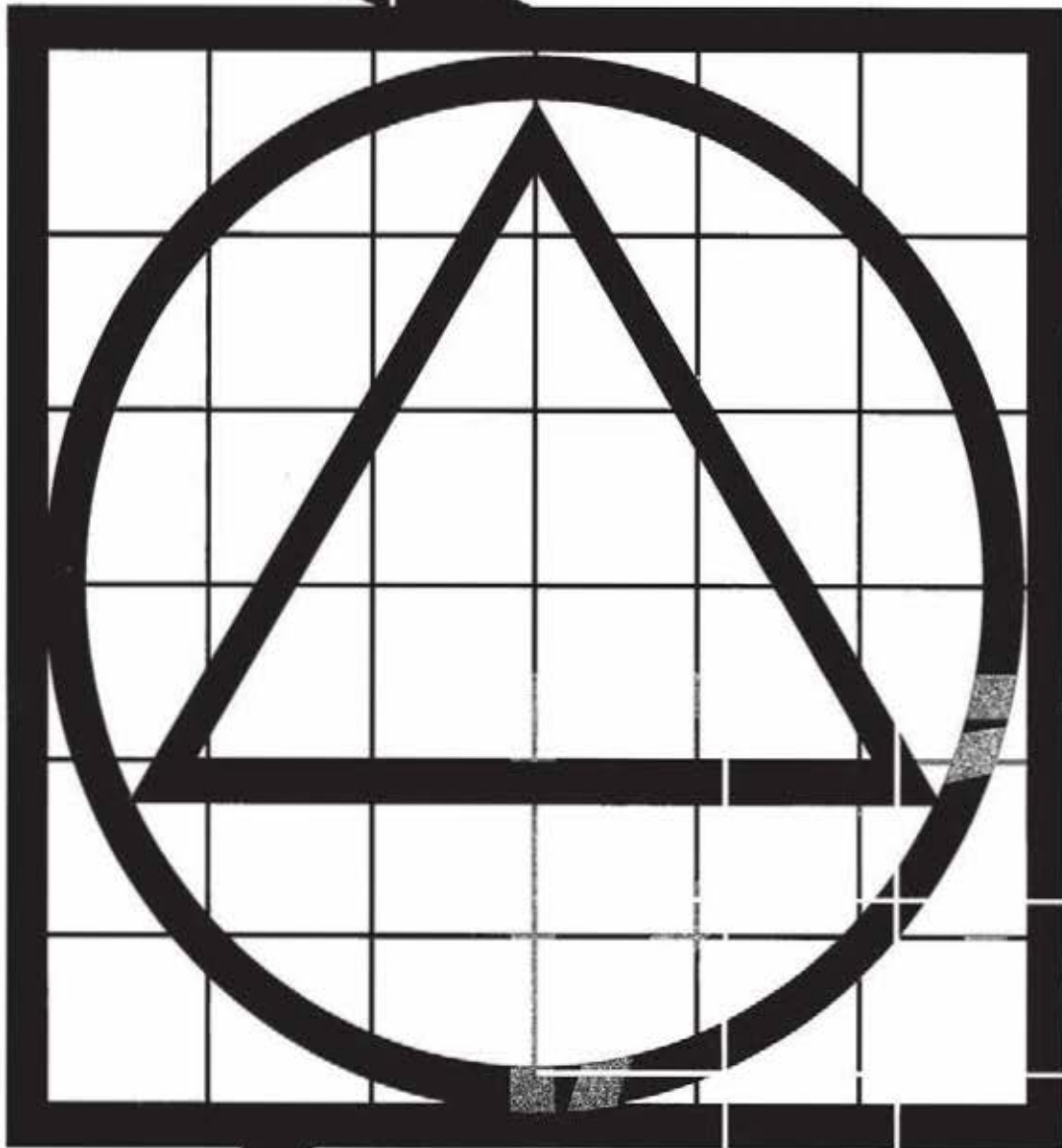


**RICK
ENGINEERING
COMPANY**

**HYDROLOGIC AND HYDRAULIC STUDY
FOR
COAST HIGHWAY 101
INTERIM STORM DRAIN IMPROVEMENTS
ENCINITAS, CALIFORNIA**

**Job Number 14413
November 18, 2003**



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INTRODUCTION

The City of Encinitas initiated this hydrologic and hydraulic study to analyze inundation of City streets and private properties during frequent storm events (up to 5-year) in the Leucadia area in the City of Encinitas. Flooding has historically occurred in this area along and adjacent to Highway 101, between Encinitas Boulevard and La Costa Avenue. The study area is shown on the vicinity map on page 2.

The existing topography within the Leucadia area consists of several sumps west of and parallel to Highway 101. Many of these sumps did not historically contain storm drain systems. In addition, many of the streets within the watershed areas do not have curb and gutter, which contributes to overland flow to Highway 101 and the adjacent sump areas. These drainage patterns historically resulted in ponding within the sumps during any storm events that produced runoff until the runoff eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump areas.

A storm drain system was installed in 2001 that connected these sump areas to the main line in Coast Highway 101. Storm events exceeding a 1-year storm overtaxed the system. Therefore, the City of Encinitas has initiated further enhancement of this system to increase its capacity and reduce the extent of flooding along Highway 101.

Overall improved performance of the storm drain system will be achieved by allowing storm runoff to be stored in the existing sump areas to regulate the rate at which flow enters the storm drain system. As storm runoff ponds in existing sump areas, runoff will be released into the storm drain system at a controlled rate. This storage is essential to the functionality of the system. Regulating flow will aid in the prevention of overtaxing the downstream storm drain system during frequent storm events, which will result in lower ponded water elevations and constant drainage. Although the interim improvements allow some inundation of City streets and properties, it is the City's first priority to resolve flooding of these areas when investigating potential long-term improvements.

This report discusses the historic drainage patterns and the interim enhancements to the storm drain system, in place as of November 2003. While priority has been placed on completing the interim improvements to minimize ponding during smaller, more frequent, storms, the City is actively pursuing the design of a long-term drainage solution that is focused on alleviating inundation of City streets and private properties during larger storm events.

HYDROLOGIC ANALYSIS

The U.S. Army Corps of Engineers HEC-1 computer program was used for the hydrologic analysis of the Leucadia area along Highway 101 between Encinitas Boulevard and La Costa Avenue. The HEC-1 model is designed to simulate the surface runoff response to precipitation within the drainage basin. HEC-1 also has the capability to model the effects of detention and storage of runoff within a watershed.

The HEC-1 analyses were based on the Natural Resources Conservation Service (NRCS) hydrologic method (formerly known as the Soil Conservation Service [SCS] hydrologic method) outlined in the *2003 San Diego County Hydrology Manual*. HEC-1 hydrologic analyses were performed for the historic condition (pre-2001 storm drain improvements) and the improved (interim) condition (post-2003 storm drain enhancements).

HEC-1 Parameters

Rainfall Distribution

Hydrographs for each basin were developed using a 5-year frequency, 24-hour return period, nested rainfall distribution. The nested storm distribution supersedes both the Type B and Type C rainfall distributions outlined in the *1993 San Diego County Hydrology Manual*. A limitation of the Type B and Type C distributions was that each distribution was applicable to the 6-hour and 24-hour durations only, and required separate analyses to be prepared for each duration. In most cases, the 6-hour storm duration produced a higher peak flow rate, while the 24-hour storm duration generated a greater runoff volume. Use of the nested storm pattern eliminates the need for separate analyses for 6-hour and 24-hour storm durations.

The total precipitation amounts for the 5-year storm event with 6-hour and 24-hour duration periods were obtained from the County of San Diego isopluvial maps included in Appendix A.

Watershed Boundaries

The watershed areas were delineated from digital topography flown in July 2001, provided by the City of Encinitas. Watershed delineations were field verified to improve accuracy. The total watershed area tributary to the Leucadia area storm drain system is approximately 0.49 square miles. Please refer to the Hydrology Workmap for Coast Highway 101 located in Map Pocket 1 for the watershed boundaries.

Curve Number

The composite curve number (CN) for each basin is based the soil type, land use coverage, and precipitation zone number. The CN calculations for each basin and associated support data is included in Appendix A.

Soil Type

The soil type information was obtained from the San Diego Association of Governments (SANDAG) in Geographic Information System (GIS) format. The soil type is based on the United States Department of Agricultural Soil Survey for San Diego County, and consists mainly of Type A soil. The Soil Survey map is shown in Appendix A.

Land Use

The land use coverage information was obtained from the SANDAG in GIS format. The land use data is 1995 existing land use based on 1995 color infrared satellite imagery, 1994/1995 black and white digital orthophoto quads, SanGIS landbase (registration) and miscellaneous sources. The Land Use map is shown in Appendix A.

To supplement the land use data for the watershed, review of aerial photographs showed that the ground cover of the Leucadia area is mostly developed and generally has higher imperviousness than is indicated by the land use maps. Therefore, the curve number calculation was appropriately adjusted for each basin.

Precipitation Zone Number

The CN was adjusted for the precipitation zone number (PZN) condition of 1.5 as outlined in the *2003 San Diego County Hydrology Manual*. The PZN condition is a function of the County of San Diego precipitation zone number map, also included in Appendix A.

Lag Time

The lag time was first calculated based upon criteria developed by the United States Army Corps of Engineers (USACOE). The USACOE lag time is an empirical relationship of the physical characteristics of a drainage area in terms of time. The USACOE empirical relationship produced uncharacteristically short lag times for each basin. Therefore, the lag times for each watershed were determined based on the Natural Resources Conservation Service (NRCS) method using a calculated time of concentration. Lag calculations are included in Appendix A.

The time of concentration is a function of the composite runoff coefficient of the basin and the approximate velocity of the flow through the basin as outlined in the *2003 San Diego County Hydrology Manual*. The NRCS lag time, T_l , is found by first determining T_p using the following equation related to the calculated time of concentration:

$$T_p = 0.67 T_c$$

Where:

- T_c is defined as: 1) the time for runoff to travel from the furthestmost point in the watershed to one point in question, and 2) the time from the end of excess rainfall to the point of inflection of the unit hydrograph.
- $T_c = T_i + T_t$
 - T_t is the time of concentration of street flow
 - $T_t = D_t/V$, then divide by 60 to convert to minutes
 - D_t is the length of street flow (feet)
 - V is velocity of street flow (feet per second)
 - T_i is the initial time of concentration of overland flow

- $T_i = 1.8(1.1 - C)\text{SQRT}(D)/(s^{1/3})$
[from Figure 3-3 in San Diego County Hydrology Manual]
- C = Runoff Coefficient
- D = Length of overland flow (feet)
- s = Slope of overland flow (%)

The NRCS lag time of a watershed is then determined by the following equation:

$$\text{NRCS } T_l = T_p - D/2$$

A summary of the hydrologic information for each basin that was used for calculating the hydrograph and peak runoff in the HEC-1 analyses is provided in Appendix A.

Historic and Improved (Interim) Drainage Patterns

Historic Drainage Patterns

In the historic condition (pre-2001 improvements), several sump areas west of Highway 101 did not contain underground storm drain systems. Therefore, during runoff-producing storm events the runoff ponded in the sump areas until it eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump area. The flooding impacts of the historic ponding were estimated by modeling 5-year frequency runoff and detention routing in the HEC-1 analyses. The historic condition HEC-1 hydrologic analysis for the 5-year storm event is included in Appendix B. The following is a brief description of the historic flow patterns that were determined based on the available topographic information and field visits. Please refer to the Hydrology Workmap for Coast Highway 101 located in Map Pocket 1 for the watershed basin boundaries.

Basins 1, 1a, 2:

Basins 1 and 2 are located east of Highway 101 approximately between Encinitas Boulevard and Riviera Mobile Home Park. Basin 1a is located east of Sunset Drive and north of Encinitas Boulevard.

Historically, runoff from basins 1, 1a, and 2 ponded along Vulcan Avenue and within the North County Transit District (NCTD) right-of-way (San Diego Northern Railway) between Halcyon Road and Union Street at an elevation of 66.4 feet, remained east of the railroad tracks, and eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump area.

Basins 3, 4:

Basins 3 and 4 are located west of Highway 101 between North Court and Cadmus Street. Historically, runoff from basins 3 and 4 combined and ponded along the alley from Basil Street to Cadmus Street at an elevation of 58.2 feet, until runoff eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump area.

Basin 6:

Basin 6 is located east of Vulcan Avenue, north of (and including) the Riviera Mobile Home Park and south of Leucadia Boulevard. Historically, runoff from basin 6 ponded along the NCTD right-of-way east of the railroad tracks from Leucadia Boulevard to approximately 1,900 feet south of Leucadia Boulevard, at an elevation of 63.7 feet, until draining to the headwall at Connection 1. It is assumed that historically runoff from basin 6 did not overtop the railroad tracks during a 5-year storm event.

Basins 5, 7, 8:

Basins 5, 7, and 8 are located west of Highway 101 between Daphne Street and Diana Street. Historically runoff from basins 5, 7, and 8 combined and ponded along the alley approximately from Europa Street to approximately Diana Street at an elevation of 54.6 feet, and eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump area.

Basins 9a, 9, 9b:

Basin 9a is located west of Highway 101 between Diana Street and Phoebe Street. Basin 9 is located west of Highway 101 between Phoebe Street and Jupiter Street. Basin 9b is located west of Highway 101 between Jupiter Street and Avocado Street.

Historically, runoff from basins 9a and 9b each ponded, overtopped a crest in the alley and combined with basin 9. The combined flows from basins 9a, 9b, and 9 were detained at an existing pump station located at Coast Highway 101 and Phoebe Street (Phoebe pump station). The inundated area extended from Glaucus Street along Highway 101 to approximately Avocado Street. The ponded water surface elevation was 54.0 feet within basin 9a, 56.0 feet within basin 9b, and 53.1 within basin 9. The runoff from basins 9a and 9b drain to basin 9 after it is detained.

The pump station consists of 2 pumps, each with a capacity of 500 gallons per minute (gpm), or 1.1 cubic feet per second (cfs). However the second pump has to overcome the first pump's impact to the hydraulic grade line in the downstream storm drain system.

Therefore, the second pump was assumed to function at 50% capacity. The peak flow rate of the pumps was assumed to be approximately 750 gpm, or 1.7 cfs. The pumps discharge into an existing 10" diameter storm drain parallel to Highway 101, and tie into the main line at Connection 3.

Basins 10, 11:

Basins 10 and 11 are located west of Highway 101 between Avocado Street and Moorgate Road. It is assumed that basins 10 and 11 drained east to the original storm drain system under Coast Highway 101 and that the original system had capacity. Therefore, detention analyses were not prepared for basins 10 and 11. However, plans for the original storm drain system were not available to verify this assumption.

Historic Hydrologic Analysis Results

Detained Peak Discharge Rates and Ponded Water Surface Elevations

In the historic drainage condition, basins 1, 1a, 1b, 2, 3, 4, 5, 7, and 8 were not connected to an underground storm drain system. Therefore, the storm runoff ponded until it eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump areas. Storm runoff from these basins was in essence detained to 0 cfs, resulting in extended periods of flooding.

Please note that although basins 9, 9a, and 9b were connected to the storm drain system, the Phoebe pump station and the restrictions of the downstream system controlled runoff from these basins to the storm drain system.

**Table 1. Historic 5-year Peak Discharge Rates,
Detained Discharge Rates, and Poned WSELs**

Basin	Historic Peak Discharge (cfs)	Historic Detained Discharge (cfs)	Historic Poned WSEL (ft)
1	7	0	66.4
1a	1	0	
3	15	0	
3	7	0	58.2
4	5	0	
5	7	0	54.6
6	16	9	63.7
7	5	0	54.6
8	4	0	
9	11	1.7	53.1
9a	7		54.0
9b	9		56.0
10	11	N/A	N/A
11	16	N/A	N/A

Improved (Interim) Drainage Patterns

The existing storm drain system consists of a 24" main line under Coast Highway 101 that begins near Union Street, flows in the northerly direction, and outlets into two detention basins located in series just north of La Costa Avenue. Several laterals tie into the main line, named Lines A, B, C, D, E, F, and G, which connect the sump areas to the storm drain system. Four additional laterals tie into the main line, known as Connections 1, 2, 3, and 4, which were constructed prior to the 2001 storm drain improvements. See the Hydrology Workmap for Coast Highway 101 located in Map Pocket 1 for the approximate location of the storm drain system.

The City of Encinitas enhanced the existing storm drain system (November 2003) to reduce the extent of flooding during small, frequent storm events (up to 5-year) when compared with the historic condition. The interim improvements will result in lower ponded water elevations, reduced flooding in detention areas, and constant drainage at a regulated rate. These enhancements are achieved by the installation of orifice plates in the laterals to the main storm drain line. By controlling the rate of discharge, the efficiency of the storm drain can be maintained for storm events up to 5-year frequency.

Eight orifice plates were installed; seven in storm drain laterals, and one at a historic connection to the storm drain system (pre-2001 storm drain improvements). All orifice plates were placed at either the most downstream inlet or cleanout prior to the confluence with the main line to maximize the effects of storage within the storm drain system. The locations of the orifice plates are provided in Appendix E.

The existing storm drain laterals provide drainage to the sump areas west of Highway 101 and east of the railroad tracks. These areas historically did not contain underground storm drain systems. In the historic condition, runoff ponded in the sump areas until it eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump areas. Runoff will still pond in the sump areas in the improved (interim) condition, however will drain to the storm drain system at a controlled rate. This will result in lower ponded water elevations in these sump areas for the smaller, more frequent, events up to the 5-year storm.

The interim improved ponded water elevations were calculated by modeling detention in the HEC-1 analysis similar to the historic condition HEC-1 analysis. However, in the improved (interim) condition each drainage basin was routed through the storm drain system. The improved (interim) condition HEC-1 hydrologic analysis for the 5-year storm event is included in Appendix C.

The improved (interim) flow patterns during a 5-year storm event of each drainage basin are discussed in the following subsections.

Basins 1, 1a, 1b, 2:

Basins 1 and 2 are located east of Highway 101 approximately between Encinitas Boulevard and Riviera Mobile Home Park. Basin 1a is located east of Sunset Drive and north of Encinitas Boulevard. Basin 1b is located between Ocean View Avenue and Orpheus Avenue, near Union Street.

Storm runoff from basins 1, 1a, and 1b drain to the headwall of the 18-inch storm drain line (Vulcan Avenue line) located along the western side of Vulcan Avenue. The 2001

storm drain improvements included a storm drain located at Union Street and Orpheus Avenue that allows runoff from basin 1b to drain directly to Orpheus Avenue where it combines with runoff from basins 1a and 1, and ultimately drains to the headwall entrance of the main line. The hydrograph calculations for basin 1b were not included in the historic condition hydrologic analyses because runoff from basin 1b historically ponded in a sump area located at Union Street and Orpheus Avenue where it eventually infiltrated into the ground, evaporated, or was otherwise removed from the sump area.

Storm runoff from basin 2 drains to Line A, which extends from the intersection of Cereus Street and Hermes Avenue westerly to Vulcan Avenue. Line A joins the Vulcan Avenue line within the North County Transit District (NCTD) right-of-way (San Diego Northern Railway) approximately due east from the intersection of Basil Street and Highway 101. Line A and the Vulcan Avenue line then join the main line due west at Highway 101.

An orifice plate with a design opening area of 7 square inches (in^2), has been installed at the junction of Line A and the Vulcan Avenue line. The orifice will regulate flow into the main storm drain line to approximately 1 cfs. Runoff from basins 1, 1a, 1b, and 2 will pond along Vulcan Avenue and within the NCTD right-of-way between Halcyon Road and Union Street at an elevation of 66.2 feet, until it drains into the headwall or most downstream Line A inlets.

Basins 3, 4:

Basins 3 and 4 are located west of Highway 101 between North Court and Cadmus Street. Storm runoff from basin 3 drains to Line B, which joins the main line at the intersection of Basil Street and Highway 101. Two orifice plates with a design opening area of 14 in^2 (total) have been installed on Basil Street in Line B. These orifice plates will regulate flows into Line B to approximately 1 cfs.

Storm runoff from basin 4 drains to Line C, which joins the main line at the intersection of Cadmus Street and Highway 101. An orifice plate with a design opening area of 13 in^2

has been installed on Cadmus Street in Line C. This orifice will regulate flows into Line C to approximately 1 cfs.

Runoff from basin 4 will pond in the alley between Basil Street and Cadmus Street at an elevation of 56.1 feet, until it drains to the Line C inlet in the alley. Localized ponding will occur in basin 3 at the Line B inlet at Athena Street.

Basin 6:

Basin 6 is located east of Vulcan Avenue, north of (and including) the Riviera Mobile Home Park and south of Leucadia Boulevard. The improved (interim) drainage pattern of basin 6 is similar to the historic condition. Storm runoff from basin 6 drains to Connection 1, an 18-inch headwall east of the railroad tracks, just south of Leucadia Boulevard. An orifice plate with design opening area of 104 in² placed at the headwall will restrict flows to approximately 7.4 cfs. Runoff from basin 6 will pond along the NCTD right-of-way east of the railroad tracks from Leucadia Boulevard to approximately 1,900 feet south of Leucadia Boulevard, at an elevation of 63.9 feet, until draining to the headwall at Connection 1. Although this water surface elevation is 0.2 feet higher than the historic condition, the 5-year inundated area remains in the right-of-way and does not affect private properties. It is assumed that flows from basin 6 do not overtop the railroad tracks during a 5-year storm event.

Basins 5, 7, 8:

Basins 5, 7, and 8 are located west of Highway 101 between Daphne Street and Diana Street. Storm runoff from basin 5 drains to Line D, which joins the main line at the intersection of Europa Street and Highway 101. An orifice plate with a design opening area of 24 in² has been installed on Europa Street in Line D, which will regulate discharge to 1 cfs.

Storm runoff from basin 7 drains to Line E and Line F. Line F joins Line E at the intersection of the alley and Leucadia Boulevard (north of Leucadia Park), and Line E joins the main line at the intersection of Leucadia Boulevard and Highway 101 (north of

Leucadia Park). An orifice plate with a design opening area of 20 in² has been installed on Leucadia Boulevard in Line E, which will regulate the discharge to 1 cfs.

Storm runoff from basin 8 drains to Line G, which joins the main line at the intersection of Jasper Street and Highway 101. An orifice plate with a design opening area of 16 in² has been installed near Jasper Street in Line G, which will regulate discharge to approximately 1 cfs.

Runoff from basins 5 and 7 will combine and create a continuous pond in the alley from Europa Street through the park at Leucadia Boulevard at an elevation of 52.5 feet, until it drains to the Line D inlet on Europa Street and the Line F inlet in the alley. Localized ponding will also occur within basin 7 at the Line F inlet in the alley and within basin 8 at the Line G inlet in the alley.

Basins 9a, 9b, 9:

Basin 9a is located west of Highway 101 between Diana Street and Phoebe Street. Basin 9 is located west of Highway 101 between Phoebe Street and Jupiter Street. Basin 9b is located west of Highway 101 between Jupiter Street and Avocado Street. Improved (interim) drainage patterns of basins 9a, 9b and 9 will not change from the historic condition. The 5-year ponded water surface elevation was 54.0 feet within basin 9a, 56.0 feet within basin 9b, and 53.1 within basin 9. The runoff from basins 9a and 9b drain to basin 9 after it is detained.

Basins 10, 11:

Basins 10 and 11 are located west of Highway 101 between Avocado Street and Moorgate Road. Improved (interim) drainage patterns of basins 10 and 11 will not change from the historic condition.

Interim (Improved) Hydrologic Analysis Results

Detained Peak Discharge Rates

In the improved (interim) condition, flows basins 1, 1a, 1b, 2, 3, 4, 5, 7, and 8 are detained to a constant rate at each inlet of the existing storm drain system to allow for continual drainage. Table 2 shows the detained peak discharge rate for the improved (interim) condition.

Table 2. Improved 5-year Peak Discharge Rates, Detained Discharge Rates, and Poned WSELs

Basin	Improved (Interim) Peak Discharge (cfs)	Improved (Interim) Detained Discharge (cfs)	Improved (Interim) Poned WSEL (ft)
1	7	1.0	66.2
1a	1		
1b	6		
2	15		
3	7	1.0	56.1
4	5	1.0	
5	7	1.0	52.5
6	16	7.4	63.9
7	5	1.0	52.5
8	4	1.0	
9	11	1.7	53.1
9a	7		54.0
9b	9		56.0
10	11	N/A	N/A
11	16	N/A	N/A

Comparison of Historic Condition and Improved (Interim) Condition

Detained Peak Discharge Rates

In the historic condition, basins 1, 1a, 2, 3, 4, 5, 7, and 8 were not connected to an underground storm drain system. Therefore, the storm runoff ponded until it eventually infiltrated into the ground, evaporated, or was pumped out. Flows from these basins were in essence detained to 0 cfs, however extended periods of flooding occurred.

In the improved (interim) condition, flows from these basins are detained to a constant rate at each inlet of the existing storm drain system to allow for continual drainage. The detained peak flows calculated in the improved (interim) condition HEC-1 hydrologic

analysis were used for the hydraulic analysis of the improved (interim) storm drain system. Table 3 shows the detained peak discharge rate for each basin.

Table 3. Historic and Improved (Interim) 5-year Detained Discharge Rates

Basin	Historic Detained Discharge (cfs)	Improved (Interim) Detained Discharge (cfs)
1, 1a, 1b, 2	0	1.0
3	0	1.0
4	0	1.0
5	0	1.0
6	9	7.4
7	0	1.0
8	0	1.0
9, 9a, 9b	1.7	1.7

Ponded Water Surface Elevations

Ponded water surface elevations resulting from the detention still occur within the study area, however the water surface elevations (WSEL) decreased or remained the same in the improved (interim) condition from the historic condition for every basin except for basin 6. Added detention in basin 6 was necessary to maximize the efficiency of the downstream storm drain system. It was determined that the increased inundation elevation does not affect private properties in a 5-year storm. Table 4 shows the results of the 5-year HEC-1 analyses for the ponded water surface elevations within each basin for the historic and improved (interim) condition. Please note that although basins 1a and 1b contribute to the drainage area of basins 1 and 2, these basins are located above the ponded water surface elevation, therefore would not be inundated during the 5-year storm. The inundated area is contained within basins 1 and 2.

Table 4. Historic and Improved (Interim) 5-year Poned Water Surface Elevations (WSEL)

Basin	Historic Poned WSEL (ft)	Improved (Interim) Poned WSEL (ft)	Change in WSEL (ft)
1, 1a, 1b, 2	66.4	66.2	-0.2
3, 4	58.2	56.1	-2.1
5,7,8	54.6	52.5	-2.4
6	63.7	63.9	+0.2 *
9	53.1	53.1	0.0
9a	54.0	54.0	0.0
9b	56.0	56.0	0.0

* This increase will not result in the inundation of any private properties, and the inundation limits will be contained between the NCTD tracks and Vulcan Avenue for a 5-year storm.

Finished Floor Field Survey Data

A field survey was conducted in May 2003 that shows the finished floor elevations of several properties that have been subject to flooding. Based on the field survey data, the finished floor elevations vary from property to property, therefore inundation may be localized in some areas. The field survey data is included in Appendix F.

HYDRAULIC ANALYSIS

The Los Angeles County Flood Control District's Water Surface Pressure Gradient (WSPGW) program was used to prepare hydraulic analyses of the storm drain system with the 2003 interim improvements (orifice plates). The program computes uniform and non-uniform steady flow water surface profiles and pressure gradients in open channels or closed conduits with regular or irregular sections. The flow in a system may alternate between supercritical, subcritical, or pressure flow.

The storm drain system begins at Union Street, extends north along Coast Highway 101, and outlets into two detention basins located in series, west of Highway 101 and just north of La Costa Avenue. The storm drain system consists of a 24" main line, as well as several laterals named Lines A, B, C, D, E, F, and G. Four additional laterals that tie into the main line, known as Connections 1, 2, 3, and 4, were constructed prior to the 2001 storm drain improvements. WSPGW analyses were prepared for the main line and Lines A, B, C, D, E/F, and G. The storm drain system has been enhanced (2003 interim improvements) with the installation of several orifice plates at the laterals. These improvements, as well as improved (interim) drainage patterns, are discussed in the Hydrologic Analysis section of this report. The approximate location of the storm drain system is shown on the Hydrology Workmap for Coast Highway 101 located in Map Pocket 1.

The WSPGW stationing and pipe size input is based on the improvement plans entitled, "Leucadia Drainage Project" dated August 9, 2001 prepared by W.A. Pasco Engineering, Inc. Hydrologic input is based on the improved (interim) HEC-1 (FN: PRO5R1.hc1) described in the hydrologic section of this report, as well as subsequent construction change information provided by the City of Encinitas. "As-built" plans for the storm drain system were not available at the authoring of this report.

Due to the steep slope of the pipe between Connection 4 and the system outlet, the flow is supercritical before discharging into the detention basins. Therefore, the hydraulic analysis of the upstream system is independent of the tailwater elevation in the basins, and detailed analyses of

the detention basins were not included in this study. The tailwater elevation used for the WSPGW input of the main line is the 100-year water surface elevation (WSEL) in detention basin 1 that was calculated in the report entitled, "Detention Basin Evaluation Leucadia Drainage Project," dated January 3, 2001 prepared by WEST Consultants, Inc.

The tailwater elevation used for the WSPGW input of the laterals was based on either the hydraulic grade line (HGL) or energy grade line (EGL) in the main line at the junction of each lateral. If the HGL of the main line is below the top of pipe at the junction, the HGL is used as the tailwater elevation for the lateral. If the HGL of the main line is above the top of pipe at the junction, indicating pressure flow, the tailwater elevation for the lateral must be solved based on the EGL of the main line at the junction. The equation used to solve for tailwater elevation is:

$$TW_{\text{lateral}} = EGL_{\text{main line}} - V^2/2g_{\text{lateral}}$$

Where:

- $EGL_{\text{main line}}$ is the energy grade line in the main line at the junction of the lateral (from the WSPGW output)
- $V^2/2g_{\text{lateral}}$ is the velocity head in the lateral
 - $V = Q/A$
 - Q is the flow rate in the lateral (cfs)
 - A is the cross-sectional area of the lateral (ft^2)
- g is the acceleration due to gravity (32.2 ft/s^2)

The velocity head component in the TW_{lateral} equation was negligible in most cases (Lines C, D, E/F, and G) therefore the $EGL_{\text{main line}}$ was used as the tailwater elevation for the lateral. The $HGL_{\text{main line}}$ was used for the tailwater elevation for Line A and Line B because the flow in the main line was not pressurized.

Orifice Calculations

The openings for the orifice plates were sized using the orifice equation based on the results from both the WSPGW analyses for the main line and individual laterals. The orifice equation is:

$$Q = CA(\text{sqrt}(2gH))$$

Where:

- Q is the flow rate in cubic feet per second (cfs),
- C is a constant (assumed 0.6 for this study),
- A is the cross-sectional area of the opening (ft²),
- g is the acceleration due to gravity (32.2 ft/s²), and
- H is the differential head (depth).

The H was calculated as the difference between the HGL in the lateral at the most downstream inlet prior to the confluence with the main line and the ponded water surface elevation at the inlet. The orifice equation was rearranged to solve for the area.

The results of the orifice sizing calculations are shown in Table 5. Support material for the orifice calculations is provided in Appendix E. Bio Clean Environmental Services, Inc. installed the orifice plates at all specified locations in October and November 2003.

Table 5. Results of Orifice Sizing Calculations

Basin	Lateral	Q (cfs)	A (in ²)
1, 2	Line A	1.0	7
3	Line B	1.0	14
4	Line C	1.0	13
5	Line D	1.0	24
7	Line E/F	1.0	20
8	Line G	1.0	16
6	Conn. 1	7.4	104

*Line B has two orifice plates with a total opening area of 14 in².

Capacity of the Storm Drain System

Without the installation of the orifice plates the capacity of the storm drain system was approximately 1-year. The WSPGW analysis of the main storm drain line verified that the capacity of the storm drain system with the 2003 interim improvements is approximately 5-year. The City of Encinitas is currently investigating alternatives for ultimate storm drain improvements within the Leucadia area to improve drainage patterns and reduce the potential for inundation.

SUMMARY

This study was conducted to address inundation of City streets and private properties during frequent storm events (up to 5-year) along and adjacent to Highway 101, between Encinitas Boulevard and La Costa Avenue, within the City of Encinitas, California. This report presents the results of hydrologic and hydraulic analyses that compare the historic drainage patterns with the improved (interim) condition.

The existing topography within the Leucadia area consists of several sumps west of Highway 101, many of which did not historically contain storm drain systems. In addition, many of the streets within the study area do not have curb and gutter, which contributes to overland flow to Highway 101 and the adjacent sump areas. This historically resulted in ponding within the sumps during any storm events that produced runoff.

A storm drain system was installed in 2001 that connected these sump areas to the main line in Coast Highway 101. Storm events exceeding a 1-year storm overtaxed the system. Interim enhancements to the storm drain system included the installation of eight orifice plates at the laterals to the main storm drain line. These orifice plates will regulate the rate at which runoff enters the storm drain system, which will result in lower ponded water surface elevations compared to the historic condition, and improved drainage. The results of the hydrologic analyses showed a decrease in ponded water surface elevation of over 2-feet in five of the drainage basins, a slight decrease of 0.2-feet in two basins, and an increase of 0.2 feet in one basin, where it was determined that the increase in water surface elevation would not affect private properties.

The hydraulic analysis showed an overall storm drain capacity for approximately the 5-year frequency storm event. Hydraulic analyses were also used to size the orifice openings, which range in area from 7 in² to 104 in².

While priority has been placed on completing the interim improvements, the City is actively pursuing the design of a long-term solution intended to largely alleviate inundation of City streets and private properties during larger storm events.

APPENDIX A

Hydrologic Support Material

**Summary of Hydrologic Information of Each Basin
For the Hydrograph Calculations**

Basin	Area (acres)	CN	Soil Group	Time of Concentration, T_c (min)	Lag Time, T_l (min)
1	59.1	61	A	29.02	16.94
1a	8.4	60	A	16.16	8.33
1b	22.3	65	A	18.3	9.76
2	39.4	67	A	16.68	8.68
3	10.0	69	A	12.02	5.55
4	10.7	64	A	10.21	4.34
5	15.7	68	A	11.24	5.03
6	38.4	73	A	32.67	19.39
7	15.2	66	A	15.33	7.77
8	7.2	71	A	15.17	7.67
9	22.5	69	A	21.61	11.98
9a	15.4	69	A	14.45	7.18
9b	18.9	68	A	14.79	7.41
10	10.0	71	A	9.18	3.65
11	27.2	71	A	15.61	7.96

Encinitas--Coast Highway

J-14413

9/4/03

Composite Curve Number Calculations - Revised

Existing Condition

Soil Type A

Land Use	C	I	MH	MU	R	SF							
CN ₂	89	89	98	77	57	69							
Basin	Area (ft ²)	Area (ft ²)	Area (ft ²)	Area (ft ²)	Area (ft ²)	Area (ft ²)	Area (ft ²)	Composite CN ₂	Rounded Composite CN ₂	From Table 4-10, Corresponding CN ₁	Interpolated CN _{1.5}	Final CN _{1.5}	Basin
1	898		80522	484260	170359	1838509	2574548	70.6	71	52	61.31	61	1
1a						366593	366593	69.0	69	50	59.50	60	1a
1b	229894			16414		698466	944774	74.0	74	55	64.50	65	1b
2	91027	182119	208222	61796	47819	1125749	1716732	75.7	76	58	66.83	67	2
3	156336	17823	2978	22942		235713	435792	77.6	78	60	68.81	69	3
4	103790			80		360970	464841	73.5	73	54	63.73	64	4
5	232289		20893		2918	429961	686061	76.6	77	59	67.80	68	5
6	272516		498794	82986		820102	1674398	81.3	81	64	72.65	73	6
7	160706			128258	31497	340607	661067	74.8	75	57	65.92	66	7
8	107664		5938	137398		61366	312366	80.0	80	63	71.48	71	8
9	220315		135272	127935	44841	449644	978007	78.0	78	60	69.01	69	9
9a	138942		53454	234132		242152	668680	78.3	78	60	69.14	69	9a
9b	187326		62112	145529	15538	413271	823776	76.9	77	59	67.96	68	9b
10			51861	374182	10511		436554	79.0	79	62	70.51	71	10
11	288301			887653	9256		1185210	79.8	80	63	71.38	71	11

Encinitas Coast Highway 101 (J-14413) - Lag Calculations based on NRCS Methodology as Described in the San Diego County Hydrology Manual

Watershed	Overland Flow (T _o)						Street Flow (T _s)					T _c (min)	T _p (min)	T _t (min)	T _t (hr)
	¹ Length, D (ft)	² Slope, s (%)	³ Parcel size (ft ²)	Parcel size ³ (ac ¹)	⁴ Runoff Coefficient, C	⁵ T _i (min)	Length, D _s (ft)	Slope, s (%)	⁶ Q (cfs)	⁷ V (fps)	⁸ T _i (min)				
1	312	10.00	20000	2.18	0.34	11.22	*--	*--	*--	*--	17.80	29.02	19.44	19.94	0.282
1a	225	9.00	12500	3.48	0.38	9.35	1350	3	1	3.3	6.82	16.16	10.83	8.33	0.139
1b	312	7.70	13125	3.32	0.38	11.58	925	1.3	1	2.3	6.70	18.30	12.26	9.76	0.163
2	575	10.00	*--	*--	0.48	12.42	1100	3	7	4.3	4.26	16.68	11.18	8.68	0.145
3	425	8.00	5825	7.74	0.48	11.50	100	2	3	3.25	0.51	12.02	8.05	5.55	0.093
4	350	11.00	7500	5.81	0.45	9.84	75	2.7	1	3.4	0.37	10.21	6.84	4.34	0.072
5	75	2.67	4375	9.96	0.51	6.63	1050	3.62	2	3.80	4.61	11.24	7.53	5.03	0.084
6	1250	6.64	125000	0.35	0.27	28.10	850	0.82	12	3.10	4.57	32.67	21.89	19.39	0.323
7	425	8.94	15625	2.79	0.30	12.69	300	0.67	2	1.90	2.83	15.33	10.27	7.77	0.129
8	275	2.91	6250	6.97	0.47	13.17	600	5.87	3	5.00	2.00	15.17	10.17	7.67	0.128
9	750	7.47	11250	3.87	0.4	17.65	475	0.42	6	2.00	3.98	21.61	14.48	11.98	0.200
9a	300	5.00	16250	2.88	0.37	13.31	375	5.87	5	5.50	1.14	14.45	9.68	7.18	0.120
9b	325	4.31	10000	4.36	0.41	13.76	375	8.00	4	6.10	1.02	14.79	9.91	7.41	0.123
10	125	8.00	7500	5.81	0.45	6.54	825	4.61	7	5.20	2.64	9.18	6.15	3.65	0.061
11	500	4.80	2300	18.94	0.6	11.93	950	2.11	12	4.30	3.68	15.61	10.48	7.98	0.133

1 Length of overland flow along longest flowpath based on HEC-1 workmap

2 Slope measurement based on HEC-1 workmap

3 Approximate area of representative parcel in overland flow portion of watershed

4 Runoff coefficient based on Table 3-1 in the San Diego County Hydrology Manual

5 Initial time of concentration of overland flow based on the equation: $T_i = 1.8(1.1 - C)\sqrt{D}/(s^{1/3})$ from Figure 3-5 in San Diego County Hydrology Manual

6 Based on HEC-1

7 Based on Figure 3-6 in San Diego County Hydrology Manual

8 $T_i = D/V$, then divide by 60 to convert to minutes

9 $T_c = T_i + T_s$

10 $T_p = 0.67 T_c$ based on Eq. 4-22 in San Diego County Hydrology Manual

11 $T_t = T_p - D/2$, where D is the period of effective rainfall (assumed 5 minutes for this project), based on Eq. 4-20 in San Diego County Hydrology Manual

* See hand calcs.

Table 3-1

RUNOFF COEFFICIENTS FOR URBAN AREAS

Land Use		Runoff Coefficient "C"				
NRCS Elements	County Elements	% IMPER.	Soil Type			
			A	B	C	D
Undisturbed Natural Terrain	Permanent Open Space	0*	0.20	0.25	0.30	0.35
Low	Residential, 1.0 DU/A or less	10	0.27	0.32	0.36	0.41
Low	Residential, 2.0 DU/A or less	20	0.34	0.38	0.42	0.46
Low	Residential, 2.9 DU/A or less	25	0.38	0.41	0.45	0.49
Medium Density Residential	Residential, 4.3 DU/A or less	30	0.41	0.45	0.48	0.52
Medium Density Residential	Residential, 7.3 DU/A or less	40	0.48	0.51	0.54	0.57
Medium Density Residential	Residential, 10.9 DU/A or less	45	0.52	0.54	0.57	0.60
Medium Density Residential	Residential, 14.5 DU/A or less	50	0.55	0.58	0.60	0.63
High Density Residential	Residential, 24.0 DU/A or less	65	0.66	0.67	0.69	0.71
High Density Residential	Residential, 43.0 DU/A or less	80	0.76	0.77	0.78	0.79
Commercial/Industrial	Neighborhood Commercial	80	0.76	0.77	0.78	0.79
Commercial/Industrial	General Commercial	85	0.80	0.80	0.81	0.82
Commercial/Industrial	Office Professional/Commercial	90	0.83	0.84	0.84	0.85
Commercial/Industrial	Limited Industrial	90	0.83	0.84	0.84	0.85
Commercial/Industrial	General Industrial	95	0.95	0.95	0.95	0.95

*The values associated with 0% impervious may be used for direct calculation of the runoff coefficient as described in Section 3.1.2 (representing the pervious runoff coefficient, C_p , for the soil type), or for areas that will remain undisturbed in perpetuity. Justification must be given that the area will remain natural forever (e.g., the area is located in Cleveland National Forest).

