

**APPENDIX D:
HYDROLOGY REPORT**

**Preliminary Hydrology Report for the
East Garrison Project,
Monterey County, California**

Prepared for:

Carlson, Barbee & Gibson, Inc.

Prepared by:

Edward D. Ballman

Eric Riedner

Balance Hydrologics, Inc.

October 2003

A report prepared for:

Carlson, Barbee & Gibson, Inc.
Greg Miller, Project Manager
2603 Camino Ramon, Suite 100
San Ramon, California 94583
(925) 866-0322

**Preliminary Hydrology Report for the East Garrison Project, Monterey
County, California**

Balance Project Assignment 203035
by

Edward D. Ballman, P.E.
Civil Engineer/Hydrologist

Eric Riedner
Engineer/Hydrologist

Balance Hydrologics, Inc.
841 Folger Avenue
Berkeley, California 94710
(510) 704-1000
office@balancehydro.com

October 31, 2003

TABLE OF CONTENTS

1. INTRODUCTION.....	1
2. HYDROLOGIC SETTING.....	2
2.1 SITE DESCRIPTION.....	2
2.1.1 <i>Project location and description</i>	2
2.1.2 <i>Existing land use</i>	2
2.1.3 <i>Proposed land use</i>	3
2.2 CLIMATE.....	3
2.3 SOILS.....	4
2.4 REGIONAL HYDROLOGIC SETTING.....	4
2.5 FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD PLAIN MAPPING.....	5
2.6 EXISTING DRAINAGE PATTERNS.....	5
2.7 PROPOSED STORMWATER MANAGEMENT SYSTEM.....	6
2.8 GROUND WATER.....	7
3. STORMWATER MANAGEMENT OBJECTIVES.....	9
3.1 CONTROL OF PEAK FLOWS.....	9
3.2 GROUND-WATER RECHARGE.....	10
3.3 STORMWATER QUALITY MANAGEMENT.....	10
4. HYDROLOGIC ANALYSES FOR THE STORMWATER BASINS.....	12
4.1 TECHNICAL APPROACH.....	12
4.2 ASSUMPTIONS.....	12
4.3 RESULTS OF THE HYDROLOGIC ANALYSES.....	15
4.3.1 <i>Northern watershed</i>	15
4.3.2 <i>Southern watershed</i>	15
5. LIMITATIONS.....	16
6. REFERENCES.....	17

LIST OF TABLES

- Table 1. Historical precipitation from the Salinas River Basin rain gage, County of Monterey, California
- Table 2. Recharge and water-holding properties of surficial soils at and near East Garrison, County of Monterey
- Table 3. Designated beneficial uses in receiving waters in the vicinity of East Garrison, County of Monterey
- Table 4. Summary of post-project hydrologic parameters, East Garrison, County of Monterey
- Table 5. Summary of modeled stormwater basin parameters, East Garrison, County of Monterey

LIST OF FIGURES

- Figure 1. Location map for the East Garrison project, County of Monterey, California
- Figure 2. Existing land use and watershed boundaries, East Garrison, County of Monterey
- Figure 3. Post-project drainage areas, underground storm drain layout, and detention basin locations
- Figure 4. Soils underlying the East Garrison site, County of Monterey
- Figure 5. FEMA floodplain boundaries in the vicinity of East Garrison, County of Monterey
- Figure 6. Predicted inflow and outflow hydrographs in the southern watershed for the 100-year, 24-hour storm assuming no percolation in the basins

APPENDICES

Appendix A. Hydrology and Water Quality Policies from the Fort Ord Reuse Plan

Appendix B. Rational method existing condition peak flow calculations

Appendix C. Stormwater basin stage-storage-discharge relationships

Appendix D. HEC-1 model output using SCS methodology

1. INTRODUCTION

This report presents the preliminary hydrologic and hydraulic analyses for the stormwater management infrastructure at the proposed East Garrison project in Monterey County, California. This 244-acre residential development project is located approximately 3 miles southwest of the City of Salinas on a portion of the former Fort Ord Military Reservation.

The East Garrison site sits atop a prominent bluff that runs along the south border of the Salinas River Valley, which passes along the northern border of the former military reservation. This setting presents a number of considerations that must be addressed in the planning and design of the infrastructure to handle stormwater runoff. Consideration of key issues in this regard at an early juncture in the planning process is fundamental to developing a stormwater management strategy that meets the broadest range of needs, both locally and regionally.

This study is intended to accomplish a number of goals, including the following:

- Identify key opportunities and constraints that will impact the stormwater management strategy for the site, including consideration of complementary facilities for peak flow management and local ground-water recharge.
- Set forth clear objectives for the control of peak stormwater flows by evaluating on-site and off-site hydrologic conditions.
- Present the basis for, and calculations in support of, the initial sizing of stormwater basins to mitigate for potential increases in peak flows.
- Identify opportunities for incorporating water-quality best management practices (BMPs) for treatment of the runoff from the site.
- Set forth a drainage plan that is self-maintaining to the greatest extent practical and consistent with the appropriate design guidelines of Monterey County and the Fort Ord Reuse Plan.

2. HYDROLOGIC SETTING

2.1 Site Description

2.1.1 Project location and description

The 244-acre East Garrison project site is located in the north central portion of the former Fort Ord Military Reservation approximately 3 miles southwest of the City of Salinas and 3 miles southeast of the City of Marina as shown in Figure 1. It is bounded on the north and east by Reservation Road, on the south by Watkins Gate Road, and to the west by youth camp and open space lands. The project site lies within the planning area of the Fort Ord Reuse Authority (FORA), the agency established to direct the conversion of the former military reservation to other uses.

