.77	0.531	19.60	0.399	21.43	0.328	23.27	0.284
17.80	0.527	19.63	0.397	21.47	0.327	23.30	0.283
17.83	0.523	19.67	0.396	21.50	0.325	23.33	0.282
17.87	0.518	19.70	0.395	21.53	0.324	23.37	0.281
17.90	0.514	19.73	0.394	21.57	0.323	23.40	0.280
17.93	0.510	19.77	0.392	21.60	0.321	23.43	0.279
17.97	0.506	19.80	0.391	21.63	0.320	23.47	0.278
18.00	0.501	19.83	0.390	21.67	0.319	23.50	0.277
18.03	0.497	19.87	0.389	21.70	0.317	23.53	0.275
18.07	0.493	19.90	0.387	21.73	0.316	23.57	0.274
18.10	0.489	19.93	0.386	21.77	0.315	23.60	0.273
18.13	0.484	19.97	0.385	21.80	0.313	23.63	0.272
18.17	0.480	20.00	0.384	21.83	0.312	23.67	0.271
18.20	0.476	20.03	0.382	21.87	0.310	23.70	0.270
18.23	0.473	20.07	0.381	21.90	0.309	23.73	0.269
18.27	0.469	20.10	0.380	21.93	0.308	23.77	0.268
18.30	0.466	20.13	0.379	21.97	0.306	23.80	0.267
18.33	0.462	20.17	0.377	22.00	0.305	23.83	0.266
18.37	0.459	20.20	0.376	22.03	0.308	23.87	0.265
18.40	0.456	20.23	0.375	22.07	0.312	23.90	0.264
18.43	0.453	20.27	0.373	22.10	0.315	23.93	0.263
18.47	0.451	20.30	0.372	22.13	0.319	23.97	0.262

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AREA #6

Hydrograph Discharge Table

Time -- (hrs	Outflow cfs)
24.00	0.261
24.03	0.258
24.07	0.254
24.10	0.248
24.13	0.240
24.17	0.230
24.20	0.219
24.23	0.206
24.27	0.192
24.30	0.178
24.33	0.165
24.37	0.152
24.40	0.139
24.43	0.128
24.47	0.116
24.50	0.106
24.53	0.095
24.57	0.086
24.60	0.077
24.63	0.068

...End

Hydrograph Report

Hyd. No. 5

TOAL EX- FLOW TO DITCH

Hydrograph type	= Combine	Peak discharge	= 61.71 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.50 hrs
Time interval	= 2 min	Hyd. volume	= 794,495 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 52.560 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
9.63	0.257	0.379	0.000	0.000	0.635
9.67	0.274	0.394	0.000	0.000	0.668
9.70	0.293	0.409	0.000	0.000	0.702
9.73	0.311	0.425	0.000	0.000	0.736
9.77	0.330	0.441	0.000	0.000	0.771
9.80	0.349	0.458	0.000	0.000	0.807
9.83	0.369	0.474	0.000	0.000	0.843
9.87	0.389	0.491	0.000	0.000	0.880
9.90	0.409	0.508	0.000	0.000	0.917
9.93	0.430	0.526	0.000	0.000	0.956
9.97	0.451	0.543	0.000	0.000	0.994
10.00	0.472	0.562	0.000	0.000	1.034
10.03	0.494	0.580	0.000	0.000	1.074
10.07	0.516	0.598	0.000	0.000	1.115
10.10	0.539	0.617	0.000	0.000	1.156
10.13	0.562	0.637	0.000	0.000	1.199
10.17	0.586	0.657	0.000	0.000	1.242
10.20	0.610	0.677	0.000	0.000	1.287
10.23	0.635	0.697	0.000	0.000	1.333
10.27	0.661	0.718	0.000	0.000	1.380
10.30	0.688	0.740	0.000	0.000	1.428
10.33	0.716	0.762	0.000	0.000	1.478
10.37	0.744	0.785	0.000	0.000	1.530
10.40	0.774	0.809	0.000	0.000	1.583
10.43	0.804	0.833	0.000	0.000	1.637
10.47	0.836	0.858	0.000	0.000	1.693
10.50	0.868	0.883	0.000	0.000	1.751
10.53	0.901	0.910	0.000	0.000	1.810
10.57	0.935	0.937	0.000	0.000	1.871
10.60	0.970	0.964	0.000	0.000	1.934
10.63	1.006	0.993	0.000	0.000	1.998
10.67	1.043	1.022	0.000	0.000	2.064
10.70	1.080	1.052	0.000	0.000	2.132
10.73	1.119	1.082	0.000	0.000	2.201
10.77	1.159	1.113	0.000	0.000	2.272
10.80	1.200	1.145	0.000	0.000	2.345
10.83	1.241	1.178	0.000	0.000	2.419
10.87	1.284	1.211	0.000	0.000	2.495
10.90	1.327	1.246	0.000	0.000	2.573
10.93	1.372	1.280	0.000	0.000	2.652
10.97	1.417	1.316	0.000	0.000	2.733
11.00	1.464	1.352	0.000	0.000	2.816
11.03	1.511	1.390	0.000	0.000	2.901
11.07	1.560	1.428	0.000	0.000	2.988

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
11.10	1.611	1.468	0.000	0.000	3.079
11.13	1.665	1.509	0.000	0.000	3.174
11.17	1.723	1.552	0.000	0.000	3.274
11.20	1.784	1.596	0.000	0.000	3.380
11.23	1.849	1.644	0.000	0.000	3.493
11.27	1.920	1.694	0.001	0.001	3.615
11.30	1.996	1.746	0.001	0.002	3.745
11.33	2.077	1.802	0.003	0.004	3.886
11.37	2.164	1.861	0.004	0.007	4.037
11.40	2.257	1.924	0.007	0.011	4.199
11.43	2.355	1.991	0.011	0.016	4.373
11.47	2.459	2.062	0.015	0.023	4.559
11.50	2.569	2.137	0.021	0.031	4.759
11.53	2.688	2.218	0.029	0.042	4.976
11.57	2.824	2.307	0.039	0.055	5.224
11.60	2.985	2.408	0.051	0.071	5.516
11.63	3.179	2.526	0.068	0.093	5.865
11.67	3.415	2.662	0.090	0.120	6.287
11.70	3.704	2.822	0.118	0.155	6.799
11.73	4.055	3.010	0.153	0.200	7.418
11.77	4.480	3.230	0.197	0.257	8.165
11.80	4.987	3.486	0.253	0.329	9.055
11.83	5.578	3.784	0.322	0.417	10.10
11.87	6.256	4.129	0.406	0.525	11.32
11.90	7.025	4.526	0.509	0.654	12.71
11.93	7.931	4.996	0.639	0.816	14.38
11.97	9.069	5.577	0.811	1.032	16.49
12.00	10.55	6.309	1.047	1.331	19.23
12.03	12.37	7.195	1.353	1.722	22.64
12.07	14.42	8.192	1.716	2.183	26.51
12.10	16.58	9.252	2.121	2.687	30.64
12.13	18.77	10.34	2.555	3.216	34.89
12.17	20.95	11.46	3.016	3.760	39.19
12.20	23.04	12.58	3.498	4.302	43.43
12.23	24.89	13.70	3.999	4.808	47.40
12.27	26.31	14.81	4.512	5.233	50.87
12.30	27.28	15.89	5.033	5.560	53.77
12.33	27.89	16.91	5.555	5.807	56.17
12.37	28.28	17.81	6.064	5.999	58.15
12.40	28.51	18.52	6.538	6.151	59.71
12.43	28.57 <<	19.02	6.947	6.262	60.80
12.47	28.47	19.37	7.276	6.331	61.44
12.50	28.21	19.61	7.537	6.357 <<	61.71 <<
12.53	27.80	19.76	7.751	6.341	61.65
12.57	27.25	19.83	7.927	6.287	61.30
12.60	26.58	19.83 <<	8.068	6.200	60.68
12.63	25.82	19.77	8.175	6.083	59.84
12.67	24.97	19.64	8.251	5.942	58.80
12.70	24.05	19.46	8.297	5.780	57.59
12.73	23.09	19.23	8.316 <<	5.604	56.24
12.77	22.10	18.96	8.312	5.418	54.79
12.80	21.09	18.66	8.286	5.225	53.26
12.83	20.08	18.32	8.241	5.025	51.67
12.87	19.06	17.97	8.182	4.820	50.03
12.90	18.03	17.60	8.111	4.609	48.35
12.93	17.01	17.22	8.031	4.394	46.65

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
12.97	15.98	16.82	7.944	4.175	44.92
13.00	14.97	16.42	7.850	3.953	43.19
13.03	13.96	16.01	7.749	3.730	41.45
13.07	12.98	15.58	7.642	3.507	39.71
13.10	12.02	15.15	7.529	3.286	37.99
13.13	11.11	14.71	7.410	3.070	36.30
13.17	10.27	14.26	7.285	2.868	34.69
13.20	9.546	13.81	7.155	2.688	33.20
13.23	8.943	13.35	7.020	2.535	31.85
13.27	8.435	12.89	6.880	2.404	30.61
13.30	7.995	12.42	6.735	2.290	29.44
13.33	7.603	11.94	6.587	2.187	28.32
13.37	7.256	11.47	6.435	2.096	27.26
13.40	6.952	11.00	6.280	2.015	26.24
13.43	6.687	10.53	6.121	1.944	25.28
13.47	6.457	10.06	5.961	1.883	24.36
13.50	6.258	9.593	5.797	1.830	23.48
13.53	6.086	9.135	5.631	1.784	22.64
13.57	5.939	8.684	5.463	1.745	21.83
13.60	5.810	8.242	5.293	1.711	21.06
13.63	5.697	7.811	5.121	1.680	20.31
13.67	5.596	7.391	4.948	1.653	19.59
13.70	5.501	6.986	4.774	1.628	18.89
13.73	5.410	6.601	4.600	1.604	18.22
13.77	5.324	6.249	4.426	1.581	17.58
13.80	5.242	5.943	4.254	1.559	17.00
13.83	5.164	5.685	4.083	1.539	16.47
13.87	5.089	5.464	3.915	1.518	15.99
13.90	5.017	5.269	3.751	1.499	15.54
13.93	4.948	5.092	3.598	1.481	15.12
13.97	4.881	4.933	3.460	1.463	14.74
14.00	4.816	4.790	3.341	1.445	14.39
14.03	4.753	4.662	3.236	1.428	14.08
14.07	4.692	4.547	3.142	1.411	13.79
14.10	4.632	4.444	3.056	1.395	13.53
14.13	4.574	4.352	2.977	1.379	13.28
14.17	4.517	4.269	2.905	1.364	13.05
14.20	4.461	4.194	2.841	1.348	12.84
14.23	4.407	4.125	2.782	1.334	12.65
14.27	4.354	4.061	2.730	1.319	12.46
14.30	4.303	4.000	2.682	1.305	12.29
14.33	4.254	3.941	2.639	1.292	12.13
14.37	4.206	3.886	2.600	1.278	11.97
14.40	4.159	3.832	2.565	1.266	11.82
14.43	4.114	3.781	2.531	1.253	11.68
14.47	4.071	3.732	2.500	1.241	11.54
14.50	4.028	3.686	2.469	1.230	11.41
14.53	3.987	3.641	2.440	1.218	11.29
14.57	3.947	3.598	2.412	1.207	11.16
14.60	3.909	3.556	2.386	1.197	11.05
14.63	3.871	3.517	2.360	1.186	10.93
14.67	3.834	3.478	2.335	1.176	10.82
14.70	3.798	3.441	2.311	1.166	10.72
14.73	3.763	3.404	2.288	1.157	10.61
14.77	3.729	3.369	2.266	1.147	10.51
14.80	3.696	3.334	2.244	1.138	10.41

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
14.83	3.663	3.300	2.223	1.129	10.32
14.87	3.631	3.267	2.203	1.120	10.22
14.90	3.600	3.234	2.183	1.111	10.13
14.93	3.569	3.202	2.163	1.102	10.04
14.97	3.538	3.170	2.144	1.094	9.946
15.00	3.508	3.139	2.125	1.085	9.857
15.03	3.478	3.109	2.106	1.077	9.770
15.07	3.448	3.078	2.088	1.069	9.683
15.10	3.419	3.049	2.069	1.060	9.597
15.13	3.389	3.020	2.051	1.052	9.512
15.17	3.360	2.991	2.033	1.044	9.428
15.20	3.331	2.962	2.016	1.035	9.344
15.23	3.301	2.934	1.998	1.027	9.261
15.27	3.272	2.907	1.981	1.019	9.178
15.30	3.242	2.880	1.964	1.010	9.096
15.33	3.212	2.853	1.947	1.001	9.014
15.37	3.183	2.826	1.930	0.993	8.932
15.40	3.153	2.799	1.914	0.984	8.851
15.43	3.123	2.773	1.897	0.976	8.769
15.47	3.093	2.747	1.881	0.967	8.689
15.50	3.063	2.721	1.865	0.958	8.608
15.53	3.033	2.696	1.849	0.949	8.527
15.57	3.003	2.670	1.833	0.941	8.447
15.60	2.973	2.645	1.817	0.932	8.367
15.63	2.943	2.620	1.801	0.923	8.287
15.67	2.913	2.595	1.785	0.914	8.206
15.70	2.883	2.569	1.769	0.905	8.126
15.73	2.852	2.544	1.753	0.896	8.046
15.77	2.822	2.519	1.738	0.887	7.966
15.80	2.792	2.494	1.722	0.878	7.886
15.83	2.761	2.469	1.706	0.869	7.805
15.87	2.731	2.444	1.690	0.860	7.724
15.90	2.700	2.418	1.674	0.851	7.644
15.93	2.670	2.393	1.659	0.842	7.563
15.97	2.639	2.368	1.643	0.832	7.482
16.00	2.608	2.342	1.627	0.823	7.401
16.03	2.578	2.317	1.611	0.814	7.319
16.07	2.547	2.292	1.595	0.805	7.238
16.10	2.517	2.267	1.579	0.796	7.158
16.13	2.487	2.241	1.563	0.787	7.078
16.17	2.458	2.217	1.547	0.778	6.999
16.20	2.429	2.192	1.531	0.769	6.921
16.23	2.401	2.167	1.515	0.761	6.844
16.27	2.374	2.143	1.499	0.752	6.769
16.30	2.348	2.120	1.484	0.744	6.696
16.33	2.323	2.096	1.469	0.737	6.625
16.37	2.299	2.073	1.454	0.730	6.556
16.40	2.276	2.051	1.439	0.722	6.488
16.43	2.253	2.029	1.425	0.716	6.423
16.47	2.231	2.008	1.411	0.709	6.359
16.50	2.210	1.987	1.397	0.703	6.297
16.53	2.190	1.967	1.383	0.697	6.236
16.57	2.170	1.947	1.370	0.691	6.178
16.60	2.151	1.928	1.357	0.685	6.120
16.63	2.133	1.909	1.344	0.679	6.065
16.67	2.115	1.890	1.332	0.674	6.011

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
16.70	2.098	1.872	1.319	0.669	5.958
16.73	2.081	1.854	1.308	0.664	5.906
16.77	2.065	1.837	1.296	0.659	5.856
16.80	2.049	1.820	1.284	0.654	5.807
16.83	2.033	1.804	1.273	0.649	5.759
16.87	2.018	1.787	1.262	0.645	5.712
16.90	2.003	1.772	1.251	0.640	5.666
16.93	1.989	1.756	1.241	0.636	5.621
16.97	1.975	1.741	1.230	0.631	5.577
17.00	1.961	1.726	1.220	0.627	5.534
17.03	1.947	1.712	1.210	0.623	5.491
17.07	1.933	1.697	1.200	0.619	5.449
17.10	1.919	1.683	1.190	0.615	5.408
17.13	1.906	1.670	1.181	0.611	5.367
17.17	1.892	1.656	1.172	0.606	5.327
17.20	1.879	1.643	1.163	0.602	5.287
17.23	1.865	1.630	1.153	0.598	5.247
17.27	1.852	1.617	1.145	0.594	5.208
17.30	1.838	1.604	1.136	0.590	5.169
17.33	1.825	1.592	1.127	0.586	5.130
17.37	1.811	1.579	1.119	0.582	5.091
17.40	1.798	1.567	1.110	0.578	5.053
17.43	1.784	1.555	1.102	0.573	5.015
17.47	1.771	1.543	1.094	0.569	4.977
17.50	1.757	1.532	1.086	0.565	4.940
17.53	1.744	1.520	1.078	0.561	4.902
17.57	1.730	1.509	1.070	0.557	4.865
17.60	1.716	1.497	1.062	0.552	4.828
17.63	1.703	1.486	1.054	0.548	4.791
17.67	1.689	1.474	1.046	0.544	4.754
17.70	1.675	1.463	1.039	0.540	4.717
17.73	1.662	1.452	1.031	0.536	4.680
17.77	1.648	1.440	1.024	0.531	4.643
17.80	1.634	1.429	1.016	0.527	4.606
17.83	1.621	1.418	1.008	0.523	4.570
17.87	1.607	1.406	1.001	0.518	4.533
17.90	1.593	1.395	0.993	0.514	4.496
17.93	1.580	1.384	0.986	0.510	4.459
17.97	1.566	1.373	0.978	0.506	4.422
18.00	1.552	1.361	0.971	0.501	4.385
18.03	1.538	1.350	0.963	0.497	4.348
18.07	1.525	1.339	0.955	0.493	4.312
18.10	1.511	1.327	0.948	0.489	4.275
18.13	1.498	1.316	0.940	0.484	4.239
18.17	1.485	1.305	0.933	0.480	4.204
18.20	1.473	1.294	0.925	0.476	4.169
18.23	1.461	1.283	0.918	0.473	4.135
18.27	1.449	1.273	0.911	0.469	4.102
18.30	1.438	1.263	0.904	0.466	4.070
18.33	1.427	1.252	0.897	0.462	4.039
18.37	1.417	1.243	0.890	0.459	4.009
18.40	1.408	1.233	0.883	0.456	3.980
18.43	1.398	1.224	0.877	0.453	3.952
18.47	1.390	1.215	0.871	0.451	3.926
18.50	1.381	1.206	0.865	0.448	3.900
18.53	1.374	1.197	0.859	0.446	3.875

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
18.57	1.366	1.189	0.853	0.443	3.851
18.60	1.359	1.181	0.847	0.441	3.828
18.63	1.352	1.174	0.842	0.439	3.806
18.67	1.346	1.166	0.837	0.437	3.785
18.70	1.339	1.159	0.831	0.435	3.765
18.73	1.333	1.152	0.826	0.433	3.745
18.77	1.328	1.145	0.822	0.431	3.726
18.80	1.322	1.139	0.817	0.430	3.708
18.83	1.317	1.132	0.812	0.428	3.690
18.87	1.312	1.126	0.808	0.427	3.673
18.90	1.307	1.120	0.804	0.425	3.656
18.93	1.303	1.114	0.800	0.424	3.640
18.97	1.298	1.109	0.796	0.422	3.625
19.00	1.294	1.103	0.792	0.421	3.610
19.03	1.290	1.098	0.788	0.420	3.595
19.07	1.285	1.093	0.784	0.418	3.581
19.10	1.281	1.088	0.781	0.417	3.567
19.13	1.277	1.083	0.777	0.416	3.554
19.17	1.273	1.079	0.774	0.415	3.540
19.20	1.269	1.074	0.770	0.414	3.527
19.23	1.265	1.070	0.767	0.412	3.515
19.27	1.261	1.066	0.764	0.411	3.502
19.30	1.257	1.062	0.761	0.410	3.489
19.33	1.253	1.057	0.758	0.409	3.477
19.37	1.249	1.054	0.755	0.407	3.465
19.40	1.245	1.050	0.753	0.406	3.453
19.43	1.241	1.046	0.750	0.405	3.441
19.47	1.237	1.042	0.747	0.404	3.430
19.50	1.233	1.038	0.745	0.402	3.418
19.53	1.229	1.035	0.742	0.401	3.407
19.57	1.225	1.031	0.739	0.400	3.395
19.60	1.220	1.028	0.737	0.399	3.384
19.63	1.216	1.024	0.735	0.397	3.373
19.67	1.212	1.021	0.732	0.396	3.362
19.70	1.208	1.018	0.730	0.395	3.351
19.73	1.204	1.014	0.727	0.394	3.340
19.77	1.200	1.011	0.725	0.392	3.328
19.80	1.196	1.007	0.723	0.391	3.318
19.83	1.192	1.004	0.721	0.390	3.307
19.87	1.188	1.001	0.718	0.389	3.296
19.90	1.184	0.997	0.716	0.387	3.285
19.93	1.180	0.994	0.714	0.386	3.274
19.97	1.176	0.990	0.712	0.385	3.263
20.00	1.171	0.987	0.709	0.384	3.252
20.03	1.167	0.984	0.707	0.382	3.241
20.07	1.163	0.980	0.705	0.381	3.230
20.10	1.159	0.977	0.703	0.380	3.219
20.13	1.155	0.974	0.700	0.379	3.208
20.17	1.151	0.970	0.698	0.377	3.197
20.20	1.147	0.967	0.696	0.376	3.186
20.23	1.143	0.963	0.694	0.375	3.175
20.27	1.139	0.960	0.691	0.373	3.163
20.30	1.135	0.957	0.689	0.372	3.152
20.33	1.130	0.953	0.687	0.371	3.141
20.37	1.126	0.950	0.685	0.370	3.130
20.40	1.122	0.946	0.682	0.368	3.119

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
20.43	1.118	0.943	0.680	0.367	3.108
20.47	1.114	0.940	0.678	0.366	3.097
20.50	1.110	0.936	0.675	0.364	3.086
20.53	1.106	0.933	0.673	0.363	3.075
20.57	1.102	0.929	0.671	0.362	3.064
20.60	1.097	0.926	0.669	0.361	3.053
20.63	1.093	0.923	0.666	0.359	3.041
20.67	1.089	0.919	0.664	0.358	3.030
20.70	1.085	0.916	0.662	0.357	3.019
20.73	1.081	0.912	0.659	0.355	3.008
20.77	1.077	0.909	0.657	0.354	2.997
20.80	1.073	0.905	0.655	0.353	2.986
20.83	1.069	0.902	0.652	0.351	2.975
20.87	1.064	0.899	0.650	0.350	2.963
20.90	1.060	0.895	0.648	0.349	2.952
20.93	1.056	0.892	0.645	0.348	2.941
20.97	1.052	0.888	0.643	0.346	2.930
21.00	1.048	0.885	0.641	0.345	2.919
21.03	1.044	0.882	0.639	0.344	2.907
21.07	1.039	0.878	0.636	0.342	2.896
21.10	1.035	0.875	0.634	0.341	2.885
21.13	1.031	0.871	0.632	0.340	2.874
21.17	1.027	0.868	0.629	0.338	2.862
21.20	1.023	0.864	0.627	0.337	2.851
21.23	1.019	0.861	0.625	0.336	2.840
21.27	1.015	0.858	0.622	0.334	2.829
21.30	1.010	0.854	0.620	0.333	2.817
21.33	1.006	0.851	0.617	0.332	2.806
21.37	1.002	0.847	0.615	0.330	2.795
21.40	0.998	0.844	0.613	0.329	2.784
21.43	0.994	0.840	0.610	0.328	2.772
21.47	0.989	0.837	0.608	0.327	2.761
21.50	0.985	0.833	0.606	0.325	2.750
21.53	0.981	0.830	0.603	0.324	2.738
21.57	0.977	0.827	0.601	0.323	2.727
21.60	0.973	0.823	0.599	0.321	2.716
21.63	0.969	0.820	0.596	0.320	2.704
21.67	0.964	0.816	0.594	0.319	2.693
21.70	0.960	0.813	0.591	0.317	2.682
21.73	0.956	0.809	0.589	0.316	2.670
21.77	0.952	0.806	0.587	0.315	2.659
21.80	0.948	0.802	0.584	0.313	2.648
21.83	0.943	0.799	0.582	0.312	2.636
21.87	0.939	0.796	0.580	0.310	2.625
21.90	0.935	0.792	0.577	0.309	2.613
21.93	0.931	0.789	0.575	0.308	2.602
21.97	0.927	0.785	0.572	0.306	2.591
22.00	0.922	0.782	0.570	0.305	2.579
22.03	0.932	0.783	0.571	0.308	2.595
22.07	0.942	0.785	0.572	0.312	2.611
22.10	0.953	0.787	0.572	0.315	2.628
22.13	0.964	0.789	0.573	0.319	2.646
22.17	0.976	0.791	0.575	0.323	2.665
22.20	0.988	0.794	0.576	0.327	2.685
22.23	1.001	0.797	0.577	0.331	2.706
22.27	1.014	0.799	0.579	0.336	2.727