DU/A = dwelling units per acre

NRCS = National Resources Conservation Service

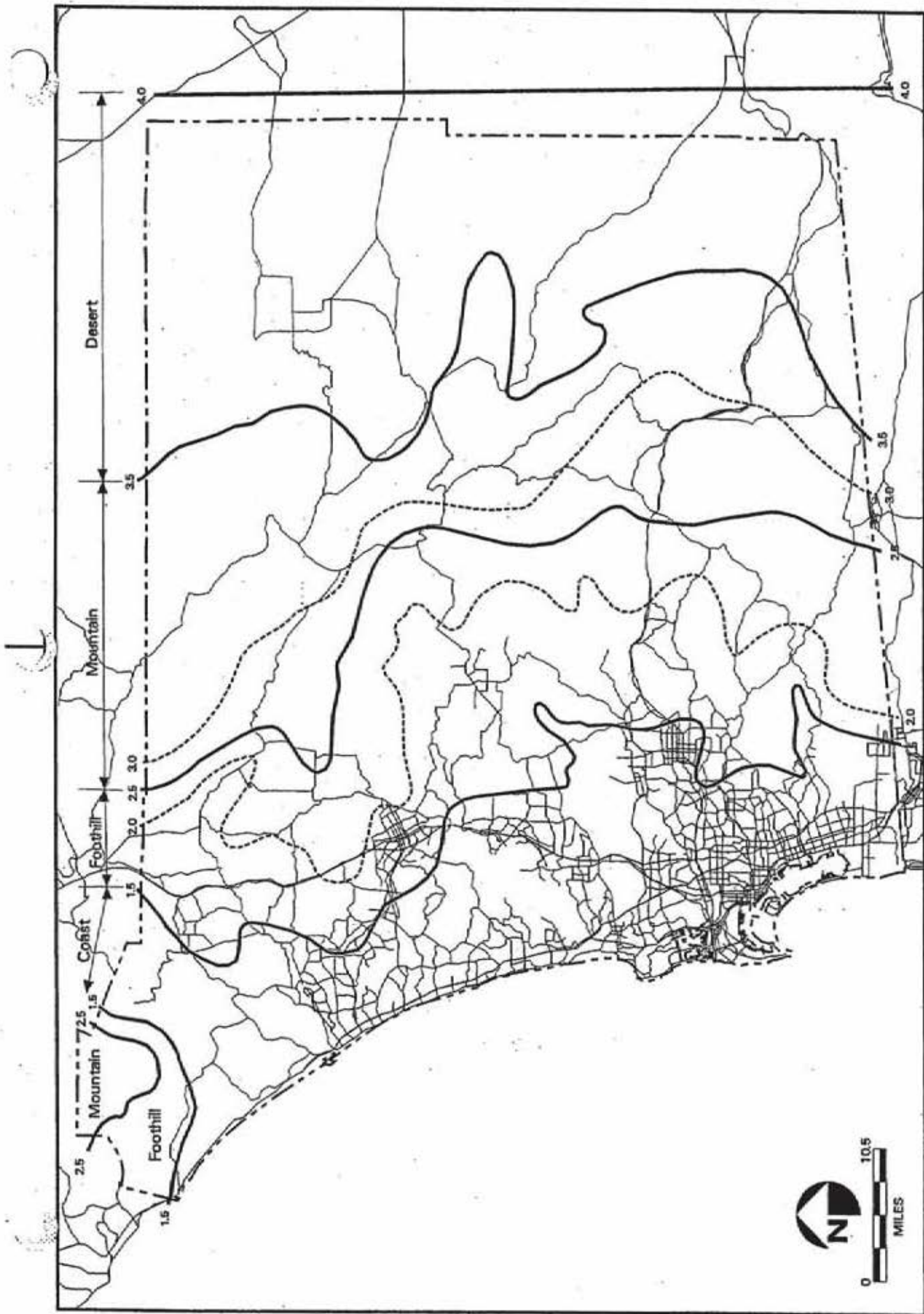
Table 4-2
RUNOFF CURVE NUMBERS¹ FOR PZn CONDITION = 2.0

Cover Description	Cover Treatment or Practice ²	Hydrologic Condition ³	Average Percent Impervious Area ⁴	Curve Numbers for Hydrologic Soil Groups:			
				A	B	C	D
Developing urban areas and newly graded areas (pervious areas only, no vegetation).....				77	86	91	94
Impervious areas: Paved parking lots, roofs, and driveways (excluding right-of-way).....				98	98	98	98
Residential districts by average lot size: ⁴							
1/8 acre or less (town houses).....			65%	77	85	90	92
1/4 acre.....			38%	61	75	83	87
1/3 acre.....			30%	57	72	81	86
1/2 acre.....			25%	54	70	80	85
1 acre.....			20%	51	68	79	84
2 acres.....			12%	46	65	77	82
Streets and roads.....	Paved; curbs and storm drains (excluding right-of-way).....			98	98	98	98
	Paved; open ditches (including right-of-way).....			83	89	92	93
	Gravel (including right-of-way).....			76	85	89	91
	Hard surface (including right-of-way).....			74	84	90	92
	Dirt (including right-of-way).....			72	82	87	89
Urban districts ⁴	Commercial and business.....		85%	89	92	94	95
	Industrial.....		72%	81	88	91	93
Western desert urban areas:							
Natural desert landscaping (pervious areas only) ⁵				63	77	85	88
Artificial desert landscaping (impervious weed barrier, desert shrub with 1- to 2-inch sand or gravel mulch and basin borders).....				96	96	96	96

Table 4-10

RUNOFF CURVE NUMBERS FOR PZN CONDITIONS 1.0, 2.0, AND 3.0

CN For:			CN For:		
PZN Condition =	PZN Condition =	PZN Condition =	PZN Condition =	PZN Condition =	PZN Condition =
1.0	2.0	3.0	1.0	2.0	3.0
100	100	100	40	60	78
97	99	100	39	59	77
94	98	99	38	58	76
91	97	99	37	57	75
89	96	99	37	56	75
87	95	98	34	55	73
85	94	98	34	54	73
83	93	98	33	53	72
81	92	97	32	52	71
80	91	97	31	51	70
78	90	96	31	50	70
76	89	96	30	49	69
75	88	95	29	48	68
73	87	95	28	47	67
72	86	94	27	46	66
70	85	94	26	45	65
68	84	93	25	44	64
67	83	93	25	43	63
66	82	92	24	42	62
64	81	92	23	41	61
63	80	91	22	40	60
62	79	91	21	39	59
60	78	90	21	38	58
59	77	89	20	37	57
58	76	89	19	36	56
57	75	88	18	35	55
55	74	88	18	34	54
54	73	87	17	33	53
53	72	86	16	32	52
52	71	86	16	31	51
51	70	85	15	30	50
50	69	84			
48	68	84	12	25	43
47	67	83	9	20	37
46	66	82	6	15	30
45	65	82	4	10	22
44	64	81	2	5	13
43	63	80	0	0	0
42	62	79			
41	61	78			

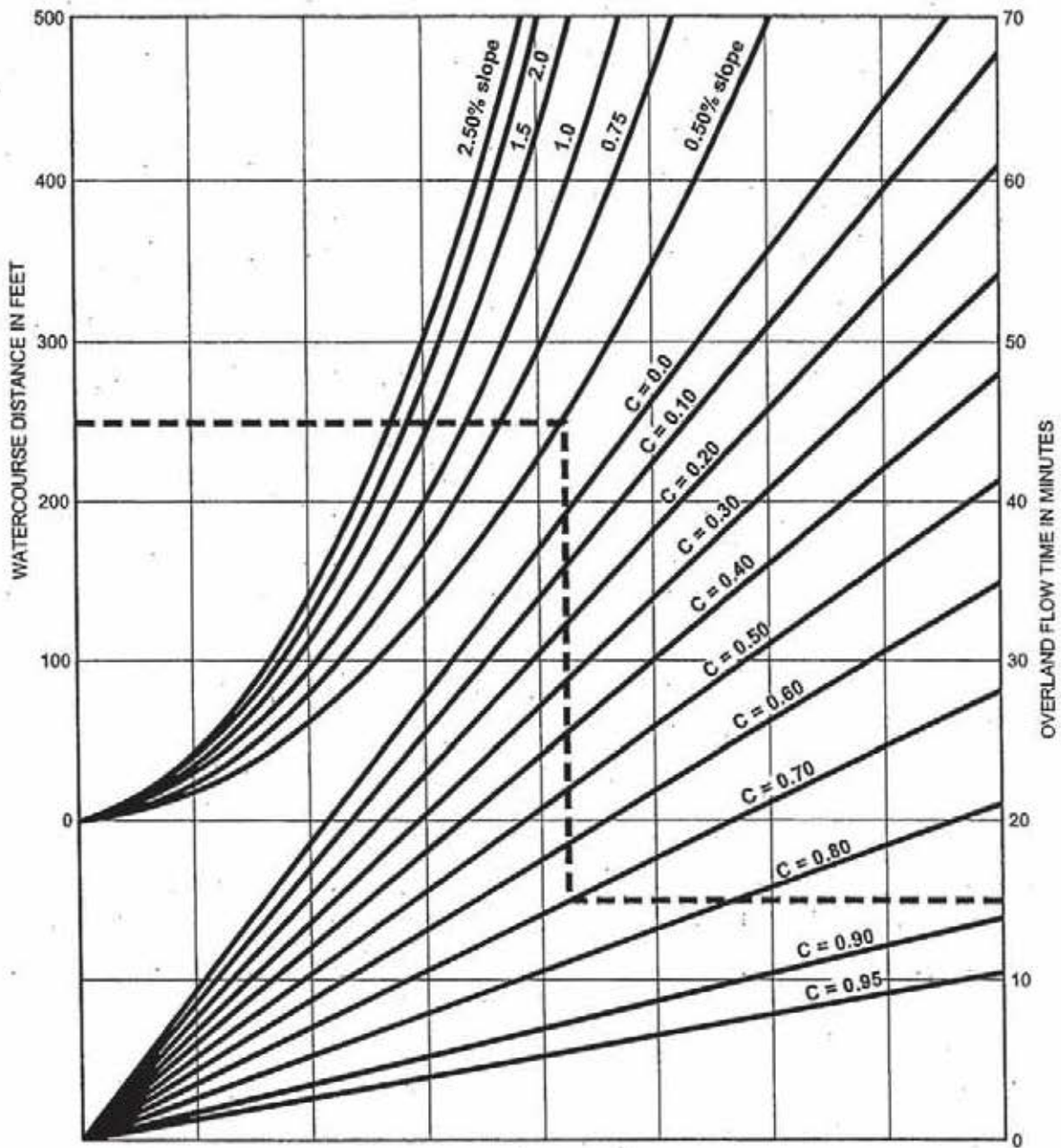


FIGURE

C-1

County of San Diego Hydrology Manual
 Precipitation Zone Numbers (PZN)





EXAMPLE:

Given: Watercourse Distance (D) = 250 Feet
 Slope (s) = 0.5%
 Runoff Coefficient (C) = 0.70
 Overland Flow Time (T) = 14.3 Minutes

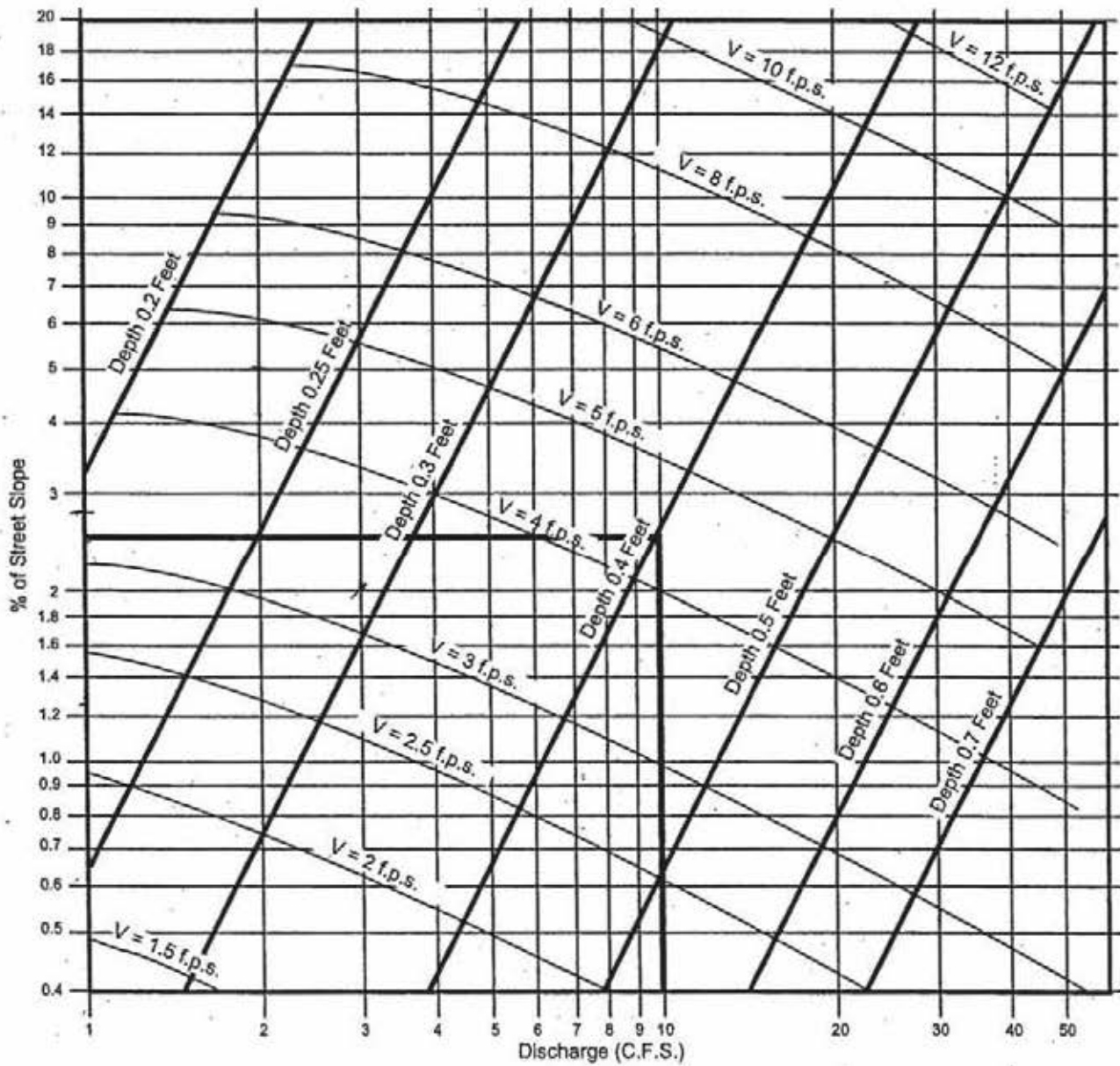
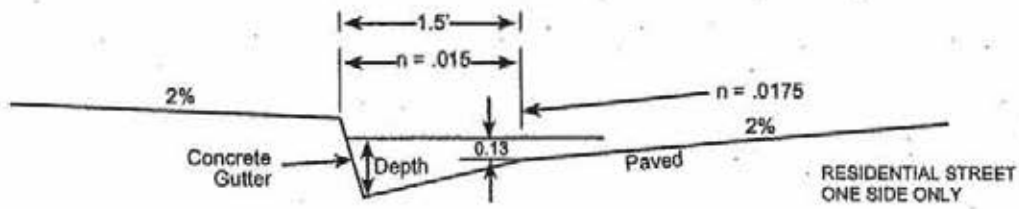
$$T = \frac{1.8 (1.1-C) \sqrt{D}}{\sqrt[3]{s}}$$

SOURCE: Airport Drainage, Federal Aviation Administration, 1965

FIGURE

Rational Formula - Overland Time of Flow Nomograph

3-5



EXAMPLE:
 Given: $Q = 10$ $S = 2.5\%$
 Chart gives: Depth = 0.4, Velocity = 4.4 f.p.s.

SOURCE: San Diego County Department of Special District Services Design Manual





Gutter and Roadway Discharge - Velocity Chart

FIGURE

3-6

County of San Diego Precipitation Map

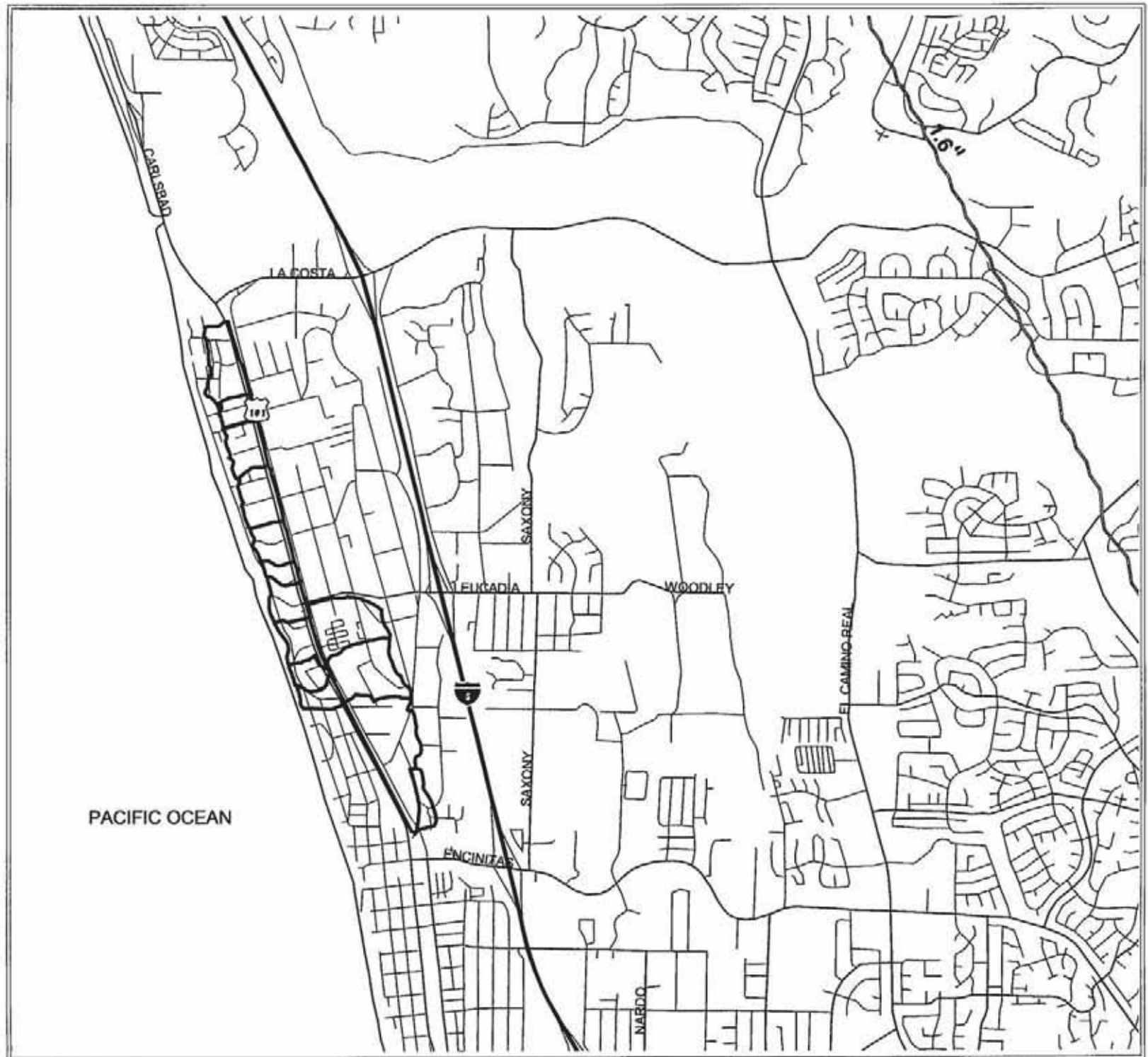
Legend:

-  6 Hour, 5 Year Iso Contour
-  Basins
-  Freeways
-  Roads

Encinitas
JN: 14413
May 28, 2003







0 3000 Feet



County of San Diego Precipitation Map

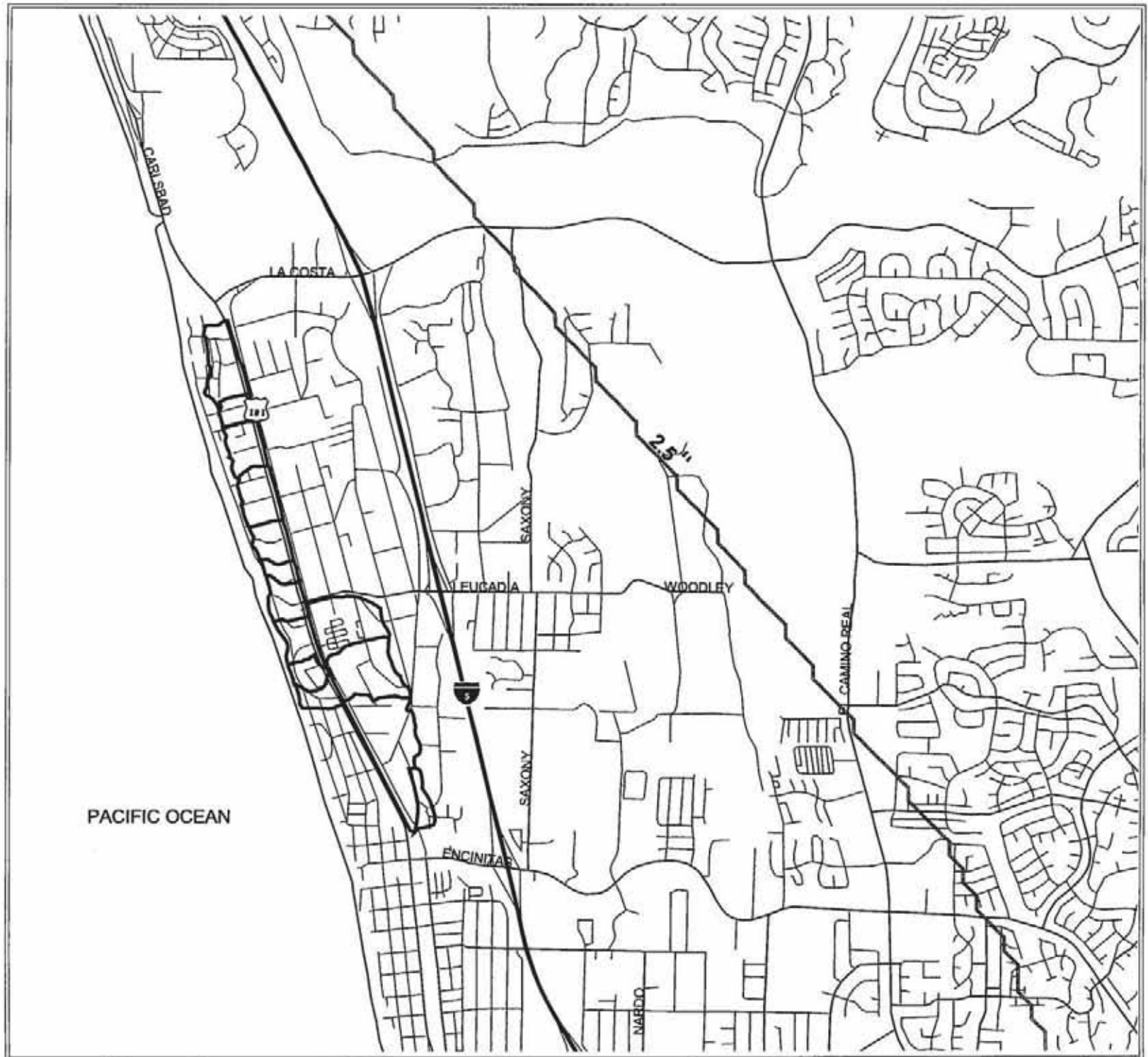
Legend:

-  24 Hour, 5 Year Iso Contour
-  Basins
-  Freeways
-  Roads








Encinitas
JN: 14413
May 28, 2003



0 3000 Feet



Legend:

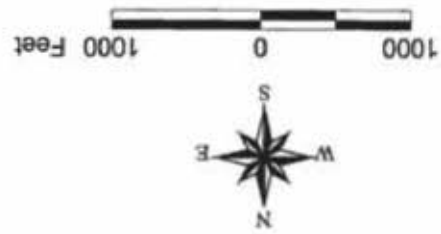
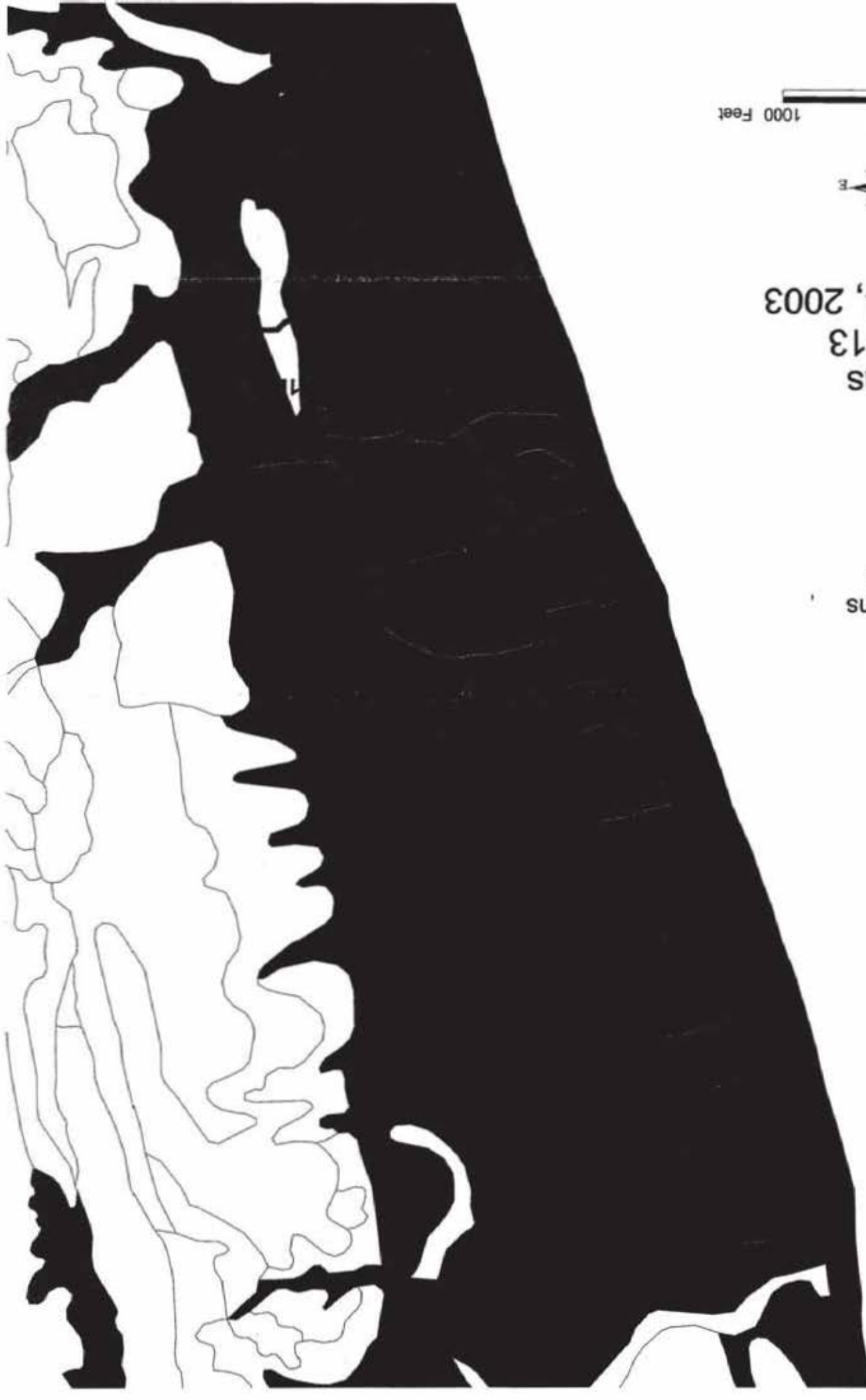
-  Basins
- Land Uses
 -  C
 -  I
 -  MH
 -  MU
 -  R
 -  SF

Encinitas
JN: 14413
June 24, 2003

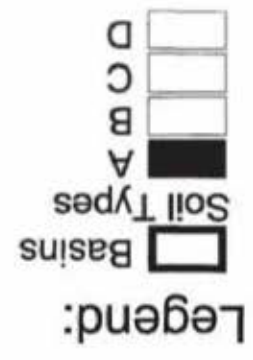


1000 0 1000 Feet





Encinitas
JN: 14413
June 24, 2003



APPENDIX B

Historic Condition HEC-1 Hydrologic Analysis 5-year Storm Event

```

*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 1998
* VERSION 4.1
*
* RUN DATE 18NOV03 TIME 09:02:20
*
*****

```

```

*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 756-1104
*
*****

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X X XXXXXXXX XXXXX X
X X X X X XX
X X X X X
XXXXXXXX XXXX X XXXXX X
X X X X X
X X X X X
X X XXXXXXXX XXXXX XXX

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

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

ENCINITAS
 14413
 11-18-03
 5-4R HISTORIC
 101PI-5R.hcl

```

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

          *DIAGRAM
1         ID *****
2         ID ENCINITAS- COAST HIGHWAY 101  JOB # 14413  09-12-03
3         ID FN: 101PI_5R.HC1
4         ID MODIFIED PUMP Q TO 1.7 CFS, AND ROUTING OF BASINS 9A, 9B, AND 9
5         ID FROM PUMP STATION THROUGH 10" LATERAL, CONFLUENCING
6         ID WITH MAIN LINE AT AT CONNECTION 3 INSTEAD OF CONNECTION 2
7         ID ALSO CHANGED ROUTING THROUGH MAIN LINE FROM LINE G TO CONNECTION
8         ID 2 TO LINE G TO CONNECTION 3
9         ID *****
10        ID ENCINITAS- COAST HIGHWAY 101
11        ID JOB # 14413
12        ID 05-27-03
13        ID PRE-IMPROVEMENT (HISTORIC) CONDITION      FN: 101PI_5.HC1
14        ID 5-YEAR, 6-HR STORM EVENT
15        ID LAG CALCULATION ARE BASED OFF OF NRCS METHOD
16        ID AND ARE A FUNCTION OF RUNOFF COEF. AND VELOCITY
17        ID NESTED STORM PER COUNTY OF SAN DIEGO HYDROLOGY MANUAL
18        ID COPYRIGHT 2003 RICK ENGINEERING COMPANY
19        ID 6HR RAINFALL IS 1.6 INCHES
20        ID 24HR RAINFALL IS 2.5 INCHES
21        ID TOTAL BASIN AREA IS .5 SQUARE MILES

*** FREE ***
22        IT      5 01JAN90      1200      300
23        IO      1

24        KK      1A
25        KO      0      0      0      0      21
26        IN      5 01JAN90      1200      300
27        PI .00279 .0028 .00281 .00283 .00283 .00285 .00285 .00287 .00287 .00289
28        PI .0029 .00291 .00292 .00293 .00294 .00295 .00296 .00298 .00299 .003
29        PI .00301 .00303 .00303 .00305 .00306 .00307 .00308 .0031 .00311 .00313
30        PI .00314 .00315 .00316 .00318 .00319 .00321 .00322 .00324 .00325 .0032
31        PI .00327 .00329 .0033 .00332 .00333 .00336 .00337 .00339 .0034 .00343
32        PI .00343 .00345 .00346 .00349 .0035 .00352 .00353 .00356 .00357 .00359
33        PI .00361 .00363 .00364 .00367 .00368 .00371 .00372 .00375 .00376 .0037
34        PI .00381 .00384 .00385 .00388 .00389 .00392 .00394 .00397 .00399 .0040
35        PI .00404 .00407 .00409 .00412 .00414 .00417 .00419 .00423 .00425 .0042
36        PI .0043 .00434 .00436 .0044 .00442 .00446 .00449 .00453 .00455 .0046
37        PI .00462 .00467 .00469 .00474 .00476 .00481 .00484 .00489 .00492 .0049
38        PI .005 .00506 .00508 .00514 .00517 .00524 .00527 .00533 .00537 .00543
39        PI .00547 .00554 .00557 .00565 .00569 .00577 .00581 .00589 .00593 .0060
40        PI .00606 .00615 .0062 .0063 .00635 .00645 .0065 .00661 .00667 .00679
41        PI .00684 .00697 .00703 .00795 .00802 .00817 .00825 .00841 .00849 .0086
42        PI .00876 .00895 .00904 .00925 .00935 .00958 .00969 .00994 .01007 .0103
43        PI .01048 .01078 .01094 .01128 .01145 .01183 .01203 .0125 .01273 .01323
44        PI .01349 .01407 .01439 .01507 .01545 .01628 .01674 .01777 .01835 .0196
45        PI .02043 .0222 .02325 .02612 .02766 .03159 .03419 .04135 .0471 .06916
46        PI .09744 .34926 .05547 .03744 .02945 .02443 .02127 .01898 .01724 .0159
47        PI .01472 .01378 .01297 .01225 .01164 .0111 .01063 .0102 .00982 .00946
48        PI .00914 .00885 .00858 .00833 .0081 .0071 .00691 .00673 .00656 .0064
49        PI .00625 .00611 .00597 .00585 .00573 .00561 .0055 .0054 .0053 .0052
50        PI .00511 .00503 .00494 .00486 .00479 .00471 .00464 .00457 .00451 .0044
51        PI .00438 .00432 .00427 .00421 .00416 .0041 .00405 .004 .00396 .00391
52        PI .00386 .00382 .00378 .00374 .0037 .00366 .00362 .00358 .00355 .00351
    
```


LINE	ID	1	2	3	4	5	6	7	8	9	10
78	KK	2_1_1A									
79	KM	COMBINE BASIN 1A AND BASIN 1 WITH BASIN 2									
80	HC	2									
81	KK	DET_2									
82	KM	DETAIN BASINS 1A, 1 AND 2 IN THE SUMP NEAR UNION STREET & 101									
83	RS	1	STOR	-1							
84	SA	0	0.092	3.71	8.29	8.29					
85	SQ	0	0	0	0	20					
86	SE	63	64	66	68	68.1					
		* KK RT1									
		* KM ROUTE FROM RUNOFF FROM BASIN 1, 1A, AND 2 THROUGH BASIN 6 (ALONG HW 101)									
		* RS 1 STOR -1									
		* RC 0.02 0.02 0.02 _____									
		* RX 0 5 10 15 20 25 30 35									
		* RY 2 2 1.5 1 1 1.5 2 2									
87	KK	3									
88	BA	0.02									
89	LS	0	69								
90	UD	.093									
91	KK	4									
92	BA	0.02									
93	LS	0	64								
94	UD	0.072									
95	KK	4_3									
96	KM	COMBINE BASIN 3 WITH BASIN 4									
97	HC	2									
98	KK	DET4_3									
99	KM	DETAIN BASINS 3 AND 4 IN THE SUMP AT CADMUS AND BASIL									
100	RS	1	STOR	-1							
101	SA	0	0.666	2.50	4.59	4.59					
102	SQ	0	0	0	0	20					
103	SE	55	56	58	60	60.1					
104	KK	6									
105	BA	0.06									
106	LS	0	73								
107	UD	0.323									
108	KK	DET_6									
109	KM	DETAIN ON THE EAST SIDE OF TRACKS AT THE SUMP NEAR THE MOBILE HOME PARK									
110	RS	1	STOR	-1							
111	SA	0	0.032	0.551	1.561	3.42					
112	SE	61.5	62	64	66	68					
113	SQ	0	0.78	2.82	5.67	8.26	9.91	60.72	159.88	297.20	470.45
114	SE	61.5	62	62.5	63	63.5	64	64.1	64.2	64.3	64.4

LINE	ID	1	2	3	4	5	6	7	8	9	10
115	KK	5									
116	BA	0.02									
117	LS	0	68								
118	UD	0.084									
119	KK	7									
120	BA	0.02									
121	LS	0	66								
122	UD	0.129									
123	KK	8									
124	BA	0.01									
125	LS	0	71								
126	UD	0.128									
127	KK	COMBINE									
128	KM	COMBINE BASINS 5,7,8, AND OUTFLOW FROM EAST SIDE OF TRACKS									
129	HC	4									
130	KK	DETAIN									
131	KM	DETAIN BASINS 5,7,8, AND OUTFLOW FROM EAST SIDE OF TRACKS									
132	RS	1	STOR	-1							
133	SA	0	0.296	2.54	8.28	8.28					
134	SQ	0	0	0	0	20					
135	SE	51	52	54	56	56.1					
136	KK	9A									
137	KM	BASIN 9A ULTIMATELY DRAINING TO PUMP STATION									
138	BA	0.02									
139	LS	0	69								
140	UD	0.12									
141	KK	DET9A									
142	KM	DETAIN BASIN 9A IN THE SUMP									
143	RS	1	STOR	-1							
144	SA	0	1.6	1.6							
145	SQ	0	0	20							
146	SE	53	54	54.1							
147	KK	9B									
148	KM	BASIN 9B ULTIMATELY DRAINING TO PUMP STATION									
149	BA	0.03									
150	LS	0	68								
151	UD	0.123									
152	KK	DET9B									
153	KM	DETAIN BASIN 9B IN THE SUMP									
154	RS	1	STOR	-1							
155	SA	0	1.3	5.7	5.7						
156	SQ	0	0	0	20						
157	SE	53	54	56	56.1						

LINE	ID	1	2	3	4	5	6	7	8	9	10
158	KK	9									
159	KM	BASIN 9 DRAINING TO PUMP									
160	BA	0.04									
161	LS	0	69								
162	UD	0.200									
163	KK	CON_2									
164	KM	Q DRAINING TO THE PUMP									
165	HC	3									
166	KK	PUMP									
167	KM	DETAIN FOR PUMP STATION / BEGIN 10" PIPE AT "CONNECTION 2"									
168	KM	PUMP CAPACITY IS 1.7 CFS									
169	KM	ASSUME PUMP TURNS ON IMMEDIATELY (EL. 50.1)									
170	RS	1	STOR	-1							
171	SA	0	.001	.064	1.507	2.88	2.88	4.66			
172	SQ	0	1.7	1.7	1.7	1.7	1.7	1.7			
173	SE	50	50.1	52	53	54	54.1	56			
174	KK	RT_23									
175	KO	0	0	0	0	21					
176	KM	ROUTE FROM "CONNECTION 2 TO CONNECTION 3"									
177	KM	THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 0.74' X 0.74' BOX, WHICH HAS									
178	KM	THE SAME X-SECTIONAL AREA AS A 10" PIPE ***HAD TO CHANGE XS AREA DUE TO									
179	KM	WARNINGS IN OUTPUT									
180	RS	3	STOR	-1							
181	RC	.013	.013	.013	2425	0.0025					
182	RX	1	2	5	5	6	6	7	8		
183	RY	1.74	1.74	1.74	1	1	1.74	1.74	1.74		
184	KK	10_CON3									
185	KM	BASIN 10 DRAINING TO "CONNECTION 3"									
186	BA	0.02									
187	LS	0	71								
188	UD	0.061									
189	KK	MAIN_3									
190	KM	Q IN MAIN LINE AFTER CONFLUENCE WITH CONNECTION 3									
191	HC	2									
192	KK	RT_34									
193	KO	0	0	0	0	21					
194	KM	ROUTE FROM CONNECTION 3 TO CONNECTION 4 THROUGH 24" PIPE									
195	KM	THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 1.8' X 1.8' BOX, WHICH HAS									
196	KM	THE SAME X-SECTIONAL AREA AS A 24" PIPE									
197	RS	2	STOR	-1							
198	RC	.013	.013	.013	1225	0.0025					
199	RX	1	2	5	5	6.8	6.8	7	8		
200	RY	2.8	2.8	2.8	1	1	2.8	2.8	2.8		

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
201	KK 11_CON4
202	KM BASIN 11 DRAINING TO 24" LINE
203	BA 0.04
204	LS 0 71
205	UD 0.133
206	KXMAIN_END
207	KM Q IN 24" MAIN LINE AFTER CONFLUENCE WITH BASIN 11
208	HC 2
209	ZZ

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT LINE	(V) ROUTING	(--->) DIVERSION OR PUMP FLOW		
NO.	(.) CONNECTOR	(<---) RETURN OF DIVERTED OR PUMPED FLOW		
24	1A			
	V			
	V			
61	RT1A			
	.			
	.			
67	.	1		
	.	.		
	.	.		
71	1_1A.....			
	.			
	.			
74	.	2		
	.	.		
	.	.		
78	2_1_1A.....			
	V			
	V			
81	DET_2			
	.			
	.			
87	.	3		
	.	.		
	.	.		
91	.	4		
	.	.		
	.	.		
95	.	4_3.....		
	.	V		
	.	V		
98	.	DET4_3		
	.	.		
	.	.		
104	.	6		
	.	V		
	.	V		
108	.	DET_6		
	.	.		
	.	.		
115	.	5		
	.	.		
	.	.		
119	.	.	7	
	.	.	.	
	.	.	.	
123	.	.	.	8

127	.	COMBINE.....		
	.	V		
	.	V		
130	.	DETAIN		
	.	.		

136	.	.	.	9A		
	.	.	.	V		
	.	.	.	V		
141	.	.	.	DET9A		
		
147	.	.	.	.	9B	
	.	.	.	.	V	
	.	.	.	.	V	
152	.	.	.	.	DET	
	
158	.	.	.	.	.	9

163	.	.	.	CON_2	.....
	.	.	.	V		
	.	.	.	V		
166	.	.	.	PUMP		
	.	.	.	V		
	.	.	.	V		
174	.	.	.	RT_23		
		
184	.	.	.	.	10_CON3	
	
189	.	.	.	MAIN_3	.....
	.	.	.	V		
	.	.	.	V		
192	.	.	.	RT_34		
		
201	.	.	.	.	11_CON4	
	
206	.	.	.	MAIN_END	.....

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```

*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
*   JUN 1998
*   VERSION 4.1
*
* RUN DATE 18NOV03 TIME 09:02:20
*
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
*   609 SECOND STREET
*   DAVIS, CALIFORNIA 95616
*   (916) 756-1104
*
*****

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*****
ENCINITAS- COAST HIGHWAY 101 JOB # 14413 09-12-03
FN: 101PI_5R.HC1
MODIFIED PUMP Q TO 1.7 CFS, AND ROUTING OF BASINS 9A, 9B, AND 9
FROM PUMP STATION THROUGH 10" LATERAL, CONFLUENCING
WITH MAIN LINE AT AT CONNECTION 3 INSTEAD OF CONNECTION 2
ALSO CHANGED ROUTING THROUGH MAIN LINE FROM LINE G TO CONNECTION
2 TO LINE G TO CONNECTION 3
*****

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*****
ENCINITAS- COAST HIGHWAY 101
JOB # 14413
05-27-03
PRE-IMPROVEMENT (HISTORIC) CONDITION FN: 101PI_5.HC1
5-YEAR, 6-HR STORM EVENT
LAG CALCULATION ARE BASED OFF OF NRCS METHOD
AND ARE A FUNCTION OF RUNOFF COEF. AND VELOCITY
NESTED STORM PER COUNTY OF SAN DIEGO HYDROLOGY MANUAL
COPYRIGHT 2003 RICK ENGINEERING COMPANY
6HR RAINFALL IS 1.6 INCHES
24HR RAINFALL IS 2.5 INCHES
TOTAL BASIN AREA IS .5 SQUARE MILES

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23 IO OUTPUT CONTROL VARIABLES
      IPRNT      1 PRINT CONTROL
      IPLOT      0 PLOT CONTROL
      QSCAL      0. HYDROGRAPH PLOT SCALE

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IT HYDROGRAPH TIME DATA
      NMIN      5 MINUTES IN COMPUTATION INTERVAL
      IDATE     1JAN90 STARTING DATE
      ITIME     1200 STARTING TIME
      NQ        300 NUMBER OF HYDROGRAPH ORDINATES
      NDDATE    2JAN90 ENDING DATE
      NDTIME    1255 ENDING TIME
      ICENT     19 CENTURY MARK

```

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      COMPUTATION INTERVAL .08 HOURS
      TOTAL TIME BASE 24.92 HOURS