The primary topographical characteristic is that the site is situated near the edge of a prominent bluff that borders the Salinas River Valley as it skirts the northern portions of the former military reservation. The terrain generally slopes to the east, characterized by steeper slopes at the western end of the property with a maximum elevation of 245 feet and gentler slopes at the eastern end of the property with a minimum elevation of 115 feet¹. Just to the north and east of the property boundary is a steep bluff that drops approximately 75 feet to the floodplain of the Salinas River.

2.1.2 Existing land use

Although much of Fort Ord was not intensely developed during the periods of military use, the East Garrison site is a notable exception. Essentially all of the project area has been impacted in some way by facilities formerly used to house and train military personnel (see Figure 2). The most notable examples are the existing roads, structures and extensive structural foundations that identify the location of former and existing buildings. The impervious area associated with these buildings, parking lots, and the roads that connect them currently covers approximately 16 percent of the project area and has substantially altered the watersheds from their pre-development condition as discussed below.

It is important to note that the project site lies within two watersheds that extend beyond the limits of the property. These adjacent areas are included in the hydrologic analyses since the proposed storm drain system will need to accommodate runoff from these watersheds. The portions of these watersheds that

¹ Unless otherwise noted, all elevations are in reference to the National Geodetic Vertical Datum (NGVD) of 1929.

lie outside of the project boundary (roughly 40% of the total watershed area) consist primarily of open space and a proposed youth camp that will be developed with low-intensity uses. Land cover within the open space areas consists primarily of open oak woodlands.

2.1.3 Proposed land use

The proposed East Garrison project will include a mixed-use development consisting of both single-family and multi-family residences, retail/commercial space, an arts district, community center, and park space as shown in Figure 3. The Development Plan envisions a fairly high density in line with FORA planning concepts. In fact, the project plan reflects a density of development that is becoming increasingly common throughout California and is one of the key factors in the formulation of the stormwater management strategy for the site.

2.2 Climate

The climate characteristics of the site reflect the general Mediterranean climate of central coastal regions of California. This climate regime is characterized by cool, wet winters and warm, dry summers with occasional periods of fog. Table 1 presents climate data from the Salinas River Basin gage (located four miles to the northeast), which illustrates the general seasonal trends at the East Garrison site.

The site is situated in the lowermost reaches of the Salinas Valley, which trends to the northwest near the project site, and is located only 5 miles east of Monterey Bay. Rainfall at the site is lower than much of the surrounding region due to the relatively low elevation and lack of coastal ranges immediately inland that markedly reduce the potential for orographic (mountain-induced) precipitation. The mean annual rainfall at East Garrison is estimated to be 13.8 inches based on rainfall mapping prepared by the County of Monterey (Plate 3, Monterey County Drainage Design Manual). This contrasts with the mean annual rainfall of 21 inches in nearby Pebble Beach and 22 inches in Watsonville, which are at the same or lower elevations but are backed by the Santa Cruz and Santa Lucia ranges respectively. Although the average rainfall is quite low, the site still experiences the wide range in annual precipitation that accompanies drought years and wet years such as those related to the El Niño Southern Oscillation. The minimum annual rainfall on a water year basis was 6.0 inches in 1924. This contrasts with the maximum annual rainfall of 33.5 inches in 1998.

Annual temperature patterns are typical of coastal areas of the state, and are notably tempered by sea breezes and coastal fog coming up the valley from Monterey Bay. Nonetheless, evaporation rates are

quite high in summer, yielding a total annual evapotranspiration on the order of 46 inches, over three times the mean annual rainfall (CIMIS, 2003). In fact, evaporation rates exceed rainfall in all but the wettest winter months.

2.3 Soils

The characteristics of the surficial soils underlying East Garrison are fundamental in understanding the hydrology of the site. Figure 4 illustrates the two soil types found in the vicinity of the project as presented in the soil survey prepared by the National Resource Conservation Service² (Cook, 1978). Physical properties of these soils are summarized in Table 2. A more detailed description of the soils and geology of the site can be found in the preliminary geotechnical report (ENGEO, 2003).

The site is essentially entirely underlain by the Oceano Loamy Sand (OaD), which is characterized as a sandy soil with high rates of infiltration. This soil is classified in SCS hydrologic soil group A, with a tabulated permeability between 6.0 and 20.0 inches/hour³. The Oceano soils represent aeolian sands in stabilized dune environments. The high permeability of these soils accounts for the lack of well-developed stream networks in much of the northern portions of Fort Ord and plays a significant role in recharge to the local and regional ground-water systems.

A small portion of the site, less than one percent of the watershed's area, along the bluff at the eastern site boundary is underlain by soils classified as dissected Xerorthents (Xd). This soil is described as having varying properties and was not considered in our analysis, since no significant development is anticipated in areas with this soil.

2.4 Regional Hydrologic Setting

As mentioned previously, the project site is located directly adjacent to the floodplain of the Salinas River, approximately 8 river miles from its mouth at Monterey Bay. The Salinas River is one of the largest watersheds in central coastal California, with a watershed area at East Garrison of over 4,000 square miles.

² Formerly known as the Soil Conservation Service (SCS). The abbreviation "SCS" will be used in this report when referring to the hydrologic analysis methodology developed by the Service.

³ The SCS hydrologic soil groups divide all soil types into one of four categories on the basis of potential to produce runoff. Type A soils have the lowest runoff potential and are typically have high infiltration rates. Type D soils have the highest runoff potential and typically have low infiltration rates and/or are shallow.

Although regulated by a number of large dams in its headwaters, the river is still subject to very large seasonal and annual variations in total and peak discharge. The USGS operates a gaging station at Spreckles, roughly 5 miles upstream from East Garrison. This gage often records no flow during the summer months, while exceptionally wet winter periods can see very significant peak discharge values. The peak flow of record at this gage was approximately 95,000 cfs on March 15, 1995.