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
22.30	1.009	0.802	0.580	0.334	2.726
22.33	1.005	0.806	0.582	0.333	2.726
22.37	1.001	0.809	0.584	0.332	2.725
22.40	0.996	0.813	0.586	0.330	2.725
22.43	0.991	0.810	0.588	0.329	2.718
22.47	0.987	0.807	0.586	0.327	2.707
22.50	0.982	0.805	0.584	0.326	2.696
22.53	0.977	0.802	0.582	0.324	2.685
22.57	0.972	0.799	0.580	0.322	2.674
22.60	0.967	0.796	0.579	0.321	2.663
22.63	0.962	0.793	0.577	0.319	2.651
22.67	0.957	0.790	0.575	0.317	2.640
22.70	0.952	0.788	0.573	0.316	2.628
22.73	0.946	0.785	0.571	0.314	2.616
22.77	0.941	0.782	0.569	0.312	2.604
22.80	0.935	0.779	0.567	0.310	2.592
22.83	0.929	0.776	0.565	0.309	2.579
22.87	0.924	0.773	0.563	0.307	2.566
22.90	0.918	0.770	0.561	0.305	2.554
22.93	0.912	0.767	0.559	0.303	2.541
22.97	0.905	0.764	0.557	0.301	2.527
23.00	0.899	0.761	0.555	0.299	2.514
23.03	0.893	0.758	0.553	0.297	2.500
23.07	0.886	0.754	0.551	0.295	2.486
23.10	0.880	0.751	0.549	0.292	2.472
23.13	0.873	0.748	0.547	0.290	2.458
23.17	0.866	0.745	0.545	0.288	2.444
23.20	0.859	0.741	0.543	0.286	2.429
23.23	0.856	0.738	0.541	0.285	2.419
23.27	0.853	0.735	0.538	0.284	2.410
23.30	0.850	0.731	0.536	0.283	2.400
23.33	0.846	0.728	0.534	0.282	2.390
23.37	0.843	0.725	0.532	0.281	2.380
23.40	0.840	0.721	0.530	0.280	2.370
23.43	0.837	0.718	0.527	0.279	2.360
23.47	0.834	0.714	0.525	0.278	2.350
23.50	0.831	0.710	0.523	0.277	2.340
23.53	0.827	0.707	0.520	0.275	2.330
23.57	0.824	0.703	0.518	0.274	2.320
23.60	0.821	0.699	0.516	0.273	2.309
23.63	0.818	0.695	0.513	0.272	2.299
23.67	0.815	0.692	0.511	0.271	2.289
23.70	0.812	0.688	0.508	0.270	2.278
23.73	0.808	0.684	0.506	0.269	2.267
23.77	0.805	0.680	0.503	0.268	2.257
23.80	0.802	0.676	0.501	0.267	2.246
23.83	0.799	0.673	0.498	0.266	2.237
23.87	0.796	0.671	0.496	0.265	2.227
23.90	0.793	0.668	0.493	0.264	2.218
23.93	0.789	0.665	0.490	0.263	2.208
23.97	0.786	0.663	0.488	0.262	2.199
24.00	0.783	0.660	0.486	0.261	2.190
24.03	0.775	0.656	0.483	0.258	2.172
24.07	0.761	0.649	0.479	0.254	2.143
24.10	0.743	0.641	0.473	0.248	2.105
24.13	0.719	0.631	0.467	0.240	2.058

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
24.17	0.691	0.619	0.459	0.230	2.000
24.20	0.657	0.606	0.451	0.219	1.933
24.23	0.619	0.590	0.441	0.206	1.857
24.27	0.575	0.573	0.430	0.192	1.770
24.30	0.533	0.554	0.418	0.178	1.683
24.33	0.493	0.533	0.405	0.165	1.596
24.37	0.455	0.510	0.391	0.152	1.508
24.40	0.418	0.486	0.375	0.139	1.419
24.43	0.382	0.462	0.359	0.128	1.331
24.47	0.349	0.439	0.343	0.116	1.247
24.50	0.317	0.417	0.327	0.106	1.166
24.53	0.286	0.395	0.312	0.095	1.088
24.57	0.257	0.373	0.297	0.086	1.013
24.60	0.230	0.353	0.282	0.077	0.942
24.63	0.204	0.333	0.268	0.068	0.873
24.67	0.180	0.313	0.255	0.060	0.807
24.70	0.157	0.294	0.241	0.052	0.745
24.73	0.136	0.276	0.228	0.045	0.686
24.77	0.116	0.259	0.216	0.039	0.629

...End

Hydrograph Report

Hyd. No. 6

EXIST ROUTED FLOW

Hydrograph type	= Reservoir (Interconnected)	Peak discharge	= 32.00 cfs
Storm frequency	= 25 yrs	Time to peak	= 13.23 hrs
Time interval	= 2 min	Hyd. volume	= 794,492 cuft
Upper Pond		**Lower Pond**	
Pond name	= EX-BASIN #3	Pond name	= EXIST-DITCH
Inflow hyd.	= 5 - TOAL EX- FLOW TO DITCH	Other Inflow hyd.	= None
Max. Elevation	= 96.90 ft	Max. Elevation	= 90.20 ft
Max. Storage	= 136,758 cuft	Max. Storage	= 1,044 cuft

Interconnected Pond Routing. Storage Indication method used.

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

	|<----- Upper Pond ----->|		|<--------- Lower Pond ---------->|			
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
9.57	0.572	93.94	0.330	0.330	-----	88.92	-----	0.323
9.60	0.603	93.95	0.358	0.358	-----	88.93	-----	0.350
9.63	0.635	93.96	0.387	0.387	-----	88.93	-----	0.379
9.67	0.668	93.97	0.417	0.417	-----	88.94	-----	0.409
9.70	0.702	93.97	0.447	0.447	-----	88.95	-----	0.440
9.73	0.736	93.98	0.479	0.479	-----	88.95	-----	0.471
9.77	0.771	93.99	0.512	0.512	-----	88.96	-----	0.504
9.80	0.807	94.00	0.546	0.546	-----	88.96	-----	0.539
9.83	0.843	94.00	0.564	0.564	-----	88.97	-----	0.561
9.87	0.880	94.00	0.570	0.570	-----	88.97	-----	0.569
9.90	0.917	94.00	0.577	0.577	-----	88.97	-----	0.575
9.93	0.956	94.01	0.584	0.584	-----	88.97	-----	0.582
9.97	0.994	94.01	0.592	0.592	-----	88.97	-----	0.590
10.00	1.034	94.01	0.600	0.600	-----	88.97	-----	0.598
10.03	1.074	94.01	0.609	0.609	-----	88.97	-----	0.607
10.07	1.115	94.01	0.619	0.619	-----	88.97	-----	0.617
10.10	1.156	94.02	0.629	0.629	-----	88.98	-----	0.627
10.13	1.199	94.02	0.640	0.640	-----	88.98	-----	0.638
10.17	1.242	94.02	0.652	0.652	-----	88.98	-----	0.650
10.20	1.287	94.02	0.664	0.664	-----	88.98	-----	0.662
10.23	1.333	94.03	0.677	0.677	-----	88.98	-----	0.675
10.27	1.380	94.03	0.691	0.691	-----	88.99	-----	0.688
10.30	1.428	94.03	0.705	0.705	-----	88.99	-----	0.702
10.33	1.478	94.04	0.720	0.720	-----	88.99	-----	0.717
10.37	1.530	94.04	0.736	0.736	-----	88.99	-----	0.733
10.40	1.583	94.04	0.752	0.752	-----	88.99	-----	0.749
10.43	1.637	94.05	0.770	0.770	-----	89.00	-----	0.766
10.47	1.693	94.05	0.788	0.788	-----	89.00	-----	0.784
10.50	1.751	94.06	0.806	0.806	-----	89.00	-----	0.799
10.53	1.810	94.06	0.826	0.826	-----	89.00	-----	0.815
10.57	1.871	94.07	0.846	0.846	-----	89.00	-----	0.834
10.60	1.934	94.07	0.868	0.868	-----	89.01	-----	0.855
10.63	1.998	94.08	0.890	0.890	-----	89.01	-----	0.876
10.67	2.064	94.08	0.913	0.913	-----	89.01	-----	0.899
10.70	2.132	94.09	0.936	0.936	-----	89.01	-----	0.922
10.73	2.201	94.09	0.961	0.961	-----	89.02	-----	0.946
10.77	2.272	94.10	0.987	0.987	-----	89.02	-----	0.971

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
10.80	2.345	94.10	1.015	1.015	-----	89.02	-----	0.998
10.83	2.419	94.11	1.047	1.047	-----	89.03	-----	1.028
10.87	2.495	94.12	1.080	1.080	-----	89.03	-----	1.060
10.90	2.573	94.12	1.115	1.115	-----	89.03	-----	1.094
10.93	2.652	94.13	1.150	1.150	-----	89.04	-----	1.128
10.97	2.733	94.14	1.186	1.186	-----	89.04	-----	1.164
11.00	2.816	94.15	1.224	1.224	-----	89.04	-----	1.201
11.03	2.901	94.15	1.263	1.263	-----	89.05	-----	1.239
11.07	2.988	94.16	1.302	1.302	-----	89.05	-----	1.278
11.10	3.079	94.17	1.343	1.343	-----	89.06	-----	1.318
11.13	3.174	94.18	1.385	1.385	-----	89.06	-----	1.360
11.17	3.274	94.18	1.429	1.429	-----	89.07	-----	1.402
11.20	3.380	94.19	1.474	1.474	-----	89.07	-----	1.446
11.23	3.493	94.20	1.520	1.520	-----	89.08	-----	1.492
11.27	3.615	94.21	1.573	1.573	-----	89.08	-----	1.541
11.30	3.745	94.22	1.629	1.629	-----	89.09	-----	1.595
11.33	3.886	94.23	1.687	1.687	-----	89.09	-----	1.652
11.37	4.037	94.24	1.748	1.748	-----	89.10	-----	1.711
11.40	4.199	94.25	1.811	1.811	-----	89.11	-----	1.782
11.43	4.373	94.26	1.877	1.877	-----	89.11	-----	1.847
11.47	4.559	94.28	1.946	1.946	-----	89.12	-----	1.915
11.50	4.759	94.29	2.019	2.019	-----	89.12	-----	1.986
11.53	4.976	94.30	2.094	2.094	-----	89.13	-----	2.060
11.57	5.224	94.32	2.180	2.180	-----	89.13	-----	2.141
11.60	5.516	94.33	2.274	2.274	-----	89.14	-----	2.231
11.63	5.865	94.35	2.374	2.374	-----	89.15	-----	2.328
11.67	6.287	94.36	2.483	2.483	-----	89.16	-----	2.433
11.70	6.799	94.38	2.602	2.602	-----	89.17	-----	2.548
11.73	7.418	94.40	2.734	2.734	-----	89.18	-----	2.674
11.77	8.165	94.43	2.892	2.892	-----	89.19	-----	2.820
11.80	9.055	94.46	3.074	3.074	-----	89.20	-----	2.995
11.83	10.10	94.49	3.281	3.281	-----	89.22	-----	3.209
11.87	11.32	94.52	3.520	3.520	-----	89.23	-----	3.433
11.90	12.71	94.56	3.811	3.811	-----	89.25	-----	3.705
11.93	14.38	94.61	4.143	4.143	-----	89.27	-----	4.023
11.97	16.49	94.66	4.546	4.546	-----	89.29	-----	4.399
12.00	19.23	94.73	5.030	5.030	-----	89.32	-----	4.877
12.03	22.64	94.81	5.637	5.637	-----	89.35	-----	5.451
12.07	26.51	94.90	6.385	6.385	-----	89.38	-----	6.155
12.10	30.64	95.00	7.298	7.298	-----	89.43	-----	7.050
12.13	34.89	95.06	8.084	8.084	-----	89.47	-----	7.901
12.17	39.19	95.13	8.734	8.734	-----	89.50	-----	8.575
12.20	43.43	95.21	9.494	9.494	-----	89.53	-----	9.318
12.23	47.40	95.30	10.35	10.35	-----	89.56	-----	10.16
12.27	50.87	95.39	11.31	11.31	-----	89.60	-----	11.09
12.30	53.77	95.49	12.34	12.34	-----	89.63	-----	12.14
12.33	56.17	95.59	13.45	13.45	-----	89.67	-----	13.23
12.37	58.15	95.69	14.62	14.62	-----	89.71	-----	14.40
12.40	59.71	95.79	15.84	15.84	-----	89.75	-----	15.62
12.43	60.80	95.89	17.10	17.10	-----	89.79	-----	16.86
12.47	61.44	95.99	18.37	18.37	-----	89.83	-----	18.16
12.50	61.71 <<	96.07	19.55	19.55	-----	89.87	-----	19.36
12.53	61.65	96.15	20.58	20.58	-----	89.90	-----	20.42
12.57	61.30	96.22	21.59	21.59	-----	89.93	-----	21.44
12.60	60.68	96.29	22.59	22.59	-----	89.95	-----	22.43

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
12.63	59.84	96.36	23.55	23.55	-----	89.98	-----	23.40
12.67	58.80	96.42	24.47	24.47	-----	90.01	-----	24.27
12.70	57.59	96.49	25.36	25.36	-----	90.02	-----	25.02
12.73	56.24	96.54	26.19	26.19	-----	90.05	-----	25.89
12.77	54.79	96.59	26.98	26.98	-----	90.07	-----	26.69
12.80	53.26	96.64	27.71	27.71	-----	90.09	-----	27.45
12.83	51.67	96.68	28.38	28.38	-----	90.11	-----	28.15
12.87	50.03	96.72	29.00	29.00	-----	90.12	-----	28.80
12.90	48.35	96.76	29.56	29.56	-----	90.14	-----	29.37
12.93	46.65	96.79	30.06	30.06	-----	90.15	-----	29.89
12.97	44.92	96.82	30.49	30.49	-----	90.16	-----	30.35
13.00	43.19	96.84	30.88	30.88	-----	90.17	-----	30.75
13.03	41.45	96.86	31.20	31.20	-----	90.18	-----	31.09
13.07	39.71	96.88	31.46	31.46	-----	90.18	-----	31.38
13.10	37.99	96.89	31.67	31.67	-----	90.19	-----	31.60
13.13	36.30	96.90	31.83	31.83	-----	90.19	-----	31.78
13.17	34.69	96.90	31.93	31.93	-----	90.20	-----	31.90
13.20	33.20	96.90 <<	31.99	31.99	-----	90.20	-----	31.97
13.23	31.85	96.90 <<	32.00 <<	32.00 <<	-----	90.20 <<	-----	32.00 <<
13.27	30.61	96.90	31.95	31.95	-----	90.20	-----	31.97
13.30	29.44	96.90	31.89	31.89	-----	90.20	-----	31.91
13.33	28.32	96.89	31.81	31.81	-----	90.19	-----	31.84
13.37	27.26	96.88	31.70	31.70	-----	90.19	-----	31.74
13.40	26.24	96.87	31.56	31.56	-----	90.19	-----	31.61
13.43	25.28	96.86	31.40	31.40	-----	90.19	-----	31.45
13.47	24.36	96.85	31.21	31.21	-----	90.18	-----	31.28
13.50	23.48	96.83	31.01	31.01	-----	90.18	-----	31.08
13.53	22.64	96.82	30.79	30.79	-----	90.17	-----	30.86
13.57	21.83	96.80	30.55	30.55	-----	90.17	-----	30.63
13.60	21.06	96.78	30.29	30.29	-----	90.16	-----	30.38
13.63	20.31	96.76	30.03	30.03	-----	90.15	-----	30.12
13.67	19.59	96.75	29.75	29.75	-----	90.15	-----	29.84
13.70	18.89	96.73	29.46	29.46	-----	90.14	-----	29.55
13.73	18.22	96.71	29.16	29.16	-----	90.13	-----	29.26
13.77	17.58	96.68	28.85	28.85	-----	90.13	-----	28.95
13.80	17.00	96.66	28.53	28.53	-----	90.12	-----	28.64
13.83	16.47	96.64	28.21	28.21	-----	90.11	-----	28.32
13.87	15.99	96.62	27.88	27.88	-----	90.10	-----	27.99
13.90	15.54	96.60	27.56	27.56	-----	90.09	-----	27.68
13.93	15.12	96.57	27.23	27.23	-----	90.09	-----	27.35
13.97	14.74	96.55	26.90	26.90	-----	90.08	-----	27.02
14.00	14.39	96.53	26.57	26.57	-----	90.07	-----	26.69
14.03	14.08	96.51	26.24	26.24	-----	90.06	-----	26.36
14.07	13.79	96.48	25.91	25.91	-----	90.05	-----	26.03
14.10	13.53	96.46	25.59	25.59	-----	90.04	-----	25.71
14.13	13.28	96.44	25.27	25.27	-----	90.03	-----	25.38
14.17	13.05	96.42	24.95	24.95	-----	90.03	-----	25.07
14.20	12.84	96.39	24.64	24.64	-----	90.02	-----	24.75
14.23	12.65	96.37	24.33	24.33	-----	90.01	-----	24.44
14.27	12.46	96.35	24.02	24.02	-----	90.00	-----	24.13
14.30	12.29	96.33	23.72	23.72	-----	89.99	-----	23.76
14.33	12.13	96.31	23.43	23.43	-----	89.98	-----	23.48
14.37	11.97	96.29	23.13	23.13	-----	89.98	-----	23.18
14.40	11.82	96.27	22.85	22.85	-----	89.97	-----	22.89
14.43	11.68	96.25	22.57	22.57	-----	89.96	-----	22.61

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
14.47	11.54	96.23	22.29	22.29	-----	89.95	-----	22.33
14.50	11.41	96.21	22.02	22.02	-----	89.94	-----	22.06
14.53	11.29	96.19	21.75	21.75	-----	89.94	-----	21.79
14.57	11.16	96.17	21.49	21.49	-----	89.93	-----	21.53
14.60	11.05	96.15	21.23	21.23	-----	89.92	-----	21.27
14.63	10.93	96.13	20.97	20.97	-----	89.92	-----	21.01
14.67	10.82	96.11	20.72	20.72	-----	89.91	-----	20.76
14.70	10.72	96.09	20.48	20.48	-----	89.90	-----	20.52
14.73	10.61	96.07	20.24	20.24	-----	89.89	-----	20.28
14.77	10.51	96.06	20.00	20.00	-----	89.89	-----	20.04
14.80	10.41	96.04	19.77	19.77	-----	89.88	-----	19.81
14.83	10.32	96.02	19.54	19.54	-----	89.87	-----	19.58
14.87	10.22	96.00	19.30	19.30	-----	89.87	-----	19.34
14.90	10.13	95.98	19.06	19.06	-----	89.86	-----	19.10
14.93	10.04	95.96	18.81	18.81	-----	89.85	-----	18.86
14.97	9.946	95.94	18.56	18.56	-----	89.85	-----	18.60
15.00	9.857	95.92	18.31	18.31	-----	89.84	-----	18.35
15.03	9.770	95.91	18.06	18.06	-----	89.83	-----	18.10
15.07	9.683	95.89	17.82	17.82	-----	89.82	-----	17.86
15.10	9.597	95.87	17.58	17.58	-----	89.82	-----	17.62
15.13	9.512	95.85	17.35	17.35	-----	89.81	-----	17.39
15.17	9.428	95.83	17.13	17.13	-----	89.80	-----	17.16
15.20	9.344	95.81	16.91	16.91	-----	89.80	-----	16.95
15.23	9.261	95.80	16.69	16.69	-----	89.79	-----	16.73
15.27	9.178	95.78	16.48	16.48	-----	89.78	-----	16.52
15.30	9.096	95.76	16.27	16.27	-----	89.77	-----	16.31
15.33	9.014	95.75	16.07	16.07	-----	89.77	-----	16.11
15.37	8.932	95.73	15.87	15.87	-----	89.76	-----	15.91
15.40	8.851	95.72	15.68	15.68	-----	89.76	-----	15.71
15.43	8.769	95.70	15.49	15.49	-----	89.75	-----	15.52
15.47	8.689	95.68	15.30	15.30	-----	89.74	-----	15.33
15.50	8.608	95.67	15.12	15.12	-----	89.74	-----	15.15
15.53	8.527	95.66	14.94	14.94	-----	89.73	-----	14.97
15.57	8.447	95.64	14.76	14.76	-----	89.73	-----	14.79
15.60	8.367	95.63	14.59	14.59	-----	89.72	-----	14.62
15.63	8.287	95.61	14.42	14.42	-----	89.71	-----	14.45
15.67	8.206	95.60	14.25	14.25	-----	89.71	-----	14.28
15.70	8.126	95.58	14.09	14.09	-----	89.70	-----	14.12
15.73	8.046	95.57	13.93	13.93	-----	89.70	-----	13.96
15.77	7.966	95.56	13.77	13.77	-----	89.69	-----	13.80
15.80	7.886	95.54	13.62	13.62	-----	89.69	-----	13.65
15.83	7.805	95.53	13.46	13.46	-----	89.68	-----	13.49
15.87	7.724	95.52	13.31	13.31	-----	89.68	-----	13.34
15.90	7.644	95.50	13.16	13.16	-----	89.67	-----	13.19
15.93	7.563	95.49	13.02	13.02	-----	89.67	-----	13.05
15.97	7.482	95.48	12.88	12.88	-----	89.66	-----	12.90
16.00	7.401	95.47	12.73	12.73	-----	89.66	-----	12.76
16.03	7.319	95.46	12.60	12.60	-----	89.65	-----	12.62
16.07	7.238	95.44	12.46	12.46	-----	89.65	-----	12.49
16.10	7.158	95.43	12.32	12.32	-----	89.64	-----	12.35
16.13	7.078	95.42	12.19	12.19	-----	89.64	-----	12.22
16.17	6.999	95.41	12.06	12.06	-----	89.63	-----	12.08
16.20	6.921	95.40	11.93	11.93	-----	89.63	-----	11.95
16.23	6.844	95.38	11.80	11.80	-----	89.62	-----	11.83
16.27	6.769	95.37	11.67	11.67	-----	89.62	-----	11.70