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

```


.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

59 LS SCS LOSS RATE
 STRTL 1.33 INITIAL ABSTRACTION
 CRVNR 60.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

60 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .14 LAG

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

UNIT HYDROGRAPH
 10 END-OF-PERIOD ORDINATES

11. 27. 21. 10. 5. 2. 1. 0. 0. 0.

HYDROGRAPH AT STATION 1A

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.02	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.02	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.

1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.05	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.07	.00	0.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.10	.00	0.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.32	.03	0.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.05	.01	1.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	1.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.00	1.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.00	1.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.00	0.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.02	.00	0.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	0.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	0.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	0.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	0.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	0.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	0.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	0.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	0.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	0.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	0.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	0.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	0.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.01	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.01	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.01	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.01	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.

1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.

2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.32, TOTAL EXCESS = .17

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
1.	16.08	(CFS)	0.	0.	0.	0.
		(INCHES)	.150	.172	.172	.172
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .01 SQ MI

* * * * *

61 KX * RT1A *

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ROUTE RUNOFF FROM BASIN 1A THROUGH BASIN 1 (ALONG HW 101)

HYDROGRAPH ROUTING DATA

63 RS STORAGE ROUTING

NSTPS	3	NUMBER OF SUBREACHES
ITYP	STOR	TYPE OF INITIAL CONDITION
RSVRIC	-1.00	INITIAL CONDITION
X	.00	WORKING R AND D COEFFICIENT

64 RC NORMAL DEPTH CHANNEL

ANL	.020	LEFT OVBANK N-VALUE
ANCH	.020	MAIN CHANNEL N-VALUE
ANR	.020	RIGHT OVBANK N-VALUE
RLNTH	3225.	REACH LENGTH
SEL	.0068	ENERGY SLOPE
EIMAX	.0	MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVBANK ---	+	----- MAIN CHANNEL -----	+	--- RIGHT OVBANK ---			
66 RY	ELEVATION	2.00	2.00	1.50	1.00	1.00	1.50	2.00	2.00
65 RX	DISTANCE	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.05	.08	.11	.15	.19	.24	.29	.34
OUTFLOW	.00	.24	.78	1.61	2.73	4.15	5.89	7.96	10.39	13.19
ELEVATION	1.00	1.05	1.11	1.16	1.21	1.26	1.32	1.37	1.42	1.47
STORAGE	.40	.46	.53	.60	.67	.75	.84	.92	1.02	1.11
OUTFLOW	16.73	21.04	25.83	31.10	36.88	43.18	50.02	57.41	65.38	71.69

ELEVATION 1.53 1.58 1.63 1.68 1.74 1.79 1.84 1.89 1.95 2.00

HYDROGRAPH AT STATION RT1A

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.0	1.0	1	JAN	2020	101	0.	.0	1.0	2	JAN	0440	201	0.	.0	1.1
1	JAN	1205	2	0.	.0	1.0	1	JAN	2025	102	0.	.0	1.0	2	JAN	0445	202	0.	.0	1.1
1	JAN	1210	3	0.	.0	1.0	1	JAN	2030	103	0.	.0	1.0	2	JAN	0450	203	0.	.0	1.1
1	JAN	1215	4	0.	.0	1.0	1	JAN	2035	104	0.	.0	1.0	2	JAN	0455	204	0.	.0	1.1
1	JAN	1220	5	0.	.0	1.0	1	JAN	2040	105	0.	.0	1.0	2	JAN	0500	205	0.	.0	1.1
1	JAN	1225	6	0.	.0	1.0	1	JAN	2045	106	0.	.0	1.0	2	JAN	0505	206	0.	.0	1.1
1	JAN	1230	7	0.	.0	1.0	1	JAN	2050	107	0.	.0	1.0	2	JAN	0510	207	0.	.0	1.1
1	JAN	1235	8	0.	.0	1.0	1	JAN	2055	108	0.	.0	1.0	2	JAN	0515	208	0.	.0	1.1
1	JAN	1240	9	0.	.0	1.0	1	JAN	2100	109	0.	.0	1.0	2	JAN	0520	209	0.	.0	1.1
1	JAN	1245	10	0.	.0	1.0	1	JAN	2105	110	0.	.0	1.0	2	JAN	0525	210	0.	.0	1.1
1	JAN	1250	11	0.	.0	1.0	1	JAN	2110	111	0.	.0	1.0	2	JAN	0530	211	0.	.0	1.1
1	JAN	1255	12	0.	.0	1.0	1	JAN	2115	112	0.	.0	1.0	2	JAN	0535	212	0.	.0	1.1
1	JAN	1300	13	0.	.0	1.0	1	JAN	2120	113	0.	.0	1.0	2	JAN	0540	213	0.	.0	1.1
1	JAN	1305	14	0.	.0	1.0	1	JAN	2125	114	0.	.0	1.0	2	JAN	0545	214	0.	.0	1.0
1	JAN	1310	15	0.	.0	1.0	1	JAN	2130	115	0.	.0	1.0	2	JAN	0550	215	0.	.0	1.0
1	JAN	1315	16	0.	.0	1.0	1	JAN	2135	116	0.	.0	1.0	2	JAN	0555	216	0.	.0	1.0
1	JAN	1320	17	0.	.0	1.0	1	JAN	2140	117	0.	.0	1.0	2	JAN	0600	217	0.	.0	1.0
1	JAN	1325	18	0.	.0	1.0	1	JAN	2145	118	0.	.0	1.0	2	JAN	0605	218	0.	.0	1.0
1	JAN	1330	19	0.	.0	1.0	1	JAN	2150	119	0.	.0	1.0	2	JAN	0610	219	0.	.0	1.0
1	JAN	1335	20	0.	.0	1.0	1	JAN	2155	120	0.	.0	1.0	2	JAN	0615	220	0.	.0	1.0
1	JAN	1340	21	0.	.0	1.0	1	JAN	2200	121	0.	.0	1.0	2	JAN	0620	221	0.	.0	1.0
1	JAN	1345	22	0.	.0	1.0	1	JAN	2205	122	0.	.0	1.0	2	JAN	0625	222	0.	.0	1.0
1	JAN	1350	23	0.	.0	1.0	1	JAN	2210	123	0.	.0	1.0	2	JAN	0630	223	0.	.0	1.0
1	JAN	1355	24	0.	.0	1.0	1	JAN	2215	124	0.	.0	1.0	2	JAN	0635	224	0.	.0	1.0
1	JAN	1400	25	0.	.0	1.0	1	JAN	2220	125	0.	.0	1.0	2	JAN	0640	225	0.	.0	1.0
1	JAN	1405	26	0.	.0	1.0	1	JAN	2225	126	0.	.0	1.0	2	JAN	0645	226	0.	.0	1.0
1	JAN	1410	27	0.	.0	1.0	1	JAN	2230	127	0.	.0	1.0	2	JAN	0650	227	0.	.0	1.0
1	JAN	1415	28	0.	.0	1.0	1	JAN	2235	128	0.	.0	1.0	2	JAN	0655	228	0.	.0	1.0
1	JAN	1420	29	0.	.0	1.0	1	JAN	2240	129	0.	.0	1.0	2	JAN	0700	229	0.	.0	1.0
1	JAN	1425	30	0.	.0	1.0	1	JAN	2245	130	0.	.0	1.0	2	JAN	0705	230	0.	.0	1.0
1	JAN	1430	31	0.	.0	1.0	1	JAN	2250	131	0.	.0	1.0	2	JAN	0710	231	0.	.0	1.0
1	JAN	1435	32	0.	.0	1.0	1	JAN	2255	132	0.	.0	1.0	2	JAN	0715	232	0.	.0	1.0
1	JAN	1440	33	0.	.0	1.0	1	JAN	2300	133	0.	.0	1.0	2	JAN	0720	233	0.	.0	1.0
1	JAN	1445	34	0.	.0	1.0	1	JAN	2305	134	0.	.0	1.0	2	JAN	0725	234	0.	.0	1.0
1	JAN	1450	35	0.	.0	1.0	1	JAN	2310	135	0.	.0	1.0	2	JAN	0730	235	0.	.0	1.0
1	JAN	1455	36	0.	.0	1.0	1	JAN	2315	136	0.	.0	1.0	2	JAN	0735	236	0.	.0	1.0
1	JAN	1500	37	0.	.0	1.0	1	JAN	2320	137	0.	.0	1.0	2	JAN	0740	237	0.	.0	1.0
1	JAN	1505	38	0.	.0	1.0	1	JAN	2325	138	0.	.0	1.0	2	JAN	0745	238	0.	.0	1.0
1	JAN	1510	39	0.	.0	1.0	1	JAN	2330	139	0.	.0	1.0	2	JAN	0750	239	0.	.0	1.0
1	JAN	1515	40	0.	.0	1.0	1	JAN	2335	140	0.	.0	1.0	2	JAN	0755	240	0.	.0	1.0
1	JAN	1520	41	0.	.0	1.0	1	JAN	2340	141	0.	.0	1.0	2	JAN	0800	241	0.	.0	1.0
1	JAN	1525	42	0.	.0	1.0	1	JAN	2345	142	0.	.0	1.0	2	JAN	0805	242	0.	.0	1.0
1	JAN	1530	43	0.	.0	1.0	1	JAN	2350	143	0.	.0	1.0	2	JAN	0810	243	0.	.0	1.0
1	JAN	1535	44	0.	.0	1.0	1	JAN	2355	144	0.	.0	1.0	2	JAN	0815	244	0.	.0	1.0
1	JAN	1540	45	0.	.0	1.0	2	JAN	0000	145	0.	.0	1.0	2	JAN	0820	245	0.	.0	1.0
1	JAN	1545	46	0.	.0	1.0	2	JAN	0005	146	0.	.0	1.0	2	JAN	0825	246	0.	.0	1.0
1	JAN	1550	47	0.	.0	1.0	2	JAN	0010	147	0.	.0	1.0	2	JAN	0830	247	0.	.0	1.0
1	JAN	1555	48	0.	.0	1.0	2	JAN	0015	148	0.	.0	1.0	2	JAN	0835	248	0.	.0	1.0
1	JAN	1600	49	0.	.0	1.0	2	JAN	0020	149	0.	.0	1.0	2	JAN	0840	249	0.	.0	1.0

1 JAN 1605 50	0.	.0	1.0 *	2 JAN 0025 150	0.	.0	1.0 *	2 JAN 0845 250	0.	.0	1.0
1 JAN 1610 51	0.	.0	1.0 *	2 JAN 0030 151	0.	.0	1.0 *	2 JAN 0850 251	0.	.0	1.0
1 JAN 1615 52	0.	.0	1.0 *	2 JAN 0035 152	0.	.0	1.0 *	2 JAN 0855 252	0.	.0	1.0
1 JAN 1620 53	0.	.0	1.0 *	2 JAN 0040 153	0.	.0	1.0 *	2 JAN 0900 253	0.	.0	1.0
1 JAN 1625 54	0.	.0	1.0 *	2 JAN 0045 154	0.	.0	1.0 *	2 JAN 0905 254	0.	.0	1.0
1 JAN 1630 55	0.	.0	1.0 *	2 JAN 0050 155	0.	.0	1.0 *	2 JAN 0910 255	0.	.0	1.0
1 JAN 1635 56	0.	.0	1.0 *	2 JAN 0055 156	0.	.0	1.0 *	2 JAN 0915 256	0.	.0	1.0
1 JAN 1640 57	0.	.0	1.0 *	2 JAN 0100 157	0.	.0	1.0 *	2 JAN 0920 257	0.	.0	1.0
1 JAN 1645 58	0.	.0	1.0 *	2 JAN 0105 158	0.	.0	1.0 *	2 JAN 0925 258	0.	.0	1.0
1 JAN 1650 59	0.	.0	1.0 *	2 JAN 0110 159	0.	.0	1.0 *	2 JAN 0930 259	0.	.0	1.0
1 JAN 1655 60	0.	.0	1.0 *	2 JAN 0115 160	0.	.0	1.0 *	2 JAN 0935 260	0.	.0	1.0
1 JAN 1700 61	0.	.0	1.0 *	2 JAN 0120 161	0.	.0	1.0 *	2 JAN 0940 261	0.	.0	1.0
1 JAN 1705 62	0.	.0	1.0 *	2 JAN 0125 162	0.	.0	1.0 *	2 JAN 0945 262	0.	.0	1.0
1 JAN 1710 63	0.	.0	1.0 *	2 JAN 0130 163	0.	.0	1.0 *	2 JAN 0950 263	0.	.0	1.0
1 JAN 1715 64	0.	.0	1.0 *	2 JAN 0135 164	0.	.0	1.0 *	2 JAN 0955 264	0.	.0	1.0
1 JAN 1720 65	0.	.0	1.0 *	2 JAN 0140 165	0.	.0	1.0 *	2 JAN 1000 265	0.	.0	1.0
1 JAN 1725 66	0.	.0	1.0 *	2 JAN 0145 166	0.	.0	1.0 *	2 JAN 1005 266	0.	.0	1.0
1 JAN 1730 67	0.	.0	1.0 *	2 JAN 0150 167	0.	.0	1.0 *	2 JAN 1010 267	0.	.0	1.0
1 JAN 1735 68	0.	.0	1.0 *	2 JAN 0155 168	0.	.0	1.0 *	2 JAN 1015 268	0.	.0	1.0
1 JAN 1740 69	0.	.0	1.0 *	2 JAN 0200 169	0.	.0	1.0 *	2 JAN 1020 269	0.	.0	1.0
1 JAN 1745 70	0.	.0	1.0 *	2 JAN 0205 170	0.	.0	1.0 *	2 JAN 1025 270	0.	.0	1.0
1 JAN 1750 71	0.	.0	1.0 *	2 JAN 0210 171	0.	.0	1.0 *	2 JAN 1030 271	0.	.0	1.0
1 JAN 1755 72	0.	.0	1.0 *	2 JAN 0215 172	0.	.0	1.0 *	2 JAN 1035 272	0.	.0	1.0
1 JAN 1800 73	0.	.0	1.0 *	2 JAN 0220 173	0.	.0	1.0 *	2 JAN 1040 273	0.	.0	1.0
1 JAN 1805 74	0.	.0	1.0 *	2 JAN 0225 174	0.	.0	1.0 *	2 JAN 1045 274	0.	.0	1.0
1 JAN 1810 75	0.	.0	1.0 *	2 JAN 0230 175	0.	.0	1.0 *	2 JAN 1050 275	0.	.0	1.0
1 JAN 1815 76	0.	.0	1.0 *	2 JAN 0235 176	0.	.0	1.0 *	2 JAN 1055 276	0.	.0	1.0
1 JAN 1820 77	0.	.0	1.0 *	2 JAN 0240 177	0.	.0	1.0 *	2 JAN 1100 277	0.	.0	1.0
1 JAN 1825 78	0.	.0	1.0 *	2 JAN 0245 178	0.	.0	1.0 *	2 JAN 1105 278	0.	.0	1.0
1 JAN 1830 79	0.	.0	1.0 *	2 JAN 0250 179	0.	.0	1.0 *	2 JAN 1110 279	0.	.0	1.0
1 JAN 1835 80	0.	.0	1.0 *	2 JAN 0255 180	0.	.0	1.0 *	2 JAN 1115 280	0.	.0	1.0
1 JAN 1840 81	0.	.0	1.0 *	2 JAN 0300 181	0.	.0	1.0 *	2 JAN 1120 281	0.	.0	1.0
1 JAN 1845 82	0.	.0	1.0 *	2 JAN 0305 182	0.	.0	1.0 *	2 JAN 1125 282	0.	.0	1.0
1 JAN 1850 83	0.	.0	1.0 *	2 JAN 0310 183	0.	.0	1.0 *	2 JAN 1130 283	0.	.0	1.0
1 JAN 1855 84	0.	.0	1.0 *	2 JAN 0315 184	0.	.0	1.0 *	2 JAN 1135 284	0.	.0	1.0
1 JAN 1900 85	0.	.0	1.0 *	2 JAN 0320 185	0.	.0	1.0 *	2 JAN 1140 285	0.	.0	1.0
1 JAN 1905 86	0.	.0	1.0 *	2 JAN 0325 186	0.	.0	1.0 *	2 JAN 1145 286	0.	.0	1.0
1 JAN 1910 87	0.	.0	1.0 *	2 JAN 0330 187	0.	.0	1.0 *	2 JAN 1150 287	0.	.0	1.0
1 JAN 1915 88	0.	.0	1.0 *	2 JAN 0335 188	0.	.0	1.0 *	2 JAN 1155 288	0.	.0	1.0
1 JAN 1920 89	0.	.0	1.0 *	2 JAN 0340 189	0.	.0	1.0 *	2 JAN 1200 289	0.	.0	1.0
1 JAN 1925 90	0.	.0	1.0 *	2 JAN 0345 190	0.	.0	1.0 *	2 JAN 1205 290	0.	.0	1.0
1 JAN 1930 91	0.	.0	1.0 *	2 JAN 0350 191	0.	.0	1.0 *	2 JAN 1210 291	0.	.0	1.0
1 JAN 1935 92	0.	.0	1.0 *	2 JAN 0355 192	0.	.0	1.0 *	2 JAN 1215 292	0.	.0	1.0
1 JAN 1940 93	0.	.0	1.0 *	2 JAN 0400 193	0.	.0	1.0 *	2 JAN 1220 293	0.	.0	1.0
1 JAN 1945 94	0.	.0	1.0 *	2 JAN 0405 194	0.	.0	1.0 *	2 JAN 1225 294	0.	.0	1.0
1 JAN 1950 95	0.	.0	1.0 *	2 JAN 0410 195	0.	.0	1.0 *	2 JAN 1230 295	0.	.0	1.0
1 JAN 1955 96	0.	.0	1.0 *	2 JAN 0415 196	0.	.0	1.0 *	2 JAN 1235 296	0.	.0	1.0
1 JAN 2000 97	0.	.0	1.0 *	2 JAN 0420 197	0.	.0	1.0 *	2 JAN 1240 297	0.	.0	1.0
1 JAN 2005 98	0.	.0	1.0 *	2 JAN 0425 198	0.	.0	1.0 *	2 JAN 1245 298	0.	.0	1.0
1 JAN 2010 99	0.	.0	1.0 *	2 JAN 0430 199	0.	.0	1.0 *	2 JAN 1250 299	0.	.0	1.0
1 JAN 2015 100	0.	.0	1.0 *	2 JAN 0435 200	0.	.0	1.0 *	2 JAN 1255 300	0.	.0	1.0

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
0.	16.92	(CFS) 0.	0.	0.	0.
		(INCHES) .141	.168	.168	.168
		(AC-FT) 0.	0.	0.	0.

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

69 LS SCS LOSS RATE
STRTL 1.28 INITIAL ABSTRACTION
CRVNR 61.00 CURVE NUMBER
RTIMP .00 PERCENT IMPERVIOUS AREA

70 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .28 LAG

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

UNIT HYDROGRAPH
19 END-OF-PERIOD ORDINATES

20. 67. 121. 134. 117. 84. 52. 35. 23. 15.
10. 6. 4. 3. 2. 1. 1. 0. 0.

HYDROGRAPH AT STATION 1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.02	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.02	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.

1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.05	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.07	.00	0.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.09	.00	0.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.31	.04	1.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.05	.01	3.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	6.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	7.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.00	7.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.00	6.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.02	.00	5.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	4.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	4.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	3.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	3.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	3.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	2.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	2.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	2.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	2.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	2.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	2.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	2.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	2.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.01	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.01	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.01	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.

1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	1.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	1.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	1.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	1.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	1.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	1.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	1.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	1.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	1.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	1.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	1.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	1.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	1.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	1.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	1.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	1.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	1.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	1.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	1.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	1.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	1.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	1.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	1.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	1.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	1.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	1.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	1.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	1.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	1.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	1.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	1.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	1.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

*



TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.30, TOTAL EXCESS = .19

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
7.	16.25	(CFS) 2.	0.	0.	0.
		(INCHES) .168	.194	.194	.194
		(AC-FT) 1.	1.	1.	1.

CUMULATIVE AREA = .09 SQ MI

71 KK

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*           *
*   1_1A   *
*           *
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COMBINE BASIN 1A AND BASIN 1

73 HC

HYDROGRAPH COMBINATION

ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION 1_1A
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	1.
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	1.
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	1.
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	1.
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	1.
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	1.
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	1.
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	1.
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	1.
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	1.
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	1.
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	1.
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	1.
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	1.
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	1.
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	1.
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	1.
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	1.
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	1.
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	1.
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	1.
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	1.
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	1.

1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	1.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	1.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	1.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	1.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	0.	*	2 JAN 0900	253	1.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	0.	*	2 JAN 0905	254	1.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	0.	*	2 JAN 0910	255	1.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	0.	*	2 JAN 0915	256	1.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	0.	*	2 JAN 0920	257	1.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	0.	*	2 JAN 0925	258	1.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	0.	*	2 JAN 0930	259	1.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	0.	*	2 JAN 0935	260	1.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	0.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	0.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	0.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	0.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	0.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	0.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	0.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	1.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	3.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	6.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	7.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	7.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	6.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	5.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	5.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	4.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	4.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	3.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	3.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	3.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	3.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	2.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	2.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	2.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	2.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	2.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	2.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	2.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	2.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	2.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	2.	*	2 JAN 1210	291	0.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	2.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	2.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	2.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	1.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	1.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	1.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	1.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	1.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	1.	*	2 JAN 1255	300	0.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
7.	16.33	(CFS)	2.	1.	0.	0.
		(INCHES)	.165	.192	.192	.192
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .10 SQ MI

* *
74 KK * 2 *
* *

SUBBASIN RUNOFF DATA

75 BA SUBBASIN CHARACTERISTICS
 TAREA .06 SUBBASIN AREA

PRECIPITATION DATA

27 PB STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

76 LS SCS LOSS RATE
 STRFL .99 INITIAL ABSTRACTION
 CRVNBR 67.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

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

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES60. 154. 129. 62. 31. 15. 7. 3. 2. 1.
0.

HYDROGRAPH AT STATION 2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.02	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.02	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	0.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	0.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.03	.00	0.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	1.
1	JAN	1505	38	.00	.00	.00	0.	*	2	JAN	0335	188	.03	.03	.00	1.
1	JAN	1510	39	.00	.00	.00	0.	*	2	JAN	0340	189	.04	.04	.00	1.
1	JAN	1515	40	.00	.00	.00	0.	*	2	JAN	0345	190	.05	.04	.01	1.

1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	2.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	3.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.27	.08	9.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	15.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	14.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	10.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	7.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	5.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	4.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	3.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	3.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	3.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	2.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	2.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	2.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	2.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	2.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	2.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	2.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	2.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	2.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.

1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	1.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	1.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	1.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	1.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	1.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	1.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	1.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	1.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	1.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	1.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	1.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	1.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	1.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	1.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	1.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	1.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	1.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	1.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	1.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	1.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	1.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	1.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	1.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	1.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	1.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	1.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	1.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	1.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	1.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	1.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.14, TOTAL EXCESS = .35

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
15.	16.08	(CFS) 2.	1.	1.	1.
		(INCHES) .310	.354	.354	.354
		(AC-FT) 1.	1.	1.	1.

CUMULATIVE AREA = .06 SQ MI

78 KK

* *
* 2_1_1A *
* *

COMBINE BASIN 1A AND BASIN 1 WITH BASIN 2

80 KC

HYDROGRAPH COMBINATION

ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION 2_1_1A
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	2.
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	2.
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	2.
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	2.
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	2.
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	2.
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	2.
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	2.
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	2.
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	2.
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	2.
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	2.
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	2.
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	2.
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	2.
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	2.
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	2.
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	2.
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	2.
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	2.
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	2.
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	2.
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	2.
1	JAN	1355	24	0.	*	1	JAN	2010	99	0.	*	2	JAN	0225	174	0.	*	2	JAN	0840	249	2.
1	JAN	1400	25	0.	*	1	JAN	2015	100	0.	*	2	JAN	0230	175	0.	*	2	JAN	0845	250	2.
1	JAN	1405	26	0.	*	1	JAN	2020	101	0.	*	2	JAN	0235	176	0.	*	2	JAN	0850	251	2.
1	JAN	1410	27	0.	*	1	JAN	2025	102	0.	*	2	JAN	0240	177	0.	*	2	JAN	0855	252	2.
1	JAN	1415	28	0.	*	1	JAN	2030	103	0.	*	2	JAN	0245	178	0.	*	2	JAN	0900	253	2.
1	JAN	1420	29	0.	*	1	JAN	2035	104	0.	*	2	JAN	0250	179	0.	*	2	JAN	0905	254	2.
1	JAN	1425	30	0.	*	1	JAN	2040	105	0.	*	2	JAN	0255	180	0.	*	2	JAN	0910	255	2.

1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	0.	*	2 JAN 0915	256	2.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	0.	*	2 JAN 0920	257	1.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	0.	*	2 JAN 0925	258	1.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	0.	*	2 JAN 0930	259	1.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	0.	*	2 JAN 0935	260	1.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	0.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	1.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	1.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	1.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	1.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	2.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	3.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	10.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	19.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	20.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	17.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	14.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	11.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	9.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	8.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	7.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	6.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	6.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	5.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	5.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	5.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	4.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	4.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	4.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	4.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	4.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	3.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	3.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	3.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	3.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	3.	*	2 JAN 1210	291	1.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	3.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	3.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	3.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	3.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	3.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	2.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	2.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	2.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	2.	*	2 JAN 1255	300	0.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
20.	16.17	(CFS) 4.	1.	1.	1.
		(INCHES) .218	.252	.252	.252
		(AC-FT) 2.	2.	2.	2.

CUMULATIVE AREA = .16 SQ MI

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81 KK *   DET_2 *
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DETAIN BASINS 1A, 1 AND 2 IN THE SUMP NEAR UNION STREET & 101

HYDROGRAPH ROUTING DATA

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83 RS      STORAGE ROUTING
          NSTPS      1 NUMBER OF SUBREACHES
          ITYP      STOR TYPE OF INITIAL CONDITION
          RSVRIC    -1.00 INITIAL CONDITION
          X         .00 WORKING R AND D COEFFICIENT

84 SA      AREA      .0      .1      3.7      8.3      8.3

85 SQ      DISCHARGE  0.      0.      0.      0.      20.

86 SE      ELEVATION  63.00   64.00   66.00   68.00   68.10

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COMPUTED STORAGE-ELEVATION DATA

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STORAGE      .00      .03      2.95      14.65      15.48
ELEVATION    63.00   64.00   66.00   68.00   68.10

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HYDROGRAPH AT STATION DET_2

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*****
HYDROGRAPH AT STATION DET_2
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          *
          *
DA MON HRMN ORD  OUTFLOW  STORAGE  STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE  STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE  STAGE
          *
          *
1 JAN 1200  1      0.      3.0     66.0 * 1 JAN 2020 101      0.      3.0     66.0 * 2 JAN 0440 201      0.      3.8     66.1
1 JAN 1205  2      0.      3.0     66.0 * 1 JAN 2025 102      0.      3.0     66.0 * 2 JAN 0445 202      0.      3.8     66.2
1 JAN 1210  3      0.      3.0     66.0 * 1 JAN 2030 103      0.      3.0     66.0 * 2 JAN 0450 203      0.      3.9     66.2
1 JAN 1215  4      0.      3.0     66.0 * 1 JAN 2035 104      0.      3.0     66.0 * 2 JAN 0455 204      0.      3.9     66.2
1 JAN 1220  5      0.      3.0     66.0 * 1 JAN 2040 105      0.      3.0     66.0 * 2 JAN 0500 205      0.      4.0     66.2
1 JAN 1225  6      0.      3.0     66.0 * 1 JAN 2045 106      0.      3.0     66.0 * 2 JAN 0505 206      0.      4.0     66.2
1 JAN 1230  7      0.      3.0     66.0 * 1 JAN 2050 107      0.      3.0     66.0 * 2 JAN 0510 207      0.      4.0     66.2
1 JAN 1235  8      0.      3.0     66.0 * 1 JAN 2055 108      0.      3.0     66.0 * 2 JAN 0515 208      0.      4.0     66.2
1 JAN 1240  9      0.      3.0     66.0 * 1 JAN 2100 109      0.      3.0     66.0 * 2 JAN 0520 209      0.      4.1     66.2
1 JAN 1245 10      0.      3.0     66.0 * 1 JAN 2105 110      0.      3.0     66.0 * 2 JAN 0525 210      0.      4.1     66.2
1 JAN 1250 11      0.      3.0     66.0 * 1 JAN 2110 111      0.      3.0     66.0 * 2 JAN 0530 211      0.      4.1     66.2
1 JAN 1255 12      0.      3.0     66.0 * 1 JAN 2115 112      0.      3.0     66.0 * 2 JAN 0535 212      0.      4.1     66.2
1 JAN 1300 13      0.      3.0     66.0 * 1 JAN 2120 113      0.      3.0     66.0 * 2 JAN 0540 213      0.      4.2     66.2
1 JAN 1305 14      0.      3.0     66.0 * 1 JAN 2125 114      0.      3.0     66.0 * 2 JAN 0545 214      0.      4.2     66.2
1 JAN 1310 15      0.      3.0     66.0 * 1 JAN 2130 115      0.      3.0     66.0 * 2 JAN 0550 215      0.      4.2     66.2
1 JAN 1315 16      0.      3.0     66.0 * 1 JAN 2135 116      0.      3.0     66.0 * 2 JAN 0555 216      0.      4.2     66.2
1 JAN 1320 17      0.      3.0     66.0 * 1 JAN 2140 117      0.      3.0     66.0 * 2 JAN 0600 217      0.      4.3     66.2
1 JAN 1325 18      0.      3.0     66.0 * 1 JAN 2145 118      0.      3.0     66.0 * 2 JAN 0605 218      0.      4.3     66.2
1 JAN 1330 19      0.      3.0     66.0 * 1 JAN 2150 119      0.      3.0     66.0 * 2 JAN 0610 219      0.      4.3     66.2
1 JAN 1335 20      0.      3.0     66.0 * 1 JAN 2155 120      0.      3.0     66.0 * 2 JAN 0615 220      0.      4.3     66.2
1 JAN 1340 21      0.      3.0     66.0 * 1 JAN 2200 121      0.      3.0     66.0 * 2 JAN 0620 221      0.      4.3     66.2
1 JAN 1345 22      0.      3.0     66.0 * 1 JAN 2205 122      0.      3.0     66.0 * 2 JAN 0625 222      0.      4.3     66.2

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1 JAN 1350 23	0.	3.0	66.0 *	1 JAN 2210 123	0.	3.0	66.0 *	2 JAN 0630 223	0.	4.4	66.2
1 JAN 1355 24	0.	3.0	66.0 *	1 JAN 2215 124	0.	3.0	66.0 *	2 JAN 0635 224	0.	4.4	66.2
1 JAN 1400 25	0.	3.0	66.0 *	1 JAN 2220 125	0.	3.0	66.0 *	2 JAN 0640 225	0.	4.4	66.2
1 JAN 1405 26	0.	3.0	66.0 *	1 JAN 2225 126	0.	3.0	66.0 *	2 JAN 0645 226	0.	4.4	66.2
1 JAN 1410 27	0.	3.0	66.0 *	1 JAN 2230 127	0.	3.0	66.0 *	2 JAN 0650 227	0.	4.4	66.3
1 JAN 1415 28	0.	3.0	66.0 *	1 JAN 2235 128	0.	3.0	66.0 *	2 JAN 0655 228	0.	4.4	66.3
1 JAN 1420 29	0.	3.0	66.0 *	1 JAN 2240 129	0.	3.0	66.0 *	2 JAN 0700 229	0.	4.5	66.3
1 JAN 1425 30	0.	3.0	66.0 *	1 JAN 2245 130	0.	3.0	66.0 *	2 JAN 0705 230	0.	4.5	66.3
1 JAN 1430 31	0.	3.0	66.0 *	1 JAN 2250 131	0.	3.0	66.0 *	2 JAN 0710 231	0.	4.5	66.3
1 JAN 1435 32	0.	3.0	66.0 *	1 JAN 2255 132	0.	3.0	66.0 *	2 JAN 0715 232	0.	4.5	66.3
1 JAN 1440 33	0.	3.0	66.0 *	1 JAN 2300 133	0.	3.0	66.0 *	2 JAN 0720 233	0.	4.5	66.3
1 JAN 1445 34	0.	3.0	66.0 *	1 JAN 2305 134	0.	3.0	66.0 *	2 JAN 0725 234	0.	4.5	66.3
1 JAN 1450 35	0.	3.0	66.0 *	1 JAN 2310 135	0.	3.0	66.0 *	2 JAN 0730 235	0.	4.5	66.3
1 JAN 1455 36	0.	3.0	66.0 *	1 JAN 2315 136	0.	3.0	66.0 *	2 JAN 0735 236	0.	4.6	66.3
1 JAN 1500 37	0.	3.0	66.0 *	1 JAN 2320 137	0.	3.0	66.0 *	2 JAN 0740 237	0.	4.6	66.3
1 JAN 1505 38	0.	3.0	66.0 *	1 JAN 2325 138	0.	3.0	66.0 *	2 JAN 0745 238	0.	4.6	66.3
1 JAN 1510 39	0.	3.0	66.0 *	1 JAN 2330 139	0.	3.0	66.0 *	2 JAN 0750 239	0.	4.6	66.3
1 JAN 1515 40	0.	3.0	66.0 *	1 JAN 2335 140	0.	3.0	66.0 *	2 JAN 0755 240	0.	4.6	66.3
1 JAN 1520 41	0.	3.0	66.0 *	1 JAN 2340 141	0.	3.0	66.0 *	2 JAN 0800 241	0.	4.6	66.3
1 JAN 1525 42	0.	3.0	66.0 *	1 JAN 2345 142	0.	3.0	66.0 *	2 JAN 0805 242	0.	4.6	66.3
1 JAN 1530 43	0.	3.0	66.0 *	1 JAN 2350 143	0.	3.0	66.0 *	2 JAN 0810 243	0.	4.6	66.3
1 JAN 1535 44	0.	3.0	66.0 *	1 JAN 2355 144	0.	3.0	66.0 *	2 JAN 0815 244	0.	4.7	66.3
1 JAN 1540 45	0.	3.0	66.0 *	2 JAN 0000 145	0.	3.0	66.0 *	2 JAN 0820 245	0.	4.7	66.3
1 JAN 1545 46	0.	3.0	66.0 *	2 JAN 0005 146	0.	3.0	66.0 *	2 JAN 0825 246	0.	4.7	66.3
1 JAN 1550 47	0.	3.0	66.0 *	2 JAN 0010 147	0.	3.0	66.0 *	2 JAN 0830 247	0.	4.7	66.3
1 JAN 1555 48	0.	3.0	66.0 *	2 JAN 0015 148	0.	3.0	66.0 *	2 JAN 0835 248	0.	4.7	66.3
1 JAN 1600 49	0.	3.0	66.0 *	2 JAN 0020 149	0.	3.0	66.0 *	2 JAN 0840 249	0.	4.7	66.3
1 JAN 1605 50	0.	3.0	66.0 *	2 JAN 0025 150	0.	3.0	66.0 *	2 JAN 0845 250	0.	4.7	66.3
1 JAN 1610 51	0.	3.0	66.0 *	2 JAN 0030 151	0.	3.0	66.0 *	2 JAN 0850 251	0.	4.7	66.3
1 JAN 1615 52	0.	3.0	66.0 *	2 JAN 0035 152	0.	3.0	66.0 *	2 JAN 0855 252	0.	4.7	66.3
1 JAN 1620 53	0.	3.0	66.0 *	2 JAN 0040 153	0.	3.0	66.0 *	2 JAN 0900 253	0.	4.8	66.3
1 JAN 1625 54	0.	3.0	66.0 *	2 JAN 0045 154	0.	3.0	66.0 *	2 JAN 0905 254	0.	4.8	66.3
1 JAN 1630 55	0.	3.0	66.0 *	2 JAN 0050 155	0.	3.0	66.0 *	2 JAN 0910 255	0.	4.8	66.3
1 JAN 1635 56	0.	3.0	66.0 *	2 JAN 0055 156	0.	3.0	66.0 *	2 JAN 0915 256	0.	4.8	66.3
1 JAN 1640 57	0.	3.0	66.0 *	2 JAN 0100 157	0.	3.0	66.0 *	2 JAN 0920 257	0.	4.8	66.3
1 JAN 1645 58	0.	3.0	66.0 *	2 JAN 0105 158	0.	3.0	66.0 *	2 JAN 0925 258	0.	4.8	66.3
1 JAN 1650 59	0.	3.0	66.0 *	2 JAN 0110 159	0.	3.0	66.0 *	2 JAN 0930 259	0.	4.8	66.3
1 JAN 1655 60	0.	3.0	66.0 *	2 JAN 0115 160	0.	3.0	66.0 *	2 JAN 0935 260	0.	4.8	66.3
1 JAN 1700 61	0.	3.0	66.0 *	2 JAN 0120 161	0.	3.0	66.0 *	2 JAN 0940 261	0.	4.8	66.3
1 JAN 1705 62	0.	3.0	66.0 *	2 JAN 0125 162	0.	3.0	66.0 *	2 JAN 0945 262	0.	4.8	66.3
1 JAN 1710 63	0.	3.0	66.0 *	2 JAN 0130 163	0.	3.0	66.0 *	2 JAN 0950 263	0.	4.9	66.3
1 JAN 1715 64	0.	3.0	66.0 *	2 JAN 0135 164	0.	3.0	66.0 *	2 JAN 0955 264	0.	4.9	66.3
1 JAN 1720 65	0.	3.0	66.0 *	2 JAN 0140 165	0.	3.0	66.0 *	2 JAN 1000 265	0.	4.9	66.3
1 JAN 1725 66	0.	3.0	66.0 *	2 JAN 0145 166	0.	3.0	66.0 *	2 JAN 1005 266	0.	4.9	66.3
1 JAN 1730 67	0.	3.0	66.0 *	2 JAN 0150 167	0.	3.0	66.0 *	2 JAN 1010 267	0.	4.9	66.3
1 JAN 1735 68	0.	3.0	66.0 *	2 JAN 0155 168	0.	3.0	66.0 *	2 JAN 1015 268	0.	4.9	66.3
1 JAN 1740 69	0.	3.0	66.0 *	2 JAN 0200 169	0.	3.0	66.0 *	2 JAN 1020 269	0.	4.9	66.3
1 JAN 1745 70	0.	3.0	66.0 *	2 JAN 0205 170	0.	3.0	66.0 *	2 JAN 1025 270	0.	4.9	66.3
1 JAN 1750 71	0.	3.0	66.0 *	2 JAN 0210 171	0.	3.0	66.0 *	2 JAN 1030 271	0.	4.9	66.3
1 JAN 1755 72	0.	3.0	66.0 *	2 JAN 0215 172	0.	3.0	66.0 *	2 JAN 1035 272	0.	4.9	66.3
1 JAN 1800 73	0.	3.0	66.0 *	2 JAN 0220 173	0.	3.0	66.0 *	2 JAN 1040 273	0.	4.9	66.3
1 JAN 1805 74	0.	3.0	66.0 *	2 JAN 0225 174	0.	3.0	66.0 *	2 JAN 1045 274	0.	5.0	66.3
1 JAN 1810 75	0.	3.0	66.0 *	2 JAN 0230 175	0.	3.0	66.0 *	2 JAN 1050 275	0.	5.0	66.3
1 JAN 1815 76	0.	3.0	66.0 *	2 JAN 0235 176	0.	3.0	66.0 *	2 JAN 1055 276	0.	5.0	66.3
1 JAN 1820 77	0.	3.0	66.0 *	2 JAN 0240 177	0.	3.0	66.0 *	2 JAN 1100 277	0.	5.0	66.3
1 JAN 1825 78	0.	3.0	66.0 *	2 JAN 0245 178	0.	3.0	66.0 *	2 JAN 1105 278	0.	5.0	66.3
1 JAN 1830 79	0.	3.0	66.0 *	2 JAN 0250 179	0.	3.0	66.0 *	2 JAN 1110 279	0.	5.0	66.3
1 JAN 1835 80	0.	3.0	66.0 *	2 JAN 0255 180	0.	3.0	66.0 *	2 JAN 1115 280	0.	5.0	66.4
1 JAN 1840 81	0.	3.0	66.0 *	2 JAN 0300 181	0.	3.0	66.0 *	2 JAN 1120 281	0.	5.0	66.4
1 JAN 1845 82	0.	3.0	66.0 *	2 JAN 0305 182	0.	3.0	66.0 *	2 JAN 1125 282	0.	5.0	66.4

1 JAN 1850 83	0.	3.0	66.0 *	2 JAN 0310 183	0.	3.0	66.0 *	2 JAN 1130 283	0.	5.0	66.4
1 JAN 1855 84	0.	3.0	66.0 *	2 JAN 0315 184	0.	3.0	66.0 *	2 JAN 1135 284	0.	5.0	66.4
1 JAN 1900 85	0.	3.0	66.0 *	2 JAN 0320 185	0.	3.0	66.0 *	2 JAN 1140 285	0.	5.1	66.4
1 JAN 1905 86	0.	3.0	66.0 *	2 JAN 0325 186	0.	3.0	66.0 *	2 JAN 1145 286	0.	5.1	66.4
1 JAN 1910 87	0.	3.0	66.0 *	2 JAN 0330 187	0.	3.0	66.0 *	2 JAN 1150 287	0.	5.1	66.4
1 JAN 1915 88	0.	3.0	66.0 *	2 JAN 0335 188	0.	3.0	66.0 *	2 JAN 1155 288	0.	5.1	66.4
1 JAN 1920 89	0.	3.0	66.0 *	2 JAN 0340 189	0.	3.0	66.0 *	2 JAN 1200 289	0.	5.1	66.4
1 JAN 1925 90	0.	3.0	66.0 *	2 JAN 0345 190	0.	3.0	66.0 *	2 JAN 1205 290	0.	5.1	66.4
1 JAN 1930 91	0.	3.0	66.0 *	2 JAN 0350 191	0.	3.0	66.0 *	2 JAN 1210 291	0.	5.1	66.4
1 JAN 1935 92	0.	3.0	66.0 *	2 JAN 0355 192	0.	3.0	66.0 *	2 JAN 1215 292	0.	5.1	66.4
1 JAN 1940 93	0.	3.0	66.0 *	2 JAN 0400 193	0.	3.1	66.0 *	2 JAN 1220 293	0.	5.1	66.4
1 JAN 1945 94	0.	3.0	66.0 *	2 JAN 0405 194	0.	3.2	66.0 *	2 JAN 1225 294	0.	5.1	66.4
1 JAN 1950 95	0.	3.0	66.0 *	2 JAN 0410 195	0.	3.3	66.1 *	2 JAN 1230 295	0.	5.1	66.4
1 JAN 1955 96	0.	3.0	66.0 *	2 JAN 0415 196	0.	3.4	66.1 *	2 JAN 1235 296	0.	5.1	66.4
1 JAN 2000 97	0.	3.0	66.0 *	2 JAN 0420 197	0.	3.5	66.1 *	2 JAN 1240 297	0.	5.1	66.4
1 JAN 2005 98	0.	3.0	66.0 *	2 JAN 0425 198	0.	3.6	66.1 *	2 JAN 1245 298	0.	5.1	66.4
1 JAN 2010 99	0.	3.0	66.0 *	2 JAN 0430 199	0.	3.7	66.1 *	2 JAN 1250 299	0.	5.1	66.4
1 JAN 2015 100	0.	3.0	66.0 *	2 JAN 0435 200	0.	3.7	66.1 *	2 JAN 1255 300	0.	5.1	66.4

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
0.	.00	(CFS) 0.	0.	0.	0.
		(INCHES) .000	.000	.000	.000
		(AC-FT) 0.	0.	0.	0.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
5.	24.92	5.	4.	4.	4.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
66.37	24.92	66.32	66.10	66.10	66.10

CUMULATIVE AREA = .16 SQ MI

87 KK

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SUBBASIN RUNOFF DATA

88 BA

SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

27 PB

STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI

INCREMENTAL PRECIPITATION PATTERN

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

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

89 LS SCS LOSS RATE
 STRTL .90 INITIAL ABSTRACTION
 CRVNR 69.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

90 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .09 LAG

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

UNIT HYDROGRAPH
 @ END-OF-PERIOD ORDINATES

50. 65. 26. 9. 3. 1. 1. 0.

HYDROGRAPH AT STATION 3

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.

1 JAN 1235	8	.00	.00	.00	0.	*	2 JAN 0105	158	.01	.01	.00	0.
1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.01	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.26	.09	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	7.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	3.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.

1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
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.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

93 LS SCS LOSS RATE
 STRTL 1.13 INITIAL ABSTRACTION
 CRVNBR 64.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

94 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .07 LAG

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

UNIT HYDROGRAPH
 6 END-OF-PERIOD ORDINATES

71. 59. 17. 5. 2. 1.

HYDROGRAPH AT STATION 4

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.

1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.00	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.09	.01	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.29	.06	5.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.01	4.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	2.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	1.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	1.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.00	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	0.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	0.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	0.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	0.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	0.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.01	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.

1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.

1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.23, TOTAL EXCESS = .27

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
5.	16.00	(CFS) 1.	0.	0.	0.
		(INCHES) .236	.268	.268	.268
		(AC-FT) 0.	0.	0.	0.

CUMULATIVE AREA = .02 SQ MI

95 KK

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*   4_3   *
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COMBINE BASIN 3 WITH BASIN 4

97 HC

HYDROGRAPH COMBINATION

ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION 4_3
SUM OF 2 HYDROGRAPHS

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DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	1.	
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	1.	
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	1.	
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	1.	
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	1.	
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	1.	
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	1.	
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	1.	
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	1.	
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	1.	
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	1.	
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	1.	
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	1.	
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	1.	
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	1.	
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	1.	
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	1.	
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	1.	
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	1.	
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	0.	
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	0.	
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	0.	
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	0.	
1	JAN	1355	24	0.	*	1	JAN	2010	99	0.	*	2	JAN	0225	174	0.	*	2	JAN	0840	249	0.	
1	JAN	1400	25	0.	*	1	JAN	2015	100	0.	*	2	JAN	0230	175	0.	*	2	JAN	0845	250	0.	
1	JAN	1405	26	0.	*	1	JAN	2020	101	0.	*	2	JAN	0235	176	0.	*	2	JAN	0850	251	0.	
1	JAN	1410	27	0.	*	1	JAN	2025	102	0.	*	2	JAN	0240	177	0.	*	2	JAN	0855	252	0.	
1	JAN	1415	28	0.	*	1	JAN	2030	103	0.	*	2	JAN	0245	178	0.	*	2	JAN	0900	253	0.	
1	JAN	1420	29	0.	*	1	JAN	2035	104	0.	*	2	JAN	0250	179	0.	*	2	JAN	0905	254	0.	
1	JAN	1425	30	0.	*	1	JAN	2040	105	0.	*	2	JAN	0255	180	0.	*	2	JAN	0910	255	0.	
1	JAN	1430	31	0.	*	1	JAN	2045	106	0.	*	2	JAN	0300	181	0.	*	2	JAN	0915	256	0.	
1	JAN	1435	32	0.	*	1	JAN	2050	107	0.	*	2	JAN	0305	182	0.	*	2	JAN	0920	257	0.	
1	JAN	1440	33	0.	*	1	JAN	2055	108	0.	*	2	JAN	0310	183	0.	*	2	JAN	0925	258	0.	
1	JAN	1445	34	0.	*	1	JAN	2100	109	0.	*	2	JAN	0315	184	0.	*	2	JAN	0930	259	0.	
1	JAN	1450	35	0.	*	1	JAN	2105	110	0.	*	2	JAN	0320	185	0.	*	2	JAN	0935	260	0.	
1	JAN	1455	36	0.	*	1	JAN	2110	111	0.	*	2	JAN	0325	186	0.	*	2	JAN	0940	261	0.	
1	JAN	1500	37	0.	*	1	JAN	2115	112	0.	*	2	JAN	0330	187	0.	*	2	JAN	0945	262	0.	
1	JAN	1505	38	0.	*	1	JAN	2120	113	0.	*	2	JAN	0335	188	1.	*	2	JAN	0950	263	0.	
1	JAN	1510	39	0.	*	1	JAN	2125	114	0.	*	2	JAN	0340	189	1.	*	2	JAN	0955	264	0.	
1	JAN	1515	40	0.	*	1	JAN	2130	115	0.	*	2	JAN	0345	190	1.	*	2	JAN	1000	265	0.	
1	JAN	1520	41	0.	*	1	JAN	2135	116	0.	*	2	JAN	0350	191	2.	*	2	JAN	1005	266	0.	
1	JAN	1525	42	0.	*	1	JAN	2140	117	0.	*	2	JAN	0355	192	3.	*	2	JAN	1010	267	0.	
1	JAN	1530	43	0.	*	1	JAN	2145	118	0.	*	2	JAN	0400	193	11.	*	2	JAN	1015	268	0.	
1	JAN	1535	44	0.	*	1	JAN	2150	119	0.	*	2	JAN	0405	194	12.	*	2	JAN	1020	269	0.	
1	JAN	1540	45	0.	*	1	JAN	2155	120	0.	*	2	JAN	0410	195	7.	*	2	JAN	1025	270	0.	
1	JAN	1545	46	0.	*	1	JAN	2200	121	0.	*	2	JAN	0415	196	4.	*	2	JAN	1030	271	0.	
1	JAN	1550	47	0.	*	1	JAN	2205	122	0.	*	2	JAN	0420	197	3.	*	2	JAN	1035	272	0.	
1	JAN	1555	48	0.	*	1	JAN	2210	123	0.	*	2	JAN	0425	198	2.	*	2	JAN	1040	273	0.	
1	JAN	1600	49	0.	*	1	JAN	2215	124	0.	*	2	JAN	0430	199	2.	*	2	JAN	1045	274	0.	
1	JAN	1605	50	0.	*	1	JAN	2220	125	0.	*	2	JAN	0435	200	2.	*	2	JAN	1050	275	0.	
1	JAN	1610	51	0.	*	1	JAN	2225	126	0.	*	2	JAN	0440	201	2.	*	2	JAN	1055	276	0.	
1	JAN	1615	52	0.	*	1	JAN	2230	127	0.	*	2	JAN	0445	202	2.	*	2	JAN	1100	277	0.	
1	JAN	1620	53	0.	*	1	JAN	2235	128	0.	*	2	JAN	0450	203	1.	*	2	JAN	1105	278	0.	
1	JAN	1625	54	0.	*	1	JAN	2240	129	0.	*	2	JAN	0455	204	1.	*	2	JAN	1110	279	0.	
1	JAN	1630	55	0.	*	1	JAN	2245	130	0.	*	2	JAN	0500	205	1.	*	2	JAN	1115	280	0.	