Several beneficial uses have been identified for the Salinas River in the Central Coast Basin Plan and are summarized in Table 2 (RWQCB, 1994). Additionally, it is important to note that Monterey Bay is a designated marine sanctuary with special regulations protecting the quality of its waters. Recognition of these beneficial uses and protections is an important underpinning of the proposed stormwater management strategy. For example, the BMPs that will be included in the project will be specifically designed to enhance runoff water-quality in order to protect the habitat uses identified for the lower Salinas River and the Salinas River lagoon.

2.5 Federal Emergency Management Agency (FEMA) Flood Plain Mapping

The East Garrison project site is not in a special flood hazard area (SFHA) as mapped by the Federal Emergency Management Agency. The entire site is mapped in Zone C, defined as those areas subject to minimal or no flooding. Figure 5 illustrates the latest FEMA mapping taken from the currently-effective Flood Insurance Rate Map (FIRM) panel 060195 0130 D for unincorporated areas of Monterey County dated January 30, 1984. The mapping shows that the 100-year flood water surface elevations for the Salinas River will not exceed 37 feet along the property boundary, which is well below the lowest elevation at the site.

2.6 Existing Drainage Patterns

The uplands in the northern portions of Fort Ord, especially those characterized by the Oceano soils, represent large areas of stabilized dunes built up over time by sands blown in from the ocean shore and/or the mouths of the various rivers draining into Monterey Bay. The high permeability of these soils has worked to suppress the formation of drainage networks of surface streams. In fact, many areas in the vicinity of the East Garrison site have no discernable watersheds in the traditional sense, with the limited amounts of surface runoff gathering at natural low points in the topography where it infiltrates and, to a much lesser extent, evaporates. Surface drainage pathways are often distinct only near the edge of the upland area where steeper gradients and headward erosion have created limited

swale/channel systems. Both of the above drainage types are found at the project site, which encompasses portions of two watersheds that will be referred to as the northern and southern watersheds (see Figure 2).

The northern watershed is typical of an enclosed drainage that does not have a surface release to the Salinas River. This watershed covers an area of approximately 75 acres, consisting primarily of open space with only a few paved roads. Roughly 45 acres of this watershed currently lie within the project boundary. The low-point for this watershed is located just to the west of the project near the proposed intersection of the Inter-Garrison Connector Road and Reservation Road at an elevation of 169 feet.

The southern watershed is much larger, with an area of roughly 277 acres of which 177 acres lie within the project boundary. This watershed has a defined drainage swale that receives runoff from the hills to the west and is characterized by a relatively large amount of existing impervious surfaces associated with the former U.S. Army uses at East Garrison. There are a number of existing structures, foundations, and extensive areas of pavement that cover approximately 16 percent of the watershed.

The more developed eastern portions of the site are served by a storm drain system that collects stormwater runoff from the site and carries it down the bluff and across Reservation Road in a 30-inch and a 24" storm drain line as shown in Figure 2.⁴ However, there is no significant existing infrastructure for stormwater detention, infiltration or enhancement of water quality. The two storm drain lines discharge to a ditch that borders the intensely-farmed Salinas River floodplain below Reservation Road. This ditch carries the runoff from East Garrison and any stormwater flows or excess irrigation water from the agricultural fields to an impoundment where the stormwater is stored, and then pumped to the Salinas River in a 12-inch pipe.

2.7 Proposed Stormwater Management System

The existing East Garrison storm drain system will need to be almost entirely replaced to accommodate the proposed development. Both the north and south watersheds will use a conventional gravity-flow storm drain network to collect runoff from the site and route it to new stormwater basins as shown in Figure 3.

⁴ Some storm drain infrastructure exists as far west as West Camp Road, but field inspections show that the catch basins have not been maintained for some time. Therefore, modeling and analysis of the existing hydrologic conditions assume that runoff from the areas west of Chapel Hill Road would be dominated by overland and swale flow.

Grading associated with the project will create minor shifts in the boundaries of the two watersheds. The area of the northern watershed will increase by approximately 7 acres to a total of 84 acres. The post-project watershed will consist of roughly 53 acres of residential housing and 31 acres of undeveloped open space off-site. Runoff from the developed areas will be routed to the existing sump that will serve as a stormwater basin along the western edge of the project.

The boundaries of the southern watershed will also change slightly, resulting in a 4-acre decrease in area to a total of 273 acres. The post-project southern watershed will include 171 acres of mixed-use development at its eastern end. An underground storm drain network will collect and route runoff from this watershed to two stormwater basins. There will be one basin for each of the sub-watersheds that drain into the existing storm drain lines that leave the site. An area of approximately 1.5 acres near Reservation Road is at too low an elevation to drain into the stormwater basins and constitutes a small post-project watershed that will drain directly from the site.

A large portion of the southern watershed is located outside of the project site and will not be developed as part of the proposed project. Runoff from the undeveloped western portion of the watershed, covering 102 acres of open space and youth camp lands, will be collected by a headwall and pipe at the western edge of the development and will be routed through the project to one of the two stormwater basins.

The stormwater basins are described in more detail in Sections 3 and 4.

2.8 Ground Water

A detailed examination of the local and regional ground-water systems at East Garrison is not within the scope of this report. However, several important aspects of the underlying aquifers and related ground-water management efforts have been considered in the design of the stormwater management infrastructure at the site.

East Garrison lies above the regionally-significant Salinas Valley Aquifer system that is a critical source of water for much of the surrounding area (MCWRA, 2002). This aquifer system has been pumped in excess of its sustained yield for extended periods of time. This has led to large drops in the water table and seawater intrusion along the western limits of the system, with saline water extending inland for several miles in some locations. Although the East Garrison site is several miles further inland than the

mapped extent of the seawater intrusion, it could be a valuable contributor to recharge of local aquifers and, perhaps, the regional aquifers as well.