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
16.30	6.696	95.36	11.55	11.55	-----	89.61	-----	11.58
16.33	6.625	95.35	11.43	11.43	-----	89.61	-----	11.45
16.37	6.556	95.34	11.31	11.31	-----	89.60	-----	11.33
16.40	6.488	95.33	11.19	11.19	-----	89.60	-----	11.21
16.43	6.423	95.32	11.07	11.07	-----	89.60	-----	11.10
16.47	6.359	95.31	10.95	10.95	-----	89.59	-----	10.98
16.50	6.297	95.30	10.84	10.84	-----	89.59	-----	10.87
16.53	6.236	95.29	10.73	10.73	-----	89.58	-----	10.75
16.57	6.178	95.28	10.62	10.62	-----	89.58	-----	10.64
16.60	6.120	95.27	10.51	10.51	-----	89.57	-----	10.53
16.63	6.065	95.26	10.40	10.40	-----	89.57	-----	10.43
16.67	6.011	95.25	10.30	10.30	-----	89.57	-----	10.32
16.70	5.958	95.24	10.19	10.19	-----	89.56	-----	10.22
16.73	5.906	95.23	10.09	10.09	-----	89.56	-----	10.11
16.77	5.856	95.22	9.989	9.989	-----	89.55	-----	10.01
16.80	5.807	95.21	9.889	9.889	-----	89.55	-----	9.911
16.83	5.759	95.20	9.791	9.791	-----	89.55	-----	9.812
16.87	5.712	95.19	9.694	9.694	-----	89.54	-----	9.716
16.90	5.666	95.18	9.600	9.600	-----	89.54	-----	9.621
16.93	5.621	95.17	9.507	9.507	-----	89.53	-----	9.528
16.97	5.577	95.16	9.416	9.416	-----	89.53	-----	9.436
17.00	5.534	95.15	9.326	9.326	-----	89.53	-----	9.346
17.03	5.491	95.14	9.237	9.237	-----	89.52	-----	9.257
17.07	5.449	95.14	9.149	9.149	-----	89.52	-----	9.169
17.10	5.408	95.13	9.063	9.063	-----	89.52	-----	9.082
17.13	5.367	95.12	8.977	8.977	-----	89.51	-----	8.996
17.17	5.327	95.11	8.892	8.892	-----	89.51	-----	8.911
17.20	5.287	95.10	8.809	8.809	-----	89.51	-----	8.827
17.23	5.247	95.09	8.728	8.728	-----	89.50	-----	8.746
17.27	5.208	95.09	8.648	8.648	-----	89.50	-----	8.666
17.30	5.169	95.08	8.570	8.570	-----	89.50	-----	8.590
17.33	5.130	95.07	8.493	8.493	-----	89.49	-----	8.512
17.37	5.091	95.06	8.417	8.417	-----	89.49	-----	8.436
17.40	5.053	95.06	8.342	8.342	-----	89.49	-----	8.361
17.43	5.015	95.05	8.267	8.267	-----	89.48	-----	8.286
17.47	4.977	95.04	8.194	8.194	-----	89.48	-----	8.212
17.50	4.940	95.03	8.121	8.121	-----	89.48	-----	8.140
17.53	4.902	95.03	8.049	8.049	-----	89.47	-----	8.067
17.57	4.865	95.02	7.978	7.978	-----	89.47	-----	7.996
17.60	4.828	95.01	7.908	7.908	-----	89.47	-----	7.926
17.63	4.791	95.00	7.828	7.828	-----	89.46	-----	7.849
17.67	4.754	95.00	7.738	7.738	-----	89.46	-----	7.762
17.70	4.717	94.98	7.638	7.638	-----	89.45	-----	7.664
17.73	4.680	94.97	7.529	7.529	-----	89.45	-----	7.557
17.77	4.643	94.96	7.410	7.410	-----	89.44	-----	7.441
17.80	4.606	94.94	7.293	7.293	-----	89.44	-----	7.323
17.83	4.570	94.93	7.180	7.180	-----	89.43	-----	7.208
17.87	4.533	94.92	7.069	7.069	-----	89.43	-----	7.097
17.90	4.496	94.91	6.962	6.962	-----	89.42	-----	6.989
17.93	4.459	94.90	6.859	6.859	-----	89.42	-----	6.885
17.97	4.422	94.89	6.760	6.760	-----	89.42	-----	6.785
18.00	4.385	94.88	6.664	6.664	-----	89.41	-----	6.688
18.03	4.348	94.87	6.571	6.571	-----	89.41	-----	6.594
18.07	4.312	94.86	6.481	6.481	-----	89.40	-----	6.504
18.10	4.275	94.85	6.393	6.393	-----	89.40	-----	6.417

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Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
18.13	4.239	94.84	6.307	6.307	-----	89.39	-----	6.333
18.17	4.204	94.83	6.223	6.223	-----	89.39	-----	6.248
18.20	4.169	94.82	6.141	6.141	-----	89.39	-----	6.166
18.23	4.135	94.81	6.062	6.062	-----	89.38	-----	6.085
18.27	4.102	94.80	5.984	5.984	-----	89.38	-----	6.007
18.30	4.070	94.79	5.909	5.909	-----	89.37	-----	5.931
18.33	4.039	94.79	5.837	5.837	-----	89.37	-----	5.858
18.37	4.009	94.78	5.767	5.767	-----	89.37	-----	5.788
18.40	3.980	94.77	5.699	5.699	-----	89.36	-----	5.719
18.43	3.952	94.76	5.633	5.633	-----	89.36	-----	5.652
18.47	3.926	94.76	5.568	5.568	-----	89.35	-----	5.587
18.50	3.900	94.75	5.505	5.505	-----	89.35	-----	5.523
18.53	3.875	94.74	5.443	5.443	-----	89.35	-----	5.461
18.57	3.851	94.73	5.382	5.382	-----	89.35	-----	5.400
18.60	3.828	94.73	5.323	5.323	-----	89.34	-----	5.341
18.63	3.806	94.72	5.266	5.266	-----	89.34	-----	5.282
18.67	3.785	94.71	5.209	5.209	-----	89.34	-----	5.226
18.70	3.765	94.71	5.154	5.154	-----	89.33	-----	5.171
18.73	3.745	94.70	5.102	5.102	-----	89.33	-----	5.117
18.77	3.726	94.70	5.050	5.050	-----	89.33	-----	5.065
18.80	3.708	94.69	5.001	5.001	-----	89.32	-----	5.016
18.83	3.690	94.68	4.953	4.953	-----	89.32	-----	4.967
18.87	3.673	94.68	4.907	4.907	-----	89.32	-----	4.921
18.90	3.656	94.67	4.862	4.862	-----	89.32	-----	4.875
18.93	3.640	94.67	4.818	4.818	-----	89.32	-----	4.831
18.97	3.625	94.66	4.775	4.775	-----	89.31	-----	4.788
19.00	3.610	94.66	4.733	4.733	-----	89.31	-----	4.745
19.03	3.595	94.65	4.692	4.692	-----	89.31	-----	4.704
19.07	3.581	94.65	4.652	4.652	-----	89.31	-----	4.664
19.10	3.567	94.64	4.613	4.613	-----	89.30	-----	4.624
19.13	3.554	94.64	4.575	4.575	-----	89.30	-----	4.586
19.17	3.540	94.63	4.537	4.537	-----	89.30	-----	4.548
19.20	3.527	94.63	4.501	4.501	-----	89.30	-----	4.514
19.23	3.515	94.62	4.466	4.466	-----	89.30	-----	4.478
19.27	3.502	94.62	4.431	4.431	-----	89.29	-----	4.443
19.30	3.489	94.62	4.397	4.397	-----	89.29	-----	4.409
19.33	3.477	94.61	4.364	4.364	-----	89.29	-----	4.375
19.37	3.465	94.61	4.331	4.331	-----	89.29	-----	4.343
19.40	3.453	94.60	4.300	4.300	-----	89.29	-----	4.311
19.43	3.441	94.60	4.269	4.269	-----	89.28	-----	4.280
19.47	3.430	94.60	4.240	4.240	-----	89.28	-----	4.250
19.50	3.418	94.59	4.211	4.211	-----	89.28	-----	4.221
19.53	3.407	94.59	4.184	4.184	-----	89.28	-----	4.194
19.57	3.395	94.59	4.157	4.157	-----	89.28	-----	4.167
19.60	3.384	94.58	4.131	4.131	-----	89.27	-----	4.140
19.63	3.373	94.58	4.105	4.105	-----	89.27	-----	4.114
19.67	3.362	94.58	4.080	4.080	-----	89.27	-----	4.089
19.70	3.351	94.57	4.055	4.055	-----	89.27	-----	4.064
19.73	3.340	94.57	4.031	4.031	-----	89.27	-----	4.040
19.77	3.328	94.57	4.007	4.007	-----	89.27	-----	4.016
19.80	3.318	94.56	3.984	3.984	-----	89.27	-----	3.992
19.83	3.307	94.56	3.961	3.961	-----	89.26	-----	3.969
19.87	3.296	94.56	3.938	3.938	-----	89.26	-----	3.946
19.90	3.285	94.55	3.916	3.916	-----	89.26	-----	3.924
19.93	3.274	94.55	3.895	3.895	-----	89.26	-----	3.902

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
19.97	3.263	94.55	3.873	3.873	-----	89.26	-----	3.881
20.00	3.252	94.55	3.852	3.852	-----	89.26	-----	3.860
20.03	3.241	94.54	3.831	3.831	-----	89.26	-----	3.839
20.07	3.230	94.54	3.811	3.811	-----	89.25	-----	3.818
20.10	3.219	94.54	3.791	3.791	-----	89.25	-----	3.798
20.13	3.208	94.54	3.771	3.771	-----	89.25	-----	3.778
20.17	3.197	94.53	3.752	3.752	-----	89.25	-----	3.759
20.20	3.186	94.53	3.733	3.733	-----	89.25	-----	3.739
20.23	3.175	94.53	3.714	3.714	-----	89.25	-----	3.720
20.27	3.163	94.53	3.695	3.695	-----	89.25	-----	3.702
20.30	3.152	94.52	3.677	3.677	-----	89.25	-----	3.683
20.33	3.141	94.52	3.659	3.659	-----	89.24	-----	3.665
20.37	3.130	94.52	3.641	3.641	-----	89.24	-----	3.647
20.40	3.119	94.52	3.623	3.623	-----	89.24	-----	3.629
20.43	3.108	94.51	3.606	3.606	-----	89.24	-----	3.612
20.47	3.097	94.51	3.589	3.589	-----	89.24	-----	3.595
20.50	3.086	94.51	3.572	3.572	-----	89.24	-----	3.578
20.53	3.075	94.51	3.555	3.555	-----	89.24	-----	3.561
20.57	3.064	94.51	3.538	3.538	-----	89.24	-----	3.544
20.60	3.053	94.50	3.522	3.522	-----	89.24	-----	3.528
20.63	3.041	94.50	3.506	3.506	-----	89.23	-----	3.512
20.67	3.030	94.50	3.490	3.490	-----	89.23	-----	3.496
20.70	3.019	94.50	3.475	3.475	-----	89.23	-----	3.480
20.73	3.008	94.50	3.460	3.460	-----	89.23	-----	3.465
20.77	2.997	94.49	3.445	3.445	-----	89.23	-----	3.450
20.80	2.986	94.49	3.431	3.431	-----	89.23	-----	3.436
20.83	2.975	94.49	3.416	3.416	-----	89.23	-----	3.422
20.87	2.963	94.49	3.402	3.402	-----	89.23	-----	3.407
20.90	2.952	94.49	3.388	3.388	-----	89.23	-----	3.393
20.93	2.941	94.48	3.374	3.374	-----	89.23	-----	3.379
20.97	2.930	94.48	3.360	3.360	-----	89.23	-----	3.365
21.00	2.919	94.48	3.346	3.346	-----	89.22	-----	3.351
21.03	2.907	94.48	3.332	3.332	-----	89.22	-----	3.337
21.07	2.896	94.48	3.319	3.319	-----	89.22	-----	3.323
21.10	2.885	94.47	3.305	3.305	-----	89.22	-----	3.310
21.13	2.874	94.47	3.291	3.291	-----	89.22	-----	3.296
21.17	2.862	94.47	3.278	3.278	-----	89.22	-----	3.283
21.20	2.851	94.47	3.264	3.264	-----	89.22	-----	3.269
21.23	2.840	94.47	3.251	3.251	-----	89.22	-----	3.256
21.27	2.829	94.46	3.238	3.238	-----	89.22	-----	3.243
21.30	2.817	94.46	3.225	3.225	-----	89.22	-----	3.229
21.33	2.806	94.46	3.211	3.211	-----	89.22	-----	3.216
21.37	2.795	94.46	3.198	3.198	-----	89.22	-----	3.203
21.40	2.784	94.46	3.185	3.185	-----	89.21	-----	3.190
21.43	2.772	94.45	3.172	3.172	-----	89.21	-----	3.177
21.47	2.761	94.45	3.159	3.159	-----	89.21	-----	3.164
21.50	2.750	94.45	3.147	3.147	-----	89.21	-----	3.151
21.53	2.738	94.45	3.134	3.134	-----	89.21	-----	3.138
21.57	2.727	94.45	3.121	3.121	-----	89.21	-----	3.125
21.60	2.716	94.45	3.108	3.108	-----	89.21	-----	3.113
21.63	2.704	94.44	3.096	3.096	-----	89.21	-----	3.100
21.67	2.693	94.44	3.083	3.083	-----	89.21	-----	3.087
21.70	2.682	94.44	3.070	3.070	-----	89.21	-----	3.075
21.73	2.670	94.44	3.058	3.058	-----	89.21	-----	3.062
21.77	2.659	94.44	3.045	3.045	-----	89.21	-----	3.050

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------->| Outflow cfs
21.80	2.648	94.44	3.033	3.033	-----	89.21	-----	3.037
21.83	2.636	94.43	3.020	3.020	-----	89.20	-----	3.025
21.87	2.625	94.43	3.008	3.008	-----	89.20	-----	3.012
21.90	2.613	94.43	2.995	2.995	-----	89.20	-----	3.000
21.93	2.602	94.43	2.983	2.983	-----	89.20	-----	2.987
21.97	2.591	94.43	2.971	2.971	-----	89.20	-----	2.975
22.00	2.579	94.42	2.959	2.959	-----	89.20	-----	2.963
22.03	2.595	94.42	2.947	2.947	-----	89.20	-----	2.952
22.07	2.611	94.42	2.937	2.937	-----	89.20	-----	2.941
22.10	2.628	94.42	2.926	2.926	-----	89.20	-----	2.931
22.13	2.646	94.42	2.917	2.917	-----	89.20	-----	2.921
22.17	2.665	94.42	2.909	2.909	-----	89.20	-----	2.913
22.20	2.685	94.42	2.901	2.901	-----	89.20	-----	2.905
22.23	2.706	94.42	2.895	2.895	-----	89.20	-----	2.898
22.27	2.727	94.42	2.889	2.889	-----	89.19	-----	2.892
22.30	2.726	94.41	2.883	2.883	-----	89.19	-----	2.886
22.33	2.726	94.41	2.878	2.878	-----	89.19	-----	2.881
22.37	2.725	94.41	2.874	2.874	-----	89.19	-----	2.876
22.40	2.725	94.41	2.869	2.869	-----	89.19	-----	2.871
22.43	2.718	94.41	2.864	2.864	-----	89.19	-----	2.866
22.47	2.707	94.41	2.859	2.859	-----	89.19	-----	2.861
22.50	2.696	94.41	2.854	2.854	-----	89.19	-----	2.856
22.53	2.685	94.41	2.849	2.849	-----	89.19	-----	2.851
22.57	2.674	94.41	2.843	2.843	-----	89.19	-----	2.846
22.60	2.663	94.41	2.838	2.838	-----	89.19	-----	2.840
22.63	2.651	94.41	2.832	2.832	-----	89.19	-----	2.835
22.67	2.640	94.41	2.826	2.826	-----	89.19	-----	2.829
22.70	2.628	94.41	2.820	2.820	-----	89.19	-----	2.823
22.73	2.616	94.40	2.814	2.814	-----	89.19	-----	2.816
22.77	2.604	94.40	2.807	2.807	-----	89.19	-----	2.810
22.80	2.592	94.40	2.800	2.800	-----	89.19	-----	2.803
22.83	2.579	94.40	2.794	2.794	-----	89.19	-----	2.797
22.87	2.566	94.40	2.787	2.787	-----	89.19	-----	2.790
22.90	2.554	94.40	2.780	2.780	-----	89.19	-----	2.783
22.93	2.541	94.40	2.772	2.772	-----	89.19	-----	2.776
22.97	2.527	94.40	2.765	2.765	-----	89.18	-----	2.768
23.00	2.514	94.40	2.758	2.758	-----	89.18	-----	2.761
23.03	2.500	94.40	2.751	2.751	-----	89.18	-----	2.754
23.07	2.486	94.39	2.743	2.743	-----	89.18	-----	2.746
23.10	2.472	94.39	2.735	2.735	-----	89.18	-----	2.739
23.13	2.458	94.39	2.727	2.727	-----	89.18	-----	2.731
23.17	2.444	94.39	2.719	2.719	-----	89.18	-----	2.723
23.20	2.429	94.39	2.711	2.711	-----	89.18	-----	2.715
23.23	2.419	94.39	2.703	2.703	-----	89.18	-----	2.706
23.27	2.410	94.39	2.694	2.694	-----	89.18	-----	2.698
23.30	2.400	94.39	2.686	2.686	-----	89.18	-----	2.690
23.33	2.390	94.38	2.677	2.677	-----	89.18	-----	2.681
23.37	2.380	94.38	2.669	2.669	-----	89.18	-----	2.672
23.40	2.370	94.38	2.660	2.660	-----	89.18	-----	2.664
23.43	2.360	94.38	2.651	2.651	-----	89.18	-----	2.655
23.47	2.350	94.38	2.643	2.643	-----	89.17	-----	2.647
23.50	2.340	94.38	2.634	2.634	-----	89.17	-----	2.638
23.53	2.330	94.38	2.625	2.625	-----	89.17	-----	2.629
23.57	2.320	94.37	2.616	2.616	-----	89.17	-----	2.620
23.60	2.309	94.37	2.607	2.607	-----	89.17	-----	2.611

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
23.63	2.299	94.37	2.598	2.598	-----	89.17	-----	2.602
23.67	2.289	94.37	2.590	2.590	-----	89.17	-----	2.594
23.70	2.278	94.37	2.581	2.581	-----	89.17	-----	2.585
23.73	2.267	94.37	2.571	2.571	-----	89.17	-----	2.576
23.77	2.257	94.37	2.562	2.562	-----	89.17	-----	2.566
23.80	2.246	94.37	2.553	2.553	-----	89.17	-----	2.557
23.83	2.237	94.36	2.544	2.544	-----	89.17	-----	2.548
23.87	2.227	94.36	2.535	2.535	-----	89.17	-----	2.539
23.90	2.218	94.36	2.526	2.526	-----	89.17	-----	2.530
23.93	2.208	94.36	2.517	2.517	-----	89.16	-----	2.521
23.97	2.199	94.36	2.507	2.507	-----	89.16	-----	2.512
24.00	2.190	94.36	2.498	2.498	-----	89.16	-----	2.502
24.03	2.172	94.36	2.488	2.488	-----	89.16	-----	2.493
24.07	2.143	94.35	2.478	2.478	-----	89.16	-----	2.483
24.10	2.105	94.35	2.468	2.468	-----	89.16	-----	2.473
24.13	2.058	94.35	2.456	2.456	-----	89.16	-----	2.461
24.17	2.000	94.35	2.443	2.443	-----	89.16	-----	2.449
24.20	1.933	94.35	2.429	2.429	-----	89.16	-----	2.436
24.23	1.857	94.34	2.413	2.413	-----	89.16	-----	2.420
24.27	1.770	94.34	2.395	2.395	-----	89.16	-----	2.403
24.30	1.683	94.34	2.376	2.376	-----	89.15	-----	2.385
24.33	1.596	94.33	2.354	2.354	-----	89.15	-----	2.364
24.37	1.508	94.33	2.330	2.330	-----	89.15	-----	2.341
24.40	1.419	94.33	2.305	2.305	-----	89.15	-----	2.316
24.43	1.331	94.32	2.278	2.278	-----	89.15	-----	2.290
24.47	1.247	94.32	2.249	2.249	-----	89.14	-----	2.262
24.50	1.166	94.31	2.218	2.218	-----	89.14	-----	2.232
24.53	1.088	94.31	2.186	2.186	-----	89.14	-----	2.201
24.57	1.013	94.30	2.154	2.154	-----	89.14	-----	2.168
24.60	0.942	94.30	2.121	2.121	-----	89.13	-----	2.136
24.63	0.873	94.29	2.087	2.087	-----	89.13	-----	2.102
24.67	0.807	94.29	2.053	2.053	-----	89.13	-----	2.069
24.70	0.745	94.28	2.019	2.019	-----	89.13	-----	2.035
24.73	0.686	94.27	1.985	1.985	-----	89.12	-----	2.000
24.77	0.629	94.27	1.949	1.949	-----	89.12	-----	1.965
24.80	0.576	94.26	1.914	1.914	-----	89.12	-----	1.930
24.83	0.526	94.26	1.877	1.877	-----	89.11	-----	1.894
24.87	0.478	94.25	1.841	1.841	-----	89.11	-----	1.857
24.90	0.434	94.24	1.804	1.804	-----	89.11	-----	1.821
24.93	0.393	94.24	1.767	1.767	-----	89.11	-----	1.784
24.97	0.355	94.23	1.730	1.730	-----	89.10	-----	1.747
25.00	0.319	94.22	1.693	1.693	-----	89.10	-----	1.710
25.03	0.287	94.22	1.656	1.656	-----	89.10	-----	1.678
25.07	0.257	94.21	1.619	1.619	-----	89.09	-----	1.641
25.10	0.231	94.21	1.583	1.583	-----	89.09	-----	1.605
25.13	0.207	94.20	1.548	1.548	-----	89.08	-----	1.569
25.17	0.186	94.19	1.514	1.514	-----	89.08	-----	1.535
25.20	0.169	94.19	1.481	1.481	-----	89.08	-----	1.501
25.23	0.152	94.18	1.450	1.450	-----	89.07	-----	1.469
25.27	0.136	94.18	1.419	1.419	-----	89.07	-----	1.438
25.30	0.121	94.17	1.388	1.388	-----	89.07	-----	1.407
25.33	0.107	94.16	1.358	1.358	-----	89.06	-----	1.377
25.37	0.093	94.16	1.329	1.329	-----	89.06	-----	1.347
25.40	0.081	94.15	1.299	1.299	-----	89.06	-----	1.317
25.43	0.070	94.15	1.270	1.270	-----	89.05	-----	1.288