1	JAN	1635	56	0.	*	1	JAN	2250	131	0.	*	2	JAN	0505	206	1.	*	2	JAN	1120	281	0.	
1	JAN	1640	57	0.	*	1	JAN	2255	132	0.	*	2	JAN	0510	207	1.	*	2	JAN	1125	282	0.	
1	JAN	1645	58	0.	*	1	JAN	2300	133	0.	*	2	JAN	0515	208	1.	*	2	JAN	1130	283	0.	

1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	1.	*	2 JAN 1135	284	0.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	1.	*	2 JAN 1140	285	0.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	1.	*	2 JAN 1145	286	0.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	1.	*	2 JAN 1150	287	0.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	1.	*	2 JAN 1155	288	0.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	1.	*	2 JAN 1200	289	0.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	1.	*	2 JAN 1205	290	0.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	1.	*	2 JAN 1210	291	0.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	1.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	1.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	1.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	1.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	1.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	1.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	1.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	1.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	1.	*	2 JAN 1255	300	0.

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
12.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.299	.343	.343	.343
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .04 SQ MI

96 KK

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*   DET4_3   *
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DETAIN BASINS 3 AND 4 IN THE SUMP AT CADMUS AND BASIL

HYDROGRAPH ROUTING DATA

100 RS	STORAGE ROUTING					
	NSTPS	1	NUMBER OF SUBREACHES			
	ITYP	STOR	TYPE OF INITIAL CONDITION			
	RSVRIC	-1.00	INITIAL CONDITION			
	X	.00	WORKING R AND D COEFFICIENT			
101 SA	AREA	.0	.7	2.5	4.6	4.6
102 SQ	DISCHARGE	0.	0.	0.	0.	20.
103 SE	ELEVATION	55.00	56.00	58.00	60.00	60.10

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.22	3.19	10.18	10.64
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ELEVATION 55.00 56.00 58.00 60.00 60.10

HYDROGRAPH AT STATION DET4_3

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	3.2	58.0	*	1	JAN	2020	101	0.	3.2	58.0	*	2	JAN	0440	201	0.	3.6	58.1
1	JAN	1205	2	0.	3.2	58.0	*	1	JAN	2025	102	0.	3.2	58.0	*	2	JAN	0445	202	0.	3.6	58.1
1	JAN	1210	3	0.	3.2	58.0	*	1	JAN	2030	103	0.	3.2	58.0	*	2	JAN	0450	203	0.	3.6	58.1
1	JAN	1215	4	0.	3.2	58.0	*	1	JAN	2035	104	0.	3.2	58.0	*	2	JAN	0455	204	0.	3.6	58.1
1	JAN	1220	5	0.	3.2	58.0	*	1	JAN	2040	105	0.	3.2	58.0	*	2	JAN	0500	205	0.	3.6	58.1
1	JAN	1225	6	0.	3.2	58.0	*	1	JAN	2045	106	0.	3.2	58.0	*	2	JAN	0505	206	0.	3.6	58.1
1	JAN	1230	7	0.	3.2	58.0	*	1	JAN	2050	107	0.	3.2	58.0	*	2	JAN	0510	207	0.	3.6	58.1
1	JAN	1235	8	0.	3.2	58.0	*	1	JAN	2055	108	0.	3.2	58.0	*	2	JAN	0515	208	0.	3.6	58.1
1	JAN	1240	9	0.	3.2	58.0	*	1	JAN	2100	109	0.	3.2	58.0	*	2	JAN	0520	209	0.	3.6	58.1
1	JAN	1245	10	0.	3.2	58.0	*	1	JAN	2105	110	0.	3.2	58.0	*	2	JAN	0525	210	0.	3.6	58.1
1	JAN	1250	11	0.	3.2	58.0	*	1	JAN	2110	111	0.	3.2	58.0	*	2	JAN	0530	211	0.	3.6	58.1
1	JAN	1255	12	0.	3.2	58.0	*	1	JAN	2115	112	0.	3.2	58.0	*	2	JAN	0535	212	0.	3.6	58.1
1	JAN	1300	13	0.	3.2	58.0	*	1	JAN	2120	113	0.	3.2	58.0	*	2	JAN	0540	213	0.	3.7	58.1
1	JAN	1305	14	0.	3.2	58.0	*	1	JAN	2125	114	0.	3.2	58.0	*	2	JAN	0545	214	0.	3.7	58.1
1	JAN	1310	15	0.	3.2	58.0	*	1	JAN	2130	115	0.	3.2	58.0	*	2	JAN	0550	215	0.	3.7	58.1
1	JAN	1315	16	0.	3.2	58.0	*	1	JAN	2135	116	0.	3.2	58.0	*	2	JAN	0555	216	0.	3.7	58.1
1	JAN	1320	17	0.	3.2	58.0	*	1	JAN	2140	117	0.	3.2	58.0	*	2	JAN	0600	217	0.	3.7	58.1
1	JAN	1325	18	0.	3.2	58.0	*	1	JAN	2145	118	0.	3.2	58.0	*	2	JAN	0605	218	0.	3.7	58.1
1	JAN	1330	19	0.	3.2	58.0	*	1	JAN	2150	119	0.	3.2	58.0	*	2	JAN	0610	219	0.	3.7	58.1
1	JAN	1335	20	0.	3.2	58.0	*	1	JAN	2155	120	0.	3.2	58.0	*	2	JAN	0615	220	0.	3.7	58.1
1	JAN	1340	21	0.	3.2	58.0	*	1	JAN	2200	121	0.	3.2	58.0	*	2	JAN	0620	221	0.	3.7	58.1
1	JAN	1345	22	0.	3.2	58.0	*	1	JAN	2205	122	0.	3.2	58.0	*	2	JAN	0625	222	0.	3.7	58.1
1	JAN	1350	23	0.	3.2	58.0	*	1	JAN	2210	123	0.	3.2	58.0	*	2	JAN	0630	223	0.	3.7	58.1
1	JAN	1355	24	0.	3.2	58.0	*	1	JAN	2215	124	0.	3.2	58.0	*	2	JAN	0635	224	0.	3.7	58.1
1	JAN	1400	25	0.	3.2	58.0	*	1	JAN	2220	125	0.	3.2	58.0	*	2	JAN	0640	225	0.	3.7	58.2
1	JAN	1405	26	0.	3.2	58.0	*	1	JAN	2225	126	0.	3.2	58.0	*	2	JAN	0645	226	0.	3.7	58.2
1	JAN	1410	27	0.	3.2	58.0	*	1	JAN	2230	127	0.	3.2	58.0	*	2	JAN	0650	227	0.	3.7	58.2
1	JAN	1415	28	0.	3.2	58.0	*	1	JAN	2235	128	0.	3.2	58.0	*	2	JAN	0655	228	0.	3.7	58.2
1	JAN	1420	29	0.	3.2	58.0	*	1	JAN	2240	129	0.	3.2	58.0	*	2	JAN	0700	229	0.	3.7	58.2
1	JAN	1425	30	0.	3.2	58.0	*	1	JAN	2245	130	0.	3.2	58.0	*	2	JAN	0705	230	0.	3.7	58.2
1	JAN	1430	31	0.	3.2	58.0	*	1	JAN	2250	131	0.	3.2	58.0	*	2	JAN	0710	231	0.	3.7	58.2
1	JAN	1435	32	0.	3.2	58.0	*	1	JAN	2255	132	0.	3.2	58.0	*	2	JAN	0715	232	0.	3.8	58.2
1	JAN	1440	33	0.	3.2	58.0	*	1	JAN	2300	133	0.	3.2	58.0	*	2	JAN	0720	233	0.	3.8	58.2
1	JAN	1445	34	0.	3.2	58.0	*	1	JAN	2305	134	0.	3.2	58.0	*	2	JAN	0725	234	0.	3.8	58.2
1	JAN	1450	35	0.	3.2	58.0	*	1	JAN	2310	135	0.	3.2	58.0	*	2	JAN	0730	235	0.	3.8	58.2
1	JAN	1455	36	0.	3.2	58.0	*	1	JAN	2315	136	0.	3.2	58.0	*	2	JAN	0735	236	0.	3.8	58.2
1	JAN	1500	37	0.	3.2	58.0	*	1	JAN	2320	137	0.	3.2	58.0	*	2	JAN	0740	237	0.	3.8	58.2
1	JAN	1505	38	0.	3.2	58.0	*	1	JAN	2325	138	0.	3.2	58.0	*	2	JAN	0745	238	0.	3.8	58.2
1	JAN	1510	39	0.	3.2	58.0	*	1	JAN	2330	139	0.	3.2	58.0	*	2	JAN	0750	239	0.	3.8	58.2
1	JAN	1515	40	0.	3.2	58.0	*	1	JAN	2335	140	0.	3.2	58.0	*	2	JAN	0755	240	0.	3.8	58.2
1	JAN	1520	41	0.	3.2	58.0	*	1	JAN	2340	141	0.	3.2	58.0	*	2	JAN	0800	241	0.	3.8	58.2
1	JAN	1525	42	0.	3.2	58.0	*	1	JAN	2345	142	0.	3.2	58.0	*	2	JAN	0805	242	0.	3.8	58.2
1	JAN	1530	43	0.	3.2	58.0	*	1	JAN	2350	143	0.	3.2	58.0	*	2	JAN	0810	243	0.	3.8	58.2
1	JAN	1535	44	0.	3.2	58.0	*	1	JAN	2355	144	0.	3.2	58.0	*	2	JAN	0815	244	0.	3.8	58.2
1	JAN	1540	45	0.	3.2	58.0	*	2	JAN	0000	145	0.	3.2	58.0	*	2	JAN	0820	245	0.	3.8	58.2
1	JAN	1545	46	0.	3.2	58.0	*	2	JAN	0005	146	0.	3.2	58.0	*	2	JAN	0825	246	0.	3.8	58.2
1	JAN	1550	47	0.	3.2	58.0	*	2	JAN	0010	147	0.	3.2	58.0	*	2	JAN	0830	247	0.	3.8	58.2
1	JAN	1555	48	0.	3.2	58.0	*	2	JAN	0015	148	0.	3.2	58.0	*	2	JAN	0835	248	0.	3.8	58.2
1	JAN	1600	49	0.	3.2	58.0	*	2	JAN	0020	149	0.	3.2	58.0	*	2	JAN	0840	249	0.	3.8	58.2
1	JAN	1605	50	0.	3.2	58.0	*	2	JAN	0025	150	0.	3.2	58.0	*	2	JAN	0845	250	0.	3.8	58.2

1 JAN 1610 51	0.	3.2	58.0 *	2 JAN 0030 151	0.	3.2	58.0 *	2 JAN 0850 251	0.	3.8	58.2
1 JAN 1615 52	0.	3.2	58.0 *	2 JAN 0035 152	0.	3.2	58.0 *	2 JAN 0855 252	0.	3.8	58.2
1 JAN 1620 53	0.	3.2	58.0 *	2 JAN 0040 153	0.	3.2	58.0 *	2 JAN 0900 253	0.	3.8	58.2
1 JAN 1625 54	0.	3.2	58.0 *	2 JAN 0045 154	0.	3.2	58.0 *	2 JAN 0905 254	0.	3.8	58.2
1 JAN 1630 55	0.	3.2	58.0 *	2 JAN 0050 155	0.	3.2	58.0 *	2 JAN 0910 255	0.	3.8	58.2
1 JAN 1635 56	0.	3.2	58.0 *	2 JAN 0055 156	0.	3.2	58.0 *	2 JAN 0915 256	0.	3.8	58.2
1 JAN 1640 57	0.	3.2	58.0 *	2 JAN 0100 157	0.	3.2	58.0 *	2 JAN 0920 257	0.	3.8	58.2
1 JAN 1645 58	0.	3.2	58.0 *	2 JAN 0105 158	0.	3.2	58.0 *	2 JAN 0925 258	0.	3.8	58.2
1 JAN 1650 59	0.	3.2	58.0 *	2 JAN 0110 159	0.	3.2	58.0 *	2 JAN 0930 259	0.	3.8	58.2
1 JAN 1655 60	0.	3.2	58.0 *	2 JAN 0115 160	0.	3.2	58.0 *	2 JAN 0935 260	0.	3.8	58.2
1 JAN 1700 61	0.	3.2	58.0 *	2 JAN 0120 161	0.	3.2	58.0 *	2 JAN 0940 261	0.	3.8	58.2
1 JAN 1705 62	0.	3.2	58.0 *	2 JAN 0125 162	0.	3.2	58.0 *	2 JAN 0945 262	0.	3.9	58.2
1 JAN 1710 63	0.	3.2	58.0 *	2 JAN 0130 163	0.	3.2	58.0 *	2 JAN 0950 263	0.	3.9	58.2
1 JAN 1715 64	0.	3.2	58.0 *	2 JAN 0135 164	0.	3.2	58.0 *	2 JAN 0955 264	0.	3.9	58.2
1 JAN 1720 65	0.	3.2	58.0 *	2 JAN 0140 165	0.	3.2	58.0 *	2 JAN 1000 265	0.	3.9	58.2
1 JAN 1725 66	0.	3.2	58.0 *	2 JAN 0145 166	0.	3.2	58.0 *	2 JAN 1005 266	0.	3.9	58.2
1 JAN 1730 67	0.	3.2	58.0 *	2 JAN 0150 167	0.	3.2	58.0 *	2 JAN 1010 267	0.	3.9	58.2
1 JAN 1735 68	0.	3.2	58.0 *	2 JAN 0155 168	0.	3.2	58.0 *	2 JAN 1015 268	0.	3.9	58.2
1 JAN 1740 69	0.	3.2	58.0 *	2 JAN 0200 169	0.	3.2	58.0 *	2 JAN 1020 269	0.	3.9	58.2
1 JAN 1745 70	0.	3.2	58.0 *	2 JAN 0205 170	0.	3.2	58.0 *	2 JAN 1025 270	0.	3.9	58.2
1 JAN 1750 71	0.	3.2	58.0 *	2 JAN 0210 171	0.	3.2	58.0 *	2 JAN 1030 271	0.	3.9	58.2
1 JAN 1755 72	0.	3.2	58.0 *	2 JAN 0215 172	0.	3.2	58.0 *	2 JAN 1035 272	0.	3.9	58.2
1 JAN 1800 73	0.	3.2	58.0 *	2 JAN 0220 173	0.	3.2	58.0 *	2 JAN 1040 273	0.	3.9	58.2
1 JAN 1805 74	0.	3.2	58.0 *	2 JAN 0225 174	0.	3.2	58.0 *	2 JAN 1045 274	0.	3.9	58.2
1 JAN 1810 75	0.	3.2	58.0 *	2 JAN 0230 175	0.	3.2	58.0 *	2 JAN 1050 275	0.	3.9	58.2
1 JAN 1815 76	0.	3.2	58.0 *	2 JAN 0235 176	0.	3.2	58.0 *	2 JAN 1055 276	0.	3.9	58.2
1 JAN 1820 77	0.	3.2	58.0 *	2 JAN 0240 177	0.	3.2	58.0 *	2 JAN 1100 277	0.	3.9	58.2
1 JAN 1825 78	0.	3.2	58.0 *	2 JAN 0245 178	0.	3.2	58.0 *	2 JAN 1105 278	0.	3.9	58.2
1 JAN 1830 79	0.	3.2	58.0 *	2 JAN 0250 179	0.	3.2	58.0 *	2 JAN 1110 279	0.	3.9	58.2
1 JAN 1835 80	0.	3.2	58.0 *	2 JAN 0255 180	0.	3.2	58.0 *	2 JAN 1115 280	0.	3.9	58.2
1 JAN 1840 81	0.	3.2	58.0 *	2 JAN 0300 181	0.	3.2	58.0 *	2 JAN 1120 281	0.	3.9	58.2
1 JAN 1845 82	0.	3.2	58.0 *	2 JAN 0305 182	0.	3.2	58.0 *	2 JAN 1125 282	0.	3.9	58.2
1 JAN 1850 83	0.	3.2	58.0 *	2 JAN 0310 183	0.	3.2	58.0 *	2 JAN 1130 283	0.	3.9	58.2
1 JAN 1855 84	0.	3.2	58.0 *	2 JAN 0315 184	0.	3.2	58.0 *	2 JAN 1135 284	0.	3.9	58.2
1 JAN 1900 85	0.	3.2	58.0 *	2 JAN 0320 185	0.	3.2	58.0 *	2 JAN 1140 285	0.	3.9	58.2
1 JAN 1905 86	0.	3.2	58.0 *	2 JAN 0325 186	0.	3.2	58.0 *	2 JAN 1145 286	0.	3.9	58.2
1 JAN 1910 87	0.	3.2	58.0 *	2 JAN 0330 187	0.	3.2	58.0 *	2 JAN 1150 287	0.	3.9	58.2
1 JAN 1915 88	0.	3.2	58.0 *	2 JAN 0335 188	0.	3.2	58.0 *	2 JAN 1155 288	0.	3.9	58.2
1 JAN 1920 89	0.	3.2	58.0 *	2 JAN 0340 189	0.	3.2	58.0 *	2 JAN 1200 289	0.	3.9	58.2
1 JAN 1925 90	0.	3.2	58.0 *	2 JAN 0345 190	0.	3.2	58.0 *	2 JAN 1205 290	0.	3.9	58.2
1 JAN 1930 91	0.	3.2	58.0 *	2 JAN 0350 191	0.	3.2	58.0 *	2 JAN 1210 291	0.	3.9	58.2
1 JAN 1935 92	0.	3.2	58.0 *	2 JAN 0355 192	0.	3.2	58.0 *	2 JAN 1215 292	0.	3.9	58.2
1 JAN 1940 93	0.	3.2	58.0 *	2 JAN 0400 193	0.	3.3	58.0 *	2 JAN 1220 293	0.	3.9	58.2
1 JAN 1945 94	0.	3.2	58.0 *	2 JAN 0405 194	0.	3.4	58.1 *	2 JAN 1225 294	0.	3.9	58.2
1 JAN 1950 95	0.	3.2	58.0 *	2 JAN 0410 195	0.	3.4	58.1 *	2 JAN 1230 295	0.	3.9	58.2
1 JAN 1955 96	0.	3.2	58.0 *	2 JAN 0415 196	0.	3.5	58.1 *	2 JAN 1235 296	0.	3.9	58.2
1 JAN 2000 97	0.	3.2	58.0 *	2 JAN 0420 197	0.	3.5	58.1 *	2 JAN 1240 297	0.	3.9	58.2
1 JAN 2005 98	0.	3.2	58.0 *	2 JAN 0425 198	0.	3.5	58.1 *	2 JAN 1245 298	0.	3.9	58.2
1 JAN 2010 99	0.	3.2	58.0 *	2 JAN 0430 199	0.	3.5	58.1 *	2 JAN 1250 299	0.	3.9	58.2
1 JAN 2015 100	0.	3.2	58.0 *	2 JAN 0435 200	0.	3.5	58.1 *	2 JAN 1255 300	0.	3.9	58.2

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
0.	.00	(CFS)	0.	0.	0.	0.
		(INCHES)	.000	.000	.000	.000
		(AC-FT)	0.	0.	0.	0.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE
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106 LS SCS LOSS RATE
 STRTL .74 INITIAL ABSTRACTION
 CRVNR 71.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

107 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .32 LAG

UNIT HYDROGRAPH
 21 END-OF-PERIOD ORDINATES

10.	32.	63.	79.	77.	64.	45.	30.	21.	14.
10.	7.	5.	3.	2.	2.	1.	1.	1.	0.
0.									

HYDROGRAPH AT STATION 6

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.01	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.01	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.01	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.01	.00	1.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	1.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	1.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	1.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	1.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	1.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	1.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	1.

1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.02	.01	1.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.01	2.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.01	2.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.03	.01	2.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	2.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.05	.02	3.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.07	.03	4.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.23	.12	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.03	.02	10.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.02	.02	14.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	16.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.01	.01	16.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	14.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	12.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	9.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	8.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	7.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	6.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	5.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	4.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.01	4.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.01	3.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	3.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	3.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	3.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.00	.00	3.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.00	.00	2.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.00	.00	2.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	2.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	2.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	2.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	2.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	2.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	2.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	2.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	2.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	2.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	2.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	2.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	2.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.

1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	1.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	1.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	1.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	1.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	1.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	1.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	1.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	1.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	1.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	1.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	1.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	1.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	1.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	1.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	1.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	1.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	1.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	1.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	1.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	1.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	1.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	1.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	1.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	1.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	1.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	1.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	1.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	1.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	1.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	1.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	1.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	1.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	1.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 1.93, TOTAL EXCESS = .56

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
16.	16.25	(CFS) 3.	1.	1.	1.
		(INCHES) .484	.564	.564	.564
		(AC-FT) 2.	2.	2.	2.

CUMULATIVE AREA = .06 SQ MI

108 KK

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*   DET_6   *
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DETAIN ON THE EAST SIDE OF TRACKS AT THE SUMP NEAR THE MOBILE HOME PARK

HYDROGRAPH ROUTING DATA

110 RS	STORAGE ROUTING										
	NSTPS	1	NUMBER OF SUBREACHES								
	ITYP	STOR	TYPE OF INITIAL CONDITION								
	RSVVIC	-1.00	INITIAL CONDITION								
	X	.00	WORKING R AND D COEFFICIENT								
111 SA	AREA	.0	.0	.6	1.6	3.4					
112 SE	ELEVATION	61.50	62.00	64.00	66.00	68.00					
113 SQ	DISCHARGE	0.	1.	3.	6.	8.	10.	61.	160.	297.	470.
114 SE	ELEVATION	61.50	62.00	62.50	63.00	63.50	64.00	64.10	64.20	64.30	64.40

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.01	.48	2.51	7.37
ELEVATION	61.50	62.00	64.00	66.00	68.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.04	.11	.26	.48	.54	.60	.67	.73
OUTFLOW	.00	.78	2.82	5.67	8.26	9.91	60.72	159.88	297.20	470.45
ELEVATION	61.50	62.00	62.50	63.00	63.50	64.00	64.10	64.20	64.30	64.40
STORAGE	2.51	7.37								
OUTFLOW	3242.49	6707.54								
ELEVATION	66.00	68.00								

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 10. TO 6708.
 THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
 THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION DET_6

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.0	61.5	*	1	JAN	2020	101	0.	.0	61.5	*	2	JAN	0440	201	9.	.3	63.7
1	JAN	1205	2	0.	.0	61.5	*	1	JAN	2025	102	0.	.0	61.5	*	2	JAN	0445	202	9.	.3	63.6
1	JAN	1210	3	0.	.0	61.5	*	1	JAN	2030	103	0.	.0	61.5	*	2	JAN	0450	203	9.	.3	63.6
1	JAN	1215	4	0.	.0	61.5	*	1	JAN	2035	104	0.	.0	61.5	*	2	JAN	0455	204	8.	.3	63.6
1	JAN	1220	5	0.	.0	61.5	*	1	JAN	2040	105	0.	.0	61.5	*	2	JAN	0500	205	8.	.3	63.5
1	JAN	1225	6	0.	.0	61.5	*	1	JAN	2045	106	0.	.0	61.5	*	2	JAN	0505	206	8.	.2	63.4
1	JAN	1230	7	0.	.0	61.5	*	1	JAN	2050	107	0.	.0	61.5	*	2	JAN	0510	207	7.	.2	63.3
1	JAN	1235	8	0.	.0	61.5	*	1	JAN	2055	108	0.	.0	61.5	*	2	JAN	0515	208	7.	.2	63.2
1	JAN	1240	9	0.	.0	61.5	*	1	JAN	2100	109	0.	.0	61.5	*	2	JAN	0520	209	6.	.2	63.1
1	JAN	1245	10	0.	.0	61.5	*	1	JAN	2105	110	0.	.0	61.5	*	2	JAN	0525	210	6.	.1	63.1
1	JAN	1250	11	0.	.0	61.5	*	1	JAN	2110	111	0.	.0	61.5	*	2	JAN	0530	211	5.	.1	63.0
1	JAN	1255	12	0.	.0	61.5	*	1	JAN	2115	112	0.	.0	61.5	*	2	JAN	0535	212	5.	.1	62.8
1	JAN	1300	13	0.	.0	61.5	*	1	JAN	2120	113	0.	.0	61.5	*	2	JAN	0540	213	4.	.1	62.8
1	JAN	1305	14	0.	.0	61.5	*	1	JAN	2125	114	0.	.0	61.5	*	2	JAN	0545	214	4.	.1	62.7
1	JAN	1310	15	0.	.0	61.5	*	1	JAN	2130	115	0.	.0	61.5	*	2	JAN	0550	215	3.	.1	62.6
1	JAN	1315	16	0.	.0	61.5	*	1	JAN	2135	116	0.	.0	61.5	*	2	JAN	0555	216	3.	.0	62.6
1	JAN	1320	17	0.	.0	61.5	*	1	JAN	2140	117	0.	.0	61.5	*	2	JAN	0600	217	3.	.0	62.5
1	JAN	1325	18	0.	.0	61.5	*	1	JAN	2145	118	0.	.0	61.5	*	2	JAN	0605	218	3.	.0	62.5
1	JAN	1330	19	0.	.0	61.5	*	1	JAN	2150	119	0.	.0	61.5	*	2	JAN	0610	219	2.	.0	62.4
1	JAN	1335	20	0.	.0	61.5	*	1	JAN	2155	120	0.	.0	61.5	*	2	JAN	0615	220	2.	.0	62.3
1	JAN	1340	21	0.	.0	61.5	*	1	JAN	2200	121	0.	.0	61.5	*	2	JAN	0620	221	2.	.0	62.3
1	JAN	1345	22	0.	.0	61.5	*	1	JAN	2205	122	0.	.0	61.5	*	2	JAN	0625	222	2.	.0	62.3
1	JAN	1350	23	0.	.0	61.5	*	1	JAN	2210	123	0.	.0	61.5	*	2	JAN	0630	223	2.	.0	62.3
1	JAN	1355	24	0.	.0	61.5	*	1	JAN	2215	124	0.	.0	61.5	*	2	JAN	0635	224	2.	.0	62.2
1	JAN	1400	25	0.	.0	61.5	*	1	JAN	2220	125	0.	.0	61.5	*	2	JAN	0640	225	2.	.0	62.2
1	JAN	1405	26	0.	.0	61.5	*	1	JAN	2225	126	0.	.0	61.5	*	2	JAN	0645	226	2.	.0	62.2
1	JAN	1410	27	0.	.0	61.5	*	1	JAN	2230	127	0.	.0	61.5	*	2	JAN	0650	227	2.	.0	62.2
1	JAN	1415	28	0.	.0	61.5	*	1	JAN	2235	128	0.	.0	61.5	*	2	JAN	0655	228	1.	.0	62.2
1	JAN	1420	29	0.	.0	61.5	*	1	JAN	2240	129	0.	.0	61.5	*	2	JAN	0700	229	1.	.0	62.2
1	JAN	1425	30	0.	.0	61.5	*	1	JAN	2245	130	0.	.0	61.5	*	2	JAN	0705	230	1.	.0	62.2
1	JAN	1430	31	0.	.0	61.5	*	1	JAN	2250	131	0.	.0	61.5	*	2	JAN	0710	231	1.	.0	62.1
1	JAN	1435	32	0.	.0	61.5	*	1	JAN	2255	132	0.	.0	61.5	*	2	JAN	0715	232	1.	.0	62.1
1	JAN	1440	33	0.	.0	61.5	*	1	JAN	2300	133	0.	.0	61.5	*	2	JAN	0720	233	1.	.0	62.1
1	JAN	1445	34	0.	.0	61.5	*	1	JAN	2305	134	0.	.0	61.5	*	2	JAN	0725	234	1.	.0	62.1
1	JAN	1450	35	0.	.0	61.5	*	1	JAN	2310	135	0.	.0	61.5	*	2	JAN	0730	235	1.	.0	62.1
1	JAN	1455	36	0.	.0	61.5	*	1	JAN	2315	136	0.	.0	61.5	*	2	JAN	0735	236	1.	.0	62.1
1	JAN	1500	37	0.	.0	61.5	*	1	JAN	2320	137	0.	.0	61.5	*	2	JAN	0740	237	1.	.0	62.1
1	JAN	1505	38	0.	.0	61.5	*	1	JAN	2325	138	0.	.0	61.5	*	2	JAN	0745	238	1.	.0	62.1
1	JAN	1510	39	0.	.0	61.5	*	1	JAN	2330	139	0.	.0	61.5	*	2	JAN	0750	239	1.	.0	62.1
1	JAN	1515	40	0.	.0	61.5	*	1	JAN	2335	140	0.	.0	61.5	*	2	JAN	0755	240	1.	.0	62.1
1	JAN	1520	41	0.	.0	61.5	*	1	JAN	2340	141	0.	.0	61.5	*	2	JAN	0800	241	1.	.0	62.1
1	JAN	1525	42	0.	.0	61.5	*	1	JAN	2345	142	0.	.0	61.5	*	2	JAN	0805	242	1.	.0	62.1
1	JAN	1530	43	0.	.0	61.5	*	1	JAN	2350	143	0.	.0	61.5	*	2	JAN	0810	243	1.	.0	62.1
1	JAN	1535	44	0.	.0	61.5	*	1	JAN	2355	144	0.	.0	61.5	*	2	JAN	0815	244	1.	.0	62.1
1	JAN	1540	45	0.	.0	61.5	*	2	JAN	0000	145	0.	.0	61.5	*	2	JAN	0820	245	1.	.0	62.1
1	JAN	1545	46	0.	.0	61.5	*	2	JAN	0005	146	0.	.0	61.5	*	2	JAN	0825	246	1.	.0	62.1
1	JAN	1550	47	0.	.0	61.5	*	2	JAN	0010	147	0.	.0	61.5	*	2	JAN	0830	247	1.	.0	62.1
1	JAN	1555	48	0.	.0	61.5	*	2	JAN	0015	148	0.	.0	61.5	*	2	JAN	0835	248	1.	.0	62.1
1	JAN	1600	49	0.	.0	61.5	*	2	JAN	0020	149	0.	.0	61.5	*	2	JAN	0840	249	1.	.0	62.1
1	JAN	1605	50	0.	.0	61.5	*	2	JAN	0025	150	0.	.0	61.5	*	2	JAN	0845	250	1.	.0	62.1
1	JAN	1610	51	0.	.0	61.5	*	2	JAN	0030	151	0.	.0	61.5	*	2	JAN	0850	251	1.	.0	62.1
1	JAN	1615	52	0.	.0	61.5	*	2	JAN	0035	152	0.	.0	61.5	*	2	JAN	0855	252	1.	.0	62.1

1 JAN 1620	53	0.	.0	61.5 *	2 JAN 0040	153	0.	.0	61.5 *	2 JAN 0900	253	1.	.0	62.1
1 JAN 1625	54	0.	.0	61.5 *	2 JAN 0045	154	0.	.0	61.5 *	2 JAN 0905	254	1.	.0	62.1
1 JAN 1630	55	0.	.0	61.5 *	2 JAN 0050	155	0.	.0	61.5 *	2 JAN 0910	255	1.	.0	62.0
1 JAN 1635	56	0.	.0	61.5 *	2 JAN 0055	156	0.	.0	61.5 *	2 JAN 0915	256	1.	.0	62.0
1 JAN 1640	57	0.	.0	61.5 *	2 JAN 0100	157	0.	.0	61.5 *	2 JAN 0920	257	1.	.0	62.0
1 JAN 1645	58	0.	.0	61.5 *	2 JAN 0105	158	0.	.0	61.5 *	2 JAN 0925	258	1.	.0	62.0
1 JAN 1650	59	0.	.0	61.5 *	2 JAN 0110	159	0.	.0	61.5 *	2 JAN 0930	259	1.	.0	62.0
1 JAN 1655	60	0.	.0	61.5 *	2 JAN 0115	160	0.	.0	61.5 *	2 JAN 0935	260	1.	.0	62.0
1 JAN 1700	61	0.	.0	61.5 *	2 JAN 0120	161	0.	.0	61.5 *	2 JAN 0940	261	1.	.0	62.0
1 JAN 1705	62	0.	.0	61.5 *	2 JAN 0125	162	0.	.0	61.5 *	2 JAN 0945	262	1.	.0	62.0
1 JAN 1710	63	0.	.0	61.5 *	2 JAN 0130	163	0.	.0	61.5 *	2 JAN 0950	263	1.	.0	62.0
1 JAN 1715	64	0.	.0	61.5 *	2 JAN 0135	164	0.	.0	61.5 *	2 JAN 0955	264	1.	.0	62.0
1 JAN 1720	65	0.	.0	61.5 *	2 JAN 0140	165	0.	.0	61.5 *	2 JAN 1000	265	1.	.0	62.0
1 JAN 1725	66	0.	.0	61.5 *	2 JAN 0145	166	0.	.0	61.5 *	2 JAN 1005	266	1.	.0	62.0
1 JAN 1730	67	0.	.0	61.5 *	2 JAN 0150	167	0.	.0	61.5 *	2 JAN 1010	267	1.	.0	62.0
1 JAN 1735	68	0.	.0	61.5 *	2 JAN 0155	168	0.	.0	61.5 *	2 JAN 1015	268	1.	.0	62.0
1 JAN 1740	69	0.	.0	61.5 *	2 JAN 0200	169	0.	.0	61.6 *	2 JAN 1020	269	1.	.0	62.0
1 JAN 1745	70	0.	.0	61.5 *	2 JAN 0205	170	0.	.0	61.6 *	2 JAN 1025	270	1.	.0	62.0
1 JAN 1750	71	0.	.0	61.5 *	2 JAN 0210	171	0.	.0	61.6 *	2 JAN 1030	271	1.	.0	62.0
1 JAN 1755	72	0.	.0	61.5 *	2 JAN 0215	172	0.	.0	61.6 *	2 JAN 1035	272	1.	.0	62.0
1 JAN 1800	73	0.	.0	61.5 *	2 JAN 0220	173	0.	.0	61.6 *	2 JAN 1040	273	1.	.0	62.0
1 JAN 1805	74	0.	.0	61.5 *	2 JAN 0225	174	0.	.0	61.7 *	2 JAN 1045	274	1.	.0	62.0
1 JAN 1810	75	0.	.0	61.5 *	2 JAN 0230	175	0.	.0	61.7 *	2 JAN 1050	275	1.	.0	62.0
1 JAN 1815	76	0.	.0	61.5 *	2 JAN 0235	176	0.	.0	61.7 *	2 JAN 1055	276	1.	.0	62.0
1 JAN 1820	77	0.	.0	61.5 *	2 JAN 0240	177	0.	.0	61.8 *	2 JAN 1100	277	1.	.0	62.0
1 JAN 1825	78	0.	.0	61.5 *	2 JAN 0245	178	0.	.0	61.8 *	2 JAN 1105	278	1.	.0	62.0
1 JAN 1830	79	0.	.0	61.5 *	2 JAN 0250	179	1.	.0	61.8 *	2 JAN 1110	279	1.	.0	62.0
1 JAN 1835	80	0.	.0	61.5 *	2 JAN 0255	180	1.	.0	61.9 *	2 JAN 1115	280	1.	.0	62.0
1 JAN 1840	81	0.	.0	61.5 *	2 JAN 0300	181	1.	.0	61.9 *	2 JAN 1120	281	1.	.0	62.0
1 JAN 1845	82	0.	.0	61.5 *	2 JAN 0305	182	1.	.0	62.0 *	2 JAN 1125	282	1.	.0	62.0
1 JAN 1850	83	0.	.0	61.5 *	2 JAN 0310	183	1.	.0	62.0 *	2 JAN 1130	283	1.	.0	62.0
1 JAN 1855	84	0.	.0	61.5 *	2 JAN 0315	184	1.	.0	62.0 *	2 JAN 1135	284	1.	.0	62.0
1 JAN 1900	85	0.	.0	61.5 *	2 JAN 0320	185	1.	.0	62.0 *	2 JAN 1140	285	1.	.0	62.0
1 JAN 1905	86	0.	.0	61.5 *	2 JAN 0325	186	1.	.0	62.1 *	2 JAN 1145	286	1.	.0	62.0
1 JAN 1910	87	0.	.0	61.5 *	2 JAN 0330	187	1.	.0	62.1 *	2 JAN 1150	287	1.	.0	62.0
1 JAN 1915	88	0.	.0	61.5 *	2 JAN 0335	188	1.	.0	62.1 *	2 JAN 1155	288	1.	.0	62.0
1 JAN 1920	89	0.	.0	61.5 *	2 JAN 0340	189	2.	.0	62.2 *	2 JAN 1200	289	1.	.0	62.0
1 JAN 1925	90	0.	.0	61.5 *	2 JAN 0345	190	2.	.0	62.3 *	2 JAN 1205	290	1.	.0	61.9
1 JAN 1930	91	0.	.0	61.5 *	2 JAN 0350	191	2.	.0	62.3 *	2 JAN 1210	291	1.	.0	61.9
1 JAN 1935	92	0.	.0	61.5 *	2 JAN 0355	192	3.	.0	62.4 *	2 JAN 1215	292	1.	.0	61.8
1 JAN 1940	93	0.	.0	61.5 *	2 JAN 0400	193	3.	.0	62.6 *	2 JAN 1220	293	0.	.0	61.8
1 JAN 1945	94	0.	.0	61.5 *	2 JAN 0405	194	4.	.1	62.7 *	2 JAN 1225	294	0.	.0	61.7
1 JAN 1950	95	0.	.0	61.5 *	2 JAN 0410	195	6.	.1	63.0 *	2 JAN 1230	295	0.	.0	61.6
1 JAN 1955	96	0.	.0	61.5 *	2 JAN 0415	196	7.	.2	63.2 *	2 JAN 1235	296	0.	.0	61.6
1 JAN 2000	97	0.	.0	61.5 *	2 JAN 0420	197	8.	.2	63.4 *	2 JAN 1240	297	0.	.0	61.6
1 JAN 2005	98	0.	.0	61.5 *	2 JAN 0425	198	8.	.3	63.6 *	2 JAN 1245	298	0.	.0	61.5
1 JAN 2010	99	0.	.0	61.5 *	2 JAN 0430	199	9.	.3	63.6 *	2 JAN 1250	299	0.	.0	61.5
1 JAN 2015	100	0.	.0	61.5 *	2 JAN 0435	200	9.	.3	63.7 *	2 JAN 1255	300	0.	.0	61.5

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
9.	16.58	(CFS) 3.	1.	1.	1.
		(INCHES) .484	.564	.564	.564
		(AC-FT) 2.	2.	2.	2.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
0.	16.58	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
63.66	16.58	62.50	61.83	61.82	61.82

CUMULATIVE AREA = .06 SQ MI

115 KK

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*         5 *
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SUBBASIN RUNOFF DATA

116 BA

SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

27 PB

STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI

INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

117 LS

SCS LOSS RATE

STRTL .94 INITIAL ABSTRACTION
 CRVNER 68.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

118 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .08 LAG

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

UNIT HYDROGRAPH
 7 END-OF-PERIOD ORDINATES

58. 64. 22. 8. 3. 1. 0.

HYDROGRAPH AT STATION 5

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.02	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.02	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	0.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	0.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.03	.00	0.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	0.

1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.27	.08	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	7.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	2.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.

1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.11, TOTAL EXCESS = .39

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR

7.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.337	.385	.385	.385
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .02 SQ MI

119 KK

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*       *
*   7   *
*       *
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SUBBASIN RUNOFF DATA

120 BA

SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

27 PB

STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI

INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

121 LS

SCS LOSS RATE

STRTL 1.03 INITIAL ABSTRACTION

CRVNR 66.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

122 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .13 LAG

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

UNIT HYDROGRAPH
 10 END-OF-PERIOD ORDINATES

26. 57. 41. 17. 9. 4. 2. 1. 0. 0.

HYDROGRAPH AT STATION 7

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.02	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.02	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	0.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.03	.00	0.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.03	.00	0.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	0.
1	JAN	1505	38	.00	.00	.00	0.	*	2	JAN	0335	188	.03	.03	.00	0.

1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.01	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.28	.07	3.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.01	5.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	3.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.

1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.17, TOTAL EXCESS = .32

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
5.	16.08	(CFS)	1.	0.	0.	0.

RTIMP .00 PERCENT IMPERVIOUS AREA

126 UD

SCS DIMENSIONLESS UNITGRAPH

TLAG .13 LAG

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

UNIT HYDROGRAPH
10 END-OF-PERIOD ORDINATES

13. 29. 20. 9. 4. 2. 1. 0. 0. 0.

HYDROGRAPH AT STATION 8

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.01	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.01	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	0.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	0.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.02	.00	0.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	0.
1	JAN	1505	38	.00	.00	.00	0.	*	2	JAN	0335	188	.03	.03	.01	0.
1	JAN	1510	39	.00	.00	.00	0.	*	2	JAN	0340	189	.04	.03	.01	0.

1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.05	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.07	.02	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.24	.11	2.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	4.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.02	.01	3.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	2.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.01	.01	1.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	0.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	0.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	0.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	0.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	0.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	0.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	0.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	0.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	0.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.

1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.01, TOTAL EXCESS = .49

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
4.	16.08	(CFS) 0.	0.	0.	0.
		(INCHES) .423	.488	.488	.488

(AC-FT) 0. 0. 0. 0.

CUMULATIVE AREA = .01 SQ MI

127 KK

* COMBINE *

COMBINE BASINS 5,7,8, AND OUTFLOW FROM EAST SIDE OF TRACKS

129 HC

HYDROGRAPH COMBINATION

ICOMP 4 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION COMBINE
SUM OF 4 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	2.	*
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	2.	*
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	2.	*
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	2.	*
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	2.	*
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	2.	*
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	2.	*
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	2.	*
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	2.	*
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	2.	*
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	2.	*
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	2.	*
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	2.	*
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	2.	*
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	2.	*
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	2.	*
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	2.	*
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	2.	*
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	2.	*
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	2.	*
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	2.	*
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	2.	*
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	2.	*
1	JAN	1355	24	0.	*	1	JAN	2010	99	0.	*	2	JAN	0225	174	0.	*	2	JAN	0840	249	2.	*
1	JAN	1400	25	0.	*	1	JAN	2015	100	0.	*	2	JAN	0230	175	0.	*	2	JAN	0845	250	2.	*
1	JAN	1405	26	0.	*	1	JAN	2020	101	0.	*	2	JAN	0235	176	0.	*	2	JAN	0850	251	2.	*
1	JAN	1410	27	0.	*	1	JAN	2025	102	0.	*	2	JAN	0240	177	0.	*	2	JAN	0855	252	2.	*
1	JAN	1415	28	0.	*	1	JAN	2030	103	0.	*	2	JAN	0245	178	1.	*	2	JAN	0900	253	2.	*
1	JAN	1420	29	0.	*	1	JAN	2035	104	0.	*	2	JAN	0250	179	1.	*	2	JAN	0905	254	2.	*

1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	1.	*	2 JAN 0910	255	2.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	1.	*	2 JAN 0915	256	2.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	1.	*	2 JAN 0920	257	2.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	1.	*	2 JAN 0925	258	2.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	1.	*	2 JAN 0930	259	2.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	1.	*	2 JAN 0935	260	2.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	2.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	2.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	2.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	3.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	3.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	5.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	6.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	15.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	20.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	17.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	14.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	13.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	12.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	12.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	11.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	11.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	11.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	11.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	10.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	10.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	9.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	9.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	8.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	8.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	7.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	7.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	6.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	6.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	5.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	5.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	4.	*	2 JAN 1210	291	1.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	4.	*	2 JAN 1215	292	1.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	4.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	3.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	3.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	3.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	3.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	3.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	3.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	3.	*	2 JAN 1255	300	0.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
20.	16.08	(CFS)	5.	1.	1.	1.
		(INCHES)	.415	.481	.481	.481
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .11 SQ MI

130 KK

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*   DETAIN   *
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DETAIN BASINS 5,7,8, AND OUTFLOW FROM EAST SIDE OF TRACKS

HYDROGRAPH ROUTING DATA

132 RS	STORAGE ROUTING					
	NSTPS		1	NUMBER OF SUBREACHES		
	ITYP		STOR	TYPE OF INITIAL CONDITION		
	RSVRIC	-1.00		INITIAL CONDITION		
	X	.00		WORKING R AND D COEFFICIENT		
133 SA	AREA	.0	.3	2.5	8.3	8.3
134 SQ	DISCHARGE	0.	0.	0.	0.	20.
135 SE	ELEVATION	51.00	52.00	54.00	56.00	56.10

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.10	2.57	12.84	13.67
ELEVATION	51.00	52.00	54.00	56.00	56.10

HYDROGRAPH AT STATION DETAIN

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	1200	1	0.	2.6	54.0	*	1	JAN	2020	101	0.	2.6	54.0	*	2	JAN	0440	201	0.	3.6	54.2
1	JAN	1205	2	0.	2.6	54.0	*	1	JAN	2025	102	0.	2.6	54.0	*	2	JAN	0445	202	0.	3.7	54.2
1	JAN	1210	3	0.	2.6	54.0	*	1	JAN	2030	103	0.	2.6	54.0	*	2	JAN	0450	203	0.	3.8	54.2
1	JAN	1215	4	0.	2.6	54.0	*	1	JAN	2035	104	0.	2.6	54.0	*	2	JAN	0455	204	0.	3.8	54.2
1	JAN	1220	5	0.	2.6	54.0	*	1	JAN	2040	105	0.	2.6	54.0	*	2	JAN	0500	205	0.	3.9	54.3
1	JAN	1225	6	0.	2.6	54.0	*	1	JAN	2045	106	0.	2.6	54.0	*	2	JAN	0505	206	0.	4.0	54.3
1	JAN	1230	7	0.	2.6	54.0	*	1	JAN	2050	107	0.	2.6	54.0	*	2	JAN	0510	207	0.	4.0	54.3
1	JAN	1235	8	0.	2.6	54.0	*	1	JAN	2055	108	0.	2.6	54.0	*	2	JAN	0515	208	0.	4.1	54.3
1	JAN	1240	9	0.	2.6	54.0	*	1	JAN	2100	109	0.	2.6	54.0	*	2	JAN	0520	209	0.	4.2	54.3
1	JAN	1245	10	0.	2.6	54.0	*	1	JAN	2105	110	0.	2.6	54.0	*	2	JAN	0525	210	0.	4.2	54.3
1	JAN	1250	11	0.	2.6	54.0	*	1	JAN	2110	111	0.	2.6	54.0	*	2	JAN	0530	211	0.	4.3	54.3
1	JAN	1255	12	0.	2.6	54.0	*	1	JAN	2115	112	0.	2.6	54.0	*	2	JAN	0535	212	0.	4.3	54.3
1	JAN	1300	13	0.	2.6	54.0	*	1	JAN	2120	113	0.	2.6	54.0	*	2	JAN	0540	213	0.	4.3	54.3
1	JAN	1305	14	0.	2.6	54.0	*	1	JAN	2125	114	0.	2.6	54.0	*	2	JAN	0545	214	0.	4.4	54.4
1	JAN	1310	15	0.	2.6	54.0	*	1	JAN	2130	115	0.	2.6	54.0	*	2	JAN	0550	215	0.	4.4	54.4
1	JAN	1315	16	0.	2.6	54.0	*	1	JAN	2135	116	0.	2.6	54.0	*	2	JAN	0555	216	0.	4.4	54.4
1	JAN	1320	17	0.	2.6	54.0	*	1	JAN	2140	117	0.	2.6	54.0	*	2	JAN	0600	217	0.	4.5	54.4
1	JAN	1325	18	0.	2.6	54.0	*	1	JAN	2145	118	0.	2.6	54.0	*	2	JAN	0605	218	0.	4.5	54.4
1	JAN	1330	19	0.	2.6	54.0	*	1	JAN	2150	119	0.	2.6	54.0	*	2	JAN	0610	219	0.	4.5	54.4
1	JAN	1335	20	0.	2.6	54.0	*	1	JAN	2155	120	0.	2.6	54.0	*	2	JAN	0615	220	0.	4.5	54.4
1	JAN	1340	21	0.	2.6	54.0	*	1	JAN	2200	121	0.	2.6	54.0	*	2	JAN	0620	221	0.	4.6	54.4

1 JAN 1345	22	0.	2.6	54.0	*	1 JAN 2205	122	0.	2.6	54.0	*	2 JAN 0625	222	0.	4.6	54.4
1 JAN 1350	23	0.	2.6	54.0	*	1 JAN 2210	123	0.	2.6	54.0	*	2 JAN 0630	223	0.	4.6	54.4
1 JAN 1355	24	0.	2.6	54.0	*	1 JAN 2215	124	0.	2.6	54.0	*	2 JAN 0635	224	0.	4.6	54.4
1 JAN 1400	25	0.	2.6	54.0	*	1 JAN 2220	125	0.	2.6	54.0	*	2 JAN 0640	225	0.	4.6	54.4
1 JAN 1405	26	0.	2.6	54.0	*	1 JAN 2225	126	0.	2.6	54.0	*	2 JAN 0645	226	0.	4.7	54.4
1 JAN 1410	27	0.	2.6	54.0	*	1 JAN 2230	127	0.	2.6	54.0	*	2 JAN 0650	227	0.	4.7	54.4
1 JAN 1415	28	0.	2.6	54.0	*	1 JAN 2235	128	0.	2.6	54.0	*	2 JAN 0655	228	0.	4.7	54.4
1 JAN 1420	29	0.	2.6	54.0	*	1 JAN 2240	129	0.	2.6	54.0	*	2 JAN 0700	229	0.	4.7	54.4
1 JAN 1425	30	0.	2.6	54.0	*	1 JAN 2245	130	0.	2.6	54.0	*	2 JAN 0705	230	0.	4.7	54.4
1 JAN 1430	31	0.	2.6	54.0	*	1 JAN 2250	131	0.	2.6	54.0	*	2 JAN 0710	231	0.	4.7	54.4
1 JAN 1435	32	0.	2.6	54.0	*	1 JAN 2255	132	0.	2.6	54.0	*	2 JAN 0715	232	0.	4.8	54.4
1 JAN 1440	33	0.	2.6	54.0	*	1 JAN 2300	133	0.	2.6	54.0	*	2 JAN 0720	233	0.	4.8	54.4
1 JAN 1445	34	0.	2.6	54.0	*	1 JAN 2305	134	0.	2.6	54.0	*	2 JAN 0725	234	0.	4.8	54.4
1 JAN 1450	35	0.	2.6	54.0	*	1 JAN 2310	135	0.	2.6	54.0	*	2 JAN 0730	235	0.	4.8	54.4
1 JAN 1455	36	0.	2.6	54.0	*	1 JAN 2315	136	0.	2.6	54.0	*	2 JAN 0735	236	0.	4.8	54.4
1 JAN 1500	37	0.	2.6	54.0	*	1 JAN 2320	137	0.	2.6	54.0	*	2 JAN 0740	237	0.	4.8	54.4
1 JAN 1505	38	0.	2.6	54.0	*	1 JAN 2325	138	0.	2.6	54.0	*	2 JAN 0745	238	0.	4.8	54.4
1 JAN 1510	39	0.	2.6	54.0	*	1 JAN 2330	139	0.	2.6	54.0	*	2 JAN 0750	239	0.	4.9	54.4
1 JAN 1515	40	0.	2.6	54.0	*	1 JAN 2335	140	0.	2.6	54.0	*	2 JAN 0755	240	0.	4.9	54.4
1 JAN 1520	41	0.	2.6	54.0	*	1 JAN 2340	141	0.	2.6	54.0	*	2 JAN 0800	241	0.	4.9	54.5
1 JAN 1525	42	0.	2.6	54.0	*	1 JAN 2345	142	0.	2.6	54.0	*	2 JAN 0805	242	0.	4.9	54.5
1 JAN 1530	43	0.	2.6	54.0	*	1 JAN 2350	143	0.	2.6	54.0	*	2 JAN 0810	243	0.	4.9	54.5
1 JAN 1535	44	0.	2.6	54.0	*	1 JAN 2355	144	0.	2.6	54.0	*	2 JAN 0815	244	0.	4.9	54.5
1 JAN 1540	45	0.	2.6	54.0	*	2 JAN 0000	145	0.	2.6	54.0	*	2 JAN 0820	245	0.	4.9	54.5
1 JAN 1545	46	0.	2.6	54.0	*	2 JAN 0005	146	0.	2.6	54.0	*	2 JAN 0825	246	0.	4.9	54.5
1 JAN 1550	47	0.	2.6	54.0	*	2 JAN 0010	147	0.	2.6	54.0	*	2 JAN 0830	247	0.	5.0	54.5
1 JAN 1555	48	0.	2.6	54.0	*	2 JAN 0015	148	0.	2.6	54.0	*	2 JAN 0835	248	0.	5.0	54.5
1 JAN 1600	49	0.	2.6	54.0	*	2 JAN 0020	149	0.	2.6	54.0	*	2 JAN 0840	249	0.	5.0	54.5
1 JAN 1605	50	0.	2.6	54.0	*	2 JAN 0025	150	0.	2.6	54.0	*	2 JAN 0845	250	0.	5.0	54.5
1 JAN 1610	51	0.	2.6	54.0	*	2 JAN 0030	151	0.	2.6	54.0	*	2 JAN 0850	251	0.	5.0	54.5
1 JAN 1615	52	0.	2.6	54.0	*	2 JAN 0035	152	0.	2.6	54.0	*	2 JAN 0855	252	0.	5.0	54.5
1 JAN 1620	53	0.	2.6	54.0	*	2 JAN 0040	153	0.	2.6	54.0	*	2 JAN 0900	253	0.	5.0	54.5
1 JAN 1625	54	0.	2.6	54.0	*	2 JAN 0045	154	0.	2.6	54.0	*	2 JAN 0905	254	0.	5.0	54.5
1 JAN 1630	55	0.	2.6	54.0	*	2 JAN 0050	155	0.	2.6	54.0	*	2 JAN 0910	255	0.	5.0	54.5
1 JAN 1635	56	0.	2.6	54.0	*	2 JAN 0055	156	0.	2.6	54.0	*	2 JAN 0915	256	0.	5.1	54.5
1 JAN 1640	57	0.	2.6	54.0	*	2 JAN 0100	157	0.	2.6	54.0	*	2 JAN 0920	257	0.	5.1	54.5
1 JAN 1645	58	0.	2.6	54.0	*	2 JAN 0105	158	0.	2.6	54.0	*	2 JAN 0925	258	0.	5.1	54.5
1 JAN 1650	59	0.	2.6	54.0	*	2 JAN 0110	159	0.	2.6	54.0	*	2 JAN 0930	259	0.	5.1	54.5
1 JAN 1655	60	0.	2.6	54.0	*	2 JAN 0115	160	0.	2.6	54.0	*	2 JAN 0935	260	0.	5.1	54.5
1 JAN 1700	61	0.	2.6	54.0	*	2 JAN 0120	161	0.	2.6	54.0	*	2 JAN 0940	261	0.	5.1	54.5
1 JAN 1705	62	0.	2.6	54.0	*	2 JAN 0125	162	0.	2.6	54.0	*	2 JAN 0945	262	0.	5.1	54.5
1 JAN 1710	63	0.	2.6	54.0	*	2 JAN 0130	163	0.	2.6	54.0	*	2 JAN 0950	263	0.	5.1	54.5
1 JAN 1715	64	0.	2.6	54.0	*	2 JAN 0135	164	0.	2.6	54.0	*	2 JAN 0955	264	0.	5.1	54.5
1 JAN 1720	65	0.	2.6	54.0	*	2 JAN 0140	165	0.	2.6	54.0	*	2 JAN 1000	265	0.	5.1	54.5
1 JAN 1725	66	0.	2.6	54.0	*	2 JAN 0145	166	0.	2.6	54.0	*	2 JAN 1005	266	0.	5.2	54.5
1 JAN 1730	67	0.	2.6	54.0	*	2 JAN 0150	167	0.	2.6	54.0	*	2 JAN 1010	267	0.	5.2	54.5
1 JAN 1735	68	0.	2.6	54.0	*	2 JAN 0155	168	0.	2.6	54.0	*	2 JAN 1015	268	0.	5.2	54.5
1 JAN 1740	69	0.	2.6	54.0	*	2 JAN 0200	169	0.	2.6	54.0	*	2 JAN 1020	269	0.	5.2	54.5
1 JAN 1745	70	0.	2.6	54.0	*	2 JAN 0205	170	0.	2.6	54.0	*	2 JAN 1025	270	0.	5.2	54.5
1 JAN 1750	71	0.	2.6	54.0	*	2 JAN 0210	171	0.	2.6	54.0	*	2 JAN 1030	271	0.	5.2	54.5
1 JAN 1755	72	0.	2.6	54.0	*	2 JAN 0215	172	0.	2.6	54.0	*	2 JAN 1035	272	0.	5.2	54.5
1 JAN 1800	73	0.	2.6	54.0	*	2 JAN 0220	173	0.	2.6	54.0	*	2 JAN 1040	273	0.	5.2	54.5
1 JAN 1805	74	0.	2.6	54.0	*	2 JAN 0225	174	0.	2.6	54.0	*	2 JAN 1045	274	0.	5.2	54.5
1 JAN 1810	75	0.	2.6	54.0	*	2 JAN 0230	175	0.	2.6	54.0	*	2 JAN 1050	275	0.	5.2	54.5
1 JAN 1815	76	0.	2.6	54.0	*	2 JAN 0235	176	0.	2.6	54.0	*	2 JAN 1055	276	0.	5.3	54.5
1 JAN 1820	77	0.	2.6	54.0	*	2 JAN 0240	177	0.	2.6	54.0	*	2 JAN 1100	277	0.	5.3	54.5
1 JAN 1825	78	0.	2.6	54.0	*	2 JAN 0245	178	0.	2.6	54.0	*	2 JAN 1105	278	0.	5.3	54.5
1 JAN 1830	79	0.	2.6	54.0	*	2 JAN 0250	179	0.	2.6	54.0	*	2 JAN 1110	279	0.	5.3	54.5
1 JAN 1835	80	0.	2.6	54.0	*	2 JAN 0255	180	0.	2.6	54.0	*	2 JAN 1115	280	0.	5.3	54.5
1 JAN 1840	81	0.	2.6	54.0	*	2 JAN 0300	181	0.	2.6	54.0	*	2 JAN 1120	281	0.	5.3	54.5

1 JAN 1845	82	0.	2.6	54.0 *	2 JAN 0305	182	0.	2.6	54.0 *	2 JAN 1125	282	0.	5.3	54.5
1 JAN 1850	83	0.	2.6	54.0 *	2 JAN 0310	183	0.	2.6	54.0 *	2 JAN 1130	283	0.	5.3	54.5
1 JAN 1855	84	0.	2.6	54.0 *	2 JAN 0315	184	0.	2.6	54.0 *	2 JAN 1135	284	0.	5.3	54.5
1 JAN 1900	85	0.	2.6	54.0 *	2 JAN 0320	185	0.	2.6	54.0 *	2 JAN 1140	285	0.	5.3	54.5
1 JAN 1905	86	0.	2.6	54.0 *	2 JAN 0325	186	0.	2.6	54.0 *	2 JAN 1145	286	0.	5.3	54.5
1 JAN 1910	87	0.	2.6	54.0 *	2 JAN 0330	187	0.	2.7	54.0 *	2 JAN 1150	287	0.	5.3	54.5
1 JAN 1915	88	0.	2.6	54.0 *	2 JAN 0335	188	0.	2.7	54.0 *	2 JAN 1155	288	0.	5.4	54.5
1 JAN 1920	89	0.	2.6	54.0 *	2 JAN 0340	189	0.	2.7	54.0 *	2 JAN 1200	289	0.	5.4	54.5
1 JAN 1925	90	0.	2.6	54.0 *	2 JAN 0345	190	0.	2.7	54.0 *	2 JAN 1205	290	0.	5.4	54.5
1 JAN 1930	91	0.	2.6	54.0 *	2 JAN 0350	191	0.	2.7	54.0 *	2 JAN 1210	291	0.	5.4	54.5
1 JAN 1935	92	0.	2.6	54.0 *	2 JAN 0355	192	0.	2.8	54.0 *	2 JAN 1215	292	0.	5.4	54.5
1 JAN 1940	93	0.	2.6	54.0 *	2 JAN 0400	193	0.	2.8	54.1 *	2 JAN 1220	293	0.	5.4	54.5
1 JAN 1945	94	0.	2.6	54.0 *	2 JAN 0405	194	0.	3.0	54.1 *	2 JAN 1225	294	0.	5.4	54.5
1 JAN 1950	95	0.	2.6	54.0 *	2 JAN 0410	195	0.	3.1	54.1 *	2 JAN 1230	295	0.	5.4	54.5
1 JAN 1955	96	0.	2.6	54.0 *	2 JAN 0415	196	0.	3.2	54.1 *	2 JAN 1235	296	0.	5.4	54.5
1 JAN 2000	97	0.	2.6	54.0 *	2 JAN 0420	197	0.	3.3	54.1 *	2 JAN 1240	297	0.	5.4	54.5
1 JAN 2005	98	0.	2.6	54.0 *	2 JAN 0425	198	0.	3.4	54.2 *	2 JAN 1245	298	0.	5.4	54.5
1 JAN 2010	99	0.	2.6	54.0 *	2 JAN 0430	199	0.	3.5	54.2 *	2 JAN 1250	299	0.	5.4	54.5
1 JAN 2015	100	0.	2.6	54.0 *	2 JAN 0435	200	0.	3.5	54.2 *	2 JAN 1255	300	0.	5.4	54.5

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
0.	.00	0.	0.	0.	0.
		(CFS)			
		(INCHES)	.000	.000	.000
		(AC-FT)	0.	0.	0.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
5.	24.75	5.	3.	3.	3.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
54.55	24.92	54.50	54.16	54.15	54.15

CUMULATIVE AREA = .11 SQ MI

136 KK

9A

BASIN 9A ULTIMATELY DRAINING TO PUMP STATION

SUBBASIN RUNOFF DATA

138 BA

SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

27 PB

STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI

INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

139 LS

SCS LOSS RATE

STRTL .90 INITIAL ABSTRACTION
 CRVNR 69.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

140 UD

SCS DIMENSIONLESS UNITGRAPH

TLAG .12 LAG

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

UNIT HYDROGRAPH
9 END-OF-PERIOD ORDINATES

30. 60. 30. 16. 7. 3. 1. 1. 0.

HYDROGRAPH AT STATION 9A

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.

1 JAN 1225	6	.00	.00	.00	0.	*	2 JAN 0055	156	.01	.01	.00	0.
1 JAN 1230	7	.00	.00	.00	0.	*	2 JAN 0100	157	.01	.01	.00	0.
1 JAN 1235	8	.00	.00	.00	0.	*	2 JAN 0105	158	.01	.01	.00	0.
1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.01	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.26	.09	5.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	7.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	5.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	3.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	2.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.

1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.

1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.08, TOTAL EXCESS = .42

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
7.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.365	.418	.418	.418
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .02 SQ MI

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141 KK

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*           *
*   DET9A   *
*           *
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DETAIN BASIN 9A IN THE SUMP

HYDROGRAPH ROUTING DATA

143 RS

STORAGE ROUTING

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NSTPS      1  NUMBER OF SUBREACHES
ITYP      STOR  TYPE OF INITIAL CONDITION
RSVRIC    -1.00 INITIAL CONDITION
X          .00 WORKING R AND D COEFFICIENT