None of the borings carried out in April 2003 as part of the preliminary geotechnical studies encountered ground water. The extent of existing impervious surfaces at the site and the lack of infrastructure to promote infiltration of rainfall and runoff present opportunities to improve and enhance groundwater infiltration through the design of the East Garrison Project Site.

3. STORMWATER MANAGEMENT OBJECTIVES

The proposed drainage infrastructure for the East Garrison project will be a conventional gravity-flow pipe system leading to three stormwater basins. An overview of the management objectives of the proposed system is useful in understanding the modeling and analyses associated with its design. These objectives were developed with careful attention to the policies outlined in the Fort Ord Reuse Plan (see Appendix A) and are discussed below.

It is important to note that the term “stormwater basin” is used here, rather than the more traditional term “detention basin”. This distinction is important at the East Garrison project, since the proposed basins will be multi-purpose basins designed to address the needs of several storm water management objectives, not just those associated with the control of peaks flows as is the case for traditional detention basins.

3.1 Control of Peak Flows

Increases in peak stormwater flows are often a concern related to development. These concerns are often warranted if the development alters site hydrology to such an extent that peak flow rates are increased significantly and if the receiving waters are susceptible to impacts related to the increased flow.

Development of areas with sandy soils can markedly alter runoff characteristics unless appropriate mitigation measures are implemented. In fact, concerns over this type of impact are clearly addressed in Hydrology and Water Quality Policy A-2 of the Reuse Plan. Control of peak flows is an integral element in the design of the stormwater basins at the East Garrison project.

The East Garrison project has been designed to meet the applicable County of Monterey standards related to the management of peak storm discharge through the use of three stormwater basins. Specifically, these standards require the peak discharge from the post-project 100-year storm to be limited to the pre-project 10-year peak flow. This is a conservative standard in that it requires a marked reduction in overall stormwater discharge, well beyond the standards in other jurisdictions that typically require no net increase in peak discharge for a specific design storm.

3.2 Ground-water Recharge

Maintaining or enhancing ground-water recharge is another primary objective of the stormwater management strategy. The importance of this issue on a regional basis is directly evident in the fact that it is the subject of Hydrology and Water Quality Policy A-1 in the Reuse Plan. In light of this, two of the proposed stormwater basins have been designed to promote the recharge of runoff from the project. Preliminary calculations show that the basins will be capable of percolating the anticipated runoff from the small to moderate-sized rainfall events that constitute the vast majority of the annual precipitation. Runoff is anticipated to leave the site for larger storm events (for example those larger than the 2-year storm), but the impact on overall recharge from the site is expected to be a net positive gain due to the large area of existing impervious surfaces and the addition of the new basins.

3.3 Stormwater Quality Management

There has recently been a growing awareness of the role played by urban stormwater runoff in the quality of receiving waters throughout California. This is reflected in the increasing attention being placed on the inclusion of stormwater quality best management practices (BMPs) in all types and sizes of projects throughout the state. Specifically, the state's Regional Water Quality Control Boards have progressively adopted more stringent guidelines on the application of BMPs with the overall goal of controlling the amount of non-point source pollutants that are discharged to the waters of the State. These concerns are also addressed in Hydrology and Water Quality Policy C-1 of the Reuse Plan.

The Central Coast Regional Water Quality Control Board (RWQCB) is currently in the process of implementing project design guidelines requiring that 85 percent of the mean annual runoff is subject to appropriate BMP measures. The East Garrison project will incorporate a suite of BMPs to reach this goal including source control, site design and structural measures. Source control BMPs will likely include regular street sweeping, chemical application guidelines for landscape management in public areas, public education materials, and stenciling of catch basins and inlets. Site design measures will include the appropriate use of reduced street widths to minimize directly-connected impervious area and the use of covered dumpsters and loading docks.

The stormwater basins will be the principal structural water-quality control measure at the site. The primary method for water-quality enhancement in the North and Southwest basins will be through percolation, which is a highly-effective removal mechanism for pollutants typically found in stormwater runoff. This mechanism is especially effective when the basins infiltrate all, or a large portion of, the incoming runoff from smaller storms, leaving little opportunity for off-site transport of constituents. Numerous studies, including the pioneering NURP studies conducted by the U.S. Geological Survey,

have shown that the pollutants from infiltrated runoff in appropriately designed basins are sequestered in the very topmost soil layers and have essentially no potential for contaminating local groundwater resources. This is especially true where appropriate pre-treatment (for example, in basin forebays) removes fine sediments that might otherwise impair the infiltration capacity of the basins.

Other structural control measures that may be utilized at the site include oil/water separators in the commercial parking areas and bioswales adjacent to portions of East Garrison Project Site. The latter BMPs are also very effective in areas such as East Garrison that have sandy soils and would be most appropriate in areas where high loadings of pollutants may occur such as parking lots and major streets.

An Operation and Maintenance Manual will be prepared for the basins to ensure their long-term performance. The manual will identify measurable parameters that can be used to assess whether the basins are operating within design guidelines consistent with achieving the overall stormwater management goals. Remedial actions will be identified to address potential deficiencies or impairments in the performance of the basins. Additionally, the routine and non-routine maintenance measures and timetables will be noted. This will include an estimate of the required cost of the monitoring and maintenance activities so that adequate funds can be identified.

4. HYDROLOGIC ANALYSES FOR THE STORMWATER BASINS

4.1 Technical Approach

Two independent hydrologic analysis methods were used to assess the required size of the stormwater basins at East Garrison. The first methodology, the rational method, was used to calculate the peak flow for the pre-project, existing condition 10-year storm, which is the target post-development peak flow for the southern watershed.⁵ These calculations were carried out using Monterey County Water Resources Agency (MCWRA) guidelines and are included as Appendix B.