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EXIST ROUTED FLOW

Hydrograph Discharge Table

	|<-----	Upper Pond	-----\>|	|<---------		Lower Pond		---------\>|
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
25.47	0.059	94.14	1.242	1.242	-----	89.05	-----	1.259
25.50	0.050	94.14	1.214	1.214	-----	89.05	-----	1.231
25.53	0.041	94.13	1.186	1.186	-----	89.04	-----	1.203
25.57	0.033	94.13	1.159	1.159	-----	89.04	-----	1.176
25.60	0.026	94.12	1.133	1.133	-----	89.04	-----	1.149
25.63	0.020	94.12	1.106	1.106	-----	89.04	-----	1.122
25.67	0.015	94.11	1.081	1.081	-----	89.03	-----	1.096
25.70	0.011	94.11	1.056	1.056	-----	89.03	-----	1.071
25.73	0.007	94.10	1.032	1.032	-----	89.03	-----	1.046
25.77	0.005	94.10	1.009	1.009	-----	89.02	-----	1.023
25.80	0.003	94.09	0.987	0.987	-----	89.02	-----	1.000
25.83	0.002	94.09	0.967	0.967	-----	89.02	-----	0.979
25.87	0.001	94.08	0.947	0.947	-----	89.02	-----	0.959
25.90	0.000	94.08	0.928	0.928	-----	89.02	-----	0.940
25.93	0.000	94.08	0.910	0.910	-----	89.01	-----	0.921
25.97	0.000	94.07	0.891	0.891	-----	89.01	-----	0.902
26.00	0.000	94.07	0.873	0.873	-----	89.01	-----	0.884
26.03	0.000	94.06	0.856	0.856	-----	89.01	-----	0.867
26.07	0.000	94.06	0.839	0.839	-----	89.01	-----	0.849
26.10	0.000	94.06	0.822	0.822	-----	89.00	-----	0.832
26.13	0.000	94.05	0.805	0.805	-----	89.00	-----	0.815
26.17	0.000	94.05	0.789	0.789	-----	89.00	-----	0.799
26.20	0.000	94.05	0.773	0.773	-----	89.00	-----	0.777
26.23	0.000	94.04	0.758	0.758	-----	89.00	-----	0.761
26.27	0.000	94.04	0.743	0.743	-----	88.99	-----	0.746
26.30	0.000	94.04	0.728	0.728	-----	88.99	-----	0.730
26.33	0.000	94.03	0.713	0.713	-----	88.99	-----	0.716
26.37	0.000	94.03	0.699	0.699	-----	88.99	-----	0.701
26.40	0.000	94.03	0.685	0.685	-----	88.98	-----	0.687
26.43	0.000	94.02	0.671	0.671	-----	88.98	-----	0.674
26.47	0.000	94.02	0.657	0.657	-----	88.98	-----	0.660
26.50	0.000	94.02	0.644	0.644	-----	88.98	-----	0.647
26.53	0.000	94.01	0.631	0.631	-----	88.98	-----	0.634
26.57	0.000	94.01	0.619	0.619	-----	88.98	-----	0.621
26.60	0.000	94.01	0.606	0.606	-----	88.97	-----	0.609
26.63	0.000	94.01	0.594	0.594	-----	88.97	-----	0.596
26.67	0.000	94.00	0.580	0.580	-----	88.97	-----	0.583
26.70	0.000	94.00	0.555	0.555	-----	88.97	-----	0.561
26.73	0.000	93.99	0.521	0.521	-----	88.96	-----	0.529
26.77	0.000	93.97	0.480	0.480	-----	88.96	-----	0.490
26.80	0.000	93.96	0.434	0.434	-----	88.95	-----	0.446
26.83	0.000	93.94	0.385	0.385	-----	88.94	-----	0.397
26.87	0.000	93.93	0.343	0.343	-----	88.93	-----	0.354

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Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.2

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph description
1	SCS Runoff	45.42	2	744	299,806	----	------	------	AREA #2
2	SCS Runoff	30.57	2	754	255,275	----	------	------	AREA #5
3	SCS Runoff	16.49	2	762	153,751	----	------	------	AREA #3
4	SCS Runoff	12.46	2	748	85,664	----	------	------	AREA #6
5	Combine	102.90	2	750	794,495	1, 2, 3, 4	------	------	TOAL EX- FLOW TO DITCH
6	Reservoir(i)	52.83	2	792	794,492	5	98.14	233,854	EXIST ROUTED FLOW

Hydrograph Report

Hyd. No. 1

AREA #2

Hydrograph type	= SCS Runoff	Peak discharge	= 45.42 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.40 hrs
Time interval	= 2 min	Hyd. volume	= 299,806 cuft
Drainage area	= 17.170 ac	Curve number	= 71*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.9 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(11.550 x 70) + (2.588 x 55) + (0.310 x 77) + (0.010 x 70) + (1.260 x 85) + (1.450 x 98)] / 17.170

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
8.90	0.474	10.17	1.641	11.43	4.645	12.70	37.48
8.93	0.495	10.20	1.683	11.47	4.820	12.73	35.90
8.97	0.517	10.23	1.726	11.50	5.006	12.77	34.29
9.00	0.540	10.27	1.771	11.53	5.206	12.80	32.66
9.03	0.563	10.30	1.818	11.57	5.436	12.83	31.01
9.07	0.586	10.33	1.866	11.60	5.709	12.87	29.36
9.10	0.611	10.37	1.915	11.63	6.040	12.90	27.71
9.13	0.635	10.40	1.967	11.67	6.443	12.93	26.07
9.17	0.660	10.43	2.019	11.70	6.935	12.97	24.44
9.20	0.686	10.47	2.074	11.73	7.534	13.00	22.83
9.23	0.712	10.50	2.129	11.77	8.256	13.03	21.24
9.27	0.738	10.53	2.187	11.80	9.112	13.07	19.69
9.30	0.765	10.57	2.246	11.83	10.11	13.10	18.19
9.33	0.793	10.60	2.306	11.87	11.24	13.13	16.76
9.37	0.821	10.63	2.368	11.90	12.51	13.17	15.46
9.40	0.849	10.67	2.431	11.93	14.00	13.20	14.34
9.43	0.878	10.70	2.496	11.97	15.85	13.23	13.41
9.47	0.908	10.73	2.562	12.00	18.22	13.27	12.63
9.50	0.938	10.77	2.630	12.03	21.12	13.30	11.96
9.53	0.968	10.80	2.699	12.07	24.36	13.33	11.36
9.57	0.999	10.83	2.770	12.10	27.74	13.37	10.83
9.60	1.031	10.87	2.842	12.13	31.14	13.40	10.37
9.63	1.063	10.90	2.916	12.17	34.51	13.43	9.963
9.67	1.095	10.93	2.990	12.20	37.70	13.47	9.613
9.70	1.128	10.97	3.066	12.23	40.47	13.50	9.311
9.73	1.161	11.00	3.144	12.27	42.57	13.53	9.051
9.77	1.195	11.03	3.223	12.30	43.94	13.57	8.826
9.80	1.229	11.07	3.305	12.33	44.75	13.60	8.631
9.83	1.264	11.10	3.390	12.37	45.21	13.63	8.459
9.87	1.299	11.13	3.480	12.40	45.42 <<	13.67	8.305
9.90	1.335	11.17	3.576	12.43	45.38	13.70	8.160
9.93	1.371	11.20	3.678	12.47	45.09	13.73	8.023
9.97	1.408	11.23	3.788	12.50	44.56	13.77	7.892
10.00	1.445	11.27	3.907	12.53	43.80	13.80	7.768
10.03	1.483	11.30	4.036	12.57	42.84	13.83	7.649
10.07	1.521	11.33	4.174	12.60	41.70	13.87	7.535
10.10	1.560	11.37	4.321	12.63	40.41	13.90	7.426
10.13	1.600	11.40	4.478	12.67	38.99	13.93	7.321

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AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
13.97	7.219	15.80	4.080	17.63	2.474	19.47	1.791
14.00	7.121	15.83	4.035	17.67	2.454	19.50	1.785
14.03	7.026	15.87	3.990	17.70	2.434	19.53	1.779
14.07	6.933	15.90	3.944	17.73	2.414	19.57	1.773
14.10	6.842	15.93	3.899	17.77	2.394	19.60	1.767
14.13	6.754	15.97	3.854	17.80	2.374	19.63	1.761
14.17	6.668	16.00	3.809	17.83	2.354	19.67	1.755
14.20	6.584	16.03	3.763	17.87	2.334	19.70	1.749
14.23	6.502	16.07	3.718	17.90	2.314	19.73	1.743
14.27	6.422	16.10	3.674	17.93	2.294	19.77	1.737
14.30	6.345	16.13	3.630	17.97	2.274	19.80	1.731
14.33	6.271	16.17	3.587	18.00	2.254	19.83	1.725
14.37	6.198	16.20	3.544	18.03	2.233	19.87	1.719
14.40	6.128	16.23	3.503	18.07	2.214	19.90	1.713
14.43	6.061	16.27	3.463	18.10	2.194	19.93	1.707
14.47	5.995	16.30	3.425	18.13	2.174	19.97	1.701
14.50	5.931	16.33	3.388	18.17	2.156	20.00	1.695
14.53	5.869	16.37	3.352	18.20	2.137	20.03	1.689
14.57	5.809	16.40	3.318	18.23	2.119	20.07	1.683
14.60	5.750	16.43	3.285	18.27	2.102	20.10	1.677
14.63	5.694	16.47	3.253	18.30	2.086	20.13	1.671
14.67	5.638	16.50	3.222	18.33	2.071	20.17	1.665
14.70	5.584	16.53	3.192	18.37	2.056	20.20	1.659
14.73	5.532	16.57	3.163	18.40	2.042	20.23	1.653
14.77	5.481	16.60	3.135	18.43	2.029	20.27	1.647
14.80	5.430	16.63	3.107	18.47	2.016	20.30	1.641
14.83	5.381	16.67	3.081	18.50	2.004	20.33	1.635
14.87	5.333	16.70	3.056	18.53	1.992	20.37	1.629
14.90	5.286	16.73	3.031	18.57	1.981	20.40	1.623
14.93	5.239	16.77	3.007	18.60	1.971	20.43	1.617
14.97	5.193	16.80	2.983	18.63	1.961	20.47	1.611
15.00	5.148	16.83	2.961	18.67	1.951	20.50	1.605
15.03	5.103	16.87	2.938	18.70	1.942	20.53	1.599
15.07	5.058	16.90	2.916	18.73	1.933	20.57	1.593
15.10	5.014	16.93	2.895	18.77	1.925	20.60	1.587
15.13	4.970	16.97	2.874	18.80	1.917	20.63	1.581
15.17	4.926	17.00	2.853	18.83	1.909	20.67	1.575
15.20	4.882	17.03	2.833	18.87	1.902	20.70	1.569
15.23	4.838	17.07	2.813	18.90	1.895	20.73	1.562
15.27	4.794	17.10	2.793	18.93	1.888	20.77	1.556
15.30	4.750	17.13	2.773	18.97	1.881	20.80	1.550
15.33	4.705	17.17	2.753	19.00	1.875	20.83	1.544
15.37	4.661	17.20	2.733	19.03	1.869	20.87	1.538
15.40	4.617	17.23	2.713	19.07	1.862	20.90	1.532
15.43	4.572	17.27	2.693	19.10	1.856	20.93	1.526
15.47	4.528	17.30	2.674	19.13	1.850	20.97	1.520
15.50	4.483	17.33	2.654	19.17	1.844	21.00	1.514
15.53	4.439	17.37	2.634	19.20	1.839	21.03	1.508
15.57	4.394	17.40	2.614	19.23	1.833	21.07	1.502
15.60	4.349	17.43	2.594	19.27	1.827	21.10	1.496
15.63	4.304	17.47	2.574	19.30	1.821	21.13	1.490
15.67	4.260	17.50	2.554	19.33	1.815	21.17	1.484
15.70	4.215	17.53	2.534	19.37	1.809	21.20	1.478
15.73	4.170	17.57	2.514	19.40	1.803	21.23	1.472
15.77	4.125	17.60	2.494	19.43	1.797	21.27	1.465

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AREA #2

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
21.30	1.459	23.13	1.258
21.33	1.453	23.17	1.248
21.37	1.447	23.20	1.238
21.40	1.441	23.23	1.234
21.43	1.435	23.27	1.229
21.47	1.429	23.30	1.224
21.50	1.423	23.33	1.220
21.53	1.417	23.37	1.215
21.57	1.411	23.40	1.211
21.60	1.405	23.43	1.206
21.63	1.399	23.47	1.201
21.67	1.392	23.50	1.197
21.70	1.386	23.53	1.192
21.73	1.380	23.57	1.188
21.77	1.374	23.60	1.183
21.80	1.368	23.63	1.178
21.83	1.362	23.67	1.174
21.87	1.356	23.70	1.169
21.90	1.350	23.73	1.165
21.93	1.344	23.77	1.160
21.97	1.337	23.80	1.155
22.00	1.331	23.83	1.151
22.03	1.345	23.87	1.146
22.07	1.360	23.90	1.142
22.10	1.375	23.93	1.137
22.13	1.391	23.97	1.132
22.17	1.408	24.00	1.128
22.20	1.425	24.03	1.116
22.23	1.444	24.07	1.097
22.27	1.462	24.10	1.070
22.30	1.456	24.13	1.036
22.33	1.450	24.17	0.995
22.37	1.443	24.20	0.947
22.40	1.437	24.23	0.891
22.43	1.430	24.27	0.829
22.47	1.423	24.30	0.768
22.50	1.417	24.33	0.710
22.53	1.410	24.37	0.655
22.57	1.402	24.40	0.602
22.60	1.395	24.43	0.551
22.63	1.388	24.47	0.502
22.67	1.380	24.50	0.456
22.70	1.372		
22.73	1.365	*...End*	
22.77	1.357		
22.80	1.348		
22.83	1.340		
22.87	1.332		
22.90	1.323		
22.93	1.314		
22.97	1.305		
23.00	1.296		
23.03	1.287		
23.07	1.278		
23.10	1.268		

Hydrograph Report

Hyd. No. 2

AREA #5

Hydrograph type	= SCS Runoff	Peak discharge	= 30.57 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.57 hrs
Time interval	= 2 min	Hyd. volume	= 255,275 cuft
Drainage area	= 13.320 ac	Curve number	= 75*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 38.0 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.167 x 70) + (1.286 x 55) + (2.250 x 77) + (0.070 x 70) + (2.547 x 98)] / 13.320

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
8.37	0.317	9.63	1.040	10.90	2.477	12.17	18.42
8.40	0.329	9.67	1.067	10.93	2.533	12.20	20.12
8.43	0.341	9.70	1.094	10.97	2.590	12.23	21.80
8.47	0.354	9.73	1.121	11.00	2.649	12.27	23.45
8.50	0.367	9.77	1.149	11.03	2.708	12.30	25.05
8.53	0.381	9.80	1.177	11.07	2.770	12.33	26.55
8.57	0.395	9.83	1.205	11.10	2.833	12.37	27.86
8.60	0.409	9.87	1.234	11.13	2.899	12.40	28.87
8.63	0.424	9.90	1.264	11.17	2.967	12.43	29.58
8.67	0.438	9.93	1.293	11.20	3.039	12.47	30.04
8.70	0.454	9.97	1.323	11.23	3.115	12.50	30.34
8.73	0.469	10.00	1.353	11.27	3.195	12.53	30.51
8.77	0.485	10.03	1.384	11.30	3.279	12.57	30.57 <<
8.80	0.502	10.07	1.415	11.33	3.369	12.60	30.51
8.83	0.519	10.10	1.447	11.37	3.464	12.63	30.36
8.87	0.536	10.13	1.479	11.40	3.566	12.67	30.12
8.90	0.553	10.17	1.512	11.43	3.674	12.70	29.80
8.93	0.571	10.20	1.545	11.47	3.788	12.73	29.41
8.97	0.590	10.23	1.579	11.50	3.908	12.77	28.96
9.00	0.608	10.27	1.614	11.53	4.038	12.80	28.46
9.03	0.627	10.30	1.650	11.57	4.181	12.83	27.91
9.07	0.647	10.33	1.687	11.60	4.345	12.87	27.34
9.10	0.667	10.37	1.724	11.63	4.534	12.90	26.74
9.13	0.687	10.40	1.763	11.67	4.755	12.93	26.13
9.17	0.708	10.43	1.803	11.70	5.014	12.97	25.50
9.20	0.729	10.47	1.844	11.73	5.317	13.00	24.86
9.23	0.751	10.50	1.886	11.77	5.672	13.03	24.21
9.27	0.772	10.53	1.929	11.80	6.084	13.07	23.54
9.30	0.795	10.57	1.974	11.83	6.562	13.10	22.85
9.33	0.818	10.60	2.019	11.87	7.113	13.13	22.16
9.37	0.841	10.63	2.065	11.90	7.745	13.17	21.46
9.40	0.864	10.67	2.113	11.93	8.490	13.20	20.75
9.43	0.888	10.70	2.162	11.97	9.403	13.23	20.03
9.47	0.912	10.73	2.211	12.00	10.55	13.27	19.30
9.50	0.937	10.77	2.262	12.03	11.92	13.30	18.57
9.53	0.962	10.80	2.314	12.07	13.45	13.33	17.84
9.57	0.988	10.83	2.367	12.10	15.07	13.37	17.10
9.60	1.014	10.87	2.422	12.13	16.74	13.40	16.37

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AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
13.43	15.64	15.27	4.177	17.10	2.404	18.93	1.586
13.47	14.92	15.30	4.137	17.13	2.384	18.97	1.578
13.50	14.21	15.33	4.098	17.17	2.364	19.00	1.570
13.53	13.50	15.37	4.059	17.20	2.345	19.03	1.563
13.57	12.81	15.40	4.020	17.23	2.326	19.07	1.555
13.60	12.14	15.43	3.982	17.27	2.308	19.10	1.548
13.63	11.48	15.47	3.944	17.30	2.290	19.13	1.541
13.67	10.84	15.50	3.906	17.33	2.272	19.17	1.535
13.70	10.23	15.53	3.869	17.37	2.254	19.20	1.528
13.73	9.649	15.57	3.832	17.40	2.236	19.23	1.522
13.77	9.119	15.60	3.795	17.43	2.219	19.27	1.516
13.80	8.661	15.63	3.758	17.47	2.202	19.30	1.510
13.83	8.276	15.67	3.722	17.50	2.185	19.33	1.504
13.87	7.948	15.70	3.685	17.53	2.168	19.37	1.498
13.90	7.658	15.73	3.648	17.57	2.152	19.40	1.493
13.93	7.397	15.77	3.612	17.60	2.135	19.43	1.487
13.97	7.161	15.80	3.575	17.63	2.119	19.47	1.482
14.00	6.950	15.83	3.539	17.67	2.102	19.50	1.477
14.03	6.760	15.87	3.502	17.70	2.086	19.53	1.471
14.07	6.590	15.90	3.466	17.73	2.070	19.57	1.466
14.10	6.439	15.93	3.429	17.77	2.054	19.60	1.461
14.13	6.303	15.97	3.392	17.80	2.037	19.63	1.456
14.17	6.180	16.00	3.356	17.83	2.021	19.67	1.451
14.20	6.069	16.03	3.319	17.87	2.005	19.70	1.447
14.23	5.968	16.07	3.282	17.90	1.989	19.73	1.442
14.27	5.873	16.10	3.246	17.93	1.973	19.77	1.437
14.30	5.783	16.13	3.210	17.97	1.956	19.80	1.432
14.33	5.697	16.17	3.174	18.00	1.940	19.83	1.427
14.37	5.615	16.20	3.138	18.03	1.924	19.87	1.422
14.40	5.536	16.23	3.103	18.07	1.908	19.90	1.417
14.43	5.461	16.27	3.068	18.10	1.891	19.93	1.412
14.47	5.389	16.30	3.033	18.13	1.875	19.97	1.408
14.50	5.321	16.33	3.000	18.17	1.860	20.00	1.403
14.53	5.255	16.37	2.967	18.20	1.844	20.03	1.398
14.57	5.191	16.40	2.934	18.23	1.828	20.07	1.393
14.60	5.130	16.43	2.903	18.27	1.813	20.10	1.388
14.63	5.072	16.47	2.872	18.30	1.798	20.13	1.383
14.67	5.015	16.50	2.842	18.33	1.784	20.17	1.378
14.70	4.960	16.53	2.813	18.37	1.770	20.20	1.374
14.73	4.907	16.57	2.784	18.40	1.756	20.23	1.369
14.77	4.855	16.60	2.756	18.43	1.743	20.27	1.364
14.80	4.804	16.63	2.729	18.47	1.730	20.30	1.359
14.83	4.754	16.67	2.702	18.50	1.717	20.33	1.354
14.87	4.705	16.70	2.676	18.53	1.705	20.37	1.349
14.90	4.657	16.73	2.650	18.57	1.693	20.40	1.344
14.93	4.609	16.77	2.625	18.60	1.682	20.43	1.339
14.97	4.563	16.80	2.601	18.63	1.671	20.47	1.334
15.00	4.517	16.83	2.577	18.67	1.660	20.50	1.330
15.03	4.472	16.87	2.554	18.70	1.650	20.53	1.325
15.07	4.428	16.90	2.531	18.73	1.640	20.57	1.320
15.10	4.385	16.93	2.509	18.77	1.630	20.60	1.315
15.13	4.342	16.97	2.487	18.80	1.621	20.63	1.310
15.17	4.300	17.00	2.465	18.83	1.612	20.67	1.305
15.20	4.258	17.03	2.444	18.87	1.603	20.70	1.300
15.23	4.218	17.07	2.424	18.90	1.594	20.73	1.295

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AREA #5

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
20.77	1.290	22.60	1.128	24.43	0.654
20.80	1.286	22.63	1.124	24.47	0.622
20.83	1.281	22.67	1.120	24.50	0.590
20.87	1.276	22.70	1.116	24.53	0.559
20.90	1.271	22.73	1.112	24.57	0.529
20.93	1.266	22.77	1.108	24.60	0.499
20.97	1.261	22.80	1.104	24.63	0.471
21.00	1.256	22.83	1.100	24.67	0.443
21.03	1.251	22.87	1.095	24.70	0.417
21.07	1.246	22.90	1.091	24.73	0.391
21.10	1.241	22.93	1.087	24.77	0.366
21.13	1.237	22.97	1.082	24.80	0.342
21.17	1.232	23.00	1.078	24.83	0.319
21.20	1.227	23.03	1.073		
21.23	1.222	23.07	1.069	*...End*	
21.27	1.217	23.10	1.064		
21.30	1.212	23.13	1.060		
21.33	1.207	23.17	1.055		
21.37	1.202	23.20	1.050		
21.40	1.197	23.23	1.046		
21.43	1.192	23.27	1.041		
21.47	1.187	23.30	1.036		
21.50	1.182	23.33	1.031		
21.53	1.178	23.37	1.026		
21.57	1.173	23.40	1.021		
21.60	1.168	23.43	1.016		
21.63	1.163	23.47	1.011		
21.67	1.158	23.50	1.006		
21.70	1.153	23.53	1.001		
21.73	1.148	23.57	0.996		
21.77	1.143	23.60	0.990		
21.80	1.138	23.63	0.985		
21.83	1.133	23.67	0.979		
21.87	1.128	23.70	0.974		
21.90	1.123	23.73	0.968		
21.93	1.118	23.77	0.963		
21.97	1.113	23.80	0.957		
22.00	1.109	23.83	0.953		
22.03	1.111	23.87	0.950		
22.07	1.113	23.90	0.946		
22.10	1.116	23.93	0.942		
22.13	1.119	23.97	0.938		
22.17	1.122	24.00	0.935		
22.20	1.126	24.03	0.928		
22.23	1.129	24.07	0.919		
22.27	1.133	24.10	0.908		
22.30	1.138	24.13	0.894		
22.33	1.142	24.17	0.877		
22.37	1.147	24.20	0.857		
22.40	1.152	24.23	0.836		
22.43	1.148	24.27	0.811		
22.47	1.144	24.30	0.784		
22.50	1.140	24.33	0.755		
22.53	1.136	24.37	0.723		
22.57	1.132	24.40	0.688		