```

144 SA

AREA .0 1.6 1.6

145 SQ DISCHARGE 0. 0. 20.
 146 SE ELEVATION 53.00 54.00 54.10

COMPUTED STORAGE-ELEVATION DATA

STORAGE .00 .53 .69
 ELEVATION 53.00 54.00 54.10

HYDROGRAPH AT STATION DET9A

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.5	54.0	*	1	JAN	2020	101	0.	.5	54.0	*	2	JAN	0440	201	1.	.5	54.0
1	JAN	1205	2	0.	.5	54.0	*	1	JAN	2025	102	0.	.5	54.0	*	2	JAN	0445	202	1.	.5	54.0
1	JAN	1210	3	0.	.5	54.0	*	1	JAN	2030	103	0.	.5	54.0	*	2	JAN	0450	203	1.	.5	54.0
1	JAN	1215	4	0.	.5	54.0	*	1	JAN	2035	104	0.	.5	54.0	*	2	JAN	0455	204	1.	.5	54.0
1	JAN	1220	5	0.	.5	54.0	*	1	JAN	2040	105	0.	.5	54.0	*	2	JAN	0500	205	1.	.5	54.0
1	JAN	1225	6	0.	.5	54.0	*	1	JAN	2045	106	0.	.5	54.0	*	2	JAN	0505	206	1.	.5	54.0
1	JAN	1230	7	0.	.5	54.0	*	1	JAN	2050	107	0.	.5	54.0	*	2	JAN	0510	207	1.	.5	54.0
1	JAN	1235	8	0.	.5	54.0	*	1	JAN	2055	108	0.	.5	54.0	*	2	JAN	0515	208	1.	.5	54.0
1	JAN	1240	9	0.	.5	54.0	*	1	JAN	2100	109	0.	.5	54.0	*	2	JAN	0520	209	1.	.5	54.0
1	JAN	1245	10	0.	.5	54.0	*	1	JAN	2105	110	0.	.5	54.0	*	2	JAN	0525	210	1.	.5	54.0
1	JAN	1250	11	0.	.5	54.0	*	1	JAN	2110	111	0.	.5	54.0	*	2	JAN	0530	211	1.	.5	54.0
1	JAN	1255	12	0.	.5	54.0	*	1	JAN	2115	112	0.	.5	54.0	*	2	JAN	0535	212	1.	.5	54.0
1	JAN	1300	13	0.	.5	54.0	*	1	JAN	2120	113	0.	.5	54.0	*	2	JAN	0540	213	1.	.5	54.0
1	JAN	1305	14	0.	.5	54.0	*	1	JAN	2125	114	0.	.5	54.0	*	2	JAN	0545	214	1.	.5	54.0
1	JAN	1310	15	0.	.5	54.0	*	1	JAN	2130	115	0.	.5	54.0	*	2	JAN	0550	215	1.	.5	54.0
1	JAN	1315	16	0.	.5	54.0	*	1	JAN	2135	116	0.	.5	54.0	*	2	JAN	0555	216	1.	.5	54.0
1	JAN	1320	17	0.	.5	54.0	*	1	JAN	2140	117	0.	.5	54.0	*	2	JAN	0600	217	1.	.5	54.0
1	JAN	1325	18	0.	.5	54.0	*	1	JAN	2145	118	0.	.5	54.0	*	2	JAN	0605	218	0.	.5	54.0
1	JAN	1330	19	0.	.5	54.0	*	1	JAN	2150	119	0.	.5	54.0	*	2	JAN	0610	219	0.	.5	54.0
1	JAN	1335	20	0.	.5	54.0	*	1	JAN	2155	120	0.	.5	54.0	*	2	JAN	0615	220	0.	.5	54.0
1	JAN	1340	21	0.	.5	54.0	*	1	JAN	2200	121	0.	.5	54.0	*	2	JAN	0620	221	0.	.5	54.0
1	JAN	1345	22	0.	.5	54.0	*	1	JAN	2205	122	0.	.5	54.0	*	2	JAN	0625	222	0.	.5	54.0
1	JAN	1350	23	0.	.5	54.0	*	1	JAN	2210	123	0.	.5	54.0	*	2	JAN	0630	223	0.	.5	54.0
1	JAN	1355	24	0.	.5	54.0	*	1	JAN	2215	124	0.	.5	54.0	*	2	JAN	0635	224	0.	.5	54.0
1	JAN	1400	25	0.	.5	54.0	*	1	JAN	2220	125	0.	.5	54.0	*	2	JAN	0640	225	0.	.5	54.0
1	JAN	1405	26	0.	.5	54.0	*	1	JAN	2225	126	0.	.5	54.0	*	2	JAN	0645	226	0.	.5	54.0
1	JAN	1410	27	0.	.5	54.0	*	1	JAN	2230	127	0.	.5	54.0	*	2	JAN	0650	227	0.	.5	54.0
1	JAN	1415	28	0.	.5	54.0	*	1	JAN	2235	128	0.	.5	54.0	*	2	JAN	0655	228	0.	.5	54.0
1	JAN	1420	29	0.	.5	54.0	*	1	JAN	2240	129	0.	.5	54.0	*	2	JAN	0700	229	0.	.5	54.0
1	JAN	1425	30	0.	.5	54.0	*	1	JAN	2245	130	0.	.5	54.0	*	2	JAN	0705	230	0.	.5	54.0
1	JAN	1430	31	0.	.5	54.0	*	1	JAN	2250	131	0.	.5	54.0	*	2	JAN	0710	231	0.	.5	54.0
1	JAN	1435	32	0.	.5	54.0	*	1	JAN	2255	132	0.	.5	54.0	*	2	JAN	0715	232	0.	.5	54.0
1	JAN	1440	33	0.	.5	54.0	*	1	JAN	2300	133	0.	.5	54.0	*	2	JAN	0720	233	0.	.5	54.0
1	JAN	1445	34	0.	.5	54.0	*	1	JAN	2305	134	0.	.5	54.0	*	2	JAN	0725	234	0.	.5	54.0
1	JAN	1450	35	0.	.5	54.0	*	1	JAN	2310	135	0.	.5	54.0	*	2	JAN	0730	235	0.	.5	54.0
1	JAN	1455	36	0.	.5	54.0	*	1	JAN	2315	136	0.	.5	54.0	*	2	JAN	0735	236	0.	.5	54.0
1	JAN	1500	37	0.	.5	54.0	*	1	JAN	2320	137	0.	.5	54.0	*	2	JAN	0740	237	0.	.5	54.0
1	JAN	1505	38	0.	.5	54.0	*	1	JAN	2325	138	0.	.5	54.0	*	2	JAN	0745	238	0.	.5	54.0
1	JAN	1510	39	0.	.5	54.0	*	1	JAN	2330	139	0.	.5	54.0	*	2	JAN	0750	239	0.	.5	54.0
1	JAN	1515	40	0.	.5	54.0	*	1	JAN	2335	140	0.	.5	54.0	*	2	JAN	0755	240	0.	.5	54.0

1 JAN 1520 41	0.	.5	54.0 *	1 JAN 2340 141	0.	.5	54.0 *	2 JAN 0800 241	0.	.5	54.0
1 JAN 1525 42	0.	.5	54.0 *	1 JAN 2345 142	0.	.5	54.0 *	2 JAN 0805 242	0.	.5	54.0
1 JAN 1530 43	0.	.5	54.0 *	1 JAN 2350 143	0.	.5	54.0 *	2 JAN 0810 243	0.	.5	54.0
1 JAN 1535 44	0.	.5	54.0 *	1 JAN 2355 144	0.	.5	54.0 *	2 JAN 0815 244	0.	.5	54.0
1 JAN 1540 45	0.	.5	54.0 *	2 JAN 0000 145	0.	.5	54.0 *	2 JAN 0820 245	0.	.5	54.0
1 JAN 1545 46	0.	.5	54.0 *	2 JAN 0005 146	0.	.5	54.0 *	2 JAN 0825 246	0.	.5	54.0
1 JAN 1550 47	0.	.5	54.0 *	2 JAN 0010 147	0.	.5	54.0 *	2 JAN 0830 247	0.	.5	54.0
1 JAN 1555 48	0.	.5	54.0 *	2 JAN 0015 148	0.	.5	54.0 *	2 JAN 0835 248	0.	.5	54.0
1 JAN 1600 49	0.	.5	54.0 *	2 JAN 0020 149	0.	.5	54.0 *	2 JAN 0840 249	0.	.5	54.0
1 JAN 1605 50	0.	.5	54.0 *	2 JAN 0025 150	0.	.5	54.0 *	2 JAN 0845 250	0.	.5	54.0
1 JAN 1610 51	0.	.5	54.0 *	2 JAN 0030 151	0.	.5	54.0 *	2 JAN 0850 251	0.	.5	54.0
1 JAN 1615 52	0.	.5	54.0 *	2 JAN 0035 152	0.	.5	54.0 *	2 JAN 0855 252	0.	.5	54.0
1 JAN 1620 53	0.	.5	54.0 *	2 JAN 0040 153	0.	.5	54.0 *	2 JAN 0900 253	0.	.5	54.0
1 JAN 1625 54	0.	.5	54.0 *	2 JAN 0045 154	0.	.5	54.0 *	2 JAN 0905 254	0.	.5	54.0
1 JAN 1630 55	0.	.5	54.0 *	2 JAN 0050 155	0.	.5	54.0 *	2 JAN 0910 255	0.	.5	54.0
1 JAN 1635 56	0.	.5	54.0 *	2 JAN 0055 156	0.	.5	54.0 *	2 JAN 0915 256	0.	.5	54.0
1 JAN 1640 57	0.	.5	54.0 *	2 JAN 0100 157	0.	.5	54.0 *	2 JAN 0920 257	0.	.5	54.0
1 JAN 1645 58	0.	.5	54.0 *	2 JAN 0105 158	0.	.5	54.0 *	2 JAN 0925 258	0.	.5	54.0
1 JAN 1650 59	0.	.5	54.0 *	2 JAN 0110 159	0.	.5	54.0 *	2 JAN 0930 259	0.	.5	54.0
1 JAN 1655 60	0.	.5	54.0 *	2 JAN 0115 160	0.	.5	54.0 *	2 JAN 0935 260	0.	.5	54.0
1 JAN 1700 61	0.	.5	54.0 *	2 JAN 0120 161	0.	.5	54.0 *	2 JAN 0940 261	0.	.5	54.0
1 JAN 1705 62	0.	.5	54.0 *	2 JAN 0125 162	0.	.5	54.0 *	2 JAN 0945 262	0.	.5	54.0
1 JAN 1710 63	0.	.5	54.0 *	2 JAN 0130 163	0.	.5	54.0 *	2 JAN 0950 263	0.	.5	54.0
1 JAN 1715 64	0.	.5	54.0 *	2 JAN 0135 164	0.	.5	54.0 *	2 JAN 0955 264	0.	.5	54.0
1 JAN 1720 65	0.	.5	54.0 *	2 JAN 0140 165	0.	.5	54.0 *	2 JAN 1000 265	0.	.5	54.0
1 JAN 1725 66	0.	.5	54.0 *	2 JAN 0145 166	0.	.5	54.0 *	2 JAN 1005 266	0.	.5	54.0
1 JAN 1730 67	0.	.5	54.0 *	2 JAN 0150 167	0.	.5	54.0 *	2 JAN 1010 267	0.	.5	54.0
1 JAN 1735 68	0.	.5	54.0 *	2 JAN 0155 168	0.	.5	54.0 *	2 JAN 1015 268	0.	.5	54.0
1 JAN 1740 69	0.	.5	54.0 *	2 JAN 0200 169	0.	.5	54.0 *	2 JAN 1020 269	0.	.5	54.0
1 JAN 1745 70	0.	.5	54.0 *	2 JAN 0205 170	0.	.5	54.0 *	2 JAN 1025 270	0.	.5	54.0
1 JAN 1750 71	0.	.5	54.0 *	2 JAN 0210 171	0.	.5	54.0 *	2 JAN 1030 271	0.	.5	54.0
1 JAN 1755 72	0.	.5	54.0 *	2 JAN 0215 172	0.	.5	54.0 *	2 JAN 1035 272	0.	.5	54.0
1 JAN 1800 73	0.	.5	54.0 *	2 JAN 0220 173	0.	.5	54.0 *	2 JAN 1040 273	0.	.5	54.0
1 JAN 1805 74	0.	.5	54.0 *	2 JAN 0225 174	0.	.5	54.0 *	2 JAN 1045 274	0.	.5	54.0
1 JAN 1810 75	0.	.5	54.0 *	2 JAN 0230 175	0.	.5	54.0 *	2 JAN 1050 275	0.	.5	54.0
1 JAN 1815 76	0.	.5	54.0 *	2 JAN 0235 176	0.	.5	54.0 *	2 JAN 1055 276	0.	.5	54.0
1 JAN 1820 77	0.	.5	54.0 *	2 JAN 0240 177	0.	.5	54.0 *	2 JAN 1100 277	0.	.5	54.0
1 JAN 1825 78	0.	.5	54.0 *	2 JAN 0245 178	0.	.5	54.0 *	2 JAN 1105 278	0.	.5	54.0
1 JAN 1830 79	0.	.5	54.0 *	2 JAN 0250 179	0.	.5	54.0 *	2 JAN 1110 279	0.	.5	54.0
1 JAN 1835 80	0.	.5	54.0 *	2 JAN 0255 180	0.	.5	54.0 *	2 JAN 1115 280	0.	.5	54.0
1 JAN 1840 81	0.	.5	54.0 *	2 JAN 0300 181	0.	.5	54.0 *	2 JAN 1120 281	0.	.5	54.0
1 JAN 1845 82	0.	.5	54.0 *	2 JAN 0305 182	0.	.5	54.0 *	2 JAN 1125 282	0.	.5	54.0
1 JAN 1850 83	0.	.5	54.0 *	2 JAN 0310 183	0.	.5	54.0 *	2 JAN 1130 283	0.	.5	54.0
1 JAN 1855 84	0.	.5	54.0 *	2 JAN 0315 184	0.	.5	54.0 *	2 JAN 1135 284	0.	.5	54.0
1 JAN 1900 85	0.	.5	54.0 *	2 JAN 0320 185	0.	.5	54.0 *	2 JAN 1140 285	0.	.5	54.0
1 JAN 1905 86	0.	.5	54.0 *	2 JAN 0325 186	0.	.5	54.0 *	2 JAN 1145 286	0.	.5	54.0
1 JAN 1910 87	0.	.5	54.0 *	2 JAN 0330 187	0.	.5	54.0 *	2 JAN 1150 287	0.	.5	54.0
1 JAN 1915 88	0.	.5	54.0 *	2 JAN 0335 188	0.	.5	54.0 *	2 JAN 1155 288	0.	.5	54.0
1 JAN 1920 89	0.	.5	54.0 *	2 JAN 0340 189	0.	.5	54.0 *	2 JAN 1200 289	0.	.5	54.0
1 JAN 1925 90	0.	.5	54.0 *	2 JAN 0345 190	1.	.5	54.0 *	2 JAN 1205 290	0.	.5	54.0
1 JAN 1930 91	0.	.5	54.0 *	2 JAN 0350 191	1.	.5	54.0 *	2 JAN 1210 291	0.	.5	54.0
1 JAN 1935 92	0.	.5	54.0 *	2 JAN 0355 192	1.	.5	54.0 *	2 JAN 1215 292	0.	.5	54.0
1 JAN 1940 93	0.	.5	54.0 *	2 JAN 0400 193	2.	.6	54.0 *	2 JAN 1220 293	0.	.5	54.0
1 JAN 1945 94	0.	.5	54.0 *	2 JAN 0405 194	4.	.6	54.0 *	2 JAN 1225 294	0.	.5	54.0
1 JAN 1950 95	0.	.5	54.0 *	2 JAN 0410 195	5.	.6	54.0 *	2 JAN 1230 295	0.	.5	54.0
1 JAN 1955 96	0.	.5	54.0 *	2 JAN 0415 196	5.	.6	54.0 *	2 JAN 1235 296	0.	.5	54.0
1 JAN 2000 97	0.	.5	54.0 *	2 JAN 0420 197	4.	.6	54.0 *	2 JAN 1240 297	0.	.5	54.0
1 JAN 2005 98	0.	.5	54.0 *	2 JAN 0425 198	3.	.6	54.0 *	2 JAN 1245 298	0.	.5	54.0
1 JAN 2010 99	0.	.5	54.0 *	2 JAN 0430 199	2.	.5	54.0 *	2 JAN 1250 299	0.	.5	54.0
1 JAN 2015 100	0.	.5	54.0 *	2 JAN 0435 200	2.	.5	54.0 *	2 JAN 1255 300	0.	.5	54.0

.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

150 LS SCS LOSS RATE
 STRTL .94 INITIAL ABSTRACTION
 CRVNER 68.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

151 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .12 LAG

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

UNIT HYDROGRAPH
 9 END-OF-PERIOD ORDINATES

43. 89. 58. 24. 11. 5. 2. 1. 0.

HYDROGRAPH AT STATION 9B

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.

1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.27	.08	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	9.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	7.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	5.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	3.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	2.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	2.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	2.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.

1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.

2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.11, TOTAL EXCESS = .39

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
9.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.337	.385	.385	.385
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .03 SQ MI

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*           *
152 KK *   DET *   9B
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DETAIN BASIN 9B IN THE SUMP

HYDROGRAPH ROUTING DATA

154 RS	STORAGE ROUTING				
	NSTPS	1	NUMBER OF SUBREACHES		
	ITYP	STOR	TYPE OF INITIAL CONDITION		
	RSVRIC	-1.00	INITIAL CONDITION		
	X	.00	WORKING R AND D COEFFICIENT		
155 SA	AREA	.0	1.3	5.7	5.7
156 SQ	DISCHARGE	0.	0.	0.	20.
157 SE	ELEVATION	53.00	54.00	56.00	56.10

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.43	6.91	7.48
ELEVATION	53.00	54.00	56.00	56.10

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HYDROGRAPH AT STATION DET

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

1 JAN 1200	1	0.	6.9	56.0	* 1 JAN 2020	101	0.	6.9	56.0	* 2 JAN 0440	201	3.	7.0	56.0
1 JAN 1205	2	0.	6.9	56.0	* 1 JAN 2025	102	0.	6.9	56.0	* 2 JAN 0445	202	3.	7.0	56.0
1 JAN 1210	3	0.	6.9	56.0	* 1 JAN 2030	103	0.	6.9	56.0	* 2 JAN 0450	203	2.	7.0	56.0
1 JAN 1215	4	0.	6.9	56.0	* 1 JAN 2035	104	0.	6.9	56.0	* 2 JAN 0455	204	2.	7.0	56.0
1 JAN 1220	5	0.	6.9	56.0	* 1 JAN 2040	105	0.	6.9	56.0	* 2 JAN 0500	205	2.	7.0	56.0
1 JAN 1225	6	0.	6.9	56.0	* 1 JAN 2045	106	0.	6.9	56.0	* 2 JAN 0505	206	2.	7.0	56.0
1 JAN 1230	7	0.	6.9	56.0	* 1 JAN 2050	107	0.	6.9	56.0	* 2 JAN 0510	207	2.	7.0	56.0
1 JAN 1235	8	0.	6.9	56.0	* 1 JAN 2055	108	0.	6.9	56.0	* 2 JAN 0515	208	1.	7.0	56.0
1 JAN 1240	9	0.	6.9	56.0	* 1 JAN 2100	109	0.	6.9	56.0	* 2 JAN 0520	209	1.	7.0	56.0
1 JAN 1245	10	0.	6.9	56.0	* 1 JAN 2105	110	0.	6.9	56.0	* 2 JAN 0525	210	1.	6.9	56.0
1 JAN 1250	11	0.	6.9	56.0	* 1 JAN 2110	111	0.	6.9	56.0	* 2 JAN 0530	211	1.	6.9	56.0
1 JAN 1255	12	0.	6.9	56.0	* 1 JAN 2115	112	0.	6.9	56.0	* 2 JAN 0535	212	1.	6.9	56.0
1 JAN 1300	13	0.	6.9	56.0	* 1 JAN 2120	113	0.	6.9	56.0	* 2 JAN 0540	213	1.	6.9	56.0
1 JAN 1305	14	0.	6.9	56.0	* 1 JAN 2125	114	0.	6.9	56.0	* 2 JAN 0545	214	1.	6.9	56.0
1 JAN 1310	15	0.	6.9	56.0	* 1 JAN 2130	115	0.	6.9	56.0	* 2 JAN 0550	215	1.	6.9	56.0
1 JAN 1315	16	0.	6.9	56.0	* 1 JAN 2135	116	0.	6.9	56.0	* 2 JAN 0555	216	1.	6.9	56.0
1 JAN 1320	17	0.	6.9	56.0	* 1 JAN 2140	117	0.	6.9	56.0	* 2 JAN 0600	217	1.	6.9	56.0
1 JAN 1325	18	0.	6.9	56.0	* 1 JAN 2145	118	0.	6.9	56.0	* 2 JAN 0605	218	1.	6.9	56.0
1 JAN 1330	19	0.	6.9	56.0	* 1 JAN 2150	119	0.	6.9	56.0	* 2 JAN 0610	219	1.	6.9	56.0
1 JAN 1335	20	0.	6.9	56.0	* 1 JAN 2155	120	0.	6.9	56.0	* 2 JAN 0615	220	1.	6.9	56.0
1 JAN 1340	21	0.	6.9	56.0	* 1 JAN 2200	121	0.	6.9	56.0	* 2 JAN 0620	221	1.	6.9	56.0
1 JAN 1345	22	0.	6.9	56.0	* 1 JAN 2205	122	0.	6.9	56.0	* 2 JAN 0625	222	1.	6.9	56.0
1 JAN 1350	23	0.	6.9	56.0	* 1 JAN 2210	123	0.	6.9	56.0	* 2 JAN 0630	223	1.	6.9	56.0
1 JAN 1355	24	0.	6.9	56.0	* 1 JAN 2215	124	0.	6.9	56.0	* 2 JAN 0635	224	1.	6.9	56.0
1 JAN 1400	25	0.	6.9	56.0	* 1 JAN 2220	125	0.	6.9	56.0	* 2 JAN 0640	225	1.	6.9	56.0
1 JAN 1405	26	0.	6.9	56.0	* 1 JAN 2225	126	0.	6.9	56.0	* 2 JAN 0645	226	1.	6.9	56.0
1 JAN 1410	27	0.	6.9	56.0	* 1 JAN 2230	127	0.	6.9	56.0	* 2 JAN 0650	227	1.	6.9	56.0
1 JAN 1415	28	0.	6.9	56.0	* 1 JAN 2235	128	0.	6.9	56.0	* 2 JAN 0655	228	1.	6.9	56.0
1 JAN 1420	29	0.	6.9	56.0	* 1 JAN 2240	129	0.	6.9	56.0	* 2 JAN 0700	229	1.	6.9	56.0
1 JAN 1425	30	0.	6.9	56.0	* 1 JAN 2245	130	0.	6.9	56.0	* 2 JAN 0705	230	1.	6.9	56.0
1 JAN 1430	31	0.	6.9	56.0	* 1 JAN 2250	131	0.	6.9	56.0	* 2 JAN 0710	231	1.	6.9	56.0
1 JAN 1435	32	0.	6.9	56.0	* 1 JAN 2255	132	0.	6.9	56.0	* 2 JAN 0715	232	1.	6.9	56.0
1 JAN 1440	33	0.	6.9	56.0	* 1 JAN 2300	133	0.	6.9	56.0	* 2 JAN 0720	233	1.	6.9	56.0
1 JAN 1445	34	0.	6.9	56.0	* 1 JAN 2305	134	0.	6.9	56.0	* 2 JAN 0725	234	1.	6.9	56.0
1 JAN 1450	35	0.	6.9	56.0	* 1 JAN 2310	135	0.	6.9	56.0	* 2 JAN 0730	235	0.	6.9	56.0
1 JAN 1455	36	0.	6.9	56.0	* 1 JAN 2315	136	0.	6.9	56.0	* 2 JAN 0735	236	0.	6.9	56.0
1 JAN 1500	37	0.	6.9	56.0	* 1 JAN 2320	137	0.	6.9	56.0	* 2 JAN 0740	237	0.	6.9	56.0
1 JAN 1505	38	0.	6.9	56.0	* 1 JAN 2325	138	0.	6.9	56.0	* 2 JAN 0745	238	0.	6.9	56.0
1 JAN 1510	39	0.	6.9	56.0	* 1 JAN 2330	139	0.	6.9	56.0	* 2 JAN 0750	239	0.	6.9	56.0
1 JAN 1515	40	0.	6.9	56.0	* 1 JAN 2335	140	0.	6.9	56.0	* 2 JAN 0755	240	0.	6.9	56.0
1 JAN 1520	41	0.	6.9	56.0	* 1 JAN 2340	141	0.	6.9	56.0	* 2 JAN 0800	241	0.	6.9	56.0
1 JAN 1525	42	0.	6.9	56.0	* 1 JAN 2345	142	0.	6.9	56.0	* 2 JAN 0805	242	0.	6.9	56.0
1 JAN 1530	43	0.	6.9	56.0	* 1 JAN 2350	143	0.	6.9	56.0	* 2 JAN 0810	243	0.	6.9	56.0
1 JAN 1535	44	0.	6.9	56.0	* 1 JAN 2355	144	0.	6.9	56.0	* 2 JAN 0815	244	0.	6.9	56.0
1 JAN 1540	45	0.	6.9	56.0	* 2 JAN 0000	145	0.	6.9	56.0	* 2 JAN 0820	245	0.	6.9	56.0
1 JAN 1545	46	0.	6.9	56.0	* 2 JAN 0005	146	0.	6.9	56.0	* 2 JAN 0825	246	0.	6.9	56.0
1 JAN 1550	47	0.	6.9	56.0	* 2 JAN 0010	147	0.	6.9	56.0	* 2 JAN 0830	247	0.	6.9	56.0
1 JAN 1555	48	0.	6.9	56.0	* 2 JAN 0015	148	0.	6.9	56.0	* 2 JAN 0835	248	0.	6.9	56.0
1 JAN 1600	49	0.	6.9	56.0	* 2 JAN 0020	149	0.	6.9	56.0	* 2 JAN 0840	249	0.	6.9	56.0
1 JAN 1605	50	0.	6.9	56.0	* 2 JAN 0025	150	0.	6.9	56.0	* 2 JAN 0845	250	0.	6.9	56.0
1 JAN 1610	51	0.	6.9	56.0	* 2 JAN 0030	151	0.	6.9	56.0	* 2 JAN 0850	251	0.	6.9	56.0
1 JAN 1615	52	0.	6.9	56.0	* 2 JAN 0035	152	0.	6.9	56.0	* 2 JAN 0855	252	0.	6.9	56.0
1 JAN 1620	53	0.	6.9	56.0	* 2 JAN 0040	153	0.	6.9	56.0	* 2 JAN 0900	253	0.	6.9	56.0
1 JAN 1625	54	0.	6.9	56.0	* 2 JAN 0045	154	0.	6.9	56.0	* 2 JAN 0905	254	0.	6.9	56.0
1 JAN 1630	55	0.	6.9	56.0	* 2 JAN 0050	155	0.	6.9	56.0	* 2 JAN 0910	255	0.	6.9	56.0
1 JAN 1635	56	0.	6.9	56.0	* 2 JAN 0055	156	0.	6.9	56.0	* 2 JAN 0915	256	0.	6.9	56.0
1 JAN 1640	57	0.	6.9	56.0	* 2 JAN 0100	157	0.	6.9	56.0	* 2 JAN 0920	257	0.	6.9	56.0
1 JAN 1645	58	0.	6.9	56.0	* 2 JAN 0105	158	0.	6.9	56.0	* 2 JAN 0925	258	0.	6.9	56.0
1 JAN 1650	59	0.	6.9	56.0	* 2 JAN 0110	159	0.	6.9	56.0	* 2 JAN 0930	259	0.	6.9	56.0

1 JAN 1655	60	0.	6.9	56.0 *	2 JAN 0115	160	0.	6.9	56.0 *	2 JAN 0935	260	0.	6.9	56.0
1 JAN 1700	61	0.	6.9	56.0 *	2 JAN 0120	161	0.	6.9	56.0 *	2 JAN 0940	261	0.	6.9	56.0
1 JAN 1705	62	0.	6.9	56.0 *	2 JAN 0125	162	0.	6.9	56.0 *	2 JAN 0945	262	0.	6.9	56.0
1 JAN 1710	63	0.	6.9	56.0 *	2 JAN 0130	163	0.	6.9	56.0 *	2 JAN 0950	263	0.	6.9	56.0
1 JAN 1715	64	0.	6.9	56.0 *	2 JAN 0135	164	0.	6.9	56.0 *	2 JAN 0955	264	0.	6.9	56.0
1 JAN 1720	65	0.	6.9	56.0 *	2 JAN 0140	165	0.	6.9	56.0 *	2 JAN 1000	265	0.	6.9	56.0
1 JAN 1725	66	0.	6.9	56.0 *	2 JAN 0145	166	0.	6.9	56.0 *	2 JAN 1005	266	0.	6.9	56.0
1 JAN 1730	67	0.	6.9	56.0 *	2 JAN 0150	167	0.	6.9	56.0 *	2 JAN 1010	267	0.	6.9	56.0
1 JAN 1735	68	0.	6.9	56.0 *	2 JAN 0155	168	0.	6.9	56.0 *	2 JAN 1015	268	0.	6.9	56.0
1 JAN 1740	69	0.	6.9	56.0 *	2 JAN 0200	169	0.	6.9	56.0 *	2 JAN 1020	269	0.	6.9	56.0
1 JAN 1745	70	0.	6.9	56.0 *	2 JAN 0205	170	0.	6.9	56.0 *	2 JAN 1025	270	0.	6.9	56.0
1 JAN 1750	71	0.	6.9	56.0 *	2 JAN 0210	171	0.	6.9	56.0 *	2 JAN 1030	271	0.	6.9	56.0
1 JAN 1755	72	0.	6.9	56.0 *	2 JAN 0215	172	0.	6.9	56.0 *	2 JAN 1035	272	0.	6.9	56.0
1 JAN 1800	73	0.	6.9	56.0 *	2 JAN 0220	173	0.	6.9	56.0 *	2 JAN 1040	273	0.	6.9	56.0
1 JAN 1805	74	0.	6.9	56.0 *	2 JAN 0225	174	0.	6.9	56.0 *	2 JAN 1045	274	0.	6.9	56.0
1 JAN 1810	75	0.	6.9	56.0 *	2 JAN 0230	175	0.	6.9	56.0 *	2 JAN 1050	275	0.	6.9	56.0
1 JAN 1815	76	0.	6.9	56.0 *	2 JAN 0235	176	0.	6.9	56.0 *	2 JAN 1055	276	0.	6.9	56.0
1 JAN 1820	77	0.	6.9	56.0 *	2 JAN 0240	177	0.	6.9	56.0 *	2 JAN 1100	277	0.	6.9	56.0
1 JAN 1825	78	0.	6.9	56.0 *	2 JAN 0245	178	0.	6.9	56.0 *	2 JAN 1105	278	0.	6.9	56.0
1 JAN 1830	79	0.	6.9	56.0 *	2 JAN 0250	179	0.	6.9	56.0 *	2 JAN 1110	279	0.	6.9	56.0
1 JAN 1835	80	0.	6.9	56.0 *	2 JAN 0255	180	0.	6.9	56.0 *	2 JAN 1115	280	0.	6.9	56.0
1 JAN 1840	81	0.	6.9	56.0 *	2 JAN 0300	181	0.	6.9	56.0 *	2 JAN 1120	281	0.	6.9	56.0
1 JAN 1845	82	0.	6.9	56.0 *	2 JAN 0305	182	0.	6.9	56.0 *	2 JAN 1125	282	0.	6.9	56.0
1 JAN 1850	83	0.	6.9	56.0 *	2 JAN 0310	183	0.	6.9	56.0 *	2 JAN 1130	283	0.	6.9	56.0
1 JAN 1855	84	0.	6.9	56.0 *	2 JAN 0315	184	0.	6.9	56.0 *	2 JAN 1135	284	0.	6.9	56.0
1 JAN 1900	85	0.	6.9	56.0 *	2 JAN 0320	185	0.	6.9	56.0 *	2 JAN 1140	285	0.	6.9	56.0
1 JAN 1905	86	0.	6.9	56.0 *	2 JAN 0325	186	0.	6.9	56.0 *	2 JAN 1145	286	0.	6.9	56.0
1 JAN 1910	87	0.	6.9	56.0 *	2 JAN 0330	187	0.	6.9	56.0 *	2 JAN 1150	287	0.	6.9	56.0
1 JAN 1915	88	0.	6.9	56.0 *	2 JAN 0335	188	0.	6.9	56.0 *	2 JAN 1155	288	0.	6.9	56.0
1 JAN 1920	89	0.	6.9	56.0 *	2 JAN 0340	189	0.	6.9	56.0 *	2 JAN 1200	289	0.	6.9	56.0
1 JAN 1925	90	0.	6.9	56.0 *	2 JAN 0345	190	0.	6.9	56.0 *	2 JAN 1205	290	0.	6.9	56.0
1 JAN 1930	91	0.	6.9	56.0 *	2 JAN 0350	191	1.	6.9	56.0 *	2 JAN 1210	291	0.	6.9	56.0
1 JAN 1935	92	0.	6.9	56.0 *	2 JAN 0355	192	1.	6.9	56.0 *	2 JAN 1215	292	0.	6.9	56.0
1 JAN 1940	93	0.	6.9	56.0 *	2 JAN 0400	193	2.	7.0	56.0 *	2 JAN 1220	293	0.	6.9	56.0
1 JAN 1945	94	0.	6.9	56.0 *	2 JAN 0405	194	3.	7.0	56.0 *	2 JAN 1225	294	0.	6.9	56.0
1 JAN 1950	95	0.	6.9	56.0 *	2 JAN 0410	195	4.	7.0	56.0 *	2 JAN 1230	295	0.	6.9	56.0
1 JAN 1955	96	0.	6.9	56.0 *	2 JAN 0415	196	4.	7.0	56.0 *	2 JAN 1235	296	0.	6.9	56.0
1 JAN 2000	97	0.	6.9	56.0 *	2 JAN 0420	197	4.	7.0	56.0 *	2 JAN 1240	297	0.	6.9	56.0
1 JAN 2005	98	0.	6.9	56.0 *	2 JAN 0425	198	4.	7.0	56.0 *	2 JAN 1245	298	0.	6.9	56.0
1 JAN 2010	99	0.	6.9	56.0 *	2 JAN 0430	199	4.	7.0	56.0 *	2 JAN 1250	299	0.	6.9	56.0
1 JAN 2015	100	0.	6.9	56.0 *	2 JAN 0435	200	3.	7.0	56.0 *	2 JAN 1255	300	0.	6.9	56.0

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
4.	16.25	(CFS) 1.	0.	0.	0.
		(INCHES) .335	.385	.385	.385
		(AC-FT) 1.	1.	1.	1.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
7.	16.25	7.	7.	7.	7.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
56.02	16.25	56.01	56.00	56.00	56.00

CUMULATIVE AREA = .03 SQ MI

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*         9 *
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BASIN 9 DRAINING TO PUMP

SUBBASIN RUNOFF DATA

160 BA SUBBASIN CHARACTERISTICS
TAREA .04 SUBBASIN AREA

PRECIPITATION DATA

27 PB STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

161 LS SCS LOSS RATE
STRTL .90 INITIAL ABSTRACTION
CRVNDR 69.00 CURVE NUMBER
RTIMP .00 PERCENT IMPERVIOUS AREA

162 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .20 LAG

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

UNIT HYDROGRAPH
14 END-OF-PERIOD ORDINATES

20. 64. 80. 64. 35. 20. 12. 7. 4. 2.
1. 1. 0. 0.