One limitation of the rational method is that it provides no information on whether routing longer duration storms through the basin would still result in compliance with the peak flow criterion of not having post-development flows exceed the existing condition 10-year values. Therefore, a second approach was applied using the SCS curve number methodology (SCS, 1972) to route a representative 100-year 24-hour storm through the proposed basins. Pertinent modeling parameters for this methodology are summarized in Section 4.2 below and the modeling output for this methodology is presented in Appendix D.

4.2 Assumptions

A number of assumptions were needed to approximate the actual physical conditions that would prevail at the site. These include the following:

1. Sub-watersheds. In order to more accurately model the post-project watersheds with the SCS methodology the northern and southern watersheds were divided into sub-watersheds. The northern watershed was separated into a developed sub-watershed that drained to the basin through the storm drain network and an undeveloped sub-watershed that drained to the basin through overland flow.

The southern watershed was divided into four sub-watersheds that were defined by the proposed storm drain network. Two sub-watersheds were modeled for the southwestern stormwater basin, representing the developed and undeveloped portions of the southwestern

⁵ This would also be an appropriate design goal for the north watershed. However, the north stormwater basin, which currently exists as a local sump, will infiltrate all runoff from storms up to the magnitude of the 100-year design storm (as is currently the case). Therefore, peak flow is not a specific design criterion for the northern watershed.

watershed respectively. A single sub-watershed was modeled for the southeastern basin. The fourth sub-watershed represents the small area that will drain off the site without passing through any stormwater basin.

2. Stormwater basin parameters. Three separate stormwater basins will be included in the project and the pertinent design parameters for each are summarized in Appendix C. Final design of all the basins will include a minimum of one foot of freeboard above the predicted 100-year water surface elevation.

The northern basin will capture and infiltrate all runoff from the 84-acre post-project northern watershed. Preliminary grading designs for this basin show a total available storage volume of approximately 56 acre-feet, although only a small fraction of this total would be used.

Preliminary designs for the southwestern basin are based on a broad, gently sloping grading configuration that will accommodate athletic fields as an additional multiple use. This basin will have a total available storage volume of roughly 9.5 acre-feet. The large surface area of this basin will be ideal for promoting infiltration of runoff. The outlet from this basin will be regulated by a riser or box structure with an appropriately-sized orifice to control outflow.

The design of the southeastern basin will be different than the other basins. Located adjacent to the edge of the bluff, geotechnical investigations determined that the basin bottom should be impermeable to eliminate percolation. This will be accomplished through appropriate lining techniques and/or use of cemented soil in the basin bottom. This basin will also include a riser or box structure with an orifice to control outflow and a new pipe that will serve as an emergency spillway to convey any overflow down the bluff and past Reservation Road. The water-quality benefits of this basin will be primarily through the removal of sediments and sediment-borne constituents. The total storage volume available in this basin is 6.3 acre-feet.

3. Percolation in the stormwater basins. Special field percolation tests were carried out as part of the geotechnical studies for the project. Measured percolation rates were on the order of 4 inches/hour at the north basin site and 1 inch/hour at the southwestern basin site. Given the very large available storage in the north basin, the post-project hydrologic modeling used the measured value of 4 inches/hour, noting that the basin would function well even if actual rates are much less. However, the modeling did not explicitly include percolation for the southwestern basin. This reflects the smaller available volume of the basin and is conservative since percolation would actually reduce outflow from the basin.
4. Runoff coefficients. Runoff coefficients (C) for the undeveloped areas of the watersheds were given a value of 0.15 to reflect the high porosity of the soils. Impervious areas in the watersheds

were given a value of 0.9 and an area weighted average was taken to determine the composite C for each watershed.

5. Time of concentration. Time of concentration (t_c) for all undeveloped areas was determined using the SCS Upland method, where t_c equals the flow path length multiplied by a velocity taken from Figure 15.2 in the SCS National Engineering Handbook, Section 4, 1972. This chart takes a slope of the flow path and a classification of the flow path, in this case a grassed waterway, to give an estimated velocity.

Time of concentration for all developed areas with storm drain systems (e.g. post-project conditions) was taken to be the sum of a roof-to-gutter time of 5 minutes and the travel time in the pipe system, taken to be the piped distance divided by an average velocity of 5 feet/second.

6. Storm intensities. Storm intensities were used in the rational method to assess the pre-project existing 10-year discharge. The design storm intensities for the County of Monterey were used, which are based on mapped values for the 2-year 1-hour storm intensity. The value of the 2-year, 1-hour storm is 0.41 inches/hour from Plate 25 of the design guidelines (County of Monterey, 1977). Using the conversion factors provided in the same source, the 10-year, 1-hour storm has an intensity of 0.61 inches/hour. This value is adjusted to other times of concentration using the following formula:

$$I_t = \frac{7.75 \times i}{\sqrt{t_c}}$$

where I_t is the intensity for a storm with duration of t_c minutes, i is the appropriate 1-hour storm intensity and t_c is the time of concentration.

7. SCS design storm. The hydrograph method for sizing the detention basins used a 100-year 24-hour storm event. Charts supplied by the MCWRA, indicate that the total anticipated 100-year 24-hour rainfall at East Garrison is on the order of 3.5 inches. This rainfall was distributed using the Type 1 storm distribution per SCS guidelines (SCS, 1972).
8. SCS lag time. The lag time used in the SCS modeling was found by applying the formula:

$$t_l = 0.6 \times t_c$$

where t_l is the time lag and t_c is the time of concentration derived as for the rational method above.