Hydrograph Report

Hyd. No. 3

AREA #3

Hydrograph type	= SCS Runoff	Peak discharge	= 16.49 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.70 hrs
Time interval	= 2 min	Hyd. volume	= 153,751 cuft
Drainage area	= 14.130 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 40.9 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(13.840 x 55) + (0.290 x 70)] / 14.130

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)	
11.00	0.180	12.27	10.31	13.53	10.16	14.80	3.730
11.03	0.199	12.30	11.27	13.57	9.810	14.83	3.693
11.07	0.220	12.33	12.22	13.60	9.462	14.87	3.657
11.10	0.242	12.37	13.13	13.63	9.114	14.90	3.622
11.13	0.266	12.40	13.96	13.67	8.766	14.93	3.588
11.17	0.291	12.43	14.65	13.70	8.420	14.97	3.554
11.20	0.317	12.47	15.18	13.73	8.076	15.00	3.521
11.23	0.346	12.50	15.58	13.77	7.735	15.03	3.488
11.27	0.376	12.53	15.89	13.80	7.400	15.07	3.455
11.30	0.409	12.57	16.13	13.83	7.071	15.10	3.424
11.33	0.444	12.60	16.31	13.87	6.750	15.13	3.392
11.37	0.481	12.63	16.43	13.90	6.441	15.17	3.361
11.40	0.521	12.67	16.49	13.93	6.154	15.20	3.330
11.43	0.563	12.70	16.49 <<	13.97	5.900	15.23	3.300
11.47	0.609	12.73	16.45	14.00	5.682	15.27	3.270
11.50	0.657	12.77	16.37	14.03	5.492	15.30	3.241
11.53	0.710	12.80	16.25	14.07	5.323	15.33	3.211
11.57	0.768	12.83	16.10	14.10	5.168	15.37	3.182
11.60	0.833	12.87	15.92	14.13	5.027	15.40	3.154
11.63	0.909	12.90	15.72	14.17	4.900	15.43	3.125
11.67	0.996	12.93	15.51	14.20	4.785	15.47	3.097
11.70	1.098	12.97	15.29	14.23	4.681	15.50	3.069
11.73	1.219	13.00	15.05	14.27	4.588	15.53	3.042
11.77	1.360	13.03	14.80	14.30	4.504	15.57	3.014
11.80	1.526	13.07	14.55	14.33	4.428	15.60	2.987
11.83	1.720	13.10	14.28	14.37	4.359	15.63	2.959
11.87	1.948	13.13	14.00	14.40	4.296	15.67	2.932
11.90	2.213	13.17	13.72	14.43	4.237	15.70	2.905
11.93	2.533	13.20	13.42	14.47	4.181	15.73	2.878
11.97	2.939	13.23	13.12	14.50	4.127	15.77	2.851
12.00	3.466	13.27	12.81	14.53	4.076	15.80	2.825
12.03	4.122	13.30	12.50	14.57	4.027	15.83	2.798
12.07	4.879	13.33	12.17	14.60	3.979	15.87	2.771
12.10	5.702	13.37	11.85	14.63	3.934	15.90	2.744
12.13	6.569	13.40	11.52	14.67	3.890	15.93	2.717
12.17	7.472	13.43	11.18	14.70	3.848	15.97	2.690
12.20	8.403	13.47	10.84	14.73	3.807	16.00	2.663
12.23	9.353	13.50	10.50	14.77	3.768	16.03	2.636

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AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)	Time (hrs)	Outflow cfs)
16.07	2.609	17.90	1.605	19.73	1.167	21.57	0.959
16.10	2.582	17.93	1.593	19.77	1.163	21.60	0.955
16.13	2.555	17.97	1.580	19.80	1.160	21.63	0.952
16.17	2.528	18.00	1.568	19.83	1.156	21.67	0.948
16.20	2.502	18.03	1.555	19.87	1.152	21.70	0.944
16.23	2.475	18.07	1.543	19.90	1.148	21.73	0.940
16.27	2.449	18.10	1.530	19.93	1.145	21.77	0.936
16.30	2.423	18.13	1.518	19.97	1.141	21.80	0.932
16.33	2.398	18.17	1.506	20.00	1.137	21.83	0.928
16.37	2.373	18.20	1.494	20.03	1.134	21.87	0.924
16.40	2.348	18.23	1.482	20.07	1.130	21.90	0.921
16.43	2.324	18.27	1.470	20.10	1.126	21.93	0.917
16.47	2.300	18.30	1.458	20.13	1.122	21.97	0.913
16.50	2.277	18.33	1.447	20.17	1.119	22.00	0.909
16.53	2.254	18.37	1.435	20.20	1.115	22.03	0.910
16.57	2.232	18.40	1.425	20.23	1.111	22.07	0.911
16.60	2.210	18.43	1.414	20.27	1.107	22.10	0.913
16.63	2.189	18.47	1.404	20.30	1.104	22.13	0.914
16.67	2.168	18.50	1.393	20.33	1.100	22.17	0.916
16.70	2.148	18.53	1.384	20.37	1.096	22.20	0.918
16.73	2.128	18.57	1.374	20.40	1.093	22.23	0.920
16.77	2.108	18.60	1.365	20.43	1.089	22.27	0.922
16.80	2.089	18.63	1.356	20.47	1.085	22.30	0.925
16.83	2.070	18.67	1.347	20.50	1.081	22.33	0.927
16.87	2.052	18.70	1.339	20.53	1.077	22.37	0.930
16.90	2.034	18.73	1.331	20.57	1.074	22.40	0.933
16.93	2.016	18.77	1.323	20.60	1.070	22.43	0.936
16.97	1.999	18.80	1.315	20.63	1.066	22.47	0.933
17.00	1.982	18.83	1.308	20.67	1.062	22.50	0.930
17.03	1.965	18.87	1.300	20.70	1.059	22.53	0.927
17.07	1.949	18.90	1.293	20.73	1.055	22.57	0.924
17.10	1.933	18.93	1.286	20.77	1.051	22.60	0.921
17.13	1.917	18.97	1.280	20.80	1.047	22.63	0.918
17.17	1.901	19.00	1.273	20.83	1.043	22.67	0.915
17.20	1.886	19.03	1.267	20.87	1.040	22.70	0.912
17.23	1.871	19.07	1.261	20.90	1.036	22.73	0.909
17.27	1.856	19.10	1.255	20.93	1.032	22.77	0.906
17.30	1.842	19.13	1.249	20.97	1.028	22.80	0.903
17.33	1.827	19.17	1.244	21.00	1.024	22.83	0.899
17.37	1.813	19.20	1.238	21.03	1.021	22.87	0.896
17.40	1.799	19.23	1.233	21.07	1.017	22.90	0.893
17.43	1.785	19.27	1.228	21.10	1.013	22.93	0.890
17.47	1.772	19.30	1.223	21.13	1.009	22.97	0.887
17.50	1.758	19.33	1.218	21.17	1.005	23.00	0.883
17.53	1.745	19.37	1.213	21.20	1.001	23.03	0.880
17.57	1.732	19.40	1.209	21.23	0.998	23.07	0.877
17.60	1.719	19.43	1.204	21.27	0.994	23.10	0.873
17.63	1.706	19.47	1.200	21.30	0.990	23.13	0.870
17.67	1.693	19.50	1.195	21.33	0.986	23.17	0.867
17.70	1.680	19.53	1.191	21.37	0.982	23.20	0.863
17.73	1.668	19.57	1.187	21.40	0.978	23.23	0.860
17.77	1.655	19.60	1.183	21.43	0.975	23.27	0.856
17.80	1.643	19.63	1.179	21.47	0.971	23.30	0.853
17.83	1.630	19.67	1.175	21.50	0.967	23.33	0.849
17.87	1.618	19.70	1.171	21.53	0.963	23.37	0.845

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AREA #3

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
23.40	0.842
23.43	0.838
23.47	0.834
23.50	0.831
23.53	0.827
23.57	0.823
23.60	0.819
23.63	0.815
23.67	0.812
23.70	0.808
23.73	0.804
23.77	0.799
23.80	0.795
23.83	0.791
23.87	0.787
23.90	0.783
23.93	0.779
23.97	0.774
24.00	0.771
24.03	0.767
24.07	0.760
24.10	0.751
24.13	0.741
24.17	0.729
24.20	0.715
24.23	0.700
24.27	0.683
24.30	0.663
24.33	0.643
24.37	0.620
24.40	0.596
24.43	0.569
24.47	0.544
24.50	0.519
24.53	0.495
24.57	0.471
24.60	0.448
24.63	0.426
24.67	0.404
24.70	0.383
24.73	0.362
24.77	0.342
24.80	0.323
24.83	0.304
24.87	0.285
24.90	0.268
24.93	0.251
24.97	0.234
25.00	0.218
25.03	0.203
25.07	0.188
25.10	0.174

...End

Hydrograph Report

Hyd. No. 4

AREA #6

Hydrograph type	= SCS Runoff	Peak discharge	= 12.46 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.47 hrs
Time interval	= 2 min	Hyd. volume	= 85,664 cuft
Drainage area	= 7.940 ac	Curve number	= 55*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= TR55	Time of conc. (Tc)	= 23.8 min
Total precip.	= 8.30 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 285

* Composite (Area/CN) = [(7.940 x 55)] / 7.940

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)		Time -- Outflow (hrs cfs)	
10.87	0.126	12.13	7.403	13.40	3.436	14.67	1.948
10.90	0.140	12.17	8.410	13.43	3.310	14.70	1.930
10.93	0.155	12.20	9.391	13.47	3.201	14.73	1.913
10.97	0.171	12.23	10.28	13.50	3.106	14.77	1.897
11.00	0.188	12.27	11.00	13.53	3.025	14.80	1.881
11.03	0.205	12.30	11.51	13.57	2.954	14.83	1.865
11.07	0.224	12.33	11.88	13.60	2.893	14.87	1.849
11.10	0.243	12.37	12.14	13.63	2.840	14.90	1.834
11.13	0.264	12.40	12.32	13.67	2.791	14.93	1.819
11.17	0.285	12.43	12.43	13.70	2.746	14.97	1.804
11.20	0.308	12.47	12.46 <<	13.73	2.703	15.00	1.789
11.23	0.333	12.50	12.42	13.77	2.663	15.03	1.775
11.27	0.360	12.53	12.30	13.80	2.624	15.07	1.760
11.30	0.388	12.57	12.12	13.83	2.586	15.10	1.746
11.33	0.418	12.60	11.88	13.87	2.551	15.13	1.732
11.37	0.451	12.63	11.59	13.90	2.516	15.17	1.717
11.40	0.485	12.67	11.26	13.93	2.483	15.20	1.703
11.43	0.522	12.70	10.89	13.97	2.451	15.23	1.688
11.47	0.561	12.73	10.50	14.00	2.420	15.27	1.674
11.50	0.602	12.77	10.10	14.03	2.390	15.30	1.659
11.53	0.647	12.80	9.685	14.07	2.361	15.33	1.645
11.57	0.698	12.83	9.262	14.10	2.332	15.37	1.630
11.60	0.758	12.87	8.833	14.13	2.304	15.40	1.615
11.63	0.830	12.90	8.399	14.17	2.277	15.43	1.601
11.67	0.916	12.93	7.960	14.20	2.250	15.47	1.586
11.70	1.023	12.97	7.519	14.23	2.224	15.50	1.571
11.73	1.152	13.00	7.078	14.27	2.198	15.53	1.556
11.77	1.310	13.03	6.639	14.30	2.174	15.57	1.541
11.80	1.500	13.07	6.204	14.33	2.150	15.60	1.526
11.83	1.725	13.10	5.778	14.37	2.127	15.63	1.511
11.87	1.988	13.13	5.367	14.40	2.104	15.67	1.496
11.90	2.292	13.17	4.986	14.43	2.083	15.70	1.481
11.93	2.657	13.20	4.653	14.47	2.062	15.73	1.466
11.97	3.126	13.23	4.373	14.50	2.041	15.77	1.451
12.00	3.750	13.27	4.136	14.53	2.021	15.80	1.435
12.03	4.536	13.30	3.929	14.57	2.002	15.83	1.420
12.07	5.441	13.33	3.744	14.60	1.983	15.87	1.405
12.10	6.409	13.37	3.580	14.63	1.965	15.90	1.390

Continues on next page...

AREA #6

Hydrograph Discharge Table

Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)	Time (hrs)	Outflow (cfs)
15.93	1.374	17.77	0.858	19.60	0.639	21.43	0.523
15.97	1.359	17.80	0.851	19.63	0.637	21.47	0.521
16.00	1.343	17.83	0.844	19.67	0.635	21.50	0.519
16.03	1.328	17.87	0.837	19.70	0.633	21.53	0.517
16.07	1.313	17.90	0.830	19.73	0.631	21.57	0.514
16.10	1.297	17.93	0.823	19.77	0.629	21.60	0.512
16.13	1.282	17.97	0.816	19.80	0.627	21.63	0.510
16.17	1.267	18.00	0.809	19.83	0.625	21.67	0.508
16.20	1.253	18.03	0.802	19.87	0.623	21.70	0.506
16.23	1.239	18.07	0.795	19.90	0.621	21.73	0.504
16.27	1.225	18.10	0.788	19.93	0.619	21.77	0.501
16.30	1.212	18.13	0.781	19.97	0.616	21.80	0.499
16.33	1.199	18.17	0.774	20.00	0.614	21.83	0.497
16.37	1.187	18.20	0.768	20.03	0.612	21.87	0.495
16.40	1.175	18.23	0.762	20.07	0.610	21.90	0.493
16.43	1.164	18.27	0.756	20.10	0.608	21.93	0.491
16.47	1.153	18.30	0.750	20.13	0.606	21.97	0.488
16.50	1.142	18.33	0.744	20.17	0.604	22.00	0.486
16.53	1.132	18.37	0.739	20.20	0.602	22.03	0.491
16.57	1.122	18.40	0.734	20.23	0.600	22.07	0.497
16.60	1.113	18.43	0.730	20.27	0.598	22.10	0.502
16.63	1.103	18.47	0.725	20.30	0.596	22.13	0.508
16.67	1.094	18.50	0.721	20.33	0.593	22.17	0.514
16.70	1.086	18.53	0.717	20.37	0.591	22.20	0.521
16.73	1.077	18.57	0.713	20.40	0.589	22.23	0.528
16.77	1.069	18.60	0.709	20.43	0.587	22.27	0.535
16.80	1.061	18.63	0.706	20.47	0.585	22.30	0.532
16.83	1.053	18.67	0.703	20.50	0.583	22.33	0.530
16.87	1.046	18.70	0.700	20.53	0.581	22.37	0.528
16.90	1.038	18.73	0.697	20.57	0.579	22.40	0.525
16.93	1.031	18.77	0.694	20.60	0.577	22.43	0.523
16.97	1.024	18.80	0.691	20.63	0.574	22.47	0.521
17.00	1.016	18.83	0.688	20.67	0.572	22.50	0.518
17.03	1.009	18.87	0.686	20.70	0.570	22.53	0.516
17.07	1.003	18.90	0.683	20.73	0.568	22.57	0.513
17.10	0.996	18.93	0.681	20.77	0.566	22.60	0.510
17.13	0.989	18.97	0.679	20.80	0.564	22.63	0.508
17.17	0.982	19.00	0.676	20.83	0.562	22.67	0.505
17.20	0.975	19.03	0.674	20.87	0.559	22.70	0.502
17.23	0.968	19.07	0.672	20.90	0.557	22.73	0.499
17.27	0.961	19.10	0.670	20.93	0.555	22.77	0.497
17.30	0.955	19.13	0.668	20.97	0.553	22.80	0.494
17.33	0.948	19.17	0.666	21.00	0.551	22.83	0.491
17.37	0.941	19.20	0.664	21.03	0.549	22.87	0.488
17.40	0.934	19.23	0.662	21.07	0.547	22.90	0.485
17.43	0.927	19.27	0.660	21.10	0.545	22.93	0.481
17.47	0.920	19.30	0.658	21.13	0.542	22.97	0.478
17.50	0.913	19.33	0.656	21.17	0.540	23.00	0.475
17.53	0.906	19.37	0.654	21.20	0.538	23.03	0.472
17.57	0.899	19.40	0.652	21.23	0.536	23.07	0.468
17.60	0.893	19.43	0.650	21.27	0.534	23.10	0.465
17.63	0.886	19.47	0.648	21.30	0.532	23.13	0.461
17.67	0.879	19.50	0.645	21.33	0.529	23.17	0.458
17.70	0.872	19.53	0.643	21.37	0.527	23.20	0.454
17.73	0.865	19.57	0.641	21.40	0.525	23.23	0.452

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AREA #6

Hydrograph Discharge Table

Time (hrs)	Outflow cfs)
23.27	0.451
23.30	0.449
23.33	0.447
23.37	0.446
23.40	0.444
23.43	0.442
23.47	0.441
23.50	0.439
23.53	0.437
23.57	0.436
23.60	0.434
23.63	0.433
23.67	0.431
23.70	0.429
23.73	0.428
23.77	0.426
23.80	0.424
23.83	0.423
23.87	0.421
23.90	0.419
23.93	0.418
23.97	0.416
24.00	0.414
24.03	0.410
24.07	0.403
24.10	0.393
24.13	0.381
24.17	0.366
24.20	0.348
24.23	0.328
24.27	0.305
24.30	0.282
24.33	0.261
24.37	0.241
24.40	0.221
24.43	0.202
24.47	0.185
24.50	0.168
24.53	0.151
24.57	0.136

...End

Hydrograph Report

Hyd. No. 5

TOAL EX- FLOW TO DITCH

Hydrograph type	= Combine	Peak discharge	= 102.90 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.50 hrs
Time interval	= 2 min	Hyd. volume	= 794,495 cuft
Inflow hyds.	= 1, 2, 3, 4	Contrib. drain. area	= 52.560 ac

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
8.93	0.495	0.571	0.000	0.000	1.066
8.97	0.517	0.590	0.000	0.000	1.107
9.00	0.540	0.608	0.000	0.000	1.148
9.03	0.563	0.627	0.000	0.000	1.190
9.07	0.586	0.647	0.000	0.000	1.233
9.10	0.611	0.667	0.000	0.000	1.277
9.13	0.635	0.687	0.000	0.000	1.322
9.17	0.660	0.708	0.000	0.000	1.368
9.20	0.686	0.729	0.000	0.000	1.415
9.23	0.712	0.751	0.000	0.000	1.462
9.27	0.738	0.772	0.000	0.000	1.511
9.30	0.765	0.795	0.000	0.000	1.560
9.33	0.793	0.818	0.000	0.000	1.611
9.37	0.821	0.841	0.000	0.000	1.662
9.40	0.849	0.864	0.000	0.000	1.714
9.43	0.878	0.888	0.000	0.000	1.767
9.47	0.908	0.912	0.000	0.000	1.820
9.50	0.938	0.937	0.000	0.000	1.875
9.53	0.968	0.962	0.000	0.000	1.931
9.57	0.999	0.988	0.000	0.000	1.987
9.60	1.031	1.014	0.000	0.000	2.044
9.63	1.063	1.040	0.000	0.000	2.103
9.67	1.095	1.067	0.000	0.000	2.162
9.70	1.128	1.094	0.000	0.000	2.222
9.73	1.161	1.121	0.000	0.000	2.282
9.77	1.195	1.149	0.000	0.000	2.344
9.80	1.229	1.177	0.000	0.000	2.406
9.83	1.264	1.205	0.000	0.000	2.470
9.87	1.299	1.234	0.000	0.000	2.534
9.90	1.335	1.264	0.000	0.000	2.599
9.93	1.371	1.293	0.000	0.000	2.664
9.97	1.408	1.323	0.000	0.000	2.731
10.00	1.445	1.353	0.000	0.000	2.798
10.03	1.483	1.384	0.000	0.000	2.867
10.07	1.521	1.415	0.000	0.000	2.936
10.10	1.560	1.447	0.000	0.000	3.007
10.13	1.600	1.479	0.000	0.000	3.079
10.17	1.641	1.512	0.000	0.000	3.153
10.20	1.683	1.545	0.000	0.000	3.228
10.23	1.726	1.579	0.000	0.000	3.306
10.27	1.771	1.614	0.000	0.001	3.387
10.30	1.818	1.650	0.001	0.002	3.470
10.33	1.866	1.687	0.002	0.003	3.557
10.37	1.915	1.724	0.003	0.005	3.648

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
10.40	1.967	1.763	0.005	0.007	3.742
10.43	2.019	1.803	0.007	0.010	3.840
10.47	2.074	1.844	0.010	0.014	3.942
10.50	2.129	1.886	0.013	0.019	4.048
10.53	2.187	1.929	0.017	0.025	4.158
10.57	2.246	1.974	0.022	0.031	4.273
10.60	2.306	2.019	0.028	0.039	4.392
10.63	2.368	2.065	0.035	0.047	4.515
10.67	2.431	2.113	0.043	0.056	4.643
10.70	2.496	2.162	0.052	0.065	4.775
10.73	2.562	2.211	0.062	0.076	4.912
10.77	2.630	2.262	0.073	0.087	5.053
10.80	2.699	2.314	0.085	0.099	5.198
10.83	2.770	2.367	0.098	0.112	5.348
10.87	2.842	2.422	0.112	0.126	5.502
10.90	2.916	2.477	0.128	0.140	5.660
10.93	2.990	2.533	0.144	0.155	5.823
10.97	3.066	2.590	0.161	0.171	5.989
11.00	3.144	2.649	0.180	0.188	6.160
11.03	3.223	2.708	0.199	0.205	6.336
11.07	3.305	2.770	0.220	0.224	6.518
11.10	3.390	2.833	0.242	0.243	6.708
11.13	3.480	2.899	0.266	0.264	6.908
11.17	3.576	2.967	0.291	0.285	7.119
11.20	3.678	3.039	0.317	0.308	7.343
11.23	3.788	3.115	0.346	0.333	7.582
11.27	3.907	3.195	0.376	0.360	7.838
11.30	4.036	3.279	0.409	0.388	8.112
11.33	4.174	3.369	0.444	0.418	8.405
11.37	4.321	3.464	0.481	0.451	8.717
11.40	4.478	3.566	0.521	0.485	9.050
11.43	4.645	3.674	0.563	0.522	9.403
11.47	4.820	3.788	0.609	0.561	9.778
11.50	5.006	3.908	0.657	0.602	10.17
11.53	5.206	4.038	0.710	0.647	10.60
11.57	5.436	4.181	0.768	0.698	11.08
11.60	5.709	4.345	0.833	0.758	11.65
11.63	6.040	4.534	0.909	0.830	12.31
11.67	6.443	4.755	0.996	0.916	13.11
11.70	6.935	5.014	1.098	1.023	14.07
11.73	7.534	5.317	1.219	1.152	15.22
11.77	8.256	5.672	1.360	1.310	16.60
11.80	9.112	6.084	1.526	1.500	18.22
11.83	10.11	6.562	1.720	1.725	20.11
11.87	11.24	7.113	1.948	1.988	22.29
11.90	12.51	7.745	2.213	2.292	24.76
11.93	14.00	8.490	2.533	2.657	27.68
11.97	15.85	9.403	2.939	3.126	31.32
12.00	18.22	10.55	3.466	3.750	35.99
12.03	21.12	11.92	4.122	4.536	41.70
12.07	24.36	13.45	4.879	5.441	48.13
12.10	27.74	15.07	5.702	6.409	54.93
12.13	31.14	16.74	6.569	7.403	61.85
12.17	34.51	18.42	7.472	8.410	68.81
12.20	37.70	20.12	8.403	9.391	75.61
12.23	40.47	21.80	9.353	10.28	81.91