HYDROGRAPH AT STATION 9

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.01	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.02	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	0.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	0.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.03	.00	1.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	1.
1	JAN	1505	38	.00	.00	.00	0.	*	2	JAN	0335	188	.03	.03	.00	1.
1	JAN	1510	39	.00	.00	.00	0.	*	2	JAN	0340	189	.04	.04	.01	1.
1	JAN	1515	40	.00	.00	.00	0.	*	2	JAN	0345	190	.05	.04	.01	1.
1	JAN	1520	41	.00	.00	.00	0.	*	2	JAN	0350	191	.07	.06	.01	2.
1	JAN	1525	42	.00	.00	.00	0.	*	2	JAN	0355	192	.10	.08	.02	2.

1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.26	.09	5.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	9.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	11.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	9.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	7.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	5.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	4.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	3.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	3.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	2.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	2.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	2.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.

1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.08, TOTAL EXCESS = .42

PEAK FLOW (CPS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
11.	16.17	(CPS)	2.	0.	0.	0.
		(INCHES)	.364	.418	.418	.418
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .04 SQ MI

163 KK

* *
* CON_2 *
* *

Q DRAINING TO THE PUMP

165 HC

HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CON_2
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	2.
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	2.
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	2.
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	2.
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	2.
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	2.
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	2.
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	2.
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	2.
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	1.
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	1.
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	1.
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	1.
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	1.
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	1.
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	1.
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	1.
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	1.
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	1.
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	1.
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	1.
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	1.
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	1.
1	JAN	1355	24	0.	*	1	JAN	2010	99	0.	*	2	JAN	0225	174	0.	*	2	JAN	0840	249	1.
1	JAN	1400	25	0.	*	1	JAN	2015	100	0.	*	2	JAN	0230	175	0.	*	2	JAN	0845	250	1.
1	JAN	1405	26	0.	*	1	JAN	2020	101	0.	*	2	JAN	0235	176	0.	*	2	JAN	0850	251	1.
1	JAN	1410	27	0.	*	1	JAN	2025	102	0.	*	2	JAN	0240	177	0.	*	2	JAN	0855	252	1.
1	JAN	1415	28	0.	*	1	JAN	2030	103	0.	*	2	JAN	0245	178	0.	*	2	JAN	0900	253	1.
1	JAN	1420	29	0.	*	1	JAN	2035	104	0.	*	2	JAN	0250	179	0.	*	2	JAN	0905	254	1.
1	JAN	1425	30	0.	*	1	JAN	2040	105	0.	*	2	JAN	0255	180	0.	*	2	JAN	0910	255	1.
1	JAN	1430	31	0.	*	1	JAN	2045	106	0.	*	2	JAN	0300	181	0.	*	2	JAN	0915	256	1.
1	JAN	1435	32	0.	*	1	JAN	2050	107	0.	*	2	JAN	0305	182	0.	*	2	JAN	0920	257	1.

1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	0.	*	2 JAN 0925	258	1.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	1.	*	2 JAN 0930	259	1.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	1.	*	2 JAN 0935	260	1.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	1.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	1.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	1.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	2.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	2.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	3.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	4.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	9.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	16.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	20.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	19.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	15.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	12.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	10.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	8.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	7.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	6.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	5.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	5.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	4.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	4.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	4.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	4.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	3.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	3.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	3.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	3.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	3.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	3.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	3.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	2.	*	2 JAN 1210	291	1.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	2.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	2.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	2.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	2.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	2.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	2.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	2.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	2.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	2.	*	2 JAN 1255	300	0.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
20.	16.17	(CFS) 3.	1.	1.	1.
		(INCHES) .354	.407	.407	.407
		(AC-FT) 2.	2.	2.	2.

CUMULATIVE AREA = .09 SQ MI

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*           *
166 KK    * PUMP *
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DETAIN FOR PUMP STATION / BEGIN 10" PIPE AT "CONNECTION 2"
 PUMP CAPACITY IS 1.7 CPS
 ASSUME PUMP TURNS ON IMMEDIATELY (EL. 50.1)

HYDROGRAPH ROUTING DATA

170 RS	STORAGE ROUTING							
	NSTPS	1 NUMBER OF SUBREACHES						
	ITYP	STOR TYPE OF INITIAL CONDITION						
	RSVRIC	-1.00 INITIAL CONDITION						
	X	.00 WORKING R AND D COEFFICIENT						
171 SA	AREA	.0	.0	.1	1.5	2.9	2.9	4.7
172 SQ	DISCHARGE	0.	2.	2.	2.	2.	2.	2.
173 SE	ELEVATION	50.00	50.10	52.00	53.00	54.00	54.10	56.00

COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.00	.05	.67	2.83	3.12	10.21
ELEVATION	50.00	50.10	52.00	53.00	54.00	54.10	56.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 2.
 THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
 THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION PUMP

HYDROGRAPH AT STATION PUMP																						

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

1	JAN	1200	1	0.	.0	50.0	*	1	JAN	2020	101	0.	.0	50.0	*	2	JAN	0440	201	2.	.7	53.0
1	JAN	1205	2	0.	.0	50.0	*	1	JAN	2025	102	0.	.0	50.0	*	2	JAN	0445	202	2.	.7	53.0
1	JAN	1210	3	0.	.0	50.0	*	1	JAN	2030	103	0.	.0	50.0	*	2	JAN	0450	203	2.	.8	53.0
1	JAN	1215	4	0.	.0	50.0	*	1	JAN	2035	104	0.	.0	50.0	*	2	JAN	0455	204	2.	.8	53.0
1	JAN	1220	5	0.	.0	50.0	*	1	JAN	2040	105	0.	.0	50.0	*	2	JAN	0500	205	2.	.8	53.1
1	JAN	1225	6	0.	.0	50.0	*	1	JAN	2045	106	0.	.0	50.0	*	2	JAN	0505	206	2.	.8	53.1
1	JAN	1230	7	0.	.0	50.0	*	1	JAN	2050	107	0.	.0	50.0	*	2	JAN	0510	207	2.	.8	53.1
1	JAN	1235	8	0.	.0	50.0	*	1	JAN	2055	108	0.	.0	50.0	*	2	JAN	0515	208	2.	.8	53.1
1	JAN	1240	9	0.	.0	50.0	*	1	JAN	2100	109	0.	.0	50.0	*	2	JAN	0520	209	2.	.9	53.1
1	JAN	1245	10	0.	.0	50.0	*	1	JAN	2105	110	0.	.0	50.0	*	2	JAN	0525	210	2.	.9	53.1
1	JAN	1250	11	0.	.0	50.0	*	1	JAN	2110	111	0.	.0	50.0	*	2	JAN	0530	211	2.	.9	53.1
1	JAN	1255	12	0.	.0	50.0	*	1	JAN	2115	112	0.	.0	50.0	*	2	JAN	0535	212	2.	.9	53.1
1	JAN	1300	13	0.	.0	50.0	*	1	JAN	2120	113	0.	.0	50.0	*	2	JAN	0540	213	2.	.9	53.1
1	JAN	1305	14	0.	.0	50.0	*	1	JAN	2125	114	0.	.0	50.0	*	2	JAN	0545	214	2.	.9	53.1
1	JAN	1310	15	0.	.0	50.0	*	1	JAN	2130	115	0.	.0	50.0	*	2	JAN	0550	215	2.	.9	53.1
1	JAN	1315	16	0.	.0	50.0	*	1	JAN	2135	116	0.	.0	50.0	*	2	JAN	0555	216	2.	.9	53.1
1	JAN	1320	17	0.	.0	50.0	*	1	JAN	2140	117	0.	.0	50.0	*	2	JAN	0600	217	2.	.9	53.1
1	JAN	1325	18	0.	.0	50.0	*	1	JAN	2145	118	0.	.0	50.0	*	2	JAN	0605	218	2.	.9	53.1

1 JAN 1330 19	0.	.0	50.0 *	1 JAN 2150 119	0.	.0	50.0 *	2 JAN 0610 219	2.	.9	53.1
1 JAN 1335 20	0.	.0	50.0 *	1 JAN 2155 120	0.	.0	50.0 *	2 JAN 0615 220	2.	.9	53.1
1 JAN 1340 21	0.	.0	50.0 *	1 JAN 2200 121	0.	.0	50.0 *	2 JAN 0620 221	2.	.9	53.1
1 JAN 1345 22	0.	.0	50.0 *	1 JAN 2205 122	0.	.0	50.0 *	2 JAN 0625 222	2.	.9	53.1
1 JAN 1350 23	0.	.0	50.0 *	1 JAN 2210 123	0.	.0	50.0 *	2 JAN 0630 223	2.	.9	53.1
1 JAN 1355 24	0.	.0	50.0 *	1 JAN 2215 124	0.	.0	50.0 *	2 JAN 0635 224	2.	.9	53.1
1 JAN 1400 25	0.	.0	50.0 *	1 JAN 2220 125	0.	.0	50.0 *	2 JAN 0640 225	2.	.9	53.1
1 JAN 1405 26	0.	.0	50.0 *	1 JAN 2225 126	0.	.0	50.0 *	2 JAN 0645 226	2.	.9	53.1
1 JAN 1410 27	0.	.0	50.0 *	1 JAN 2230 127	0.	.0	50.0 *	2 JAN 0650 227	2.	.9	53.1
1 JAN 1415 28	0.	.0	50.0 *	1 JAN 2235 128	0.	.0	50.0 *	2 JAN 0655 228	2.	.9	53.1
1 JAN 1420 29	0.	.0	50.0 *	1 JAN 2240 129	0.	.0	50.0 *	2 JAN 0700 229	2.	.9	53.1
1 JAN 1425 30	0.	.0	50.0 *	1 JAN 2245 130	0.	.0	50.0 *	2 JAN 0705 230	2.	.9	53.1
1 JAN 1430 31	0.	.0	50.0 *	1 JAN 2250 131	0.	.0	50.0 *	2 JAN 0710 231	2.	.9	53.1
1 JAN 1435 32	0.	.0	50.0 *	1 JAN 2255 132	0.	.0	50.0 *	2 JAN 0715 232	2.	.9	53.1
1 JAN 1440 33	0.	.0	50.0 *	1 JAN 2300 133	0.	.0	50.0 *	2 JAN 0720 233	2.	.9	53.1
1 JAN 1445 34	0.	.0	50.0 *	1 JAN 2305 134	0.	.0	50.0 *	2 JAN 0725 234	2.	.9	53.1
1 JAN 1450 35	0.	.0	50.0 *	1 JAN 2310 135	0.	.0	50.0 *	2 JAN 0730 235	2.	.9	53.1
1 JAN 1455 36	0.	.0	50.0 *	1 JAN 2315 136	0.	.0	50.0 *	2 JAN 0735 236	2.	.9	53.1
1 JAN 1500 37	0.	.0	50.0 *	1 JAN 2320 137	0.	.0	50.0 *	2 JAN 0740 237	2.	.9	53.1
1 JAN 1505 38	0.	.0	50.0 *	1 JAN 2325 138	0.	.0	50.0 *	2 JAN 0745 238	2.	.9	53.1
1 JAN 1510 39	0.	.0	50.0 *	1 JAN 2330 139	0.	.0	50.0 *	2 JAN 0750 239	2.	.9	53.1
1 JAN 1515 40	0.	.0	50.0 *	1 JAN 2335 140	0.	.0	50.0 *	2 JAN 0755 240	2.	.9	53.1
1 JAN 1520 41	0.	.0	50.0 *	1 JAN 2340 141	0.	.0	50.0 *	2 JAN 0800 241	2.	.9	53.1
1 JAN 1525 42	0.	.0	50.0 *	1 JAN 2345 142	0.	.0	50.0 *	2 JAN 0805 242	2.	.9	53.1
1 JAN 1530 43	0.	.0	50.0 *	1 JAN 2350 143	0.	.0	50.0 *	2 JAN 0810 243	2.	.9	53.1
1 JAN 1535 44	0.	.0	50.0 *	1 JAN 2355 144	0.	.0	50.0 *	2 JAN 0815 244	2.	.9	53.1
1 JAN 1540 45	0.	.0	50.0 *	2 JAN 0000 145	0.	.0	50.0 *	2 JAN 0820 245	2.	.9	53.1
1 JAN 1545 46	0.	.0	50.0 *	2 JAN 0005 146	0.	.0	50.0 *	2 JAN 0825 246	2.	.9	53.1
1 JAN 1550 47	0.	.0	50.0 *	2 JAN 0010 147	0.	.0	50.0 *	2 JAN 0830 247	2.	.9	53.1
1 JAN 1555 48	0.	.0	50.0 *	2 JAN 0015 148	0.	.0	50.0 *	2 JAN 0835 248	2.	.9	53.1
1 JAN 1600 49	0.	.0	50.0 *	2 JAN 0020 149	0.	.0	50.0 *	2 JAN 0840 249	2.	.9	53.1
1 JAN 1605 50	0.	.0	50.0 *	2 JAN 0025 150	0.	.0	50.0 *	2 JAN 0845 250	2.	.9	53.1
1 JAN 1610 51	0.	.0	50.0 *	2 JAN 0030 151	0.	.0	50.0 *	2 JAN 0850 251	2.	.9	53.1
1 JAN 1615 52	0.	.0	50.0 *	2 JAN 0035 152	0.	.0	50.0 *	2 JAN 0855 252	2.	.9	53.1
1 JAN 1620 53	0.	.0	50.0 *	2 JAN 0040 153	0.	.0	50.0 *	2 JAN 0900 253	2.	.9	53.1
1 JAN 1625 54	0.	.0	50.0 *	2 JAN 0045 154	0.	.0	50.0 *	2 JAN 0905 254	2.	.9	53.1
1 JAN 1630 55	0.	.0	50.0 *	2 JAN 0050 155	0.	.0	50.0 *	2 JAN 0910 255	2.	.9	53.1
1 JAN 1635 56	0.	.0	50.0 *	2 JAN 0055 156	0.	.0	50.0 *	2 JAN 0915 256	2.	.9	53.1
1 JAN 1640 57	0.	.0	50.0 *	2 JAN 0100 157	0.	.0	50.0 *	2 JAN 0920 257	2.	.9	53.1
1 JAN 1645 58	0.	.0	50.0 *	2 JAN 0105 158	0.	.0	50.0 *	2 JAN 0925 258	2.	.9	53.1
1 JAN 1650 59	0.	.0	50.0 *	2 JAN 0110 159	0.	.0	50.0 *	2 JAN 0930 259	2.	.9	53.1
1 JAN 1655 60	0.	.0	50.0 *	2 JAN 0115 160	0.	.0	50.0 *	2 JAN 0935 260	2.	.9	53.1
1 JAN 1700 61	0.	.0	50.0 *	2 JAN 0120 161	0.	.0	50.0 *	2 JAN 0940 261	2.	.9	53.1
1 JAN 1705 62	0.	.0	50.0 *	2 JAN 0125 162	0.	.0	50.0 *	2 JAN 0945 262	2.	.8	53.1
1 JAN 1710 63	0.	.0	50.0 *	2 JAN 0130 163	0.	.0	50.0 *	2 JAN 0950 263	2.	.8	53.1
1 JAN 1715 64	0.	.0	50.0 *	2 JAN 0135 164	0.	.0	50.0 *	2 JAN 0955 264	2.	.8	53.1
1 JAN 1720 65	0.	.0	50.0 *	2 JAN 0140 165	0.	.0	50.0 *	2 JAN 1000 265	2.	.8	53.1
1 JAN 1725 66	0.	.0	50.0 *	2 JAN 0145 166	0.	.0	50.0 *	2 JAN 1005 266	2.	.8	53.1
1 JAN 1730 67	0.	.0	50.0 *	2 JAN 0150 167	0.	.0	50.0 *	2 JAN 1010 267	2.	.8	53.1
1 JAN 1735 68	0.	.0	50.0 *	2 JAN 0155 168	0.	.0	50.0 *	2 JAN 1015 268	2.	.8	53.1
1 JAN 1740 69	0.	.0	50.0 *	2 JAN 0200 169	0.	.0	50.0 *	2 JAN 1020 269	2.	.8	53.1
1 JAN 1745 70	0.	.0	50.0 *	2 JAN 0205 170	0.	.0	50.0 *	2 JAN 1025 270	2.	.8	53.1
1 JAN 1750 71	0.	.0	50.0 *	2 JAN 0210 171	0.	.0	50.0 *	2 JAN 1030 271	2.	.8	53.1
1 JAN 1755 72	0.	.0	50.0 *	2 JAN 0215 172	0.	.0	50.0 *	2 JAN 1035 272	2.	.8	53.1
1 JAN 1800 73	0.	.0	50.0 *	2 JAN 0220 173	0.	.0	50.0 *	2 JAN 1040 273	2.	.8	53.1
1 JAN 1805 74	0.	.0	50.0 *	2 JAN 0225 174	0.	.0	50.0 *	2 JAN 1045 274	2.	.8	53.1
1 JAN 1810 75	0.	.0	50.0 *	2 JAN 0230 175	0.	.0	50.0 *	2 JAN 1050 275	2.	.8	53.1
1 JAN 1815 76	0.	.0	50.0 *	2 JAN 0235 176	0.	.0	50.0 *	2 JAN 1055 276	2.	.8	53.1
1 JAN 1820 77	0.	.0	50.0 *	2 JAN 0240 177	0.	.0	50.0 *	2 JAN 1100 277	2.	.8	53.0
1 JAN 1825 78	0.	.0	50.0 *	2 JAN 0245 178	0.	.0	50.0 *	2 JAN 1105 278	2.	.8	53.0

1 JAN 1830 79	0.	.0	50.0 *	2 JAN 0250 179	0.	.0	50.0 *	2 JAN 1110 279	2.	.8	53.0
1 JAN 1835 80	0.	.0	50.0 *	2 JAN 0255 180	0.	.0	50.0 *	2 JAN 1115 280	2.	.8	53.0
1 JAN 1840 81	0.	.0	50.0 *	2 JAN 0300 181	0.	.0	50.0 *	2 JAN 1120 281	2.	.8	53.0
1 JAN 1845 82	0.	.0	50.0 *	2 JAN 0305 182	0.	.0	50.0 *	2 JAN 1125 282	2.	.8	53.0
1 JAN 1850 83	0.	.0	50.0 *	2 JAN 0310 183	0.	.0	50.0 *	2 JAN 1130 283	2.	.7	53.0
1 JAN 1855 84	0.	.0	50.0 *	2 JAN 0315 184	1.	.0	50.0 *	2 JAN 1135 284	2.	.7	53.0
1 JAN 1900 85	0.	.0	50.0 *	2 JAN 0320 185	1.	.0	50.0 *	2 JAN 1140 285	2.	.7	53.0
1 JAN 1905 86	0.	.0	50.0 *	2 JAN 0325 186	1.	.0	50.1 *	2 JAN 1145 286	2.	.7	53.0
1 JAN 1910 87	0.	.0	50.0 *	2 JAN 0330 187	1.	.0	50.1 *	2 JAN 1150 287	2.	.7	53.0
1 JAN 1915 88	0.	.0	50.0 *	2 JAN 0335 188	1.	.0	50.1 *	2 JAN 1155 288	2.	.7	53.0
1 JAN 1920 89	0.	.0	50.0 *	2 JAN 0340 189	2.	.0	50.1 *	2 JAN 1200 289	2.	.7	53.0
1 JAN 1925 90	0.	.0	50.0 *	2 JAN 0345 190	2.	.0	50.2 *	2 JAN 1205 290	2.	.7	53.0
1 JAN 1930 91	0.	.0	50.0 *	2 JAN 0350 191	2.	.0	50.5 *	2 JAN 1210 291	2.	.7	53.0
1 JAN 1935 92	0.	.0	50.0 *	2 JAN 0355 192	2.	.0	51.0 *	2 JAN 1215 292	2.	.7	53.0
1 JAN 1940 93	0.	.0	50.0 *	2 JAN 0400 193	2.	.1	52.0 *	2 JAN 1220 293	2.	.7	53.0
1 JAN 1945 94	0.	.0	50.0 *	2 JAN 0405 194	2.	.1	52.1 *	2 JAN 1225 294	2.	.7	53.0
1 JAN 1950 95	0.	.0	50.0 *	2 JAN 0410 195	2.	.2	52.3 *	2 JAN 1230 295	2.	.7	53.0
1 JAN 1955 96	0.	.0	50.0 *	2 JAN 0415 196	2.	.4	52.5 *	2 JAN 1235 296	2.	.6	53.0
1 JAN 2000 97	0.	.0	50.0 *	2 JAN 0420 197	2.	.5	52.7 *	2 JAN 1240 297	2.	.6	52.9
1 JAN 2005 98	0.	.0	50.0 *	2 JAN 0425 198	2.	.5	52.8 *	2 JAN 1245 298	2.	.6	52.9
1 JAN 2010 99	0.	.0	50.0 *	2 JAN 0430 199	2.	.6	52.9 *	2 JAN 1250 299	2.	.6	52.9
1 JAN 2015 100	0.	.0	50.0 *	2 JAN 0435 200	2.	.7	53.0 *	2 JAN 1255 300	2.	.6	52.9

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
2.	15.67	(CFS) 2.	1.	1.	1.
		(INCHES) .176	.261	.261	.261
		(AC-FT) 1.	1.	1.	1.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
1.	18.75	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
53.12	18.83	53.10	51.14	51.10	51.10

CUMULATIVE AREA = .09 SQ MT

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 174 KK * RT_23 *
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175 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLST	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE
IPNCH	0	PUNCH COMPUTED HYDROGRAPH
IOUT	21	SAVE HYDROGRAPH ON THIS UNIT
ISAV1	1	FIRST ORDINATE PUNCHED OR SAVED

ISAV2 300 LAST ORDINATE PUNCHED OR SAVED
 TIMINT .083 TIME INTERVAL IN HOURS

ROUTE FROM "CONNECTION 2 TO CONNECTION 3"
 THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 0.74'X 0.74' BOX, WHICH HAS
 THE SAME X-SECTIONAL AREA AS A 10" PIPE ***HAD TO CHANGE XS AREA DUE TO
 WARNINGS IN OUTPUT

HYDROGRAPH ROUTING DATA

180 RS STORAGE ROUTING
 NSTPS 3 NUMBER OF SUBREACHES
 ITYP STOR TYPE OF INITIAL CONDITION
 RSVRIC -1.00 INITIAL CONDITION
 X .00 WORKING R AND D COEFFICIENT

181 RC NORMAL DEPTH CHANNEL
 ANL .013 LEFT OVBANK N-VALUE
 ANCH .013 MAIN CHANNEL N-VALUE
 ANR .013 RIGHT OVBANK N-VALUE
 RLNTH 2425. REACH LENGTH
 SEL .0025 ENERGY SLOPE
 ELMAX .0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVBANK ---	+	----- MAIN CHANNEL -----	+	--- RIGHT OVBANK ---	
183 RY	ELEVATION	1.74	1.74	1.74	1.00	1.00	1.74
182 RX	DISTANCE	1.00	2.00	5.00	5.00	6.00	7.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02
OUTFLOW	.00	.02	.07	.14	.22	.30	.39	.49	.59	.70
ELEVATION	1.00	1.04	1.08	1.12	1.16	1.19	1.23	1.27	1.31	1.35
STORAGE	.02	.02	.03	.03	.03	.03	.03	.04	.04	.04
OUTFLOW	.81	.92	1.04	1.16	1.28	1.40	1.52	1.64	1.77	1.89
ELEVATION	1.39	1.43	1.47	1.51	1.55	1.58	1.62	1.66	1.70	1.74

HYDROGRAPH AT STATION RT_23

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.0	1.0	*	1	JAN	2020	101	0.	.0	1.0	*	2	JAN	0440	201	2.	.0	1.7
1	JAN	1205	2	0.	.0	1.0	*	1	JAN	2025	102	0.	.0	1.0	*	2	JAN	0445	202	2.	.0	1.7
1	JAN	1210	3	0.	.0	1.0	*	1	JAN	2030	103	0.	.0	1.0	*	2	JAN	0450	203	2.	.0	1.7
1	JAN	1215	4	0.	.0	1.0	*	1	JAN	2035	104	0.	.0	1.0	*	2	JAN	0455	204	2.	.0	1.7
1	JAN	1220	5	0.	.0	1.0	*	1	JAN	2040	105	0.	.0	1.0	*	2	JAN	0500	205	2.	.0	1.7
1	JAN	1225	6	0.	.0	1.0	*	1	JAN	2045	106	0.	.0	1.0	*	2	JAN	0505	206	2.	.0	1.7
1	JAN	1230	7	0.	.0	1.0	*	1	JAN	2050	107	0.	.0	1.0	*	2	JAN	0510	207	2.	.0	1.7
1	JAN	1235	8	0.	.0	1.0	*	1	JAN	2055	108	0.	.0	1.0	*	2	JAN	0515	208	2.	.0	1.7
1	JAN	1240	9	0.	.0	1.0	*	1	JAN	2100	109	0.	.0	1.0	*	2	JAN	0520	209	2.	.0	1.7
1	JAN	1245	10	0.	.0	1.0	*	1	JAN	2105	110	0.	.0	1.0	*	2	JAN	0525	210	2.	.0	1.7

1 JAN 1250 11	0.	.0	1.0 *	1 JAN 2110 111	0.	.0	1.0 *	2 JAN 0530 211	2.	.0	1.7
1 JAN 1255 12	0.	.0	1.0 *	1 JAN 2115 112	0.	.0	1.0 *	2 JAN 0535 212	2.	.0	1.7
1 JAN 1300 13	0.	.0	1.0 *	1 JAN 2120 113	0.	.0	1.0 *	2 JAN 0540 213	2.	.0	1.7
1 JAN 1305 14	0.	.0	1.0 *	1 JAN 2125 114	0.	.0	1.0 *	2 JAN 0545 214	2.	.0	1.7
1 JAN 1310 15	0.	.0	1.0 *	1 JAN 2130 115	0.	.0	1.0 *	2 JAN 0550 215	2.	.0	1.7
1 JAN 1315 16	0.	.0	1.0 *	1 JAN 2135 116	0.	.0	1.0 *	2 JAN 0555 216	2.	.0	1.7
1 JAN 1320 17	0.	.0	1.0 *	1 JAN 2140 117	0.	.0	1.0 *	2 JAN 0600 217	2.	.0	1.7
1 JAN 1325 18	0.	.0	1.0 *	1 JAN 2145 118	0.	.0	1.0 *	2 JAN 0605 218	2.	.0	1.7
1 JAN 1330 19	0.	.0	1.0 *	1 JAN 2150 119	0.	.0	1.0 *	2 JAN 0610 219	2.	.0	1.7
1 JAN 1335 20	0.	.0	1.0 *	1 JAN 2155 120	0.	.0	1.0 *	2 JAN 0615 220	2.	.0	1.7
1 JAN 1340 21	0.	.0	1.0 *	1 JAN 2200 121	0.	.0	1.0 *	2 JAN 0620 221	2.	.0	1.7
1 JAN 1345 22	0.	.0	1.0 *	1 JAN 2205 122	0.	.0	1.0 *	2 JAN 0625 222	2.	.0	1.7
1 JAN 1350 23	0.	.0	1.0 *	1 JAN 2210 123	0.	.0	1.0 *	2 JAN 0630 223	2.	.0	1.7
1 JAN 1355 24	0.	.0	1.0 *	1 JAN 2215 124	0.	.0	1.0 *	2 JAN 0635 224	2.	.0	1.7
1 JAN 1400 25	0.	.0	1.0 *	1 JAN 2220 125	0.	.0	1.0 *	2 JAN 0640 225	2.	.0	1.7
1 JAN 1405 26	0.	.0	1.0 *	1 JAN 2225 126	0.	.0	1.0 *	2 JAN 0645 226	2.	.0	1.7
1 JAN 1410 27	0.	.0	1.0 *	1 JAN 2230 127	0.	.0	1.0 *	2 JAN 0650 227	2.	.0	1.7
1 JAN 1415 28	0.	.0	1.0 *	1 JAN 2235 128	0.	.0	1.0 *	2 JAN 0655 228	2.	.0	1.7
1 JAN 1420 29	0.	.0	1.0 *	1 JAN 2240 129	0.	.0	1.0 *	2 JAN 0700 229	2.	.0	1.7
1 JAN 1425 30	0.	.0	1.0 *	1 JAN 2245 130	0.	.0	1.0 *	2 JAN 0705 230	2.	.0	1.7
1 JAN 1430 31	0.	.0	1.0 *	1 JAN 2250 131	0.	.0	1.0 *	2 JAN 0710 231	2.	.0	1.7
1 JAN 1435 32	0.	.0	1.0 *	1 JAN 2255 132	0.	.0	1.0 *	2 JAN 0715 232	2.	.0	1.7
1 JAN 1440 33	0.	.0	1.0 *	1 JAN 2300 133	0.	.0	1.0 *	2 JAN 0720 233	2.	.0	1.7
1 JAN 1445 34	0.	.0	1.0 *	1 JAN 2305 134	0.	.0	1.0 *	2 JAN 0725 234	2.	.0	1.7
1 JAN 1450 35	0.	.0	1.0 *	1 JAN 2310 135	0.	.0	1.0 *	2 JAN 0730 235	2.	.0	1.7
1 JAN 1455 36	0.	.0	1.0 *	1 JAN 2315 136	0.	.0	1.0 *	2 JAN 0735 236	2.	.0	1.7
1 JAN 1500 37	0.	.0	1.0 *	1 JAN 2320 137	0.	.0	1.0 *	2 JAN 0740 237	2.	.0	1.7
1 JAN 1505 38	0.	.0	1.0 *	1 JAN 2325 138	0.	.0	1.0 *	2 JAN 0745 238	2.	.0	1.7
1 JAN 1510 39	0.	.0	1.0 *	1 JAN 2330 139	0.	.0	1.0 *	2 JAN 0750 239	2.	.0	1.7
1 JAN 1515 40	0.	.0	1.0 *	1 JAN 2335 140	0.	.0	1.0 *	2 JAN 0755 240	2.	.0	1.7
1 JAN 1520 41	0.	.0	1.0 *	1 JAN 2340 141	0.	.0	1.0 *	2 JAN 0800 241	2.	.0	1.7
1 JAN 1525 42	0.	.0	1.0 *	1 JAN 2345 142	0.	.0	1.0 *	2 JAN 0805 242	2.	.0	1.7
1 JAN 1530 43	0.	.0	1.0 *	1 JAN 2350 143	0.	.0	1.0 *	2 JAN 0810 243	2.	.0	1.7
1 JAN 1535 44	0.	.0	1.0 *	1 JAN 2355 144	0.	.0	1.0 *	2 JAN 0815 244	2.	.0	1.7
1 JAN 1540 45	0.	.0	1.0 *	2 JAN 0000 145	0.	.0	1.0 *	2 JAN 0820 245	2.	.0	1.7
1 JAN 1545 46	0.	.0	1.0 *	2 JAN 0005 146	0.	.0	1.0 *	2 JAN 0825 246	2.	.0	1.7
1 JAN 1550 47	0.	.0	1.0 *	2 JAN 0010 147	0.	.0	1.0 *	2 JAN 0830 247	2.	.0	1.7
1 JAN 1555 48	0.	.0	1.0 *	2 JAN 0015 148	0.	.0	1.0 *	2 JAN 0835 248	2.	.0	1.7
1 JAN 1600 49	0.	.0	1.0 *	2 JAN 0020 149	0.	.0	1.0 *	2 JAN 0840 249	2.	.0	1.7
1 JAN 1605 50	0.	.0	1.0 *	2 JAN 0025 150	0.	.0	1.0 *	2 JAN 0845 250	2.	.0	1.7
1 JAN 1610 51	0.	.0	1.0 *	2 JAN 0030 151	0.	.0	1.0 *	2 JAN 0850 251	2.	.0	1.7
1 JAN 1615 52	0.	.0	1.0 *	2 JAN 0035 152	0.	.0	1.0 *	2 JAN 0855 252	2.	.0	1.7
1 JAN 1620 53	0.	.0	1.0 *	2 JAN 0040 153	0.	.0	1.0 *	2 JAN 0900 253	2.	.0	1.7
1 JAN 1625 54	0.	.0	1.0 *	2 JAN 0045 154	0.	.0	1.0 *	2 JAN 0905 254	2.	.0	1.7
1 JAN 1630 55	0.	.0	1.0 *	2 JAN 0050 155	0.	.0	1.0 *	2 JAN 0910 255	2.	.0	1.7
1 JAN 1635 56	0.	.0	1.0 *	2 JAN 0055 156	0.	.0	1.0 *	2 JAN 0915 256	2.	.0	1.7
1 JAN 1640 57	0.	.0	1.0 *	2 JAN 0100 157	0.	.0	1.0 *	2 JAN 0920 257	2.	.0	1.7
1 JAN 1645 58	0.	.0	1.0 *	2 JAN 0105 158	0.	.0	1.0 *	2 JAN 0925 258	2.	.0	1.7
1 JAN 1650 59	0.	.0	1.0 *	2 JAN 0110 159	0.	.0	1.0 *	2 JAN 0930 259	2.	.0	1.7
1 JAN 1655 60	0.	.0	1.0 *	2 JAN 0115 160	0.	.0	1.0 *	2 JAN 0935 260	2.	.0	1.7
1 JAN 1700 61	0.	.0	1.0 *	2 JAN 0120 161	0.	.0	1.0 *	2 JAN 0940 261	2.	.0	1.7
1 JAN 1705 62	0.	.0	1.0 *	2 JAN 0125 162	0.	.0	1.0 *	2 JAN 0945 262	2.	.0	1.7
1 JAN 1710 63	0.	.0	1.0 *	2 JAN 0130 163	0.	.0	1.0 *	2 JAN 0950 263	2.	.0	1.7
1 JAN 1715 64	0.	.0	1.0 *	2 JAN 0135 164	0.	.0	1.0 *	2 JAN 0955 264	2.	.0	1.7
1 JAN 1720 65	0.	.0	1.0 *	2 JAN 0140 165	0.	.0	1.0 *	2 JAN 1000 265	2.	.0	1.7
1 JAN 1725 66	0.	.0	1.0 *	2 JAN 0145 166	0.	.0	1.0 *	2 JAN 1005 266	2.	.0	1.7
1 JAN 1730 67	0.	.0	1.0 *	2 JAN 0150 167	0.	.0	1.0 *	2 JAN 1010 267	2.	.0	1.7
1 JAN 1735 68	0.	.0	1.0 *	2 JAN 0155 168	0.	.0	1.0 *	2 JAN 1015 268	2.	.0	1.7
1 JAN 1740 69	0.	.0	1.0 *	2 JAN 0200 169	0.	.0	1.0 *	2 JAN 1020 269	2.	.0	1.7
1 JAN 1745 70	0.	.0	1.0 *	2 JAN 0205 170	0.	.0	1.0 *	2 JAN 1025 270	2.	.0	1.7

1 JAN 1750	71	0.	.0	1.0 *	2 JAN 0210	171	0.	.0	1.0 *	2 JAN 1030	271	2.	.0	1.7
1 JAN 1755	72	0.	.0	1.0 *	2 JAN 0215	172	0.	.0	1.0 *	2 JAN 1035	272	2.	.0	1.7
1 JAN 1800	73	0.	.0	1.0 *	2 JAN 0220	173	0.	.0	1.0 *	2 JAN 1040	273	2.	.0	1.7
1 JAN 1805	74	0.	.0	1.0 *	2 JAN 0225	174	0.	.0	1.0 *	2 JAN 1045	274	2.	.0	1.7
1 JAN 1810	75	0.	.0	1.0 *	2 JAN 0230	175	0.	.0	1.0 *	2 JAN 1050	275	2.	.0	1.7
1 JAN 1815	76	0.	.0	1.0 *	2 JAN 0235	176	0.	.0	1.0 *	2 JAN 1055	276	2.	.0	1.7
1 JAN 1820	77	0.	.0	1.0 *	2 JAN 0240	177	0.	.0	1.0 *	2 JAN 1100	277	2.	.0	1.7
1 JAN 1825	78	0.	.0	1.0 *	2 JAN 0245	178	0.	.0	1.0 *	2 JAN 1105	278	2.	.0	1.7
1 JAN 1830	79	0.	.0	1.0 *	2 JAN 0250	179	0.	.0	1.0 *	2 JAN 1110	279	2.	.0	1.7
1 JAN 1835	80	0.	.0	1.0 *	2 JAN 0255	180	0.	.0	1.0 *	2 JAN 1115	280	2.	.0	1.7
1 JAN 1840	81	0.	.0	1.0 *	2 JAN 0300	181	0.	.0	1.0 *	2 JAN 1120	281	2.	.0	1.7
1 JAN 1845	82	0.	.0	1.0 *	2 JAN 0305	182	0.	.0	1.0 *	2 JAN 1125	282	2.	.0	1.7
1 JAN 1850	83	0.	.0	1.0 *	2 JAN 0310	183	0.	.0	1.1 *	2 JAN 1130	283	2.	.0	1.7
1 JAN 1855	84	0.	.0	1.0 *	2 JAN 0315	184	0.	.0	1.1 *	2 JAN 1135	284	2.	.0	1.7
1 JAN 1900	85	0.	.0	1.0 *	2 JAN 0320	185	0.	.0	1.2 *	2 JAN 1140	285	2.	.0	1.7
1 JAN 1905	86	0.	.0	1.0 *	2 JAN 0325	186	0.	.0	1.2 *	2 JAN 1145	286	2.	.0	1.7
1 JAN 1910	87	0.	.0	1.0 *	2 JAN 0330	187	1.	.0	1.3 *	2 JAN 1150	287	2.	.0	1.7
1 JAN 1915	88	0.	.0	1.0 *	2 JAN 0335	188	1.	.0	1.4 *	2 JAN 1155	288	2.	.0	1.7
1 JAN 1920	89	0.	.0	1.0 *	2 JAN 0340	189	1.	.0	1.5 *	2 JAN 1200	289	2.	.0	1.7
1 JAN 1925	90	0.	.0	1.0 *	2 JAN 0345	190	1.	.0	1.5 *	2 JAN 1205	290	2.	.0	1.7
1 JAN 1930	91	0.	.0	1.0 *	2 JAN 0350	191	1.	.0	1.6 *	2 JAN 1210	291	2.	.0	1.7
1 JAN 1935	92	0.	.0	1.0 *	2 JAN 0355	192	2.	.0	1.6 *	2 JAN 1215	292	2.	.0	1.7
1 JAN 1940	93	0.	.0	1.0 *	2 JAN 0400	193	2.	.0	1.7 *	2 JAN 1220	293	2.	.0	1.7
1 JAN 1945	94	0.	.0	1.0 *	2 JAN 0405	194	2.	.0	1.7 *	2 JAN 1225	294	2.	.0	1.7
1 JAN 1950	95	0.	.0	1.0 *	2 JAN 0410	195	2.	.0	1.7 *	2 JAN 1230	295	2.	.0	1.7
1 JAN 1955	96	0.	.0	1.0 *	2 JAN 0415	196	2.	.0	1.7 *	2 JAN 1235	296	2.	.0	1.7
1 JAN 2000	97	0.	.0	1.0 *	2 JAN 0420	197	2.	.0	1.7 *	2 JAN 1240	297	2.	.0	1.7
1 JAN 2005	98	0.	.0	1.0 *	2 JAN 0425	198	2.	.0	1.7 *	2 JAN 1245	298	2.	.0	1.7
1 JAN 2010	99	0.	.0	1.0 *	2 JAN 0430	199	2.	.0	1.7 *	2 JAN 1250	299	2.	.0	1.7
1 JAN 2015	100	0.	.0	1.0 *	2 JAN 0435	200	2.	.0	1.7 *	2 JAN 1255	300	2.	.0	1.7

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
2.	16.33	(CFS) 2.	1.	1.	1.
		(INCHES) .176	.273	.273	.273
		(AC-FT) 1.	1.	1.	1.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
0.	16.00	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
1.68	16.92	1.68	1.27	1.26	1.26

CUMULATIVE AREA = .09 SQ MI

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 184 KK * 10_CON3 *
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BASIN 10 DRAINING TO "CONNECTION 3"

SUBBASIN RUNOFF DATA

186 BA

SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

27 PB

STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI

INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

187 LS

SCS LOSS RATE

STRTL .82 INITIAL ABSTRACTION
 CRVNBR 71.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

188 UD

SCS DIMENSIONLESS UNITGRAPH

TLAG .06 LAG

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

UNIT HYDROGRAPH
 6 END-OF-PERIOD ORDINATES

87. 50. 13. 3. 1. 0.