4.3 Results of the Hydrologic Analyses

The post-project hydrology was modeled using the SCS methodology in the U.S. Army Corps of Engineers HEC-1 software. For the north stormwater basin, the goal of the modeling was to assess what total storage volume will be needed to contain the anticipated 100-year 24-hour storm since there will be no surface release from the basin. For the southern watershed, the goal was to identify appropriate basin designs (including preliminary outlet designs) that would reduce the 100-year peak discharge to or below the pre-project 10-year peak. The model output is included in Appendix D and is summarized in Table 5.

4.3.1 Northern watershed

The HEC-1 modeling shows that the proposed north basin will easily accommodate the 100-year 24-hour storm. In fact, the predicted maximum storage for this storm is 4.0 acre-feet, only seven percent of the total available volume. This volume is equivalent to a maximum ponded depth of roughly 3 feet under the assumption that the basin is dry at the beginning of the 100-year storm.

4.3.2 Southern watershed

The rational method calculations show that the existing 10-year flow from the southern watershed is on the order of 46 cfs. The HEC-1 modeling indicates that the post-project peak discharge for the 100-year event would be on the order of 105 cfs without the two stormwater basins to control peak outflow.

The HEC-1 modeling shows that the proposed stormwater basins are capable of reducing the 100-year storm outflow to 38 cfs, well below the existing 10-year discharge. Again, this value is conservative since no percolation is included for the southwestern basin. However, it is important to note that the final outflow value may increase slightly as a result of final design changes, but would always be below the existing peak flow rate of 46 cfs. Peak storage for the 100-year event is projected to be 3.8 acre-feet for the southwestern basin and 5.3 acre-feet for the southeastern basin.

5. LIMITATIONS

This report was prepared in general accordance with the accepted standards of practice in surface-water hydrology existing in Northern California for projects of similar scale at the time the investigations were performed. No other warranties, expressed or implied, are made.

Concepts, findings and interpretations contained in this report are intended for the exclusive use of Carlson, Barbee & Gibson, Inc., under the conditions presently prevailing except where noted otherwise. Their use beyond the boundaries of the site could lead to environmental or structural damage, and/or to noncompliance with policies, regulations or permits. The assumptions and findings in this report were developed solely for the design of storm drainage infrastructure at the site as an aid to more detailed civil engineering work. They should not be used for other purposes without great care, updating, review of analytical methods used, and consultation with Balance staff familiar with the site. Finally, we ask once again that readers who have additional pertinent information, who observed changed conditions, or who may note material errors should contact us with their findings at the earliest possible date, so that timely changes may be made.

6. REFERENCES

- California Stormwater Quality Association, 2003, Stormwater best management practice handbook: new development and redevelopment
- Central Coast Regional Water Quality Control Board, 1994, Water quality control plan for the central coastal basin (basin plan)
- Cook, T.D., 1978, Soil Survey of Monterey County, California: U.S. Department of Agriculture, Washington, D.C. 228 p. + maps and appendices.
- EMC Planning Group, Inc. and EDAW, Inc., 1997, Fort Ord reuse plan, Volume 2: reuse plan elements: report prepared for the Fort Ord Reuse Authority
- ENGEO, 2003, Preliminary geotechnical exploration, East Garrison, Fort Ord – Phase I: report prepared for Urban Community Partners, LLC, 52 p. + figures and appendices.
- Federal Emergency Management Agency (FEMA), 1984, Flood Insurance Rate Map, Monterey County, California, Unincorporated Areas, Panel 485 of 1025: Washington, D.C. Community Panel Number 060195 0485 D effective January 30, 1984.
- McCuen, R.H., 1989, Hydrologic analysis and design: Prentice Hall, Englewood Cliffs, New Jersey, 867 p.
- Monterey County Public Works, 1977, Rainfall intensities chart: Salinas, California, plate number 25.
- Soil Conservation Service, 1972, SCS national engineering handbook, Section 4, hydrology: U.S. Department of Agriculture, Washington, D.C.

TABLES

Table 1. Historical precipitation from the National Weather Service Salinas River Basin rain gage, Monterey County, California

Month	Precipitation (inches)
October	2.91
November	2.43
December	2.09
January	1.02
February	0.38
March	0.09
April	0.03
May	0.04
June	0.18
July	0.55
August	1.37
September	2.46
Mean Annual	13.55

Notes:

These values are presented to illustrate the relative monthly distribution of total rainfall. Monthly and yearly values at the East Garrison site, located 4 miles to the southwest, will differ slightly from these values since the mean annual precipitation at the Salinas gage is approximately 0.2 inches higher than East Garrison. Values for precipitation are from the record for the period from January 1905 to May 2003 with several months missing data.

Table 2 . Recharge and water-holding properties of surficial soils at and near East Garrison, Monterey County, California

Map Symbol	Soil Series	Hydrologic Soil Group	Depth Zone	USCS	Atterberg Limits		Permeability	Available Water Capacity		React
					Liquid	Plastic		Per Inch	Profile	
			(in)				(in/hr)	(in./in. of soil)	(total, in)	(pH)
OaD	Oceano loamy sand 2-15% slopes		0-80	SP-SM	-	non-plastic	6.0-20.0	0.05-0.08	5.20	5.6-7
Xd	Xerorthents, dissected	na	0-60	Variable Properties - Not estimated in soil survey						

Notes:

- 1) Information taken from the most-recent USDA soil survey for the area.
- 2) This soil survey generally does not distinguish areas smaller than about 20 to 40 acres, so that wetlands, alluvium, or swale fills smaller than 10 to 20 will not be mapped.
- 3) USCS = Unified Soils Classification System, commonly used in geotechnical or soil-foundation investigations, and in routine engineering geologic logging.
- 4) Available water capacity is the held water available for use by most plants, usually defined as the difference