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
12.27	42.57	23.45	10.31	11.00	87.33
12.30	43.94	25.05	11.27	11.51	91.78
12.33	44.75	26.55	12.22	11.88	95.41
12.37	45.21	27.86	13.13	12.14	98.34
12.40	45.42 <<	28.87	13.96	12.32	100.57
12.43	45.38	29.58	14.65	12.43	102.04
12.47	45.09	30.04	15.18	12.46 <<	102.78
12.50	44.56	30.34	15.58	12.42	102.90 <<
12.53	43.80	30.51	15.89	12.30	102.51
12.57	42.84	30.57 <<	16.13	12.12	101.66
12.60	41.70	30.51	16.31	11.88	100.40
12.63	40.41	30.36	16.43	11.59	98.79
12.67	38.99	30.12	16.49	11.26	96.86
12.70	37.48	29.80	16.49 <<	10.89	94.67
12.73	35.90	29.41	16.45	10.50	92.27
12.77	34.29	28.96	16.37	10.10	89.72
12.80	32.66	28.46	16.25	9.685	87.05
12.83	31.01	27.91	16.10	9.262	84.29
12.87	29.36	27.34	15.92	8.833	81.46
12.90	27.71	26.74	15.72	8.399	78.58
12.93	26.07	26.13	15.51	7.960	75.67
12.97	24.44	25.50	15.29	7.519	72.75
13.00	22.83	24.86	15.05	7.078	69.82
13.03	21.24	24.21	14.80	6.639	66.89
13.07	19.69	23.54	14.55	6.204	63.98
13.10	18.19	22.85	14.28	5.778	61.10
13.13	16.76	22.16	14.00	5.367	58.29
13.17	15.46	21.46	13.72	4.986	55.62
13.20	14.34	20.75	13.42	4.653	53.16
13.23	13.41	20.03	13.12	4.373	50.93
13.27	12.63	19.30	12.81	4.136	48.88
13.30	11.96	18.57	12.50	3.929	46.95
13.33	11.36	17.84	12.17	3.744	45.11
13.37	10.83	17.10	11.85	3.580	43.36
13.40	10.37	16.37	11.52	3.436	41.69
13.43	9.963	15.64	11.18	3.310	40.10
13.47	9.613	14.92	10.84	3.201	38.58
13.50	9.311	14.21	10.50	3.106	37.12
13.53	9.051	13.50	10.16	3.025	35.74
13.57	8.826	12.81	9.810	2.954	34.40
13.60	8.631	12.14	9.462	2.893	33.13
13.63	8.459	11.48	9.114	2.840	31.89
13.67	8.305	10.84	8.766	2.791	30.71
13.70	8.160	10.23	8.420	2.746	29.56
13.73	8.023	9.649	8.076	2.703	28.45
13.77	7.892	9.119	7.735	2.663	27.41
13.80	7.768	8.661	7.400	2.624	26.45
13.83	7.649	8.276	7.071	2.586	25.58
13.87	7.535	7.948	6.750	2.551	24.78
13.90	7.426	7.658	6.441	2.516	24.04
13.93	7.321	7.397	6.154	2.483	23.35
13.97	7.219	7.161	5.900	2.451	22.73
14.00	7.121	6.950	5.682	2.420	22.17
14.03	7.026	6.760	5.492	2.390	21.67
14.07	6.933	6.590	5.323	2.361	21.21
14.10	6.842	6.439	5.168	2.332	20.78

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
14.13	6.754	6.303	5.027	2.304	20.39
14.17	6.668	6.180	4.900	2.277	20.02
14.20	6.584	6.069	4.785	2.250	19.69
14.23	6.502	5.968	4.681	2.224	19.37
14.27	6.422	5.873	4.588	2.198	19.08
14.30	6.345	5.783	4.504	2.174	18.81
14.33	6.271	5.697	4.428	2.150	18.55
14.37	6.198	5.615	4.359	2.127	18.30
14.40	6.128	5.536	4.296	2.104	18.07
14.43	6.061	5.461	4.237	2.083	17.84
14.47	5.995	5.389	4.181	2.062	17.63
14.50	5.931	5.321	4.127	2.041	17.42
14.53	5.869	5.255	4.076	2.021	17.22
14.57	5.809	5.191	4.027	2.002	17.03
14.60	5.750	5.130	3.979	1.983	16.84
14.63	5.694	5.072	3.934	1.965	16.66
14.67	5.638	5.015	3.890	1.948	16.49
14.70	5.584	4.960	3.848	1.930	16.32
14.73	5.532	4.907	3.807	1.913	16.16
14.77	5.481	4.855	3.768	1.897	16.00
14.80	5.430	4.804	3.730	1.881	15.84
14.83	5.381	4.754	3.693	1.865	15.69
14.87	5.333	4.705	3.657	1.849	15.54
14.90	5.286	4.657	3.622	1.834	15.40
14.93	5.239	4.609	3.588	1.819	15.26
14.97	5.193	4.563	3.554	1.804	15.11
15.00	5.148	4.517	3.521	1.789	14.98
15.03	5.103	4.472	3.488	1.775	14.84
15.07	5.058	4.428	3.455	1.760	14.70
15.10	5.014	4.385	3.424	1.746	14.57
15.13	4.970	4.342	3.392	1.732	14.44
15.17	4.926	4.300	3.361	1.717	14.30
15.20	4.882	4.258	3.330	1.703	14.17
15.23	4.838	4.218	3.300	1.688	14.04
15.27	4.794	4.177	3.270	1.674	13.91
15.30	4.750	4.137	3.241	1.659	13.79
15.33	4.705	4.098	3.211	1.645	13.66
15.37	4.661	4.059	3.182	1.630	13.53
15.40	4.617	4.020	3.154	1.615	13.41
15.43	4.572	3.982	3.125	1.601	13.28
15.47	4.528	3.944	3.097	1.586	13.15
15.50	4.483	3.906	3.069	1.571	13.03
15.53	4.439	3.869	3.042	1.556	12.91
15.57	4.394	3.832	3.014	1.541	12.78
15.60	4.349	3.795	2.987	1.526	12.66
15.63	4.304	3.758	2.959	1.511	12.53
15.67	4.260	3.722	2.932	1.496	12.41
15.70	4.215	3.685	2.905	1.481	12.29
15.73	4.170	3.648	2.878	1.466	12.16
15.77	4.125	3.612	2.851	1.451	12.04
15.80	4.080	3.575	2.825	1.435	11.92
15.83	4.035	3.539	2.798	1.420	11.79
15.87	3.990	3.502	2.771	1.405	11.67
15.90	3.944	3.466	2.744	1.390	11.54
15.93	3.899	3.429	2.717	1.374	11.42
15.97	3.854	3.392	2.690	1.359	11.30

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
16.00	3.809	3.356	2.663	1.343	11.17
16.03	3.763	3.319	2.636	1.328	11.05
16.07	3.718	3.282	2.609	1.313	10.92
16.10	3.674	3.246	2.582	1.297	10.80
16.13	3.630	3.210	2.555	1.282	10.68
16.17	3.587	3.174	2.528	1.267	10.56
16.20	3.544	3.138	2.502	1.253	10.44
16.23	3.503	3.103	2.475	1.239	10.32
16.27	3.463	3.068	2.449	1.225	10.21
16.30	3.425	3.033	2.423	1.212	10.09
16.33	3.388	3.000	2.398	1.199	9.985
16.37	3.352	2.967	2.373	1.187	9.879
16.40	3.318	2.934	2.348	1.175	9.776
16.43	3.285	2.903	2.324	1.164	9.675
16.47	3.253	2.872	2.300	1.153	9.578
16.50	3.222	2.842	2.277	1.142	9.483
16.53	3.192	2.813	2.254	1.132	9.391
16.57	3.163	2.784	2.232	1.122	9.301
16.60	3.135	2.756	2.210	1.113	9.214
16.63	3.107	2.729	2.189	1.103	9.129
16.67	3.081	2.702	2.168	1.094	9.046
16.70	3.056	2.676	2.148	1.086	8.965
16.73	3.031	2.650	2.128	1.077	8.886
16.77	3.007	2.625	2.108	1.069	8.809
16.80	2.983	2.601	2.089	1.061	8.734
16.83	2.961	2.577	2.070	1.053	8.661
16.87	2.938	2.554	2.052	1.046	8.589
16.90	2.916	2.531	2.034	1.038	8.519
16.93	2.895	2.509	2.016	1.031	8.450
16.97	2.874	2.487	1.999	1.024	8.383
17.00	2.853	2.465	1.982	1.016	8.317
17.03	2.833	2.444	1.965	1.009	8.252
17.07	2.813	2.424	1.949	1.003	8.188
17.10	2.793	2.404	1.933	0.996	8.124
17.13	2.773	2.384	1.917	0.989	8.062
17.17	2.753	2.364	1.901	0.982	8.000
17.20	2.733	2.345	1.886	0.975	7.939
17.23	2.713	2.326	1.871	0.968	7.879
17.27	2.693	2.308	1.856	0.961	7.819
17.30	2.674	2.290	1.842	0.955	7.759
17.33	2.654	2.272	1.827	0.948	7.700
17.37	2.634	2.254	1.813	0.941	7.642
17.40	2.614	2.236	1.799	0.934	7.583
17.43	2.594	2.219	1.785	0.927	7.526
17.47	2.574	2.202	1.772	0.920	7.468
17.50	2.554	2.185	1.758	0.913	7.411
17.53	2.534	2.168	1.745	0.906	7.354
17.57	2.514	2.152	1.732	0.899	7.297
17.60	2.494	2.135	1.719	0.893	7.241
17.63	2.474	2.119	1.706	0.886	7.185
17.67	2.454	2.102	1.693	0.879	7.128
17.70	2.434	2.086	1.680	0.872	7.072
17.73	2.414	2.070	1.668	0.865	7.016
17.77	2.394	2.054	1.655	0.858	6.961
17.80	2.374	2.037	1.643	0.851	6.905
17.83	2.354	2.021	1.630	0.844	6.849

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TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
17.87	2.334	2.005	1.618	0.837	6.793
17.90	2.314	1.989	1.605	0.830	6.737
17.93	2.294	1.973	1.593	0.823	6.682
17.97	2.274	1.956	1.580	0.816	6.626
18.00	2.254	1.940	1.568	0.809	6.570
18.03	2.233	1.924	1.555	0.802	6.514
18.07	2.214	1.908	1.543	0.795	6.458
18.10	2.194	1.891	1.530	0.788	6.403
18.13	2.174	1.875	1.518	0.781	6.349
18.17	2.156	1.860	1.506	0.774	6.295
18.20	2.137	1.844	1.494	0.768	6.242
18.23	2.119	1.828	1.482	0.762	6.191
18.27	2.102	1.813	1.470	0.756	6.141
18.30	2.086	1.798	1.458	0.750	6.093
18.33	2.071	1.784	1.447	0.744	6.046
18.37	2.056	1.770	1.435	0.739	6.001
18.40	2.042	1.756	1.425	0.734	5.957
18.43	2.029	1.743	1.414	0.730	5.915
18.47	2.016	1.730	1.404	0.725	5.874
18.50	2.004	1.717	1.393	0.721	5.835
18.53	1.992	1.705	1.384	0.717	5.798
18.57	1.981	1.693	1.374	0.713	5.762
18.60	1.971	1.682	1.365	0.709	5.727
18.63	1.961	1.671	1.356	0.706	5.693
18.67	1.951	1.660	1.347	0.703	5.661
18.70	1.942	1.650	1.339	0.700	5.630
18.73	1.933	1.640	1.331	0.697	5.600
18.77	1.925	1.630	1.323	0.694	5.571
18.80	1.917	1.621	1.315	0.691	5.544
18.83	1.909	1.612	1.308	0.688	5.517
18.87	1.902	1.603	1.300	0.686	5.491
18.90	1.895	1.594	1.293	0.683	5.466
18.93	1.888	1.586	1.286	0.681	5.441
18.97	1.881	1.578	1.280	0.679	5.418
19.00	1.875	1.570	1.273	0.676	5.395
19.03	1.869	1.563	1.267	0.674	5.373
19.07	1.862	1.555	1.261	0.672	5.351
19.10	1.856	1.548	1.255	0.670	5.330
19.13	1.850	1.541	1.249	0.668	5.309
19.17	1.844	1.535	1.244	0.666	5.289
19.20	1.839	1.528	1.238	0.664	5.269
19.23	1.833	1.522	1.233	0.662	5.250
19.27	1.827	1.516	1.228	0.660	5.230
19.30	1.821	1.510	1.223	0.658	5.211
19.33	1.815	1.504	1.218	0.656	5.193
19.37	1.809	1.498	1.213	0.654	5.174
19.40	1.803	1.493	1.209	0.652	5.156
19.43	1.797	1.487	1.204	0.650	5.138
19.47	1.791	1.482	1.200	0.648	5.120
19.50	1.785	1.477	1.195	0.645	5.102
19.53	1.779	1.471	1.191	0.643	5.085
19.57	1.773	1.466	1.187	0.641	5.068
19.60	1.767	1.461	1.183	0.639	5.051
19.63	1.761	1.456	1.179	0.637	5.034
19.67	1.755	1.451	1.175	0.635	5.017
19.70	1.749	1.447	1.171	0.633	5.000

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
19.73	1.743	1.442	1.167	0.631	4.983
19.77	1.737	1.437	1.163	0.629	4.966
19.80	1.731	1.432	1.160	0.627	4.950
19.83	1.725	1.427	1.156	0.625	4.933
19.87	1.719	1.422	1.152	0.623	4.916
19.90	1.713	1.417	1.148	0.621	4.900
19.93	1.707	1.412	1.145	0.619	4.883
19.97	1.701	1.408	1.141	0.616	4.866
20.00	1.695	1.403	1.137	0.614	4.850
20.03	1.689	1.398	1.134	0.612	4.833
20.07	1.683	1.393	1.130	0.610	4.816
20.10	1.677	1.388	1.126	0.608	4.799
20.13	1.671	1.383	1.122	0.606	4.783
20.17	1.665	1.378	1.119	0.604	4.766
20.20	1.659	1.374	1.115	0.602	4.749
20.23	1.653	1.369	1.111	0.600	4.733
20.27	1.647	1.364	1.107	0.598	4.716
20.30	1.641	1.359	1.104	0.596	4.699
20.33	1.635	1.354	1.100	0.593	4.682
20.37	1.629	1.349	1.096	0.591	4.666
20.40	1.623	1.344	1.093	0.589	4.649
20.43	1.617	1.339	1.089	0.587	4.632
20.47	1.611	1.334	1.085	0.585	4.615
20.50	1.605	1.330	1.081	0.583	4.598
20.53	1.599	1.325	1.077	0.581	4.582
20.57	1.593	1.320	1.074	0.579	4.565
20.60	1.587	1.315	1.070	0.577	4.548
20.63	1.581	1.310	1.066	0.574	4.531
20.67	1.575	1.305	1.062	0.572	4.514
20.70	1.569	1.300	1.059	0.570	4.498
20.73	1.562	1.295	1.055	0.568	4.481
20.77	1.556	1.290	1.051	0.566	4.464
20.80	1.550	1.286	1.047	0.564	4.447
20.83	1.544	1.281	1.043	0.562	4.430
20.87	1.538	1.276	1.040	0.559	4.413
20.90	1.532	1.271	1.036	0.557	4.396
20.93	1.526	1.266	1.032	0.555	4.379
20.97	1.520	1.261	1.028	0.553	4.362
21.00	1.514	1.256	1.024	0.551	4.346
21.03	1.508	1.251	1.021	0.549	4.329
21.07	1.502	1.246	1.017	0.547	4.312
21.10	1.496	1.241	1.013	0.545	4.295
21.13	1.490	1.237	1.009	0.542	4.278
21.17	1.484	1.232	1.005	0.540	4.261
21.20	1.478	1.227	1.001	0.538	4.244
21.23	1.472	1.222	0.998	0.536	4.227
21.27	1.465	1.217	0.994	0.534	4.210
21.30	1.459	1.212	0.990	0.532	4.193
21.33	1.453	1.207	0.986	0.529	4.176
21.37	1.447	1.202	0.982	0.527	4.159
21.40	1.441	1.197	0.978	0.525	4.142
21.43	1.435	1.192	0.975	0.523	4.125
21.47	1.429	1.187	0.971	0.521	4.108
21.50	1.423	1.182	0.967	0.519	4.091
21.53	1.417	1.178	0.963	0.517	4.074
21.57	1.411	1.173	0.959	0.514	4.057

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Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
21.60	1.405	1.168	0.955	0.512	4.040
21.63	1.399	1.163	0.952	0.510	4.023
21.67	1.392	1.158	0.948	0.508	4.006
21.70	1.386	1.153	0.944	0.506	3.989
21.73	1.380	1.148	0.940	0.504	3.972
21.77	1.374	1.143	0.936	0.501	3.955
21.80	1.368	1.138	0.932	0.499	3.938
21.83	1.362	1.133	0.928	0.497	3.920
21.87	1.356	1.128	0.924	0.495	3.903
21.90	1.350	1.123	0.921	0.493	3.886
21.93	1.344	1.118	0.917	0.491	3.869
21.97	1.337	1.113	0.913	0.488	3.852
22.00	1.331	1.109	0.909	0.486	3.835
22.03	1.345	1.111	0.910	0.491	3.857
22.07	1.360	1.113	0.911	0.497	3.881
22.10	1.375	1.116	0.913	0.502	3.906
22.13	1.391	1.119	0.914	0.508	3.933
22.17	1.408	1.122	0.916	0.514	3.961
22.20	1.425	1.126	0.918	0.521	3.990
22.23	1.444	1.129	0.920	0.528	4.020
22.27	1.462	1.133	0.922	0.535	4.053
22.30	1.456	1.138	0.925	0.532	4.051
22.33	1.450	1.142	0.927	0.530	4.049
22.37	1.443	1.147	0.930	0.528	4.048
22.40	1.437	1.152	0.933	0.525	4.047
22.43	1.430	1.148	0.936	0.523	4.038
22.47	1.423	1.144	0.933	0.521	4.022
22.50	1.417	1.140	0.930	0.518	4.005
22.53	1.410	1.136	0.927	0.516	3.989
22.57	1.402	1.132	0.924	0.513	3.972
22.60	1.395	1.128	0.921	0.510	3.955
22.63	1.388	1.124	0.918	0.508	3.938
22.67	1.380	1.120	0.915	0.505	3.921
22.70	1.372	1.116	0.912	0.502	3.903
22.73	1.365	1.112	0.909	0.499	3.885
22.77	1.357	1.108	0.906	0.497	3.867
22.80	1.348	1.104	0.903	0.494	3.848
22.83	1.340	1.100	0.899	0.491	3.830
22.87	1.332	1.095	0.896	0.488	3.811
22.90	1.323	1.091	0.893	0.485	3.792
22.93	1.314	1.087	0.890	0.481	3.772
22.97	1.305	1.082	0.887	0.478	3.753
23.00	1.296	1.078	0.883	0.475	3.732
23.03	1.287	1.073	0.880	0.472	3.712
23.07	1.278	1.069	0.877	0.468	3.691
23.10	1.268	1.064	0.873	0.465	3.671
23.13	1.258	1.060	0.870	0.461	3.649
23.17	1.248	1.055	0.867	0.458	3.628
23.20	1.238	1.050	0.863	0.454	3.606
23.23	1.234	1.046	0.860	0.452	3.591
23.27	1.229	1.041	0.856	0.451	3.577
23.30	1.224	1.036	0.853	0.449	3.562
23.33	1.220	1.031	0.849	0.447	3.548
23.37	1.215	1.026	0.845	0.446	3.533
23.40	1.211	1.021	0.842	0.444	3.518
23.43	1.206	1.016	0.838	0.442	3.503

Continues on next page...

TOAL EX- FLOW TO DITCH

Hydrograph Discharge Table

Time (hrs)	Hyd. 1 + (cfs)	Hyd. 2 + (cfs)	Hyd. 3 + (cfs)	Hyd. 4 = (cfs)	Outflow (cfs)
23.47	1.201	1.011	0.834	0.441	3.488
23.50	1.197	1.006	0.831	0.439	3.473
23.53	1.192	1.001	0.827	0.437	3.458
23.57	1.188	0.996	0.823	0.436	3.442
23.60	1.183	0.990	0.819	0.434	3.427
23.63	1.178	0.985	0.815	0.433	3.411
23.67	1.174	0.979	0.812	0.431	3.396
23.70	1.169	0.974	0.808	0.429	3.380
23.73	1.165	0.968	0.804	0.428	3.364
23.77	1.160	0.963	0.799	0.426	3.348
23.80	1.155	0.957	0.795	0.424	3.332
23.83	1.151	0.953	0.791	0.423	3.318
23.87	1.146	0.950	0.787	0.421	3.304
23.90	1.142	0.946	0.783	0.419	3.290
23.93	1.137	0.942	0.779	0.418	3.275
23.97	1.132	0.938	0.774	0.416	3.261
24.00	1.128	0.935	0.771	0.414	3.248
24.03	1.116	0.928	0.767	0.410	3.221
24.07	1.097	0.919	0.760	0.403	3.179
24.10	1.070	0.908	0.751	0.393	3.122
24.13	1.036	0.894	0.741	0.381	3.052
24.17	0.995	0.877	0.729	0.366	2.967
24.20	0.947	0.857	0.715	0.348	2.867
24.23	0.891	0.836	0.700	0.328	2.754
24.27	0.829	0.811	0.683	0.305	2.627
24.30	0.768	0.784	0.663	0.282	2.498
24.33	0.710	0.755	0.643	0.261	2.369
24.37	0.655	0.723	0.620	0.241	2.238
24.40	0.602	0.688	0.596	0.221	2.106
24.43	0.551	0.654	0.569	0.202	1.977
24.47	0.502	0.622	0.544	0.185	1.852
24.50	0.456	0.590	0.519	0.168	1.732
24.53	0.412	0.559	0.495	0.151	1.617
24.57	0.370	0.529	0.471	0.136	1.506
24.60	0.331	0.499	0.448	0.122	1.400
24.63	0.294	0.471	0.426	0.108	1.298
24.67	0.259	0.443	0.404	0.095	1.201
24.70	0.226	0.417	0.383	0.083	1.108

...End

Hydrograph Report

Hyd. No. 6

EXIST ROUTED FLOW

Hydrograph type	= Reservoir (Interconnected)	Peak discharge	= 52.83 cfs
Storm frequency	= 100 yrs	Time to peak	= 13.20 hrs
Time interval	= 2 min	Hyd. volume	= 794,492 cuft
Upper Pond		**Lower Pond**	
Pond name	= EX-BASIN #3	Pond name	= EXIST-DITCH
Inflow hyd.	= 5 - TOAL EX- FLOW TO DITCH	Other Inflow hyd.	= None
Max. Elevation	= 98.14 ft	Max. Elevation	= 90.64 ft
Max. Storage	= 232,065 cuft	Max. Storage	= 1,790 cuft

Interconnected Pond Routing. Storage Indication method used.

Hydrograph Discharge Table

(Printed values >= 1.00% of Qp.)