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HYDROGRAPH AT STATION 10_CON3

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.01	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.01	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	0.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	0.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	0.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.02	.00	1.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	1.
1	JAN	1505	38	.00	.00	.00	0.	*	2	JAN	0335	188	.03	.03	.01	1.
1	JAN	1510	39	.00	.00	.00	0.	*	2	JAN	0340	189	.04	.03	.01	1.
1	JAN	1515	40	.00	.00	.00	0.	*	2	JAN	0345	190	.05	.04	.01	1.
1	JAN	1520	41	.00	.00	.00	0.	*	2	JAN	0350	191	.07	.05	.01	2.
1	JAN	1525	42	.00	.00	.00	0.	*	2	JAN	0355	192	.10	.07	.02	3.
1	JAN	1530	43	.00	.00	.00	0.	*	2	JAN	0400	193	.35	.24	.11	11.
1	JAN	1535	44	.00	.00	.00	0.	*	2	JAN	0405	194	.06	.04	.02	7.
1	JAN	1540	45	.00	.00	.00	0.	*	2	JAN	0410	195	.04	.02	.01	4.
1	JAN	1545	46	.00	.00	.00	0.	*	2	JAN	0415	196	.03	.02	.01	2.
1	JAN	1550	47	.00	.00	.00	0.	*	2	JAN	0420	197	.02	.01	.01	2.
1	JAN	1555	48	.00	.00	.00	0.	*	2	JAN	0425	198	.02	.01	.01	1.
1	JAN	1600	49	.00	.00	.00	0.	*	2	JAN	0430	199	.02	.01	.01	1.
1	JAN	1605	50	.00	.00	.00	0.	*	2	JAN	0435	200	.02	.01	.01	1.
1	JAN	1610	51	.00	.00	.00	0.	*	2	JAN	0440	201	.02	.01	.01	1.
1	JAN	1615	52	.00	.00	.00	0.	*	2	JAN	0445	202	.01	.01	.01	1.
1	JAN	1620	53	.00	.00	.00	0.	*	2	JAN	0450	203	.01	.01	.01	1.
1	JAN	1625	54	.00	.00	.00	0.	*	2	JAN	0455	204	.01	.01	.01	1.

1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.

1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.01, TOTAL EXCESS = .49

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
11.	16.00	(CFS) 1.	0.	0.	0.
		(INCHES) .423	.488	.488	.488
		(AC-FT) 0.	1.	1.	1.

CUMULATIVE AREA = .02 SQ MI

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189 KK

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*           *
*  MAIN_3  *
*           *
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Q IN MAIN LINE AFTER CONFLUENCE WITH CONNECTION 3

191 HC

HYDROGRAPH COMBINATION

ICOMP

2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION MAIN_3
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	2.
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	2.
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	2.
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	2.
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	2.
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	2.
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	2.
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	2.
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	2.
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	2.
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	2.
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	2.
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	2.
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	2.
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	2.
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	2.
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	2.
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	2.
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	2.
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	2.
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	2.
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	2.
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	2.
1	JAN	1355	24	0.	*	1	JAN	2010	99	0.	*	2	JAN	0225	174	0.	*	2	JAN	0840	249	2.
1	JAN	1400	25	0.	*	1	JAN	2015	100	0.	*	2	JAN	0230	175	0.	*	2	JAN	0845	250	2.
1	JAN	1405	26	0.	*	1	JAN	2020	101	0.	*	2	JAN	0235	176	0.	*	2	JAN	0850	251	2.
1	JAN	1410	27	0.	*	1	JAN	2025	102	0.	*	2	JAN	0240	177	0.	*	2	JAN	0855	252	2.
1	JAN	1415	28	0.	*	1	JAN	2030	103	0.	*	2	JAN	0245	178	0.	*	2	JAN	0900	253	2.
1	JAN	1420	29	0.	*	1	JAN	2035	104	0.	*	2	JAN	0250	179	0.	*	2	JAN	0905	254	2.
1	JAN	1425	30	0.	*	1	JAN	2040	105	0.	*	2	JAN	0255	180	0.	*	2	JAN	0910	255	2.
1	JAN	1430	31	0.	*	1	JAN	2045	106	0.	*	2	JAN	0300	181	0.	*	2	JAN	0915	256	2.
1	JAN	1435	32	0.	*	1	JAN	2050	107	0.	*	2	JAN	0305	182	0.	*	2	JAN	0920	257	2.
1	JAN	1440	33	0.	*	1	JAN	2055	108	0.	*	2	JAN	0310	183	0.	*	2	JAN	0925	258	2.
1	JAN	1445	34	0.	*	1	JAN	2100	109	0.	*	2	JAN	0315	184	1.	*	2	JAN	0930	259	2.
1	JAN	1450	35	0.	*	1	JAN	2105	110	0.	*	2	JAN	0320	185	1.	*	2	JAN	0935	260	2.
1	JAN	1455	36	0.	*	1	JAN	2110	111	0.	*	2	JAN	0325	186	1.	*	2	JAN	0940	261	2.
1	JAN	1500	37	0.	*	1	JAN	2115	112	0.	*	2	JAN	0330	187	1.	*	2	JAN	0945	262	2.
1	JAN	1505	38	0.	*	1	JAN	2120	113	0.	*	2	JAN	0335	188	2.	*	2	JAN	0950	263	2.
1	JAN	1510	39	0.	*	1	JAN	2125	114	0.	*	2	JAN	0340	189	2.	*	2	JAN	0955	264	2.
1	JAN	1515	40	0.	*	1	JAN	2130	115	0.	*	2	JAN	0345	190	2.	*	2	JAN	1000	265	2.
1	JAN	1520	41	0.	*	1	JAN	2135	116	0.	*	2	JAN	0350	191	3.	*	2	JAN	1005	266	2.
1	JAN	1525	42	0.	*	1	JAN	2140	117	0.	*	2	JAN	0355	192	5.	*	2	JAN	1010	267	2.
1	JAN	1530	43	0.	*	1	JAN	2145	118	0.	*	2	JAN	0400	193	12.	*	2	JAN	1015	268	2.
1	JAN	1535	44	0.	*	1	JAN	2150	119	0.	*	2	JAN	0405	194	9.	*	2	JAN	1020	269	2.

1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	5.	*	2 JAN 1025	270	2.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	4.	*	2 JAN 1030	271	2.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	3.	*	2 JAN 1035	272	2.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	3.	*	2 JAN 1040	273	2.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	3.	*	2 JAN 1045	274	2.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	3.	*	2 JAN 1050	275	2.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	3.	*	2 JAN 1055	276	2.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	3.	*	2 JAN 1100	277	2.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	3.	*	2 JAN 1105	278	2.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	3.	*	2 JAN 1110	279	2.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	3.	*	2 JAN 1115	280	2.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	2.	*	2 JAN 1120	281	2.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	2.	*	2 JAN 1125	282	2.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	2.	*	2 JAN 1130	283	2.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	2.	*	2 JAN 1135	284	2.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	2.	*	2 JAN 1140	285	2.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	2.	*	2 JAN 1145	286	2.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	2.	*	2 JAN 1150	287	2.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	2.	*	2 JAN 1155	288	2.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	2.	*	2 JAN 1200	289	2.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	2.	*	2 JAN 1205	290	2.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	2.	*	2 JAN 1210	291	2.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	2.	*	2 JAN 1215	292	2.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	2.	*	2 JAN 1220	293	2.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	2.	*	2 JAN 1225	294	2.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	2.	*	2 JAN 1230	295	2.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	2.	*	2 JAN 1235	296	2.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	2.	*	2 JAN 1240	297	2.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	2.	*	2 JAN 1245	298	2.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	2.	*	2 JAN 1250	299	2.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	2.	*	2 JAN 1255	300	2.

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*****
PEAK FLOW      TIME      MAXIMUM AVERAGE FLOW
(CFS)          (HR)
12.           16.00      (CFS)           6-HR           24-HR           72-HR           24.92-HR
(INCHES)      .217           .312           .312           .312
(AC-FT)       1.             2.             2.             2.

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CUMULATIVE AREA = .11 SQ MI

192 KK

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*           *
*   RT_34   *
*           *
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191 KO

OUTPUT CONTROL VARIABLES

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IPRNT          1  PRINT CONTROL
IPLOT          0  PLOT CONTROL
QSCAL         0.  HYDROGRAPH PLOT SCALE
IPNCH         0  PUNCH COMPUTED HYDROGRAPH
IOUT          21  SAVE HYDROGRAPH ON THIS UNIT

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ISAV1 1 FIRST ORDINATE PUNCHED OR SAVED
 ISAV2 300 LAST ORDINATE PUNCHED OR SAVED
 TIMINT .083 TIME INTERVAL IN HOURS

ROUTE FROM CONNECTION 3 TO CONNECTION 4 THROUGH 24" PIPE
 THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 1.8'X 1.8' BOX, WHICH HAS
 THE SAME X-SECTIONAL AREA AS A 24" PIPE

HYDROGRAPH ROUTING DATA

197 RS STORAGE ROUTING
 NSTPS 2 NUMBER OF SUBREACHES
 ITYP STOR TYPE OF INITIAL CONDITION
 RSVRIC -1.00 INITIAL CONDITION
 X .00 WORKING R AND D COEFFICIENT

198 RC NORMAL DEPTH CHANNEL
 ANL .013 LEFT OVERBANK N-VALUE
 ANCH .013 MAIN CHANNEL N-VALUE
 ANR .013 RIGHT OVERBANK N-VALUE
 RLNTH 1225. REACH LENGTH
 SEL .0025 ENERGY SLOPE
 ELMAX .0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVERBANK ---			+ ----- MAIN CHANNEL -----		+ --- RIGHT OVERBANK ---		
200 RY	ELEVATION	2.80	2.80	2.80	1.00	1.00	2.80	2.80	2.80
199 RX	DISTANCE	1.00	2.00	5.00	5.00	6.80	6.80	7.00	8.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.00	.01	.01	.02	.02	.03	.03	.04	.04
OUTFLOW	.00	.19	.57	1.06	1.62	2.24	2.90	3.60	4.32	5.07
ELEVATION	1.00	1.09	1.19	1.28	1.38	1.47	1.57	1.66	1.76	1.85
STORAGE	.05	.05	.06	.06	.07	.07	.08	.08	.09	.09
OUTFLOW	5.84	6.62	7.41	8.22	9.03	9.85	10.68	11.52	12.36	13.21
ELEVATION	1.95	2.04	2.14	2.23	2.33	2.42	2.52	2.61	2.71	2.80

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 3. TO 13.
 THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
 THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION RT_34

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	1200	1	0.	.0	1.0	*	1	JAN	2020	101	0.	.0	1.0	*	2	JAN	0440	201	3.	.0	1.6
1	JAN	1205	2	0.	.0	1.0	*	1	JAN	2025	102	0.	.0	1.0	*	2	JAN	0445	202	3.	.0	1.5
1	JAN	1210	3	0.	.0	1.0	*	1	JAN	2030	103	0.	.0	1.0	*	2	JAN	0450	203	3.	.0	1.5
1	JAN	1215	4	0.	.0	1.0	*	1	JAN	2035	104	0.	.0	1.0	*	2	JAN	0455	204	3.	.0	1.5
1	JAN	1220	5	0.	.0	1.0	*	1	JAN	2040	105	0.	.0	1.0	*	2	JAN	0500	205	3.	.0	1.5
1	JAN	1225	6	0.	.0	1.0	*	1	JAN	2045	106	0.	.0	1.0	*	2	JAN	0505	206	3.	.0	1.5

1 JAN 1230	7	0.	.0	1.0 *	1 JAN 2050 107	0.	.0	1.0 *	2 JAN 0510 207	2.	.0	1.5
1 JAN 1235	8	0.	.0	1.0 *	1 JAN 2055 108	0.	.0	1.0 *	2 JAN 0515 208	2.	.0	1.5
1 JAN 1240	9	0.	.0	1.0 *	1 JAN 2100 109	0.	.0	1.0 *	2 JAN 0520 209	2.	.0	1.5
1 JAN 1245	10	0.	.0	1.0 *	1 JAN 2105 110	0.	.0	1.0 *	2 JAN 0525 210	2.	.0	1.5
1 JAN 1250	11	0.	.0	1.0 *	1 JAN 2110 111	0.	.0	1.0 *	2 JAN 0530 211	2.	.0	1.5
1 JAN 1255	12	0.	.0	1.0 *	1 JAN 2115 112	0.	.0	1.0 *	2 JAN 0535 212	2.	.0	1.5
1 JAN 1300	13	0.	.0	1.0 *	1 JAN 2120 113	0.	.0	1.0 *	2 JAN 0540 213	2.	.0	1.5
1 JAN 1305	14	0.	.0	1.0 *	1 JAN 2125 114	0.	.0	1.0 *	2 JAN 0545 214	2.	.0	1.5
1 JAN 1310	15	0.	.0	1.0 *	1 JAN 2130 115	0.	.0	1.0 *	2 JAN 0550 215	2.	.0	1.5
1 JAN 1315	16	0.	.0	1.0 *	1 JAN 2135 116	0.	.0	1.0 *	2 JAN 0555 216	2.	.0	1.5
1 JAN 1320	17	0.	.0	1.0 *	1 JAN 2140 117	0.	.0	1.0 *	2 JAN 0600 217	2.	.0	1.5
1 JAN 1325	18	0.	.0	1.0 *	1 JAN 2145 118	0.	.0	1.0 *	2 JAN 0605 218	2.	.0	1.5
1 JAN 1330	19	0.	.0	1.0 *	1 JAN 2150 119	0.	.0	1.0 *	2 JAN 0610 219	2.	.0	1.5
1 JAN 1335	20	0.	.0	1.0 *	1 JAN 2155 120	0.	.0	1.0 *	2 JAN 0615 220	2.	.0	1.5
1 JAN 1340	21	0.	.0	1.0 *	1 JAN 2200 121	0.	.0	1.0 *	2 JAN 0620 221	2.	.0	1.5
1 JAN 1345	22	0.	.0	1.0 *	1 JAN 2205 122	0.	.0	1.0 *	2 JAN 0625 222	2.	.0	1.5
1 JAN 1350	23	0.	.0	1.0 *	1 JAN 2210 123	0.	.0	1.0 *	2 JAN 0630 223	2.	.0	1.5
1 JAN 1355	24	0.	.0	1.0 *	1 JAN 2215 124	0.	.0	1.0 *	2 JAN 0635 224	2.	.0	1.5
1 JAN 1400	25	0.	.0	1.0 *	1 JAN 2220 125	0.	.0	1.0 *	2 JAN 0640 225	2.	.0	1.5
1 JAN 1405	26	0.	.0	1.0 *	1 JAN 2225 126	0.	.0	1.0 *	2 JAN 0645 226	2.	.0	1.5
1 JAN 1410	27	0.	.0	1.0 *	1 JAN 2230 127	0.	.0	1.0 *	2 JAN 0650 227	2.	.0	1.5
1 JAN 1415	28	0.	.0	1.0 *	1 JAN 2235 128	0.	.0	1.0 *	2 JAN 0655 228	2.	.0	1.5
1 JAN 1420	29	0.	.0	1.0 *	1 JAN 2240 129	0.	.0	1.0 *	2 JAN 0700 229	2.	.0	1.5
1 JAN 1425	30	0.	.0	1.0 *	1 JAN 2245 130	0.	.0	1.0 *	2 JAN 0705 230	2.	.0	1.5
1 JAN 1430	31	0.	.0	1.0 *	1 JAN 2250 131	0.	.0	1.0 *	2 JAN 0710 231	2.	.0	1.4
1 JAN 1435	32	0.	.0	1.0 *	1 JAN 2255 132	0.	.0	1.0 *	2 JAN 0715 232	2.	.0	1.4
1 JAN 1440	33	0.	.0	1.0 *	1 JAN 2300 133	0.	.0	1.0 *	2 JAN 0720 233	2.	.0	1.4
1 JAN 1445	34	0.	.0	1.0 *	1 JAN 2305 134	0.	.0	1.0 *	2 JAN 0725 234	2.	.0	1.4
1 JAN 1450	35	0.	.0	1.0 *	1 JAN 2310 135	0.	.0	1.0 *	2 JAN 0730 235	2.	.0	1.4
1 JAN 1455	36	0.	.0	1.0 *	1 JAN 2315 136	0.	.0	1.0 *	2 JAN 0735 236	2.	.0	1.4
1 JAN 1500	37	0.	.0	1.0 *	1 JAN 2320 137	0.	.0	1.0 *	2 JAN 0740 237	2.	.0	1.4
1 JAN 1505	38	0.	.0	1.0 *	1 JAN 2325 138	0.	.0	1.0 *	2 JAN 0745 238	2.	.0	1.4
1 JAN 1510	39	0.	.0	1.0 *	1 JAN 2330 139	0.	.0	1.0 *	2 JAN 0750 239	2.	.0	1.4
1 JAN 1515	40	0.	.0	1.0 *	1 JAN 2335 140	0.	.0	1.0 *	2 JAN 0755 240	2.	.0	1.4
1 JAN 1520	41	0.	.0	1.0 *	1 JAN 2340 141	0.	.0	1.0 *	2 JAN 0800 241	2.	.0	1.4
1 JAN 1525	42	0.	.0	1.0 *	1 JAN 2345 142	0.	.0	1.0 *	2 JAN 0805 242	2.	.0	1.4
1 JAN 1530	43	0.	.0	1.0 *	1 JAN 2350 143	0.	.0	1.0 *	2 JAN 0810 243	2.	.0	1.4
1 JAN 1535	44	0.	.0	1.0 *	1 JAN 2355 144	0.	.0	1.0 *	2 JAN 0815 244	2.	.0	1.4
1 JAN 1540	45	0.	.0	1.0 *	2 JAN 0000 145	0.	.0	1.0 *	2 JAN 0820 245	2.	.0	1.4
1 JAN 1545	46	0.	.0	1.0 *	2 JAN 0005 146	0.	.0	1.0 *	2 JAN 0825 246	2.	.0	1.4
1 JAN 1550	47	0.	.0	1.0 *	2 JAN 0010 147	0.	.0	1.0 *	2 JAN 0830 247	2.	.0	1.4
1 JAN 1555	48	0.	.0	1.0 *	2 JAN 0015 148	0.	.0	1.0 *	2 JAN 0835 248	2.	.0	1.4
1 JAN 1600	49	0.	.0	1.0 *	2 JAN 0020 149	0.	.0	1.0 *	2 JAN 0840 249	2.	.0	1.4
1 JAN 1605	50	0.	.0	1.0 *	2 JAN 0025 150	0.	.0	1.0 *	2 JAN 0845 250	2.	.0	1.4
1 JAN 1610	51	0.	.0	1.0 *	2 JAN 0030 151	0.	.0	1.0 *	2 JAN 0850 251	2.	.0	1.4
1 JAN 1615	52	0.	.0	1.0 *	2 JAN 0035 152	0.	.0	1.0 *	2 JAN 0855 252	2.	.0	1.4
1 JAN 1620	53	0.	.0	1.0 *	2 JAN 0040 153	0.	.0	1.0 *	2 JAN 0900 253	2.	.0	1.4
1 JAN 1625	54	0.	.0	1.0 *	2 JAN 0045 154	0.	.0	1.0 *	2 JAN 0905 254	2.	.0	1.4
1 JAN 1630	55	0.	.0	1.0 *	2 JAN 0050 155	0.	.0	1.0 *	2 JAN 0910 255	2.	.0	1.4
1 JAN 1635	56	0.	.0	1.0 *	2 JAN 0055 156	0.	.0	1.0 *	2 JAN 0915 256	2.	.0	1.4
1 JAN 1640	57	0.	.0	1.0 *	2 JAN 0100 157	0.	.0	1.0 *	2 JAN 0920 257	2.	.0	1.4
1 JAN 1645	58	0.	.0	1.0 *	2 JAN 0105 158	0.	.0	1.0 *	2 JAN 0925 258	2.	.0	1.4
1 JAN 1650	59	0.	.0	1.0 *	2 JAN 0110 159	0.	.0	1.0 *	2 JAN 0930 259	2.	.0	1.4
1 JAN 1655	60	0.	.0	1.0 *	2 JAN 0115 160	0.	.0	1.0 *	2 JAN 0935 260	2.	.0	1.4
1 JAN 1700	61	0.	.0	1.0 *	2 JAN 0120 161	0.	.0	1.0 *	2 JAN 0940 261	2.	.0	1.4
1 JAN 1705	62	0.	.0	1.0 *	2 JAN 0125 162	0.	.0	1.0 *	2 JAN 0945 262	2.	.0	1.4
1 JAN 1710	63	0.	.0	1.0 *	2 JAN 0130 163	0.	.0	1.0 *	2 JAN 0950 263	2.	.0	1.4
1 JAN 1715	64	0.	.0	1.0 *	2 JAN 0135 164	0.	.0	1.0 *	2 JAN 0955 264	2.	.0	1.4
1 JAN 1720	65	0.	.0	1.0 *	2 JAN 0140 165	0.	.0	1.0 *	2 JAN 1000 265	2.	.0	1.4
1 JAN 1725	66	0.	.0	1.0 *	2 JAN 0145 166	0.	.0	1.0 *	2 JAN 1005 266	2.	.0	1.4

1 JAN 1730	67	0.	.0	1.0 *	2 JAN 0150	167	0.	.0	1.0 *	2 JAN 1010	267	2.	.0	1.4
1 JAN 1735	68	0.	.0	1.0 *	2 JAN 0155	168	0.	.0	1.0 *	2 JAN 1015	268	2.	.0	1.4
1 JAN 1740	69	0.	.0	1.0 *	2 JAN 0200	169	0.	.0	1.0 *	2 JAN 1020	269	2.	.0	1.4
1 JAN 1745	70	0.	.0	1.0 *	2 JAN 0205	170	0.	.0	1.0 *	2 JAN 1025	270	2.	.0	1.4
1 JAN 1750	71	0.	.0	1.0 *	2 JAN 0210	171	0.	.0	1.0 *	2 JAN 1030	271	2.	.0	1.4
1 JAN 1755	72	0.	.0	1.0 *	2 JAN 0215	172	0.	.0	1.0 *	2 JAN 1035	272	2.	.0	1.4
1 JAN 1800	73	0.	.0	1.0 *	2 JAN 0220	173	0.	.0	1.0 *	2 JAN 1040	273	2.	.0	1.4
1 JAN 1805	74	0.	.0	1.0 *	2 JAN 0225	174	0.	.0	1.0 *	2 JAN 1045	274	2.	.0	1.4
1 JAN 1810	75	0.	.0	1.0 *	2 JAN 0230	175	0.	.0	1.0 *	2 JAN 1050	275	2.	.0	1.4
1 JAN 1815	76	0.	.0	1.0 *	2 JAN 0235	176	0.	.0	1.0 *	2 JAN 1055	276	2.	.0	1.4
1 JAN 1820	77	0.	.0	1.0 *	2 JAN 0240	177	0.	.0	1.0 *	2 JAN 1100	277	2.	.0	1.4
1 JAN 1825	78	0.	.0	1.0 *	2 JAN 0245	178	0.	.0	1.0 *	2 JAN 1105	278	2.	.0	1.4
1 JAN 1830	79	0.	.0	1.0 *	2 JAN 0250	179	0.	.0	1.1 *	2 JAN 1110	279	2.	.0	1.4
1 JAN 1835	80	0.	.0	1.0 *	2 JAN 0255	180	0.	.0	1.1 *	2 JAN 1115	280	2.	.0	1.4
1 JAN 1840	81	0.	.0	1.0 *	2 JAN 0300	181	0.	.0	1.1 *	2 JAN 1120	281	2.	.0	1.4
1 JAN 1845	82	0.	.0	1.0 *	2 JAN 0305	182	0.	.0	1.1 *	2 JAN 1125	282	2.	.0	1.4
1 JAN 1850	83	0.	.0	1.0 *	2 JAN 0310	183	0.	.0	1.1 *	2 JAN 1130	283	2.	.0	1.4
1 JAN 1855	84	0.	.0	1.0 *	2 JAN 0315	184	0.	.0	1.1 *	2 JAN 1135	284	2.	.0	1.4
1 JAN 1900	85	0.	.0	1.0 *	2 JAN 0320	185	0.	.0	1.2 *	2 JAN 1140	285	2.	.0	1.4
1 JAN 1905	86	0.	.0	1.0 *	2 JAN 0325	186	1.	.0	1.2 *	2 JAN 1145	286	2.	.0	1.4
1 JAN 1910	87	0.	.0	1.0 *	2 JAN 0330	187	1.	.0	1.3 *	2 JAN 1150	287	2.	.0	1.4
1 JAN 1915	88	0.	.0	1.0 *	2 JAN 0335	188	1.	.0	1.3 *	2 JAN 1155	288	2.	.0	1.4
1 JAN 1920	89	0.	.0	1.0 *	2 JAN 0340	189	2.	.0	1.4 *	2 JAN 1200	289	2.	.0	1.4
1 JAN 1925	90	0.	.0	1.0 *	2 JAN 0345	190	2.	.0	1.4 *	2 JAN 1205	290	2.	.0	1.4
1 JAN 1930	91	0.	.0	1.0 *	2 JAN 0350	191	3.	.0	1.5 *	2 JAN 1210	291	2.	.0	1.4
1 JAN 1935	92	0.	.0	1.0 *	2 JAN 0355	192	3.	.0	1.6 *	2 JAN 1215	292	2.	.0	1.4
1 JAN 1940	93	0.	.0	1.0 *	2 JAN 0400	193	6.	.0	2.0 *	2 JAN 1220	293	2.	.0	1.4
1 JAN 1945	94	0.	.0	1.0 *	2 JAN 0405	194	10.	.0	2.4 *	2 JAN 1225	294	2.	.0	1.4
1 JAN 1950	95	0.	.0	1.0 *	2 JAN 0410	195	9.	.0	2.3 *	2 JAN 1230	295	2.	.0	1.4
1 JAN 1955	96	0.	.0	1.0 *	2 JAN 0415	196	6.	.0	1.9 *	2 JAN 1235	296	2.	.0	1.4
1 JAN 2000	97	0.	.0	1.0 *	2 JAN 0420	197	4.	.0	1.7 *	2 JAN 1240	297	2.	.0	1.4
1 JAN 2005	98	0.	.0	1.0 *	2 JAN 0425	198	3.	.0	1.6 *	2 JAN 1245	298	2.	.0	1.4
1 JAN 2010	99	0.	.0	1.0 *	2 JAN 0430	199	3.	.0	1.6 *	2 JAN 1250	299	2.	.0	1.4
1 JAN 2015	100	0.	.0	1.0 *	2 JAN 0435	200	3.	.0	1.6 *	2 JAN 1255	300	2.	.0	1.4

.....

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
10.	16.08	(CFS) 3.	1.	1.	1.
		(INCHES) .217	.309	.309	.309
		(AC-FT) 1.	2.	2.	2.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.92-HR
0.	16.08	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.92-HR
2.45	16.08	1.51	1.19	1.18	1.18

CUMULATIVE AREA = .11 SQ MI

201 KK * 11_CON4 *

BASIN 11 DRAINING TO 24" LINE

SUBBASIN RUNOFF DATA

203 BA SUBBASIN CHARACTERISTICS
TAREA .04 SUBBASIN AREA

PRECIPITATION DATA

27 PB STORM 2.49 BASIN TOTAL PRECIPITATION

27 PI INCREMENTAL PRECIPITATION PATTERN

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

204 LS SCS LOSS RATE
SRTL .82 INITIAL ABSTRACTION
CRVNR 71.00 CURVE NUMBER
RTIMP .00 PERCENT IMPERVIOUS AREA

205 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .13 LAG

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

HYDROGRAPH AT STATION 11_CON4

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.
1	JAN	1340	21	.00	.00	.00	0.	*	2	JAN	0210	171	.01	.01	.00	0.
1	JAN	1345	22	.00	.00	.00	0.	*	2	JAN	0215	172	.01	.01	.00	0.
1	JAN	1350	23	.00	.00	.00	0.	*	2	JAN	0220	173	.01	.01	.00	0.
1	JAN	1355	24	.00	.00	.00	0.	*	2	JAN	0225	174	.01	.01	.00	0.
1	JAN	1400	25	.00	.00	.00	0.	*	2	JAN	0230	175	.02	.01	.00	0.
1	JAN	1405	26	.00	.00	.00	0.	*	2	JAN	0235	176	.02	.01	.00	0.
1	JAN	1410	27	.00	.00	.00	0.	*	2	JAN	0240	177	.02	.02	.00	0.
1	JAN	1415	28	.00	.00	.00	0.	*	2	JAN	0245	178	.02	.02	.00	0.
1	JAN	1420	29	.00	.00	.00	0.	*	2	JAN	0250	179	.02	.02	.00	0.
1	JAN	1425	30	.00	.00	.00	0.	*	2	JAN	0255	180	.02	.02	.00	0.
1	JAN	1430	31	.00	.00	.00	0.	*	2	JAN	0300	181	.02	.02	.00	0.
1	JAN	1435	32	.00	.00	.00	0.	*	2	JAN	0305	182	.02	.02	.00	0.
1	JAN	1440	33	.00	.00	.00	0.	*	2	JAN	0310	183	.02	.02	.00	1.
1	JAN	1445	34	.00	.00	.00	0.	*	2	JAN	0315	184	.02	.02	.00	1.
1	JAN	1450	35	.00	.00	.00	0.	*	2	JAN	0320	185	.03	.02	.00	1.
1	JAN	1455	36	.00	.00	.00	0.	*	2	JAN	0325	186	.03	.02	.00	1.
1	JAN	1500	37	.00	.00	.00	0.	*	2	JAN	0330	187	.03	.03	.00	1.
1	JAN	1505	38	.00	.00	.00	0.	*	2	JAN	0335	188	.03	.03	.01	1.
1	JAN	1510	39	.00	.00	.00	0.	*	2	JAN	0340	189	.04	.03	.01	2.
1	JAN	1515	40	.00	.00	.00	0.	*	2	JAN	0345	190	.05	.04	.01	2.
1	JAN	1520	41	.00	.00	.00	0.	*	2	JAN	0350	191	.07	.05	.01	3.
1	JAN	1525	42	.00	.00	.00	0.	*	2	JAN	0355	192	.10	.07	.02	4.
1	JAN	1530	43	.00	.00	.00	0.	*	2	JAN	0400	193	.35	.24	.11	9.
1	JAN	1535	44	.00	.00	.00	0.	*	2	JAN	0405	194	.06	.04	.02	16.
1	JAN	1540	45	.00	.00	.00	0.	*	2	JAN	0410	195	.04	.02	.01	13.
1	JAN	1545	46	.00	.00	.00	0.	*	2	JAN	0415	196	.03	.02	.01	8.
1	JAN	1550	47	.00	.00	.00	0.	*	2	JAN	0420	197	.02	.01	.01	6.
1	JAN	1555	48	.00	.00	.00	0.	*	2	JAN	0425	198	.02	.01	.01	4.
1	JAN	1600	49	.00	.00	.00	0.	*	2	JAN	0430	199	.02	.01	.01	3.
1	JAN	1605	50	.00	.00	.00	0.	*	2	JAN	0435	200	.02	.01	.01	3.

1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	2.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	2.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	2.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	2.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	2.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	2.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	1.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	1.

1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	1.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	1.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	1.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	1.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	1.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	1.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	1.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	1.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

.....

TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.01, TOTAL EXCESS = .49

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
16.	16.08	(CFS) 2.	1.	1.	1.
		(INCHES) .423	.488	.488	.488
		(AC-FT) 1.	1.	1.	1.

CUMULATIVE AREA = .04 SQ MI

.....

206 KK * MAIN_END *

Q IN 24" MAIN LINE AFTER CONFLUENCE WITH BASIN 11

208 HC HYDROGRAPH COMBINATION
 ICCMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION MAIN_END
 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	JAN	1200	1	0.	*	1	JAN	1815	76	0.	*	2	JAN	0030	151	0.	*	2	JAN	0645	226	3.
1	JAN	1205	2	0.	*	1	JAN	1820	77	0.	*	2	JAN	0035	152	0.	*	2	JAN	0650	227	3.
1	JAN	1210	3	0.	*	1	JAN	1825	78	0.	*	2	JAN	0040	153	0.	*	2	JAN	0655	228	3.
1	JAN	1215	4	0.	*	1	JAN	1830	79	0.	*	2	JAN	0045	154	0.	*	2	JAN	0700	229	3.
1	JAN	1220	5	0.	*	1	JAN	1835	80	0.	*	2	JAN	0050	155	0.	*	2	JAN	0705	230	3.
1	JAN	1225	6	0.	*	1	JAN	1840	81	0.	*	2	JAN	0055	156	0.	*	2	JAN	0710	231	3.
1	JAN	1230	7	0.	*	1	JAN	1845	82	0.	*	2	JAN	0100	157	0.	*	2	JAN	0715	232	3.
1	JAN	1235	8	0.	*	1	JAN	1850	83	0.	*	2	JAN	0105	158	0.	*	2	JAN	0720	233	3.
1	JAN	1240	9	0.	*	1	JAN	1855	84	0.	*	2	JAN	0110	159	0.	*	2	JAN	0725	234	3.
1	JAN	1245	10	0.	*	1	JAN	1900	85	0.	*	2	JAN	0115	160	0.	*	2	JAN	0730	235	3.
1	JAN	1250	11	0.	*	1	JAN	1905	86	0.	*	2	JAN	0120	161	0.	*	2	JAN	0735	236	3.
1	JAN	1255	12	0.	*	1	JAN	1910	87	0.	*	2	JAN	0125	162	0.	*	2	JAN	0740	237	3.
1	JAN	1300	13	0.	*	1	JAN	1915	88	0.	*	2	JAN	0130	163	0.	*	2	JAN	0745	238	3.
1	JAN	1305	14	0.	*	1	JAN	1920	89	0.	*	2	JAN	0135	164	0.	*	2	JAN	0750	239	3.
1	JAN	1310	15	0.	*	1	JAN	1925	90	0.	*	2	JAN	0140	165	0.	*	2	JAN	0755	240	3.
1	JAN	1315	16	0.	*	1	JAN	1930	91	0.	*	2	JAN	0145	166	0.	*	2	JAN	0800	241	3.
1	JAN	1320	17	0.	*	1	JAN	1935	92	0.	*	2	JAN	0150	167	0.	*	2	JAN	0805	242	3.
1	JAN	1325	18	0.	*	1	JAN	1940	93	0.	*	2	JAN	0155	168	0.	*	2	JAN	0810	243	3.
1	JAN	1330	19	0.	*	1	JAN	1945	94	0.	*	2	JAN	0200	169	0.	*	2	JAN	0815	244	3.
1	JAN	1335	20	0.	*	1	JAN	1950	95	0.	*	2	JAN	0205	170	0.	*	2	JAN	0820	245	3.
1	JAN	1340	21	0.	*	1	JAN	1955	96	0.	*	2	JAN	0210	171	0.	*	2	JAN	0825	246	3.
1	JAN	1345	22	0.	*	1	JAN	2000	97	0.	*	2	JAN	0215	172	0.	*	2	JAN	0830	247	3.
1	JAN	1350	23	0.	*	1	JAN	2005	98	0.	*	2	JAN	0220	173	0.	*	2	JAN	0835	248	3.
1	JAN	1355	24	0.	*	1	JAN	2010	99	0.	*	2	JAN	0225	174	0.	*	2	JAN	0840	249	3.
1	JAN	1400	25	0.	*	1	JAN	2015	100	0.	*	2	JAN	0230	175	0.	*	2	JAN	0845	250	3.
1	JAN	1405	26	0.	*	1	JAN	2020	101	0.	*	2	JAN	0235	176	0.	*	2	JAN	0850	251	3.
1	JAN	1410	27	0.	*	1	JAN	2025	102	0.	*	2	JAN	0240	177	0.	*	2	JAN	0855	252	3.
1	JAN	1415	28	0.	*	1	JAN	2030	103	0.	*	2	JAN	0245	178	0.	*	2	JAN	0900	253	3.
1	JAN	1420	29	0.	*	1	JAN	2035	104	0.	*	2	JAN	0250	179	0.	*	2	JAN	0905	254	3.
1	JAN	1425	30	0.	*	1	JAN	2040	105	0.	*	2	JAN	0255	180	0.	*	2	JAN	0910	255	3.
1	JAN	1430	31	0.	*	1	JAN	2045	106	0.	*	2	JAN	0300	181	1.	*	2	JAN	0915	256	3.
1	JAN	1435	32	0.	*	1	JAN	2050	107	0.	*	2	JAN	0305	182	1.	*	2	JAN	0920	257	3.
1	JAN	1440	33	0.	*	1	JAN	2055	108	0.	*	2	JAN	0310	183	1.	*	2	JAN	0925	258	3.
1	JAN	1445	34	0.	*	1	JAN	2100	109	0.	*	2	JAN	0315	184	1.	*	2	JAN	0930	259	3.
1	JAN	1450	35	0.	*	1	JAN	2105	110	0.	*	2	JAN	0320	185	1.	*	2	JAN	0935	260	3.
1	JAN	1455	36	0.	*	1	JAN	2110	111	0.	*	2	JAN	0325	186	2.	*	2	JAN	0940	261	2.
1	JAN	1500	37	0.	*	1	JAN	2115	112	0.	*	2	JAN	0330	187	2.	*	2	JAN	0945	262	2.
1	JAN	1505	38	0.	*	1	JAN	2120	113	0.	*	2	JAN	0335	188	2.	*	2	JAN	0950	263	2.
1	JAN	1510	39	0.	*	1	JAN	2125	114	0.	*	2	JAN	0340	189	3.	*	2	JAN	0955	264	2.
1	JAN	1515	40	0.	*	1	JAN	2130	115	0.	*	2	JAN	0345	190	4.	*	2	JAN	1000	265	2.

1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	5.	*	2 JAN 1005	266	2.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	7.	*	2 JAN 1010	267	2.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	16.	*	2 JAN 1015	268	2.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	26.	*	2 JAN 1020	269	2.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	22.	*	2 JAN 1025	270	2.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	14.	*	2 JAN 1030	271	2.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	10.	*	2 JAN 1035	272	2.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	8.	*	2 JAN 1040	273	2.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	6.	*	2 JAN 1045	274	2.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	6.	*	2 JAN 1050	275	2.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	5.	*	2 JAN 1055	276	2.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	5.	*	2 JAN 1100	277	2.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	5.	*	2 JAN 1105	278	2.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	4.	*	2 JAN 1110	279	2.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	4.	*	2 JAN 1115	280	2.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	4.	*	2 JAN 1120	281	2.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	4.	*	2 JAN 1125	282	2.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	4.	*	2 JAN 1130	283	2.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	4.	*	2 JAN 1135	284	2.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	4.	*	2 JAN 1140	285	2.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	4.	*	2 JAN 1145	286	2.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	4.	*	2 JAN 1150	287	2.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	4.	*	2 JAN 1155	288	2.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	4.	*	2 JAN 1200	289	2.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	3.	*	2 JAN 1205	290	2.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	3.	*	2 JAN 1210	291	2.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	3.	*	2 JAN 1215	292	2.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	3.	*	2 JAN 1220	293	2.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	3.	*	2 JAN 1225	294	2.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	3.	*	2 JAN 1230	295	2.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	3.	*	2 JAN 1235	296	2.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	3.	*	2 JAN 1240	297	2.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	3.	*	2 JAN 1245	298	2.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	3.	*	2 JAN 1250	299	2.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	3.	*	2 JAN 1255	300	2.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
26.	16.08	(CFS) 4.	1.	1.	1.
		(INCHES) .270	.357	.357	.357
		(AC-FT) 2.	3.	3.	3.

CUMULATIVE AREA = .15 SQ MI

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	1A	1.	16.08	0.	0.	0.	.01		
ROUTED TO	RT1A	0.	16.92	0.	0.	0.	.01	1.06	16.92
HYDROGRAPH AT	1	7.	16.25	2.	0.	0.	.09		
2 COMBINED AT	1_1A	7.	16.33	2.	1.	0.	.10		
HYDROGRAPH AT	2	15.	16.08	2.	1.	1.	.06		
2 COMBINED AT	2_1_1A	20.	16.17	4.	1.	1.	.16		
ROUTED TO	DET_2	0.	.00	0.	0.	0.	.16	66.37	24.92
HYDROGRAPH AT	3	7.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	4	5.	16.00	1.	0.	0.	.02		
2 COMBINED AT	4_3	12.	16.08	1.	0.	0.	.04		
ROUTED TO	DET4_3	0.	.00	0.	0.	0.	.04	58.21	24.42
HYDROGRAPH AT	6	16.	16.25	3.	1.	1.	.06		
ROUTED TO	DET_6	9.	16.58	3.	1.	1.	.06	63.66	16.58
HYDROGRAPH AT	5	7.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	7	5.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	8	4.	16.08	0.	0.	0.	.01		
4 COMBINED AT	COMBINE	20.	16.08	5.	1.	1.	.11		
ROUTED TO	DETAIN	0.	.00	0.	0.	0.	.11	54.55	24.92
HYDROGRAPH AT	9A	7.	16.08	1.	0.	0.	.02		
ROUTED TO	DET9A	5.	16.17	1.	0.	0.	.02	54.03	16.17
HYDROGRAPH AT	9B	9.	16.08	1.	0.	0.	.03		
ROUTED TO	DET	4.	16.25	1.	0.	0.	.03	56.02	16.25
HYDROGRAPH AT	9	11.	16.17	2.	0.	0.	.04		
3 COMBINED AT	CON_2	20.	16.17	3.	1.	1.	.09		
ROUTED TO	PUMP	2.	15.67	2.	1.	1.	.09	53.12	18.83
ROUTED TO	RT_23	2.	16.33	2.	1.	1.	.09	1.68	16.92

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	1A	1.	16.08	0.	0.	0.	.01		
ROUTED TO	RT1A	0.	16.92	0.	0.	0.	.01	1.06	16.92
HYDROGRAPH AT	1	7.	16.25	2.	0.	0.	.09		
2 COMBINED AT	1_1A	7.	16.33	2.	1.	0.	.10		
HYDROGRAPH AT	2	15.	16.08	2.	1.	1.	.06		
2 COMBINED AT	2_1_1A	20.	16.17	4.	1.	1.	.16		
ROUTED TO	DET_2	0.	.00	0.	0.	0.	.16	66.37	24.92
HYDROGRAPH AT	3	7.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	4	5.	16.00	1.	0.	0.	.02		
2 COMBINED AT	4_3	12.	16.08	1.	0.	0.	.04		
ROUTED TO	DET4_3	0.	.00	0.	0.	0.	.04	58.21	24.42
HYDROGRAPH AT	6	16.	16.25	3.	1.	1.	.06		
ROUTED TO	DET_6	9.	16.58	3.	1.	1.	.06	63.66	16.58
HYDROGRAPH AT	5	7.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	7	5.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	8	4.	16.08	0.	0.	0.	.01		
4 COMBINED AT	COMBINE	20.	16.08	5.	1.	1.	.11		
ROUTED TO	DETAIN	0.	.00	0.	0.	0.	.11	54.55	24.92
HYDROGRAPH AT	9A	7.	16.08	1.	0.	0.	.02		
ROUTED TO	DET9A	5.	16.17	1.	0.	0.	.02	54.03	16.17
HYDROGRAPH AT	9B	9.	16.08	1.	0.	0.	.03		
ROUTED TO	DET	4.	16.25	1.	0.	0.	.03	56.02	16.25
HYDROGRAPH AT	9	11.	16.17	2.	0.	0.	.04		
3 COMBINED AT	CON_2	20.	16.17	3.	1.	1.	.09		
ROUTED TO	PUMP	2.	15.67	2.	1.	1.	.09	53.12	18.83
ROUTED TO	RT_23	2.	16.33	2.	1.	1.	.09	1.68	16.92

HYDROGRAPH AT	10_CON3	11.	16.00	1.	0.	0.	.02		
2 COMBINED AT	MAIN_3	12.	16.00	3.	1.	1.	.11		
ROUTED TO	RT_34	10.	16.08	3.	1.	1.	.11	2.45	16.08
HYDROGRAPH AT	11_CON4	16.	16.08	2.	1.	1.	.04		
2 COMBINED AT	MAIN_END	26.	16.08	4.	1.	1.	.15		

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

APPENDIX C

Improved (Interim) Condition HEC-1 Hydrologic Analysis for the 5-year Storm Event

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*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 1998
* VERSION 4.1
*
* RUN DATE 18NOV03 TIME 09:10:04
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*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 756-1104
*
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X   X  XXXXXXXX  XXXXX      X
X   X X          X   X      XX
X   X X          X           X
XXXXXXXX XXXX    X           XXXXX X
X   X X          X           X
X   X X          X   X      X
X   X  XXXXXXXX  XXXXX      XXX

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

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

ENCINITAS
 14413
 IMPROVED (INTERIM) 5-YR
 11-18-03

LINE	ID	1	2	3	4	5	6	7	8	9	10
135	KK	DET4_3									
136	KM	DETAIN BASINS 3 AND 4 IN THE SUMP AT CADMUS AND BASIL									
137	KO	0	0	0	0	21					
138	RS	1	STOR	-1							
139	SA	0	0.666	2.50	4.59						
140	SE	55	56	58	60						
141	SQ	0	2								
142	SE	55	56.05								
143	KK	RT_C1									
144	KO	0	0	0	0	21					
145	KM	ROUTE THROUGH MAIN LINE FROM LINE C TO CONNECTION 1									
146	KM	THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 1.8'X 1.8' BOX, WHICH HAS									
147	KM	THE SAME X-SECTIONAL AREA AS A 24" PIPE									
148	RS	1	STOR	-1							
149	RC	.013	.013	.013	1250	0.0036					
150	RX	1	2	5	5	6.8	6.8	7	8		
151	RY	2.8	2.8	2.8	1	1	2.8	2.8	2.8		
152	KK	C									
153	BA	0.06									
154	LS	0	73								
155	UD	0.323									
156	KK	DET_6									
157	KO	0	0	0	0	21					
158	KM	DETAIN ON THE EAST SIDE OF TRACKS AT THE SUMP NEAR THE MOBILE HOME PARK									
159	RS	1	STOR	-1							
160	SA	0	0.032	0.551	1.561	3.42					
161	SE	61.5	62	64	66	68					
162	SQ	0	7.4								
163	SE	61.5	63.91								
164	KK	MAIN_1									
165	KM	Q IN MAIN LINE AFTER CONFLUENCE WITH CONNECTION 1									
166	HC	2									
167	KK	RT_1G									
168	KO	0	0	0	0	21					
169	KM	ROUTE THROUGH MAIN LINE FROM CONNECTION 1 TO LINE G									
170	KM	THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 1.8'X 1.8' BOX, WHICH HAS									
171	KM	THE SAME X-SECTIONAL AREA AS A 24" PIPE									
172	RS	1	STOR	-1							
173	RC	.013	.013	.013	1000	0.0126					
174	RX	1	2	5	5	6.8	6.8	7	8		
175	RY	2.8	2.8	2.8	1	1	2.8	2.8	2.8		
176	KK	5_LINED									
177	KM	BASIN 5 DRAINING TO LINE D									
178	BA	0.02									
179	LS	0	68								
180	UD	0.084									

LINE	ID	1	2	3	4	5	6	7	8	9	10
181	KK7_LINE&P										
182	KM	BASIN 7 DRAINING TO LINE E AND LINE F									
183	BA	0.02									
184	LS	0	66								
185	UD	0.129									
186	KK 8_LINEG										
187	KM	BASIN 8 DRAINING TO LINE G									
188	BA	0.01									
189	LS	0	71								
190	UD	0.128									
191	KK COMBINE										
192	KM	COMBINE BASINS 5,7,8									
193	HC	3									
194	KK D_578										
195	KM	DETAIN BASINS 5,7,8, AND OUTFLOW FROM EAST SIDE OF TRACKS									
196	KO	2	2	0	0	21					
197	RS	1	STOR	-1							
198	SA	0	0.296	2.54	8.28						
199	SE	51	52	54	56						
200	SQ	0	3								
201	SE	51	52.5								
202	KK MAIN_G										
203	KM	0 IN MAIN LINE AFTER CONFLUENCE WITH DETAINED FLOW FROM BASINS									
204	KM	5, 7, AND 8									
205	HC	2									
206	KK RT_G3										
207	KO	0	0	0	0	21					
208	KM	ROUTE THROUGH MAIN LINE FROM LINE G TO CONNECTION 3									
209	KM	THE RD CARD NOT USED FOR THE ROUTING ANALYSIS									
210	RS	1	STOR	-1							
		* RD 4000 .0025 .013 0 CIRC 2									
211	RC	.013	.013	.013	1575	0.0025					
212	RX	1	2	5	5	7.5	7.5	8	9		
213	RY	121.8	121.8	121.8	120	120	121.8	121.8	121.8		
214	KK 9A										
215	KM	BASIN 9A ULTIMATELY DRAINING TO CONNECTION 2									
216	BA	0.02									
217	LS	0	69								
218	UD	0.120									
219	KK DET9A										
220	KM	DETAIN BASIN 9A IN THE SUMP									
221	RS	1	STOR	-1							
222	SA	0	1.6	1.6							
223	SQ	0	0	20							
224	SE	53	54	54.1							

LINE	ID	1	2	3	4	5	6	7	8	9	10
267	KK	MAIN_3									
268	KO	0	0	0	0	21					
269	KM	Q IN MAIN LINE AFTER CONFLUENCE WITH Q FROM PUMP STATION (CONN. 2)									
270	KM	AT CONNECTION 3 AND BASIN 10 DRAINING TO CONN. 3									
271	HC	3									
272	KK	RT_34									
273	KO	0	0	0	0	21					
274	KM	ROUTE FROM CONNECTION 3 TO CONNECTION 4									
275	KM	THE RD CARD WAS NOT USED FOR THE ROUTING ANALYSIS									
276	RS	1	STOR	-1							
		* RD 1225 .0025 .013 0 CIRC 2									
277	RC	.013	.013	.013	1225	0.0025					
278	RX	1	2	5	5	7.2	7.2	8	9		
279	RY	121.8	121.8	121.8	120	120	121.8	121.8	121.8		
280	KK	11_CON4									
281	KM	BASIN 11 DRAINING TO CONNECTION 4									
282	BA	0.04									
283	LS	0	71								
284	UD	0.133									
285	KK	MAIN_4END									
286	KO	0	0	0	0	21					
287	KM	Q IN MAIN LINE AFTER CONFLUENCE WITH CONNECTION 4									
288	HC	2									
289	ZZ										

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT			
LINE	(V) ROUTING	(--->) DIVERSION OR PUMP FLOW	
NO.	(.) CONNECTOR	(<---) RETURN OF DIVERTED OR PUMPED FLOW	
37	1A		
	V		
	V		
74	RT1A		
	.		
80	.	1B	
	.	V	
	.	V	
84	.	RT1B	
	.	V	
	.	V	
90	.	RT1B	
	.	.	
	.	.	
96	.	.	1
	.	.	.
	.	.	.
100	1_1A.....		
	V		
	V		
103	RT1		
	.		
109	.	2	
	.	.	
	.	.	
113	2_1_1A.....		
	V		
	V		
116	DET_2	.	
	.		
122	.	3_LINED	
	.	.	
127	.	.	4_LINEC
	.	.	.
	.	.	.
132	.	4_3.....	
	.	V	
	.	V	
135	.	DET4_3	
	.	V	
	.	V	
143	.	RT_C1	
	.	.	
	.	.	
152	.	.	6
	.	.	V
	.	.	V
156	.	.	DST_6
	.	.	.

```

164 MAIN_1.....
      V
      V
167 RT_1G
      .
      .
176      5_LINED
      .
      .
181      7_LINE&&
      .
      .
186      8_LINEG
      .
      .
191 COMBINE.....
      V
      V
194 D_57B
      .
      .
202 MAIN_G.....
      V
      V
206 RT_G3
      .
      .
214      9A
      V
      V
219 DET9A
      .
      .
225      9B
      V
      V
230 DET
      .
      .
236      9
      .
      .
241 CON_2.....
      V
      V
244 PUMP
      V
      V
252 RT_P_23
      .
      .
262      10_CON3
      .
      .
267 MAIN_3.....
      V
      V
272 RT_34
      .