Table 3. Existing beneficial uses of receiving waters in the vicinity of East Garrison, County of Monterey, California

	Salinas River d/s of Spreckels Gage	Salinas River Refuge Lagoon (South)	Salinas River Lagoon (North)
Municipal and Domestic Supply (MUN)	E		
Agricultural Supply (AGR)	E		
Industrial Process Supply (PRO)			
Industrial Service Supply (IND)			
Groundwater Recharge (GWR)			
Contact Water Recreation (REC-1)		E	E
Non-contact Water Recreation (REC-2)	E	E	E
Wildlife Habitat (WILD)	E	E	E
Cold Freshwater Habitat (COLD)	E	E	E
Warm Freshwater Habitat (WARM)	E	E	E
Migration of Aquatic Organisms (MIGR)	E	E	E
Fish Spawning (SPWN)			E
Preservation of Biological Habitats of Special Significance (BIOL)		E	E
Rare, Threatened, or Endangered Species (RARE)		E	E
Estuarine Habitat (EST)			E
Freshwater Replenishment (FRESH)	E		
Navigation (NAV)			
Hydropower Generation (POW)			
Ocean, Commercial and Sport Fishing (COMM)	E	E	E
Aquaculture (AQUA)			
Inland Saline Water Habitat (SAL)			
Shellfish Harvesting (SHELL)		E	E

Notes:

"E" indicates existing beneficial uses and "P" denotes potential beneficial uses.
 Information taken from the San Francisco Bay Basin (Region 3) Water Quality Control Plan (RWQCB, 1994).

Table 4 . Summary of post-project hydrologic parameters, East Garrison, Monterey County, California

Watershed	Area <i>acres</i>	Area <i>sq. miles</i>	Curve Number	Percent Impervious	Time Lag <i>minutes</i>	Time Lag <i>hours</i>
Southwest Undeveloped	101.5	0.159	36	2	17.8	0.296
Southwest Developed	90.4	0.141	36	55	9.9	0.165
Southeast Detained	79.2	0.124	36	45	9.9	0.165
Southeast Undetained	1.5	0.002	36	70	3.6	0.060
North Undeveloped	30.6	0.048	36	5	3.2	0.053
North Developed	53.1	0.083	36	47	6.6	0.110

Notes:

These values derived using the SCS curve number methodology based on watershed characteristics including soil type and land cover.

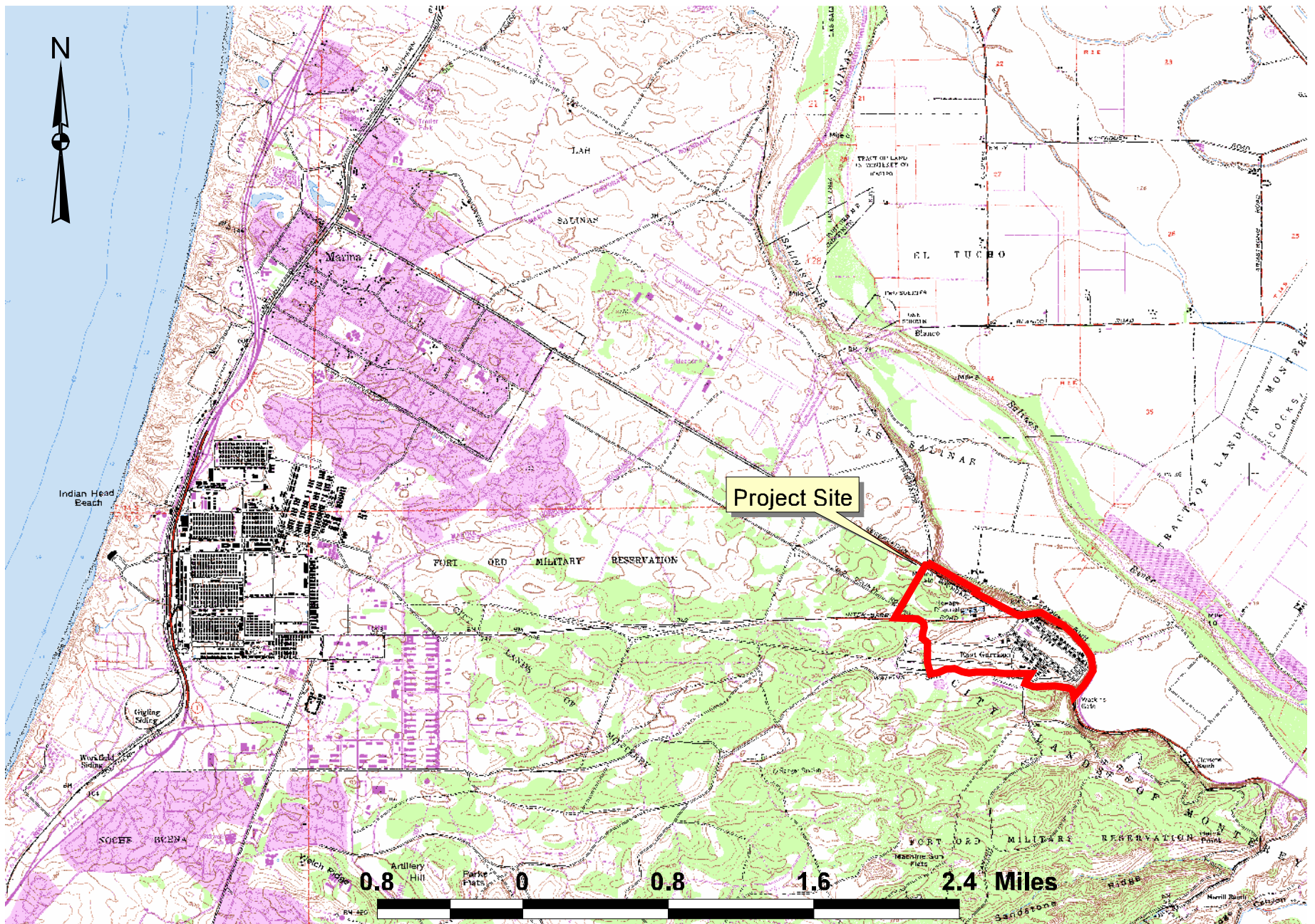
These parameters apply to routing of the 100-year design storm through the proposed stormwater basin.