	Upper Pond		Lower Pond				
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
8.67	0.775	94.00	0.542	0.542	-----	88.96	-----	0.536
8.70	0.808	94.00	0.563	0.563	-----	88.97	-----	0.559
8.73	0.842	94.00	0.568	0.568	-----	88.97	-----	0.568
8.77	0.878	94.00	0.574	0.574	-----	88.97	-----	0.572
8.80	0.914	94.01	0.580	0.580	-----	88.97	-----	0.579
8.83	0.950	94.01	0.587	0.587	-----	88.97	-----	0.586
8.87	0.988	94.01	0.595	0.595	-----	88.97	-----	0.593
8.90	1.027	94.01	0.603	0.603	-----	88.97	-----	0.602
8.93	1.066	94.01	0.612	0.612	-----	88.97	-----	0.610
8.97	1.107	94.01	0.622	0.622	-----	88.98	-----	0.620
9.00	1.148	94.02	0.632	0.632	-----	88.98	-----	0.630
9.03	1.190	94.02	0.643	0.643	-----	88.98	-----	0.640
9.07	1.233	94.02	0.654	0.654	-----	88.98	-----	0.652
9.10	1.277	94.03	0.666	0.666	-----	88.98	-----	0.664
9.13	1.322	94.03	0.679	0.679	-----	88.98	-----	0.676
9.17	1.368	94.03	0.692	0.692	-----	88.99	-----	0.690
9.20	1.415	94.03	0.706	0.706	-----	88.99	-----	0.704
9.23	1.462	94.04	0.721	0.721	-----	88.99	-----	0.718
9.27	1.511	94.04	0.737	0.737	-----	88.99	-----	0.733
9.30	1.560	94.04	0.753	0.753	-----	88.99	-----	0.749
9.33	1.611	94.05	0.769	0.769	-----	89.00	-----	0.766
9.37	1.662	94.05	0.787	0.787	-----	89.00	-----	0.783
9.40	1.714	94.06	0.805	0.805	-----	89.00	-----	0.798
9.43	1.767	94.06	0.824	0.824	-----	89.00	-----	0.813
9.47	1.820	94.07	0.843	0.843	-----	89.00	-----	0.831
9.50	1.875	94.07	0.863	0.863	-----	89.01	-----	0.851
9.53	1.931	94.08	0.884	0.884	-----	89.01	-----	0.871
9.57	1.987	94.08	0.906	0.906	-----	89.01	-----	0.893
9.60	2.044	94.09	0.928	0.928	-----	89.01	-----	0.914
9.63	2.103	94.09	0.951	0.951	-----	89.02	-----	0.937
9.67	2.162	94.10	0.975	0.975	-----	89.02	-----	0.960
9.70	2.222	94.10	0.999	0.999	-----	89.02	-----	0.984
9.73	2.282	94.11	1.028	1.028	-----	89.02	-----	1.011
9.77	2.344	94.11	1.058	1.058	-----	89.03	-----	1.040
9.80	2.406	94.12	1.089	1.089	-----	89.03	-----	1.070
9.83	2.470	94.13	1.121	1.121	-----	89.03	-----	1.102
9.87	2.534	94.13	1.154	1.154	-----	89.04	-----	1.134

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------| Outflow cfs
9.90	2.599	94.14	1.187	1.187	-----	89.04	-----	1.167
9.93	2.664	94.14	1.221	1.221	-----	89.04	-----	1.200
9.97	2.731	94.15	1.256	1.256	-----	89.05	-----	1.235
10.00	2.798	94.16	1.292	1.292	-----	89.05	-----	1.270
10.03	2.867	94.16	1.328	1.328	-----	89.06	-----	1.306
10.07	2.936	94.17	1.365	1.365	-----	89.06	-----	1.343
10.10	3.007	94.18	1.403	1.403	-----	89.06	-----	1.380
10.13	3.079	94.19	1.442	1.442	-----	89.07	-----	1.418
10.17	3.153	94.19	1.481	1.481	-----	89.07	-----	1.457
10.20	3.228	94.20	1.522	1.522	-----	89.08	-----	1.497
10.23	3.306	94.21	1.567	1.567	-----	89.08	-----	1.540
10.27	3.387	94.22	1.615	1.615	-----	89.09	-----	1.586
10.30	3.470	94.23	1.663	1.663	-----	89.09	-----	1.634
10.33	3.557	94.23	1.712	1.712	-----	89.10	-----	1.682
10.37	3.648	94.24	1.763	1.763	-----	89.10	-----	1.735
10.40	3.742	94.25	1.814	1.814	-----	89.11	-----	1.791
10.43	3.840	94.26	1.867	1.867	-----	89.11	-----	1.843
10.47	3.942	94.27	1.921	1.921	-----	89.11	-----	1.896
10.50	4.048	94.28	1.976	1.976	-----	89.12	-----	1.951
10.53	4.158	94.29	2.033	2.033	-----	89.12	-----	2.007
10.57	4.273	94.30	2.091	2.091	-----	89.13	-----	2.065
10.60	4.392	94.31	2.154	2.154	-----	89.13	-----	2.125
10.63	4.515	94.32	2.221	2.221	-----	89.14	-----	2.191
10.67	4.643	94.33	2.291	2.291	-----	89.14	-----	2.259
10.70	4.775	94.34	2.362	2.362	-----	89.15	-----	2.329
10.73	4.912	94.35	2.435	2.435	-----	89.16	-----	2.402
10.77	5.053	94.36	2.509	2.509	-----	89.16	-----	2.476
10.80	5.198	94.38	2.586	2.586	-----	89.17	-----	2.551
10.83	5.348	94.39	2.665	2.665	-----	89.17	-----	2.629
10.87	5.502	94.40	2.746	2.746	-----	89.18	-----	2.710
10.90	5.660	94.41	2.834	2.834	-----	89.19	-----	2.794
10.93	5.823	94.43	2.927	2.927	-----	89.19	-----	2.885
10.97	5.989	94.44	3.022	3.022	-----	89.20	-----	2.981
11.00	6.160	94.46	3.119	3.119	-----	89.21	-----	3.085
11.03	6.336	94.47	3.219	3.219	-----	89.21	-----	3.183
11.07	6.518	94.48	3.321	3.321	-----	89.22	-----	3.284
11.10	6.708	94.50	3.426	3.426	-----	89.23	-----	3.388
11.13	6.908	94.51	3.537	3.537	-----	89.23	-----	3.497
11.17	7.119	94.53	3.656	3.656	-----	89.24	-----	3.613
11.20	7.343	94.55	3.778	3.778	-----	89.25	-----	3.734
11.23	7.582	94.56	3.904	3.904	-----	89.26	-----	3.859
11.27	7.838	94.58	4.034	4.034	-----	89.27	-----	3.987
11.30	8.112	94.60	4.168	4.168	-----	89.27	-----	4.120
11.33	8.405	94.62	4.312	4.312	-----	89.28	-----	4.260
11.37	8.717	94.64	4.466	4.466	-----	89.29	-----	4.410
11.40	9.050	94.66	4.626	4.626	-----	89.30	-----	4.571
11.43	9.403	94.68	4.793	4.793	-----	89.31	-----	4.745
11.47	9.778	94.70	4.967	4.967	-----	89.32	-----	4.915
11.50	10.17	94.72	5.154	5.154	-----	89.33	-----	5.098
11.53	10.60	94.75	5.354	5.354	-----	89.34	-----	5.294
11.57	11.08	94.77	5.565	5.565	-----	89.35	-----	5.502
11.60	11.65	94.80	5.787	5.787	-----	89.36	-----	5.720
11.63	12.31	94.83	6.029	6.029	-----	89.37	-----	5.956
11.67	13.11	94.86	6.298	6.298	-----	89.39	-----	6.217
11.70	14.07	94.89	6.591	6.591	-----	89.40	-----	6.507

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
11.73	15.22	94.93	6.920	6.920	-----	89.42	-----	6.837
11.77	16.60	94.97	7.298	7.298	-----	89.43	-----	7.198
11.80	18.22	95.01	7.723	7.723	-----	89.45	-----	7.612
11.83	20.11	95.04	7.996	7.996	-----	89.47	-----	7.940
11.87	22.29	95.07	8.292	8.292	-----	89.48	-----	8.211
11.90	24.76	95.11	8.635	8.635	-----	89.49	-----	8.546
11.93	27.68	95.15	9.041	9.041	-----	89.51	-----	8.945
11.97	31.32	95.20	9.518	9.518	-----	89.53	-----	9.409
12.00	35.99	95.26	10.09	10.09	-----	89.55	-----	9.959
12.03	41.70	95.33	10.79	10.79	-----	89.58	-----	10.63
12.07	48.13	95.42	11.64	11.64	-----	89.61	-----	11.45
12.10	54.93	95.52	12.66	12.66	-----	89.64	-----	12.45
12.13	61.85	95.63	13.86	13.86	-----	89.69	-----	13.61
12.17	68.81	95.75	15.25	15.25	-----	89.73	-----	14.99
12.20	75.61	95.89	16.85	16.85	-----	89.78	-----	16.54
12.23	81.91	96.03	18.64	18.64	-----	89.84	-----	18.33
12.27	87.33	96.15	20.33	20.33	-----	89.89	-----	20.06
12.30	91.78	96.28	22.05	22.05	-----	89.94	-----	21.78
12.33	95.41	96.42	23.87	23.87	-----	89.99	-----	23.59
12.37	98.34	96.55	25.78	25.78	-----	90.03	-----	25.14
12.40	100.57	96.69	27.76	27.76	-----	90.08	-----	27.03
12.43	102.04	96.82	29.78	29.78	-----	90.13	-----	29.08
12.47	102.78	96.96	31.82	31.82	-----	90.18	-----	31.13
12.50	102.90 <<	97.07	33.80	33.80	-----	90.23	-----	33.15
12.53	102.51	97.18	35.49	35.49	-----	90.27	-----	34.97
12.57	101.66	97.28	37.15	37.15	-----	90.30	-----	36.62
12.60	100.40	97.38	38.77	38.77	-----	90.34	-----	38.29
12.63	98.79	97.47	40.33	40.33	-----	90.38	-----	39.85
12.67	96.86	97.55	41.82	41.82	-----	90.41	-----	41.37
12.70	94.67	97.63	43.24	43.24	-----	90.44	-----	42.82
12.73	92.27	97.71	44.57	44.57	-----	90.47	-----	44.18
12.77	89.72	97.78	45.81	45.81	-----	90.49	-----	45.45
12.80	87.05	97.84	46.96	46.96	-----	90.52	-----	46.64
12.83	84.29	97.90	48.02	48.02	-----	90.54	-----	47.72
12.87	81.46	97.95	48.97	48.97	-----	90.56	-----	48.71
12.90	78.58	97.99	49.83	49.83	-----	90.58	-----	49.59
12.93	75.67	98.03	50.55	50.55	-----	90.59	-----	50.35
12.97	72.75	98.06	51.10	51.10	-----	90.61	-----	50.96
13.00	69.82	98.08	51.58	51.58	-----	90.62	-----	51.45
13.03	66.89	98.10	51.97	51.97	-----	90.62	-----	51.87
13.07	63.98	98.12	52.29	52.29	-----	90.63	-----	52.21
13.10	61.10	98.13	52.53	52.53	-----	90.63	-----	52.47
13.13	58.29	98.13	52.70	52.70	-----	90.64	-----	52.66
13.17	55.62	98.14 <<	52.80	52.80	-----	90.64	-----	52.78
13.20	53.16	98.14 <<	52.84 <<	52.84 <<	-----	90.64 <<	-----	52.83 <<
13.23	50.93	98.14	52.77	52.77	-----	90.64	-----	52.80
13.27	48.88	98.13	52.71	52.71	-----	90.64	-----	52.72
13.30	46.95	98.12	52.59	52.59	-----	90.64	-----	52.63
13.33	45.11	98.11	52.44	52.44	-----	90.64	-----	52.48
13.37	43.36	98.10	52.25	52.25	-----	90.63	-----	52.30
13.40	41.69	98.09	52.02	52.02	-----	90.63	-----	52.09
13.43	40.10	98.07	51.76	51.76	-----	90.62	-----	51.83
13.47	38.58	98.06	51.47	51.47	-----	90.62	-----	51.55
13.50	37.12	98.04	51.15	51.15	-----	90.61	-----	51.24
13.53	35.74	98.02	50.80	50.80	-----	90.60	-----	50.90

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
13.57	34.40	98.00	50.41	50.41	-----	90.60	-----	50.52
13.60	33.13	97.97	49.98	49.98	-----	90.59	-----	50.10
13.63	31.89	97.94	49.51	49.51	-----	90.58	-----	49.65
13.67	30.71	97.91	49.02	49.02	-----	90.57	-----	49.16
13.70	29.56	97.88	48.50	48.50	-----	90.56	-----	48.65
13.73	28.45	97.85	47.97	47.97	-----	90.55	-----	48.12
13.77	27.41	97.82	47.43	47.43	-----	90.54	-----	47.58
13.80	26.45	97.79	46.87	46.87	-----	90.53	-----	47.03
13.83	25.58	97.76	46.31	46.31	-----	90.52	-----	46.47
13.87	24.78	97.72	45.74	45.74	-----	90.50	-----	45.90
13.90	24.04	97.69	45.17	45.17	-----	90.49	-----	45.34
13.93	23.35	97.66	44.60	44.60	-----	90.48	-----	44.77
13.97	22.73	97.62	44.03	44.03	-----	90.47	-----	44.20
14.00	22.17	97.59	43.46	43.46	-----	90.46	-----	43.63
14.03	21.67	97.56	42.89	42.89	-----	90.44	-----	43.06
14.07	21.21	97.52	42.33	42.33	-----	90.43	-----	42.49
14.10	20.78	97.49	41.77	41.77	-----	90.42	-----	41.94
14.13	20.39	97.46	41.22	41.22	-----	90.41	-----	41.38
14.17	20.02	97.43	40.68	40.68	-----	90.40	-----	40.84
14.20	19.69	97.39	40.14	40.14	-----	90.38	-----	40.30
14.23	19.37	97.36	39.61	39.61	-----	90.37	-----	39.77
14.27	19.08	97.33	39.09	39.09	-----	90.36	-----	39.25
14.30	18.81	97.30	38.58	38.58	-----	90.35	-----	38.73
14.33	18.55	97.27	38.07	38.07	-----	90.34	-----	38.22
14.37	18.30	97.24	37.57	37.57	-----	90.33	-----	37.73
14.40	18.07	97.21	37.09	37.09	-----	90.32	-----	37.24
14.43	17.84	97.18	36.61	36.61	-----	90.31	-----	36.75
14.47	17.63	97.15	36.14	36.14	-----	90.30	-----	36.28
14.50	17.42	97.12	35.68	35.68	-----	90.29	-----	35.83
14.53	17.22	97.09	35.22	35.22	-----	90.28	-----	35.37
14.57	17.03	97.07	34.78	34.78	-----	90.27	-----	34.92
14.60	16.84	97.04	34.34	34.34	-----	90.26	-----	34.48
14.63	16.66	97.01	33.89	33.89	-----	90.25	-----	34.04
14.67	16.49	96.98	33.44	33.44	-----	90.24	-----	33.59
14.70	16.32	96.95	32.98	32.98	-----	90.22	-----	33.13
14.73	16.16	96.92	32.51	32.51	-----	90.21	-----	32.66
14.77	16.00	96.89	32.05	32.05	-----	90.20	-----	32.20
14.80	15.84	96.86	31.59	31.59	-----	90.19	-----	31.74
14.83	15.69	96.83	31.14	31.14	-----	90.18	-----	31.29
14.87	15.54	96.80	30.70	30.70	-----	90.17	-----	30.85
14.90	15.40	96.78	30.28	30.28	-----	90.16	-----	30.42
14.93	15.26	96.75	29.86	29.86	-----	90.15	-----	30.00
14.97	15.11	96.72	29.45	29.45	-----	90.14	-----	29.59
15.00	14.98	96.69	29.06	29.06	-----	90.13	-----	29.19
15.03	14.84	96.67	28.67	28.67	-----	90.12	-----	28.80
15.07	14.70	96.64	28.29	28.29	-----	90.11	-----	28.41
15.10	14.57	96.62	27.91	27.91	-----	90.10	-----	28.04
15.13	14.44	96.59	27.55	27.55	-----	90.09	-----	27.68
15.17	14.30	96.57	27.19	27.19	-----	90.08	-----	27.32
15.20	14.17	96.55	26.84	26.84	-----	90.08	-----	26.97
15.23	14.04	96.52	26.50	26.50	-----	90.07	-----	26.63
15.27	13.91	96.50	26.17	26.17	-----	90.06	-----	26.29
15.30	13.79	96.48	25.84	25.84	-----	90.05	-----	25.96
15.33	13.66	96.46	25.52	25.52	-----	90.04	-----	25.64
15.37	13.53	96.43	25.21	25.21	-----	90.03	-----	25.32

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------->| Outflow cfs
15.40	13.41	96.41	24.90	24.90	-----	90.02	-----	25.01
15.43	13.28	96.39	24.60	24.60	-----	90.02	-----	24.71
15.47	13.15	96.37	24.30	24.30	-----	90.01	-----	24.41
15.50	13.03	96.35	24.01	24.01	-----	90.00	-----	24.12
15.53	12.91	96.33	23.72	23.72	-----	89.99	-----	23.75
15.57	12.78	96.31	23.44	23.44	-----	89.98	-----	23.50
15.60	12.66	96.29	23.17	23.17	-----	89.98	-----	23.21
15.63	12.53	96.27	22.90	22.90	-----	89.97	-----	22.94
15.67	12.41	96.25	22.63	22.63	-----	89.96	-----	22.67
15.70	12.29	96.23	22.37	22.37	-----	89.95	-----	22.41
15.73	12.16	96.21	22.12	22.12	-----	89.95	-----	22.16
15.77	12.04	96.19	21.87	21.87	-----	89.94	-----	21.90
15.80	11.92	96.18	21.62	21.62	-----	89.93	-----	21.66
15.83	11.79	96.16	21.37	21.37	-----	89.93	-----	21.41
15.87	11.67	96.14	21.13	21.13	-----	89.92	-----	21.17
15.90	11.54	96.12	20.90	20.90	-----	89.91	-----	20.93
15.93	11.42	96.11	20.67	20.67	-----	89.91	-----	20.70
15.97	11.30	96.09	20.44	20.44	-----	89.90	-----	20.47
16.00	11.17	96.07	20.21	20.21	-----	89.89	-----	20.25
16.03	11.05	96.06	19.99	19.99	-----	89.89	-----	20.03
16.07	10.92	96.04	19.77	19.77	-----	89.88	-----	19.81
16.10	10.80	96.02	19.55	19.55	-----	89.87	-----	19.59
16.13	10.68	96.01	19.33	19.33	-----	89.87	-----	19.37
16.17	10.56	95.99	19.10	19.10	-----	89.86	-----	19.14
16.20	10.44	95.97	18.86	18.86	-----	89.85	-----	18.90
16.23	10.32	95.95	18.62	18.62	-----	89.85	-----	18.66
16.27	10.21	95.93	18.38	18.38	-----	89.84	-----	18.42
16.30	10.09	95.91	18.14	18.14	-----	89.83	-----	18.18
16.33	9.985	95.89	17.90	17.90	-----	89.83	-----	17.94
16.37	9.879	95.88	17.67	17.67	-----	89.82	-----	17.71
16.40	9.776	95.86	17.45	17.45	-----	89.81	-----	17.48
16.43	9.675	95.84	17.23	17.23	-----	89.81	-----	17.26
16.47	9.578	95.82	17.01	17.01	-----	89.80	-----	17.05
16.50	9.483	95.81	16.79	16.79	-----	89.79	-----	16.83
16.53	9.391	95.79	16.59	16.59	-----	89.78	-----	16.62
16.57	9.301	95.77	16.38	16.38	-----	89.78	-----	16.42
16.60	9.214	95.76	16.18	16.18	-----	89.77	-----	16.22
16.63	9.129	95.74	15.99	15.99	-----	89.77	-----	16.02
16.67	9.046	95.73	15.79	15.79	-----	89.76	-----	15.83
16.70	8.965	95.71	15.60	15.60	-----	89.75	-----	15.64
16.73	8.886	95.69	15.42	15.42	-----	89.75	-----	15.45
16.77	8.809	95.68	15.24	15.24	-----	89.74	-----	15.27
16.80	8.734	95.67	15.06	15.06	-----	89.73	-----	15.09
16.83	8.661	95.65	14.89	14.89	-----	89.73	-----	14.92
16.87	8.589	95.64	14.72	14.72	-----	89.72	-----	14.75
16.90	8.519	95.62	14.55	14.55	-----	89.72	-----	14.58
16.93	8.450	95.61	14.38	14.38	-----	89.71	-----	14.41
16.97	8.383	95.60	14.22	14.22	-----	89.71	-----	14.25
17.00	8.317	95.58	14.07	14.07	-----	89.70	-----	14.09
17.03	8.252	95.57	13.91	13.91	-----	89.70	-----	13.94
17.07	8.188	95.56	13.76	13.76	-----	89.69	-----	13.79
17.10	8.124	95.54	13.61	13.61	-----	89.69	-----	13.64
17.13	8.062	95.53	13.47	13.47	-----	89.68	-----	13.50
17.17	8.000	95.52	13.32	13.32	-----	89.68	-----	13.35
17.20	7.939	95.51	13.18	13.18	-----	89.67	-----	13.21