```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

285	*	MAIN 4EN	*
	*		*
	*		*
280	*	11 CON4	*
	*		*

```

*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 1998
* VERSION 4.1
*
* RUN DATE 18NOV03 TIME 09:10:04
*
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 756-1104
*
*****

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*****
ENCINITAS COAST HWY 101
J-14413
SEPT 25, 2003
MODIFIED EXISTING RUN TO MODEL PROPOSED DETENTION OF BASINS
1A, 1B, 1, 2, 3, 4, 5, 6, AND 8
DETENTION CARDS SA/SV, SQ, SE OBTAINED FROM FN: DSI_5R.HCI
*****
ENCINITAS- COAST HIGHWAY 101
JOB # 14413
09-12-03
MODIFIED PUMP Q TO 1.7 CFS, AND ROUTING OF BASINS 9A, 9B, AND 9
FROM PUMP STATION THROUGH 10" LATERAL, CONFLUENCING
WITH MAIN LINE AT AT CONNECTION 3 INSTEAD OF CONNECTION 2
ALSO CHANGED ROUTING THROUGH MAIN LINE FROM LINE G TO CONNECTION
2, TO LINE G TO CONNECTION 3
*****
ENCINITAS- COAST HIGHWAY 101
JOB # 14413
09-04-03
MODIFIED CURVE NUMBER AND REMOVED * IMPERVIOUS
*****
ENCINITAS- COAST HIGHWAY 101
JOB # 14413
06-03-03
POST-IMPROVEMENT (EXISTING) CONDITION FN: 101EX_5.HCI
5-YEAR, 24-HR STORM EVENT
LAG CALCULATION ARE BASED OFF OF NRCS METHOD
AND ARE A FUNCTION OF RUNOFF COEF. AND VELOCITY
NESTED STORM PER COUNTY OF SAN DIEGO HYDROLOGY MANUAL
COPYRIGHT 2003 RICK ENGINEERING COMPANY
6HR RAINFALL IS 1.6 INCHES
24HR RAINFALL IS 2.5 INCHES
TOTAL BASIN AREA IS .5 SQUARE MILES

```

16 IO

OUTPUT CONTROL VARIABLES

```

IPRNT      1  PRINT CONTROL
IPLOT      0  PLOT CONTROL
QSCAL      0.  HYDROGRAPH PLOT SCALE

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IT

HYDROGRAPH TIME DATA

```

NMN        5  MINUTES IN COMPUTATION INTERVAL
IDATE      1JAN90  STARTING DATE
ITIME      1200  STARTING TIME
NQ         300  NUMBER OF HYDROGRAPH ORDINATES
NDDATE     2JAN90  ENDING DATE

```


.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

72 LB SCS LOSS RATE
 STRTL 1.33 INITIAL ABSTRACTION
 CRVNR 60.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

73 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .14 LAG

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

UNIT HYDROGRAPH
 10 END-OF-PERIOD ORDINATES

11. 27. 21. 10. 5. 2. 1. 0. 0. 0.

HYDROGRAPH AT STATION 1A

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.

1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.05	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.07	.00	0.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.10	.00	0.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.32	.03	0.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.05	.01	1.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	1.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.00	1.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.00	1.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.00	0.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.02	.00	0.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	0.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	0.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	0.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	0.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	0.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	0.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	0.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	0.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	0.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	0.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	0.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	0.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.01	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.01	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.01	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.01	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.

1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.

1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.32, TOTAL EXCESS = .17

PEAK FLOW (CPS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
1.	16.08	(CPS) 0.	0.	0.	0.
		(INCHES) .150	.172	.172	.172
		(AC-FT) 0.	0.	0.	0.

CUMULATIVE AREA = .01 SQ MI

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74 KK

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*   RT1A   *
*           *
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ROUTE RUNOFF FROM BASIN 1A THROUGH BASIN 1 (ALONG HW 101)

HYDROGRAPH ROUTING DATA

76 RS

STORAGE ROUTING

NSTPS 3 NUMBER OF SUBREACHES
 ITYP STOR TYPE OF INITIAL CONDITION
 RSVRIC -1.00 INITIAL CONDITION
 X .00 WORKING R AND D COEFFICIENT

77 RC

NORMAL DEPTH CHANNEL

ANL .020 LEFT OVERBANK N-VALUE
 ANCH .020 MAIN CHANNEL N-VALUE
 ANR .020 RIGHT OVERBANK N-VALUE
 RLNTH 3225. REACH LENGTH
 SEL .0068 ENERGY SLOPE
 ELMAX .0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

--- LEFT OVERBANK --- + ----- MAIN CHANNEL ----- + --- RIGHT OVERBANK ---

79 RY	ELEVATION	2.00	2.00	1.50	1.00	1.00	1.50	2.00	2.00
78 RX	DISTANCE	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.05	.08	.11	.15	.19	.24	.29	.34
OUTFLOW	.00	.24	.78	1.61	2.73	4.15	5.89	7.96	10.39	13.19
ELEVATION	1.00	1.05	1.11	1.16	1.21	1.26	1.32	1.37	1.42	1.47
STORAGE	.40	.46	.53	.60	.67	.75	.84	.92	1.02	1.11
OUTFLOW	16.73	21.04	25.83	31.10	36.88	43.18	50.02	57.41	65.38	71.69
ELEVATION	1.53	1.58	1.63	1.68	1.74	1.79	1.84	1.89	1.95	2.00

HYDROGRAPH AT STATION RT1A

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	1200	1	0.	.0	1.0	*	1	JAN	2020	101	0.	.0	1.0	*	2	JAN	0440	201	0.	.0	1.1
1	JAN	1205	2	0.	.0	1.0	*	1	JAN	2025	102	0.	.0	1.0	*	2	JAN	0445	202	0.	.0	1.1
1	JAN	1210	3	0.	.0	1.0	*	1	JAN	2030	103	0.	.0	1.0	*	2	JAN	0450	203	0.	.0	1.1
1	JAN	1215	4	0.	.0	1.0	*	1	JAN	2035	104	0.	.0	1.0	*	2	JAN	0455	204	0.	.0	1.1
1	JAN	1220	5	0.	.0	1.0	*	1	JAN	2040	105	0.	.0	1.0	*	2	JAN	0500	205	0.	.0	1.1
1	JAN	1225	6	0.	.0	1.0	*	1	JAN	2045	106	0.	.0	1.0	*	2	JAN	0505	206	0.	.0	1.1
1	JAN	1230	7	0.	.0	1.0	*	1	JAN	2050	107	0.	.0	1.0	*	2	JAN	0510	207	0.	.0	1.1
1	JAN	1235	8	0.	.0	1.0	*	1	JAN	2055	108	0.	.0	1.0	*	2	JAN	0515	208	0.	.0	1.1
1	JAN	1240	9	0.	.0	1.0	*	1	JAN	2100	109	0.	.0	1.0	*	2	JAN	0520	209	0.	.0	1.1
1	JAN	1245	10	0.	.0	1.0	*	1	JAN	2105	110	0.	.0	1.0	*	2	JAN	0525	210	0.	.0	1.1
1	JAN	1250	11	0.	.0	1.0	*	1	JAN	2110	111	0.	.0	1.0	*	2	JAN	0530	211	0.	.0	1.1
1	JAN	1255	12	0.	.0	1.0	*	1	JAN	2115	112	0.	.0	1.0	*	2	JAN	0535	212	0.	.0	1.1
1	JAN	1300	13	0.	.0	1.0	*	1	JAN	2120	113	0.	.0	1.0	*	2	JAN	0540	213	0.	.0	1.1
1	JAN	1305	14	0.	.0	1.0	*	1	JAN	2125	114	0.	.0	1.0	*	2	JAN	0545	214	0.	.0	1.0
1	JAN	1310	15	0.	.0	1.0	*	1	JAN	2130	115	0.	.0	1.0	*	2	JAN	0550	215	0.	.0	1.0
1	JAN	1315	16	0.	.0	1.0	*	1	JAN	2135	116	0.	.0	1.0	*	2	JAN	0555	216	0.	.0	1.0
1	JAN	1320	17	0.	.0	1.0	*	1	JAN	2140	117	0.	.0	1.0	*	2	JAN	0600	217	0.	.0	1.0
1	JAN	1325	18	0.	.0	1.0	*	1	JAN	2145	118	0.	.0	1.0	*	2	JAN	0605	218	0.	.0	1.0
1	JAN	1330	19	0.	.0	1.0	*	1	JAN	2150	119	0.	.0	1.0	*	2	JAN	0610	219	0.	.0	1.0
1	JAN	1335	20	0.	.0	1.0	*	1	JAN	2155	120	0.	.0	1.0	*	2	JAN	0615	220	0.	.0	1.0
1	JAN	1340	21	0.	.0	1.0	*	1	JAN	2200	121	0.	.0	1.0	*	2	JAN	0620	221	0.	.0	1.0
1	JAN	1345	22	0.	.0	1.0	*	1	JAN	2205	122	0.	.0	1.0	*	2	JAN	0625	222	0.	.0	1.0
1	JAN	1350	23	0.	.0	1.0	*	1	JAN	2210	123	0.	.0	1.0	*	2	JAN	0630	223	0.	.0	1.0
1	JAN	1355	24	0.	.0	1.0	*	1	JAN	2215	124	0.	.0	1.0	*	2	JAN	0635	224	0.	.0	1.0
1	JAN	1400	25	0.	.0	1.0	*	1	JAN	2220	125	0.	.0	1.0	*	2	JAN	0640	225	0.	.0	1.0
1	JAN	1405	26	0.	.0	1.0	*	1	JAN	2225	126	0.	.0	1.0	*	2	JAN	0645	226	0.	.0	1.0
1	JAN	1410	27	0.	.0	1.0	*	1	JAN	2230	127	0.	.0	1.0	*	2	JAN	0650	227	0.	.0	1.0
1	JAN	1415	28	0.	.0	1.0	*	1	JAN	2235	128	0.	.0	1.0	*	2	JAN	0655	228	0.	.0	1.0
1	JAN	1420	29	0.	.0	1.0	*	1	JAN	2240	129	0.	.0	1.0	*	2	JAN	0700	229	0.	.0	1.0
1	JAN	1425	30	0.	.0	1.0	*	1	JAN	2245	130	0.	.0	1.0	*	2	JAN	0705	230	0.	.0	1.0
1	JAN	1430	31	0.	.0	1.0	*	1	JAN	2250	131	0.	.0	1.0	*	2	JAN	0710	231	0.	.0	1.0
1	JAN	1435	32	0.	.0	1.0	*	1	JAN	2255	132	0.	.0	1.0	*	2	JAN	0715	232	0.	.0	1.0
1	JAN	1440	33	0.	.0	1.0	*	1	JAN	2300	133	0.	.0	1.0	*	2	JAN	0720	233	0.	.0	1.0
1	JAN	1445	34	0.	.0	1.0	*	1	JAN	2305	134	0.	.0	1.0	*	2	JAN	0725	234	0.	.0	1.0
1	JAN	1450	35	0.	.0	1.0	*	1	JAN	2310	135	0.	.0	1.0	*	2	JAN	0730	235	0.	.0	1.0
1	JAN	1455	36	0.	.0	1.0	*	1	JAN	2315	136	0.	.0	1.0	*	2	JAN	0735	236	0.	.0	1.0

1 JAN 1500 37	0.	.0	1.0 *	1 JAN 2320 137	0.	.0	1.0 *	2 JAN 0740 237	0.	.0	1.0
1 JAN 1505 38	0.	.0	1.0 *	1 JAN 2325 138	0.	.0	1.0 *	2 JAN 0745 238	0.	.0	1.0
1 JAN 1510 39	0.	.0	1.0 *	1 JAN 2330 139	0.	.0	1.0 *	2 JAN 0750 239	0.	.0	1.0
1 JAN 1515 40	0.	.0	1.0 *	1 JAN 2335 140	0.	.0	1.0 *	2 JAN 0755 240	0.	.0	1.0
1 JAN 1520 41	0.	.0	1.0 *	1 JAN 2340 141	0.	.0	1.0 *	2 JAN 0800 241	0.	.0	1.0
1 JAN 1525 42	0.	.0	1.0 *	1 JAN 2345 142	0.	.0	1.0 *	2 JAN 0805 242	0.	.0	1.0
1 JAN 1530 43	0.	.0	1.0 *	1 JAN 2350 143	0.	.0	1.0 *	2 JAN 0810 243	0.	.0	1.0
1 JAN 1535 44	0.	.0	1.0 *	1 JAN 2355 144	0.	.0	1.0 *	2 JAN 0815 244	0.	.0	1.0
1 JAN 1540 45	0.	.0	1.0 *	2 JAN 0000 145	0.	.0	1.0 *	2 JAN 0820 245	0.	.0	1.0
1 JAN 1545 46	0.	.0	1.0 *	2 JAN 0005 146	0.	.0	1.0 *	2 JAN 0825 246	0.	.0	1.0
1 JAN 1550 47	0.	.0	1.0 *	2 JAN 0010 147	0.	.0	1.0 *	2 JAN 0830 247	0.	.0	1.0
1 JAN 1555 48	0.	.0	1.0 *	2 JAN 0015 148	0.	.0	1.0 *	2 JAN 0835 248	0.	.0	1.0
1 JAN 1600 49	0.	.0	1.0 *	2 JAN 0020 149	0.	.0	1.0 *	2 JAN 0840 249	0.	.0	1.0
1 JAN 1605 50	0.	.0	1.0 *	2 JAN 0025 150	0.	.0	1.0 *	2 JAN 0845 250	0.	.0	1.0
1 JAN 1610 51	0.	.0	1.0 *	2 JAN 0030 151	0.	.0	1.0 *	2 JAN 0850 251	0.	.0	1.0
1 JAN 1615 52	0.	.0	1.0 *	2 JAN 0035 152	0.	.0	1.0 *	2 JAN 0855 252	0.	.0	1.0
1 JAN 1620 53	0.	.0	1.0 *	2 JAN 0040 153	0.	.0	1.0 *	2 JAN 0900 253	0.	.0	1.0
1 JAN 1625 54	0.	.0	1.0 *	2 JAN 0045 154	0.	.0	1.0 *	2 JAN 0905 254	0.	.0	1.0
1 JAN 1630 55	0.	.0	1.0 *	2 JAN 0050 155	0.	.0	1.0 *	2 JAN 0910 255	0.	.0	1.0
1 JAN 1635 56	0.	.0	1.0 *	2 JAN 0055 156	0.	.0	1.0 *	2 JAN 0915 256	0.	.0	1.0
1 JAN 1640 57	0.	.0	1.0 *	2 JAN 0100 157	0.	.0	1.0 *	2 JAN 0920 257	0.	.0	1.0
1 JAN 1645 58	0.	.0	1.0 *	2 JAN 0105 158	0.	.0	1.0 *	2 JAN 0925 258	0.	.0	1.0
1 JAN 1650 59	0.	.0	1.0 *	2 JAN 0110 159	0.	.0	1.0 *	2 JAN 0930 259	0.	.0	1.0
1 JAN 1655 60	0.	.0	1.0 *	2 JAN 0115 160	0.	.0	1.0 *	2 JAN 0935 260	0.	.0	1.0
1 JAN 1700 61	0.	.0	1.0 *	2 JAN 0120 161	0.	.0	1.0 *	2 JAN 0940 261	0.	.0	1.0
1 JAN 1705 62	0.	.0	1.0 *	2 JAN 0125 162	0.	.0	1.0 *	2 JAN 0945 262	0.	.0	1.0
1 JAN 1710 63	0.	.0	1.0 *	2 JAN 0130 163	0.	.0	1.0 *	2 JAN 0950 263	0.	.0	1.0
1 JAN 1715 64	0.	.0	1.0 *	2 JAN 0135 164	0.	.0	1.0 *	2 JAN 0955 264	0.	.0	1.0
1 JAN 1720 65	0.	.0	1.0 *	2 JAN 0140 165	0.	.0	1.0 *	2 JAN 1000 265	0.	.0	1.0
1 JAN 1725 66	0.	.0	1.0 *	2 JAN 0145 166	0.	.0	1.0 *	2 JAN 1005 266	0.	.0	1.0
1 JAN 1730 67	0.	.0	1.0 *	2 JAN 0150 167	0.	.0	1.0 *	2 JAN 1010 267	0.	.0	1.0
1 JAN 1735 68	0.	.0	1.0 *	2 JAN 0155 168	0.	.0	1.0 *	2 JAN 1015 268	0.	.0	1.0
1 JAN 1740 69	0.	.0	1.0 *	2 JAN 0200 169	0.	.0	1.0 *	2 JAN 1020 269	0.	.0	1.0
1 JAN 1745 70	0.	.0	1.0 *	2 JAN 0205 170	0.	.0	1.0 *	2 JAN 1025 270	0.	.0	1.0
1 JAN 1750 71	0.	.0	1.0 *	2 JAN 0210 171	0.	.0	1.0 *	2 JAN 1030 271	0.	.0	1.0
1 JAN 1755 72	0.	.0	1.0 *	2 JAN 0215 172	0.	.0	1.0 *	2 JAN 1035 272	0.	.0	1.0
1 JAN 1800 73	0.	.0	1.0 *	2 JAN 0220 173	0.	.0	1.0 *	2 JAN 1040 273	0.	.0	1.0
1 JAN 1805 74	0.	.0	1.0 *	2 JAN 0225 174	0.	.0	1.0 *	2 JAN 1045 274	0.	.0	1.0
1 JAN 1810 75	0.	.0	1.0 *	2 JAN 0230 175	0.	.0	1.0 *	2 JAN 1050 275	0.	.0	1.0
1 JAN 1815 76	0.	.0	1.0 *	2 JAN 0235 176	0.	.0	1.0 *	2 JAN 1055 276	0.	.0	1.0
1 JAN 1820 77	0.	.0	1.0 *	2 JAN 0240 177	0.	.0	1.0 *	2 JAN 1100 277	0.	.0	1.0
1 JAN 1825 78	0.	.0	1.0 *	2 JAN 0245 178	0.	.0	1.0 *	2 JAN 1105 278	0.	.0	1.0
1 JAN 1830 79	0.	.0	1.0 *	2 JAN 0250 179	0.	.0	1.0 *	2 JAN 1110 279	0.	.0	1.0
1 JAN 1835 80	0.	.0	1.0 *	2 JAN 0255 180	0.	.0	1.0 *	2 JAN 1115 280	0.	.0	1.0
1 JAN 1840 81	0.	.0	1.0 *	2 JAN 0300 181	0.	.0	1.0 *	2 JAN 1120 281	0.	.0	1.0
1 JAN 1845 82	0.	.0	1.0 *	2 JAN 0305 182	0.	.0	1.0 *	2 JAN 1125 282	0.	.0	1.0
1 JAN 1850 83	0.	.0	1.0 *	2 JAN 0310 183	0.	.0	1.0 *	2 JAN 1130 283	0.	.0	1.0
1 JAN 1855 84	0.	.0	1.0 *	2 JAN 0315 184	0.	.0	1.0 *	2 JAN 1135 284	0.	.0	1.0
1 JAN 1900 85	0.	.0	1.0 *	2 JAN 0320 185	0.	.0	1.0 *	2 JAN 1140 285	0.	.0	1.0
1 JAN 1905 86	0.	.0	1.0 *	2 JAN 0325 186	0.	.0	1.0 *	2 JAN 1145 286	0.	.0	1.0
1 JAN 1910 87	0.	.0	1.0 *	2 JAN 0330 187	0.	.0	1.0 *	2 JAN 1150 287	0.	.0	1.0
1 JAN 1915 88	0.	.0	1.0 *	2 JAN 0335 188	0.	.0	1.0 *	2 JAN 1155 288	0.	.0	1.0
1 JAN 1920 89	0.	.0	1.0 *	2 JAN 0340 189	0.	.0	1.0 *	2 JAN 1200 289	0.	.0	1.0
1 JAN 1925 90	0.	.0	1.0 *	2 JAN 0345 190	0.	.0	1.0 *	2 JAN 1205 290	0.	.0	1.0
1 JAN 1930 91	0.	.0	1.0 *	2 JAN 0350 191	0.	.0	1.0 *	2 JAN 1210 291	0.	.0	1.0
1 JAN 1935 92	0.	.0	1.0 *	2 JAN 0355 192	0.	.0	1.0 *	2 JAN 1215 292	0.	.0	1.0
1 JAN 1940 93	0.	.0	1.0 *	2 JAN 0400 193	0.	.0	1.0 *	2 JAN 1220 293	0.	.0	1.0
1 JAN 1945 94	0.	.0	1.0 *	2 JAN 0405 194	0.	.0	1.0 *	2 JAN 1225 294	0.	.0	1.0
1 JAN 1950 95	0.	.0	1.0 *	2 JAN 0410 195	0.	.0	1.0 *	2 JAN 1230 295	0.	.0	1.0
1 JAN 1955 96	0.	.0	1.0 *	2 JAN 0415 196	0.	.0	1.0 *	2 JAN 1235 296	0.	.0	1.0

.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07	
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

82 LS SCS LOSS RATE
 STRTL 1.08 INITIAL ABSTRACTION
 CRVNBR 65.00 CURVE NUMBER
 RTIMP .00 PERCENT IMPERVIOUS AREA

83 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .16 LAG

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

UNIT HYDROGRAPH
 12 END-OF-PERIOD ORDINATES

23.	67.	65.	38.	19.	10.	5.	3.	1.	1.
0.	0.								

HYDROGRAPH AT STATION 1B

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	1200	1	.00	.00	.00	0.	*	2	JAN	0030	151	.01	.01	.00	0.
1	JAN	1205	2	.00	.00	.00	0.	*	2	JAN	0035	152	.01	.01	.00	0.
1	JAN	1210	3	.00	.00	.00	0.	*	2	JAN	0040	153	.01	.01	.00	0.
1	JAN	1215	4	.00	.00	.00	0.	*	2	JAN	0045	154	.01	.01	.00	0.
1	JAN	1220	5	.00	.00	.00	0.	*	2	JAN	0050	155	.01	.01	.00	0.
1	JAN	1225	6	.00	.00	.00	0.	*	2	JAN	0055	156	.01	.01	.00	0.
1	JAN	1230	7	.00	.00	.00	0.	*	2	JAN	0100	157	.01	.01	.00	0.
1	JAN	1235	8	.00	.00	.00	0.	*	2	JAN	0105	158	.01	.01	.00	0.
1	JAN	1240	9	.00	.00	.00	0.	*	2	JAN	0110	159	.01	.01	.00	0.
1	JAN	1245	10	.00	.00	.00	0.	*	2	JAN	0115	160	.01	.01	.00	0.
1	JAN	1250	11	.00	.00	.00	0.	*	2	JAN	0120	161	.01	.01	.00	0.
1	JAN	1255	12	.00	.00	.00	0.	*	2	JAN	0125	162	.01	.01	.00	0.
1	JAN	1300	13	.00	.00	.00	0.	*	2	JAN	0130	163	.01	.01	.00	0.
1	JAN	1305	14	.00	.00	.00	0.	*	2	JAN	0135	164	.01	.01	.00	0.
1	JAN	1310	15	.00	.00	.00	0.	*	2	JAN	0140	165	.01	.01	.00	0.
1	JAN	1315	16	.00	.00	.00	0.	*	2	JAN	0145	166	.01	.01	.00	0.
1	JAN	1320	17	.00	.00	.00	0.	*	2	JAN	0150	167	.01	.01	.00	0.
1	JAN	1325	18	.00	.00	.00	0.	*	2	JAN	0155	168	.01	.01	.00	0.
1	JAN	1330	19	.00	.00	.00	0.	*	2	JAN	0200	169	.01	.01	.00	0.
1	JAN	1335	20	.00	.00	.00	0.	*	2	JAN	0205	170	.01	.01	.00	0.

1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.09	.01	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.29	.06	3.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.01	6.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	6.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	4.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	3.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.01	2.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	2.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	2.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.

1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.

1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.20, TOTAL EXCESS = .30

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
6.	16.17	(CFS)	1.	0.	0.	0.
		(INCHES)	.260	.295	.295	.295
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .03 SQ MI

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84 KK

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*   RTIR   *
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ROUTE RUNOFF FROM BASIN 1B THROUGH BASIN 1 (ALONG ORPHEUS ST.)

HYDROGRAPH ROUTING DATA

86 RS

STORAGE ROUTING

NSTPS 1 NUMBER OF SUBREACHES
 ITYP STOR TYPE OF INITIAL CONDITION
 RSVRIC -1.00 INITIAL CONDITION
 X .00 WORKING R AND D COEFFICIENT

87 RC

NORMAL DEPTH CHANNEL

ANL .020 LEFT OVERBANK N-VALUE
 ANCH .020 MAIN CHANNEL N-VALUE
 ANR .020 RIGHT OVERBANK N-VALUE
 RLNTH 1125. REACH LENGTH
 SEL .0000 ENERGY SLOPE
 ELMAX .0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVERBANK ---	+ ----- MAIN CHANNEL -----	+ --- RIGHT OVERBANK ---	
89 RY	ELEVATION	2.00	2.00 1.50 1.00 1.00 1.50	2.00	2.00
88 RX	DISTANCE	.00	5.00 10.00 15.00 20.00 25.00	30.00	35.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.02	.03	.04	.05	.07	.08	.10	.12
OUTFLOW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELEVATION	1.00	1.05	1.11	1.16	1.21	1.26	1.32	1.37	1.42	1.47
STORAGE	.14	.16	.18	.21	.24	.26	.29	.32	.35	.39
OUTFLOW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELEVATION	1.53	1.58	1.63	1.68	1.74	1.79	1.84	1.89	1.95	2.00

HYDROGRAPH AT STATION RT1B

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.1	1.5	1	JAN	2020	101	0.	.1	1.5	2	JAN	0440	201	0.	.3	1.9
1	JAN	1205	2	0.	.1	1.5	1	JAN	2025	102	0.	.1	1.5	2	JAN	0445	202	0.	.4	2.0
1	JAN	1210	3	0.	.1	1.5	1	JAN	2030	103	0.	.1	1.5	2	JAN	0450	203	0.	.4	2.0
1	JAN	1215	4	0.	.1	1.5	1	JAN	2035	104	0.	.1	1.5	2	JAN	0455	204	0.	.4	2.0
1	JAN	1220	5	0.	.1	1.5	1	JAN	2040	105	0.	.1	1.5	2	JAN	0500	205	0.	.4	2.0
1	JAN	1225	6	0.	.1	1.5	1	JAN	2045	106	0.	.1	1.5	2	JAN	0505	206	0.	.4	2.0
1	JAN	1230	7	0.	.1	1.5	1	JAN	2050	107	0.	.1	1.5	2	JAN	0510	207	0.	.4	2.0
1	JAN	1235	8	0.	.1	1.5	1	JAN	2055	108	0.	.1	1.5	2	JAN	0515	208	0.	.4	2.0
1	JAN	1240	9	0.	.1	1.5	1	JAN	2100	109	0.	.1	1.5	2	JAN	0520	209	0.	.4	2.0
1	JAN	1245	10	0.	.1	1.5	1	JAN	2105	110	0.	.1	1.5	2	JAN	0525	210	0.	.4	2.0
1	JAN	1250	11	0.	.1	1.5	1	JAN	2110	111	0.	.1	1.5	2	JAN	0530	211	0.	.4	2.0
1	JAN	1255	12	0.	.1	1.5	1	JAN	2115	112	0.	.1	1.5	2	JAN	0535	212	0.	.4	2.0
1	JAN	1300	13	0.	.1	1.5	1	JAN	2120	113	0.	.1	1.5	2	JAN	0540	213	0.	.4	2.1
1	JAN	1305	14	0.	.1	1.5	1	JAN	2125	114	0.	.1	1.5	2	JAN	0545	214	0.	.4	2.1
1	JAN	1310	15	0.	.1	1.5	1	JAN	2130	115	0.	.1	1.5	2	JAN	0550	215	0.	.4	2.1
1	JAN	1315	16	0.	.1	1.5	1	JAN	2135	116	0.	.1	1.5	2	JAN	0555	216	0.	.4	2.1
1	JAN	1320	17	0.	.1	1.5	1	JAN	2140	117	0.	.1	1.5	2	JAN	0600	217	0.	.4	2.1
1	JAN	1325	18	0.	.1	1.5	1	JAN	2145	118	0.	.1	1.5	2	JAN	0605	218	0.	.4	2.1
1	JAN	1330	19	0.	.1	1.5	1	JAN	2150	119	0.	.1	1.5	2	JAN	0610	219	0.	.4	2.1
1	JAN	1335	20	0.	.1	1.5	1	JAN	2155	120	0.	.1	1.5	2	JAN	0615	220	0.	.5	2.1
1	JAN	1340	21	0.	.1	1.5	1	JAN	2200	121	0.	.1	1.5	2	JAN	0620	221	0.	.5	2.1
1	JAN	1345	22	0.	.1	1.5	1	JAN	2205	122	0.	.1	1.5	2	JAN	0625	222	0.	.5	2.1
1	JAN	1350	23	0.	.1	1.5	1	JAN	2210	123	0.	.1	1.5	2	JAN	0630	223	0.	.5	2.1
1	JAN	1355	24	0.	.1	1.5	1	JAN	2215	124	0.	.1	1.5	2	JAN	0635	224	0.	.5	2.1
1	JAN	1400	25	0.	.1	1.5	1	JAN	2220	125	0.	.1	1.5	2	JAN	0640	225	0.	.5	2.1
1	JAN	1405	26	0.	.1	1.5	1	JAN	2225	126	0.	.1	1.5	2	JAN	0645	226	0.	.5	2.1
1	JAN	1410	27	0.	.1	1.5	1	JAN	2230	127	0.	.1	1.5	2	JAN	0650	227	0.	.5	2.1
1	JAN	1415	28	0.	.1	1.5	1	JAN	2235	128	0.	.1	1.5	2	JAN	0655	228	0.	.5	2.1
1	JAN	1420	29	0.	.1	1.5	1	JAN	2240	129	0.	.1	1.5	2	JAN	0700	229	0.	.5	2.1
1	JAN	1425	30	0.	.1	1.5	1	JAN	2245	130	0.	.1	1.5	2	JAN	0705	230	0.	.5	2.2
1	JAN	1430	31	0.	.1	1.5	1	JAN	2250	131	0.	.1	1.5	2	JAN	0710	231	0.	.5	2.2
1	JAN	1435	32	0.	.1	1.5	1	JAN	2255	132	0.	.1	1.5	2	JAN	0715	232	0.	.5	2.2
1	JAN	1440	33	0.	.1	1.5	1	JAN	2300	133	0.	.1	1.5	2	JAN	0720	233	0.	.5	2.2
1	JAN	1445	34	0.	.1	1.5	1	JAN	2305	134	0.	.1	1.5	2	JAN	0725	234	0.	.5	2.2
1	JAN	1450	35	0.	.1	1.5	1	JAN	2310	135	0.	.1	1.5	2	JAN	0730	235	0.	.5	2.2
1	JAN	1455	36	0.	.1	1.5	1	JAN	2315	136	0.	.1	1.5	2	JAN	0735	236	0.	.5	2.2
1	JAN	1500	37	0.	.1	1.5	1	JAN	2320	137	0.	.1	1.5	2	JAN	0740	237	0.	.5	2.2
1	JAN	1505	38	0.	.1	1.5	1	JAN	2325	138	0.	.1	1.5	2	JAN	0745	238	0.	.5	2.2
1	JAN	1510	39	0.	.1	1.5	1	JAN	2330	139	0.	.1	1.5	2	JAN	0750	239	0.	.5	2.2
1	JAN	1515	40	0.	.1	1.5	1	JAN	2335	140	0.	.1	1.5	2	JAN	0755	240	0.	.5	2.2
1	JAN	1520	41	0.	.1	1.5	1	JAN	2340	141	0.	.1	1.5	2	JAN	0800	241	0.	.5	2.2
1	JAN	1525	42	0.	.1	1.5	1	JAN	2345	142	0.	.1	1.5	2	JAN	0805	242	0.	.5	2.2

1 JAN 1530 43	0.	.1	1.5 *	1 JAN 2350 143	0.	.1	1.5 *	2 JAN 0810 243	0.	.5	2.2
1 JAN 1535 44	0.	.1	1.5 *	1 JAN 2355 144	0.	.1	1.5 *	2 JAN 0815 244	0.	.5	2.2
1 JAN 1540 45	0.	.1	1.5 *	2 JAN 0000 145	0.	.1	1.5 *	2 JAN 0820 245	0.	.5	2.2
1 JAN 1545 46	0.	.1	1.5 *	2 JAN 0005 146	0.	.1	1.5 *	2 JAN 0825 246	0.	.5	2.2
1 JAN 1550 47	0.	.1	1.5 *	2 JAN 0010 147	0.	.1	1.5 *	2 JAN 0830 247	0.	.5	2.2
1 JAN 1555 48	0.	.1	1.5 *	2 JAN 0015 148	0.	.1	1.5 *	2 JAN 0835 248	0.	.5	2.2
1 JAN 1600 49	0.	.1	1.5 *	2 JAN 0020 149	0.	.1	1.5 *	2 JAN 0840 249	0.	.5	2.2
1 JAN 1605 50	0.	.1	1.5 *	2 JAN 0025 150	0.	.1	1.5 *	2 JAN 0845 250	0.	.5	2.2
1 JAN 1610 51	0.	.1	1.5 *	2 JAN 0030 151	0.	.1	1.5 *	2 JAN 0850 251	0.	.5	2.2
1 JAN 1615 52	0.	.1	1.5 *	2 JAN 0035 152	0.	.1	1.5 *	2 JAN 0855 252	0.	.5	2.2
1 JAN 1620 53	0.	.1	1.5 *	2 JAN 0040 153	0.	.1	1.5 *	2 JAN 0900 253	0.	.5	2.2
1 JAN 1625 54	0.	.1	1.5 *	2 JAN 0045 154	0.	.1	1.5 *	2 JAN 0905 254	0.	.5	2.2
1 JAN 1630 55	0.	.1	1.5 *	2 JAN 0050 155	0.	.1	1.5 *	2 JAN 0910 255	0.	.5	2.2
1 JAN 1635 56	0.	.1	1.5 *	2 JAN 0055 156	0.	.1	1.5 *	2 JAN 0915 256	0.	.5	2.3
1 JAN 1640 57	0.	.1	1.5 *	2 JAN 0100 157	0.	.1	1.5 *	2 JAN 0920 257	0.	.5	2.3
1 JAN 1645 58	0.	.1	1.5 *	2 JAN 0105 158	0.	.1	1.5 *	2 JAN 0925 258	0.	.6	2.3
1 JAN 1650 59	0.	.1	1.5 *	2 JAN 0110 159	0.	.1	1.5 *	2 JAN 0930 259	0.	.6	2.3
1 JAN 1655 60	0.	.1	1.5 *	2 JAN 0115 160	0.	.1	1.5 *	2 JAN 0935 260	0.	.6	2.3
1 JAN 1700 61	0.	.1	1.5 *	2 JAN 0120 161	0.	.1	1.5 *	2 JAN 0940 261	0.	.6	2.3
1 JAN 1705 62	0.	.1	1.5 *	2 JAN 0125 162	0.	.1	1.5 *	2 JAN 0945 262	0.	.6	2.3
1 JAN 1710 63	0.	.1	1.5 *	2 JAN 0130 163	0.	.1	1.5 *	2 JAN 0950 263	0.	.6	2.3
1 JAN 1715 64	0.	.1	1.5 *	2 JAN 0135 164	0.	.1	1.5 *	2 JAN 0955 264	0.	.6	2.3
1 JAN 1720 65	0.	.1	1.5 *	2 JAN 0140 165	0.	.1	1.5 *	2 JAN 1000 265	0.	.6	2.3
1 JAN 1725 66	0.	.1	1.5 *	2 JAN 0145 166	0.	.1	1.5 *	2 JAN 1005 266	0.	.6	2.3
1 JAN 1730 67	0.	.1	1.5 *	2 JAN 0150 167	0.	.1	1.5 *	2 JAN 1010 267	0.	.6	2.3
1 JAN 1735 68	0.	.1	1.5 *	2 JAN 0155 168	0.	.1	1.5 *	2 JAN 1015 268	0.	.6	2.3
1 JAN 1740 69	0.	.1	1.5 *	2 JAN 0200 169	0.	.1	1.5 *	2 JAN 1020 269	0.	.6	2.3
1 JAN 1745 70	0.	.1	1.5 *	2 JAN 0205 170	0.	.1	1.5 *	2 JAN 1025 270	0.	.6	2.3
1 JAN 1750 71	0.	.1	1.5 *	2 JAN 0210 171	0.	.1	1.5 *	2 JAN 1030 271	0.	.6	2.3
1 JAN 1755 72	0.	.1	1.5 *	2 JAN 0215 172	0.	.1	1.5 *	2 JAN 1035 272	0.	.6	2.3
1 JAN 1800 73	0.	.1	1.5 *	2 JAN 0220 173	0.	.1	1.5 *	2 JAN 1040 273	0.	.6	2.3
1 JAN 1805 74	0.	.1	1.5 *	2 JAN 0225 174	0.	.1	1.5 *	2 JAN 1045 274	0.	.6	2.3
1 JAN 1810 75	0.	.1	1.5 *	2 JAN 0230 175	0.	.1	1.5 *	2 JAN 1050 275	0.	.6	2.3
1 JAN 1815 76	0.	.1	1.5 *	2 JAN 0235 176	0.	.1	1.5 *	2 JAN 1055 276	0.	.6	2.3
1 JAN 1820 77	0.	.1	1.5 *	2 JAN 0240 177	0.	.1	1.5 *	2 JAN 1100 277	0.	.6	2.3
1 JAN 1825 78	0.	.1	1.5 *	2 JAN 0245 178	0.	.1	1.5 *	2 JAN 1105 278	0.	.6	2.3
1 JAN 1830 79	0.	.1	1.5 *	2 JAN 0250 179	0.	.1	1.5 *	2 JAN 1110 279	0.	.6	2.3
1 JAN 1835 80	0.	.1	1.5 *	2 JAN 0255 180	0.	.1	1.5 *	2 JAN 1115 280	0.	.6	2.3
1 JAN 1840 81	0.	.1	1.5 *	2 JAN 0300 181	0.	.1	1.5 *	2 JAN 1120 281	0.	.6	2.3
1 JAN 1845 82	0.	.1	1.5 *	2 JAN 0305 182	0.	.1	1.5 *	2 JAN 1125 282	0.	.6	2.3
1 JAN 1850 83	0.	.1	1.5 *	2 JAN 0310 183	0.	.1	1.5 *	2 JAN 1130 283	0.	.6	2.3
1 JAN 1855 84	0.	.1	1.5 *	2 JAN 0315 184	0.	.1	1.5 *	2 JAN 1135 284	0.	.6	2.3
1 JAN 1900 85	0.	.1	1.5 *	2 JAN 0320 185	0.	.1	1.5 *	2 JAN 1140 285	0.	.6	2.3
1 JAN 1905 86	0.	.1	1.5 *	2 JAN 0325 186	0.	.1	1.5 *	2 JAN 1145 286	0.	.6	2.3
1 JAN 1910 87	0.	.1	1.5 *	2 JAN 0330 187	0.	.1	1.5 *	2 JAN 1150 287	0.	.6	2.3
1 JAN 1915 88	0.	.1	1.5 *	2 JAN 0335 188	0.	.1	1.5 *	2 JAN 1155 288	0.	.6	2.3
1 JAN 1920 89	0.	.1	1.5 *	2 JAN 0340 189	0.	.1	1.5 *	2 JAN 1200 289	0.	.6	2.4
1 JAN 1925 90	0.	.1	1.5 *	2 JAN 0345 190	0.	.1	1.5 *	2 JAN 1205 290	0.	.6	2.4
1 JAN 1930 91	0.	.1	1.5 *	2 JAN 0350 191	0.	.1	1.5 *	2 JAN 1210 291	0.	.6	2.4
1 JAN 1935 92	0.	.1	1.5 *	2 JAN 0355 192	0.	.2	1.6 *	2 JAN 1215 292	0.	.6	2.4
1 JAN 1940 93	0.	.1	1.5 *	2 JAN 0400 193	0.	.2	1.6 *	2 JAN 1220 293	0.	.6	2.4
1 JAN 1945 94	0.	.1	1.5 *	2 JAN 0405 194	0.	.2	1.7 *	2 JAN 1225 294	0.	.6	2.4
1 JAN 1950 95	0.	.1	1.5 *	2 JAN 0410 195	0.	.2	1.7 *	2 JAN 1230 295	0.	.6	2.4
1 JAN 1955 96	0.	.1	1.5 *	2 JAN 0415 196	0.	.3	1.8 *	2 JAN 1235 296	0.	.6	2.4
1 JAN 2000 97	0.	.1	1.5 *	2 JAN 0420 197	0.	.3	1.8 *	2 JAN 1240 297	0.	.6	2.4
1 JAN 2005 98	0.	.1	1.5 *	2 JAN 0425 198	0.	.3	1.9 *	2 JAN 1245 298	0.	.6	2.4
1 JAN 2010 99	0.	.1	1.5 *	2 JAN 0430 199	0.	.3	1.9 *	2 JAN 1250 299	0.	.6	2.4
1 JAN 2015 100	0.	.1	1.5 *	2 JAN 0435 200	0.	.3	1.9 *	2 JAN 1255 300	0.	.6	2.4