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
17.23	7.879	95.49	13.04	13.04	-----	89.67	-----	13.07
17.27	7.819	95.48	12.91	12.91	-----	89.66	-----	12.93
17.30	7.759	95.47	12.77	12.77	-----	89.66	-----	12.80
17.33	7.700	95.46	12.64	12.64	-----	89.65	-----	12.67
17.37	7.642	95.45	12.52	12.52	-----	89.65	-----	12.54
17.40	7.583	95.44	12.39	12.39	-----	89.64	-----	12.42
17.43	7.526	95.43	12.27	12.27	-----	89.64	-----	12.29
17.47	7.468	95.42	12.14	12.14	-----	89.63	-----	12.17
17.50	7.411	95.40	12.02	12.02	-----	89.63	-----	12.05
17.53	7.354	95.39	11.90	11.90	-----	89.63	-----	11.93
17.57	7.297	95.38	11.79	11.79	-----	89.62	-----	11.81
17.60	7.241	95.37	11.68	11.68	-----	89.62	-----	11.70
17.63	7.185	95.36	11.56	11.56	-----	89.61	-----	11.59
17.67	7.128	95.35	11.45	11.45	-----	89.61	-----	11.48
17.70	7.072	95.34	11.35	11.35	-----	89.61	-----	11.37
17.73	7.016	95.33	11.24	11.24	-----	89.60	-----	11.26
17.77	6.961	95.32	11.13	11.13	-----	89.60	-----	11.15
17.80	6.905	95.31	11.03	11.03	-----	89.59	-----	11.05
17.83	6.849	95.31	10.92	10.92	-----	89.59	-----	10.95
17.87	6.793	95.30	10.82	10.82	-----	89.59	-----	10.85
17.90	6.737	95.29	10.72	10.72	-----	89.58	-----	10.75
17.93	6.682	95.28	10.63	10.63	-----	89.58	-----	10.65
17.97	6.626	95.27	10.53	10.53	-----	89.57	-----	10.55
18.00	6.570	95.26	10.43	10.43	-----	89.57	-----	10.46
18.03	6.514	95.25	10.34	10.34	-----	89.57	-----	10.36
18.07	6.458	95.24	10.25	10.25	-----	89.56	-----	10.27
18.10	6.403	95.23	10.15	10.15	-----	89.56	-----	10.18
18.13	6.349	95.22	10.06	10.06	-----	89.56	-----	10.08
18.17	6.295	95.22	9.973	9.973	-----	89.55	-----	9.993
18.20	6.242	95.21	9.884	9.884	-----	89.55	-----	9.904
18.23	6.191	95.20	9.796	9.796	-----	89.55	-----	9.816
18.27	6.141	95.19	9.710	9.710	-----	89.54	-----	9.729
18.30	6.093	95.18	9.625	9.625	-----	89.54	-----	9.644
18.33	6.046	95.17	9.542	9.542	-----	89.54	-----	9.561
18.37	6.001	95.17	9.460	9.460	-----	89.53	-----	9.478
18.40	5.957	95.16	9.379	9.379	-----	89.53	-----	9.397
18.43	5.915	95.15	9.299	9.299	-----	89.53	-----	9.316
18.47	5.874	95.14	9.219	9.219	-----	89.52	-----	9.237
18.50	5.835	95.14	9.141	9.141	-----	89.52	-----	9.158
18.53	5.798	95.13	9.063	9.063	-----	89.52	-----	9.080
18.57	5.762	95.12	8.987	8.987	-----	89.51	-----	9.004
18.60	5.727	95.11	8.911	8.911	-----	89.51	-----	8.928
18.63	5.693	95.11	8.837	8.837	-----	89.51	-----	8.853
18.67	5.661	95.10	8.764	8.764	-----	89.50	-----	8.780
18.70	5.630	95.09	8.693	8.693	-----	89.50	-----	8.708
18.73	5.600	95.08	8.623	8.623	-----	89.50	-----	8.639
18.77	5.571	95.08	8.554	8.554	-----	89.50	-----	8.572
18.80	5.544	95.07	8.487	8.487	-----	89.49	-----	8.504
18.83	5.517	95.06	8.421	8.421	-----	89.49	-----	8.437
18.87	5.491	95.06	8.355	8.355	-----	89.49	-----	8.372
18.90	5.466	95.05	8.290	8.290	-----	89.48	-----	8.307
18.93	5.441	95.04	8.227	8.227	-----	89.48	-----	8.243
18.97	5.418	95.04	8.164	8.164	-----	89.48	-----	8.180
19.00	5.395	95.03	8.102	8.102	-----	89.48	-----	8.117
19.03	5.373	95.03	8.041	8.041	-----	89.47	-----	8.056

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EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Lower Pond Other Inflow cfs	Elevation ft	Exfil cfs	---------->| Outflow cfs
19.07	5.351	95.02	7.981	7.981	-----	89.47	-----	7.996
19.10	5.330	95.01	7.921	7.921	-----	89.47	-----	7.936
19.13	5.309	95.01	7.861	7.861	-----	89.46	-----	7.877
19.17	5.289	95.00	7.792	7.792	-----	89.46	-----	7.811
19.20	5.269	94.99	7.715	7.715	-----	89.46	-----	7.735
19.23	5.250	94.98	7.631	7.631	-----	89.45	-----	7.653
19.27	5.230	94.97	7.538	7.538	-----	89.45	-----	7.562
19.30	5.211	94.96	7.441	7.441	-----	89.45	-----	7.466
19.33	5.193	94.95	7.347	7.347	-----	89.44	-----	7.370
19.37	5.174	94.94	7.256	7.256	-----	89.44	-----	7.279
19.40	5.156	94.93	7.168	7.168	-----	89.43	-----	7.190
19.43	5.138	94.92	7.083	7.083	-----	89.43	-----	7.105
19.47	5.120	94.92	7.001	7.001	-----	89.43	-----	7.022
19.50	5.102	94.91	6.922	6.922	-----	89.42	-----	6.942
19.53	5.085	94.90	6.846	6.846	-----	89.42	-----	6.865
19.57	5.068	94.89	6.773	6.773	-----	89.42	-----	6.792
19.60	5.051	94.88	6.704	6.704	-----	89.41	-----	6.721
19.63	5.034	94.88	6.637	6.637	-----	89.41	-----	6.653
19.67	5.017	94.87	6.572	6.572	-----	89.41	-----	6.588
19.70	5.000	94.86	6.509	6.509	-----	89.40	-----	6.525
19.73	4.983	94.86	6.448	6.448	-----	89.40	-----	6.463
19.77	4.966	94.85	6.389	6.389	-----	89.40	-----	6.406
19.80	4.950	94.84	6.331	6.331	-----	89.39	-----	6.348
19.83	4.933	94.84	6.275	6.275	-----	89.39	-----	6.292
19.87	4.916	94.83	6.221	6.221	-----	89.39	-----	6.237
19.90	4.900	94.83	6.168	6.168	-----	89.39	-----	6.184
19.93	4.883	94.82	6.117	6.117	-----	89.38	-----	6.132
19.97	4.866	94.81	6.067	6.067	-----	89.38	-----	6.081
20.00	4.850	94.81	6.018	6.018	-----	89.38	-----	6.032
20.03	4.833	94.80	5.971	5.971	-----	89.38	-----	5.985
20.07	4.816	94.80	5.926	5.926	-----	89.37	-----	5.939
20.10	4.799	94.79	5.882	5.882	-----	89.37	-----	5.895
20.13	4.783	94.79	5.840	5.840	-----	89.37	-----	5.852
20.17	4.766	94.78	5.799	5.799	-----	89.37	-----	5.811
20.20	4.749	94.78	5.759	5.759	-----	89.36	-----	5.771
20.23	4.733	94.77	5.720	5.720	-----	89.36	-----	5.731
20.27	4.716	94.77	5.682	5.682	-----	89.36	-----	5.693
20.30	4.699	94.77	5.645	5.645	-----	89.36	-----	5.655
20.33	4.682	94.76	5.608	5.608	-----	89.36	-----	5.619
20.37	4.666	94.76	5.572	5.572	-----	89.35	-----	5.583
20.40	4.649	94.75	5.537	5.537	-----	89.35	-----	5.547
20.43	4.632	94.75	5.503	5.503	-----	89.35	-----	5.513
20.47	4.615	94.75	5.469	5.469	-----	89.35	-----	5.479
20.50	4.598	94.74	5.436	5.436	-----	89.35	-----	5.446
20.53	4.582	94.74	5.404	5.404	-----	89.35	-----	5.413
20.57	4.565	94.73	5.372	5.372	-----	89.34	-----	5.381
20.60	4.548	94.73	5.341	5.341	-----	89.34	-----	5.350
20.63	4.531	94.73	5.310	5.310	-----	89.34	-----	5.319
20.67	4.514	94.72	5.280	5.280	-----	89.34	-----	5.289
20.70	4.498	94.72	5.250	5.250	-----	89.34	-----	5.259
20.73	4.481	94.72	5.221	5.221	-----	89.34	-----	5.230
20.77	4.464	94.71	5.192	5.192	-----	89.33	-----	5.201
20.80	4.447	94.71	5.164	5.164	-----	89.33	-----	5.172
20.83	4.430	94.71	5.136	5.136	-----	89.33	-----	5.144
20.87	4.413	94.70	5.109	5.109	-----	89.33	-----	5.117

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Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
20.90	4.396	94.70	5.082	5.082	-----	89.33	-----	5.090
20.93	4.379	94.70	5.056	5.056	-----	89.33	-----	5.064
20.97	4.362	94.69	5.031	5.031	-----	89.33	-----	5.038
21.00	4.346	94.69	5.006	5.006	-----	89.32	-----	5.013
21.03	4.329	94.69	4.982	4.982	-----	89.32	-----	4.989
21.07	4.312	94.69	4.958	4.958	-----	89.32	-----	4.965
21.10	4.295	94.68	4.934	4.934	-----	89.32	-----	4.941
21.13	4.278	94.68	4.911	4.911	-----	89.32	-----	4.917
21.17	4.261	94.68	4.887	4.887	-----	89.32	-----	4.894
21.20	4.244	94.67	4.864	4.864	-----	89.32	-----	4.871
21.23	4.227	94.67	4.841	4.841	-----	89.32	-----	4.848
21.27	4.210	94.67	4.819	4.819	-----	89.31	-----	4.825
21.30	4.193	94.67	4.796	4.796	-----	89.31	-----	4.803
21.33	4.176	94.66	4.774	4.774	-----	89.31	-----	4.781
21.37	4.159	94.66	4.752	4.752	-----	89.31	-----	4.759
21.40	4.142	94.66	4.730	4.730	-----	89.31	-----	4.737
21.43	4.125	94.66	4.709	4.709	-----	89.31	-----	4.715
21.47	4.108	94.65	4.687	4.687	-----	89.31	-----	4.694
21.50	4.091	94.65	4.666	4.666	-----	89.31	-----	4.672
21.53	4.074	94.65	4.645	4.645	-----	89.31	-----	4.651
21.57	4.057	94.64	4.624	4.624	-----	89.30	-----	4.630
21.60	4.040	94.64	4.603	4.603	-----	89.30	-----	4.609
21.63	4.023	94.64	4.582	4.582	-----	89.30	-----	4.588
21.67	4.006	94.64	4.561	4.561	-----	89.30	-----	4.568
21.70	3.989	94.63	4.541	4.541	-----	89.30	-----	4.547
21.73	3.972	94.63	4.521	4.521	-----	89.30	-----	4.528
21.77	3.955	94.63	4.500	4.500	-----	89.30	-----	4.508
21.80	3.938	94.63	4.480	4.480	-----	89.30	-----	4.487
21.83	3.920	94.62	4.460	4.460	-----	89.30	-----	4.467
21.87	3.903	94.62	4.440	4.440	-----	89.29	-----	4.447
21.90	3.886	94.62	4.421	4.421	-----	89.29	-----	4.428
21.93	3.869	94.62	4.401	4.401	-----	89.29	-----	4.408
21.97	3.852	94.62	4.381	4.381	-----	89.29	-----	4.388
22.00	3.835	94.61	4.362	4.362	-----	89.29	-----	4.369
22.03	3.857	94.61	4.344	4.344	-----	89.29	-----	4.351
22.07	3.881	94.61	4.327	4.327	-----	89.29	-----	4.333
22.10	3.906	94.61	4.312	4.312	-----	89.29	-----	4.317
22.13	3.933	94.61	4.297	4.297	-----	89.28	-----	4.302
22.17	3.961	94.60	4.285	4.285	-----	89.28	-----	4.289
22.20	3.990	94.60	4.274	4.274	-----	89.28	-----	4.277
22.23	4.020	94.60	4.264	4.264	-----	89.28	-----	4.267
22.27	4.053	94.60	4.255	4.255	-----	89.28	-----	4.258
22.30	4.051	94.60	4.247	4.247	-----	89.28	-----	4.250
22.33	4.049	94.60	4.240	4.240	-----	89.28	-----	4.243
22.37	4.048	94.60	4.234	4.234	-----	89.28	-----	4.236
22.40	4.047	94.60	4.227	4.227	-----	89.28	-----	4.230
22.43	4.038	94.60	4.221	4.221	-----	89.28	-----	4.223
22.47	4.022	94.60	4.214	4.214	-----	89.28	-----	4.217
22.50	4.005	94.59	4.207	4.207	-----	89.28	-----	4.210
22.53	3.989	94.59	4.200	4.200	-----	89.28	-----	4.203
22.57	3.972	94.59	4.193	4.193	-----	89.28	-----	4.195
22.60	3.955	94.59	4.185	4.185	-----	89.28	-----	4.188
22.63	3.938	94.59	4.177	4.177	-----	89.28	-----	4.179
22.67	3.921	94.59	4.168	4.168	-----	89.28	-----	4.171
22.70	3.903	94.59	4.159	4.159	-----	89.28	-----	4.162

Continues on next page...

EXIST ROUTED FLOW

Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	----->| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------->| Outflow cfs
22.73	3.885	94.59	4.150	4.150	-----	89.28	-----	4.154
22.77	3.867	94.59	4.141	4.141	-----	89.27	-----	4.144
22.80	3.848	94.58	4.131	4.131	-----	89.27	-----	4.135
22.83	3.830	94.58	4.121	4.121	-----	89.27	-----	4.125
22.87	3.811	94.58	4.111	4.111	-----	89.27	-----	4.115
22.90	3.792	94.58	4.100	4.100	-----	89.27	-----	4.104
22.93	3.772	94.58	4.089	4.089	-----	89.27	-----	4.093
22.97	3.753	94.58	4.078	4.078	-----	89.27	-----	4.082
23.00	3.732	94.58	4.067	4.067	-----	89.27	-----	4.071
23.03	3.712	94.57	4.055	4.055	-----	89.27	-----	4.059
23.07	3.691	94.57	4.043	4.043	-----	89.27	-----	4.047
23.10	3.671	94.57	4.031	4.031	-----	89.27	-----	4.035
23.13	3.649	94.57	4.018	4.018	-----	89.27	-----	4.022
23.17	3.628	94.57	4.005	4.005	-----	89.27	-----	4.010
23.20	3.606	94.57	3.992	3.992	-----	89.27	-----	3.997
23.23	3.591	94.56	3.978	3.978	-----	89.26	-----	3.983
23.27	3.577	94.56	3.965	3.965	-----	89.26	-----	3.970
23.30	3.562	94.56	3.952	3.952	-----	89.26	-----	3.956
23.33	3.548	94.56	3.938	3.938	-----	89.26	-----	3.943
23.37	3.533	94.56	3.924	3.924	-----	89.26	-----	3.929
23.40	3.518	94.55	3.911	3.911	-----	89.26	-----	3.916
23.43	3.503	94.55	3.897	3.897	-----	89.26	-----	3.902
23.47	3.488	94.55	3.883	3.883	-----	89.26	-----	3.888
23.50	3.473	94.55	3.870	3.870	-----	89.26	-----	3.874
23.53	3.458	94.55	3.856	3.856	-----	89.26	-----	3.861
23.57	3.442	94.55	3.842	3.842	-----	89.26	-----	3.847
23.60	3.427	94.54	3.828	3.828	-----	89.26	-----	3.833
23.63	3.411	94.54	3.814	3.814	-----	89.25	-----	3.819
23.67	3.396	94.54	3.800	3.800	-----	89.25	-----	3.805
23.70	3.380	94.54	3.786	3.786	-----	89.25	-----	3.791
23.73	3.364	94.54	3.772	3.772	-----	89.25	-----	3.777
23.77	3.348	94.53	3.758	3.758	-----	89.25	-----	3.763
23.80	3.332	94.53	3.743	3.743	-----	89.25	-----	3.748
23.83	3.318	94.53	3.729	3.729	-----	89.25	-----	3.734
23.87	3.304	94.53	3.715	3.715	-----	89.25	-----	3.720
23.90	3.290	94.53	3.701	3.701	-----	89.25	-----	3.706
23.93	3.275	94.53	3.686	3.686	-----	89.25	-----	3.691
23.97	3.261	94.52	3.672	3.672	-----	89.25	-----	3.677
24.00	3.248	94.52	3.657	3.657	-----	89.24	-----	3.663
24.03	3.221	94.52	3.643	3.643	-----	89.24	-----	3.648
24.07	3.179	94.52	3.627	3.627	-----	89.24	-----	3.633
24.10	3.122	94.52	3.610	3.610	-----	89.24	-----	3.616
24.13	3.052	94.51	3.592	3.592	-----	89.24	-----	3.598
24.17	2.967	94.51	3.571	3.571	-----	89.24	-----	3.579
24.20	2.867	94.51	3.549	3.549	-----	89.24	-----	3.557
24.23	2.754	94.50	3.523	3.523	-----	89.24	-----	3.532
24.27	2.627	94.50	3.495	3.495	-----	89.23	-----	3.505
24.30	2.498	94.50	3.465	3.465	-----	89.23	-----	3.476
24.33	2.369	94.49	3.431	3.431	-----	89.23	-----	3.443
24.37	2.238	94.48	3.395	3.395	-----	89.23	-----	3.408
24.40	2.106	94.48	3.356	3.356	-----	89.23	-----	3.370
24.43	1.977	94.47	3.314	3.314	-----	89.22	-----	3.329
24.47	1.852	94.47	3.270	3.270	-----	89.22	-----	3.286
24.50	1.732	94.46	3.223	3.223	-----	89.22	-----	3.240
24.53	1.617	94.45	3.174	3.174	-----	89.21	-----	3.191

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Hydrograph Discharge Table

Time (hrs)	|<----- Inflow cfs	Upper Pond Elevation ft	-----| Outflow cfs	|<--------- Inflow cfs	Other Inflow cfs	Lower Pond Elevation ft	Exfil cfs	---------| Outflow cfs
24.57	1.506	94.45	3.123	3.123	-----	89.21	-----	3.141
24.60	1.400	94.44	3.069	3.069	-----	89.21	-----	3.088
24.63	1.298	94.43	3.015	3.015	-----	89.20	-----	3.034
24.67	1.201	94.42	2.959	2.959	-----	89.20	-----	2.979
24.70	1.108	94.41	2.901	2.901	-----	89.20	-----	2.925
24.73	1.020	94.41	2.844	2.844	-----	89.19	-----	2.870
24.77	0.937	94.40	2.786	2.786	-----	89.19	-----	2.812
24.80	0.858	94.39	2.729	2.729	-----	89.18	-----	2.755
24.83	0.783	94.38	2.672	2.672	-----	89.18	-----	2.698
24.87	0.713	94.37	2.615	2.615	-----	89.17	-----	2.641
24.90	0.648	94.36	2.559	2.559	-----	89.17	-----	2.584
24.93	0.586	94.35	2.502	2.502	-----	89.17	-----	2.528
24.97	0.529	94.34	2.445	2.445	-----	89.16	-----	2.471
25.00	0.477	94.34	2.388	2.388	-----	89.16	-----	2.414
25.03	0.429	94.33	2.331	2.331	-----	89.15	-----	2.357
25.07	0.385	94.32	2.275	2.275	-----	89.15	-----	2.300
25.10	0.346	94.31	2.219	2.219	-----	89.14	-----	2.244
25.13	0.311	94.30	2.165	2.165	-----	89.14	-----	2.189
25.17	0.280	94.29	2.112	2.112	-----	89.13	-----	2.136
25.20	0.253	94.29	2.061	2.061	-----	89.13	-----	2.084
25.23	0.228	94.28	2.012	2.012	-----	89.13	-----	2.034
25.27	0.204	94.27	1.964	1.964	-----	89.12	-----	1.986
25.30	0.182	94.26	1.917	1.917	-----	89.12	-----	1.938
25.33	0.161	94.25	1.871	1.871	-----	89.11	-----	1.892
25.37	0.141	94.25	1.825	1.825	-----	89.11	-----	1.846
25.40	0.123	94.24	1.780	1.780	-----	89.11	-----	1.800
25.43	0.105	94.23	1.735	1.735	-----	89.10	-----	1.755
25.47	0.090	94.22	1.692	1.692	-----	89.10	-----	1.712
25.50	0.075	94.22	1.649	1.649	-----	89.10	-----	1.674
25.53	0.062	94.21	1.607	1.607	-----	89.09	-----	1.632
25.57	0.051	94.20	1.567	1.567	-----	89.09	-----	1.591
25.60	0.040	94.20	1.528	1.528	-----	89.08	-----	1.552
25.63	0.031	94.19	1.491	1.491	-----	89.08	-----	1.514
25.67	0.023	94.18	1.456	1.456	-----	89.07	-----	1.477
25.70	0.017	94.18	1.422	1.422	-----	89.07	-----	1.443
25.73	0.012	94.17	1.389	1.389	-----	89.07	-----	1.409
25.77	0.008	94.16	1.356	1.356	-----	89.06	-----	1.376
25.80	0.005	94.16	1.324	1.324	-----	89.06	-----	1.344
25.83	0.003	94.15	1.293	1.293	-----	89.06	-----	1.312
25.87	0.002	94.15	1.263	1.263	-----	89.05	-----	1.281
25.90	0.001	94.14	1.233	1.233	-----	89.05	-----	1.251
25.93	0.000	94.13	1.204	1.204	-----	89.05	-----	1.222
25.97	0.000	94.13	1.175	1.175	-----	89.04	-----	1.193
26.00	0.000	94.12	1.148	1.148	-----	89.04	-----	1.165
26.03	0.000	94.12	1.120	1.120	-----	89.04	-----	1.137
26.07	0.000	94.11	1.094	1.094	-----	89.03	-----	1.110
26.10	0.000	94.11	1.068	1.068	-----	89.03	-----	1.084
26.13	0.000	94.10	1.043	1.043	-----	89.03	-----	1.059
26.17	0.000	94.10	1.020	1.020	-----	89.03	-----	1.034
26.20	0.000	94.10	0.997	0.997	-----	89.02	-----	1.011
26.23	0.000	94.09	0.976	0.976	-----	89.02	-----	0.989
26.27	0.000	94.09	0.956	0.956	-----	89.02	-----	0.969
26.30	0.000	94.08	0.937	0.937	-----	89.02	-----	0.949
26.33	0.000	94.08	0.918	0.918	-----	89.01	-----	0.930
26.37	0.000	94.07	0.900	0.900	-----	89.01	-----	0.911

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EXIST ROUTED FLOW

Hydrograph Discharge Table

	|<-----	Upper Pond	-----\>|	|<---------	Lower Pond			---------\>|
Time (hrs)	Inflow cfs	Elevation ft	Outflow cfs	Inflow cfs	Other Inflow cfs	Elevation ft	Exfil cfs	Outflow cfs
26.40	0.000	94.07	0.882	0.882	-----	89.01	-----	0.893
26.43	0.000	94.07	0.864	0.864	-----	89.01	-----	0.875
26.47	0.000	94.06	0.847	0.847	-----	89.01	-----	0.857
26.50	0.000	94.06	0.830	0.830	-----	89.01	-----	0.840
26.53	0.000	94.05	0.813	0.813	-----	89.00	-----	0.823
26.57	0.000	94.05	0.797	0.797	-----	89.00	-----	0.807
26.60	0.000	94.05	0.781	0.781	-----	89.00	-----	0.789
26.63	0.000	94.04	0.765	0.765	-----	89.00	-----	0.766
26.67	0.000	94.04	0.750	0.750	-----	88.99	-----	0.754
26.70	0.000	94.04	0.735	0.735	-----	88.99	-----	0.737
26.73	0.000	94.03	0.720	0.720	-----	88.99	-----	0.723
26.77	0.000	94.03	0.705	0.705	-----	88.99	-----	0.708
26.80	0.000	94.03	0.691	0.691	-----	88.99	-----	0.694
26.83	0.000	94.02	0.677	0.677	-----	88.98	-----	0.680
26.87	0.000	94.02	0.664	0.664	-----	88.98	-----	0.666
26.90	0.000	94.02	0.650	0.650	-----	88.98	-----	0.653
26.93	0.000	94.02	0.637	0.637	-----	88.98	-----	0.640
26.97	0.000	94.01	0.624	0.624	-----	88.98	-----	0.627
27.00	0.000	94.01	0.612	0.612	-----	88.97	-----	0.615
27.03	0.000	94.01	0.600	0.600	-----	88.97	-----	0.602
27.07	0.000	94.00	0.588	0.588	-----	88.97	-----	0.590
27.10	0.000	94.00	0.568	0.568	-----	88.97	-----	0.572
27.13	0.000	94.00	0.538	0.538	-----	88.96	-----	0.545

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