Table 5. Summary of modeled stormwater basin parameters, East Garrison, County of Monterey

	Total Storage <i>acre-feet</i>	Maximum 100-year Inflow <i>cfs</i>	Maximum 100-year Outflow <i>cfs</i>	Maximum Storage <i>acre-feet</i>	Maximum Water Surface Elevation <i>feet</i>
North Basin	56.3	32.2	None	4.0	172.0
Southeast Basin	6.3	37.5	6.2	5.3	126.3
Southwest Basin	9.5	66.5	31.2	3.8	164.8

All values except total basin storage volume result from HEC-1 modeling of the respective watersheds for a 100-year 24-hour storm event with a total precipitation of 3.5 inches. All basins provide a minimum of 1-foot of freeboard above the calculated 100-year water surface elevation. Percolation is only included in the modeling of the North Basin, which will contain and infiltrate the entire runoff from the 100-year event.

FIGURES



**Balance
Hydrologics, Inc.**

**Figure 1. Location map for the East Garrison project,
County of Monterey, California**

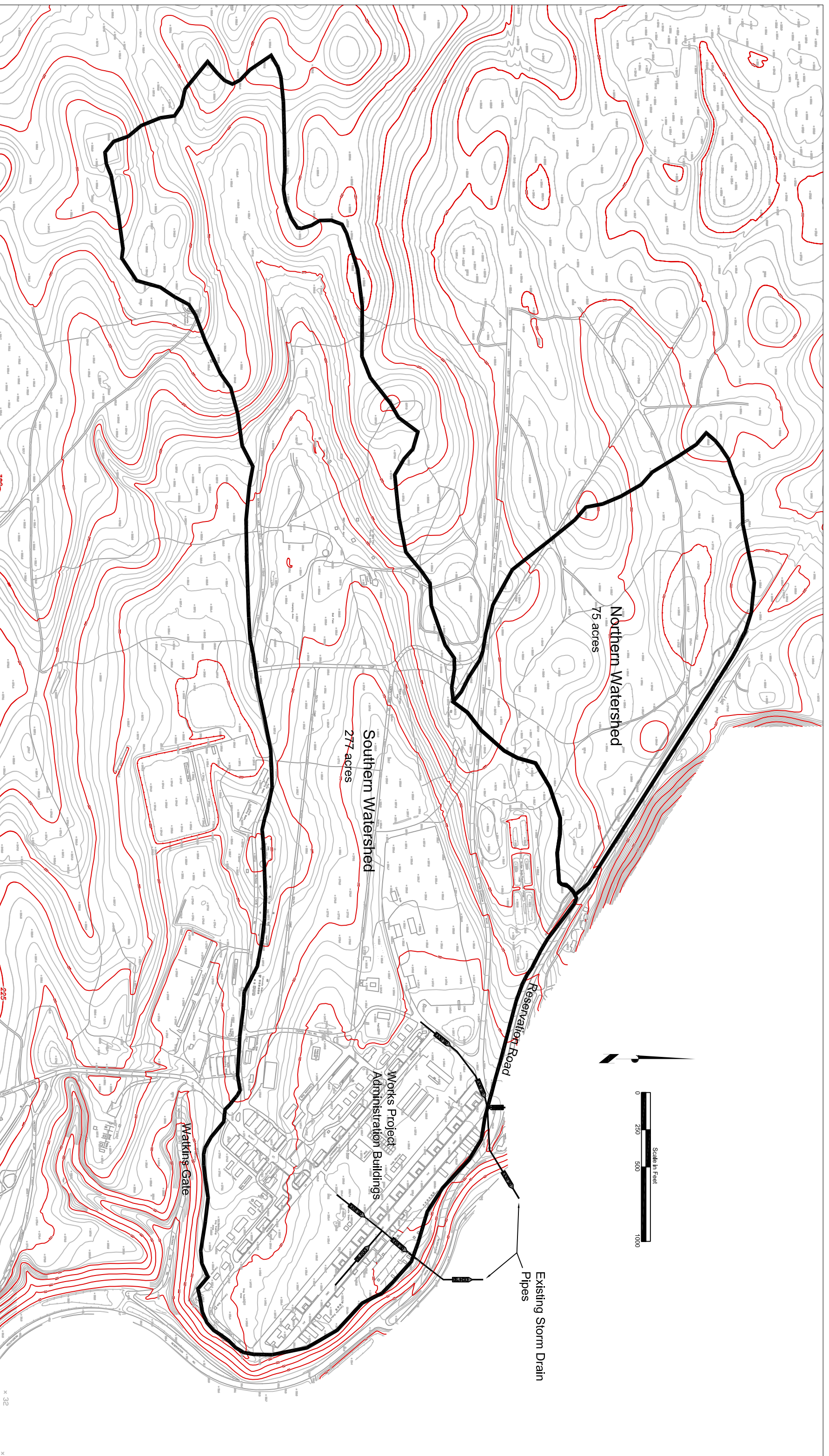


Figure 2. Existing land use and watershed boundaries, East Garrison, County of Monterey

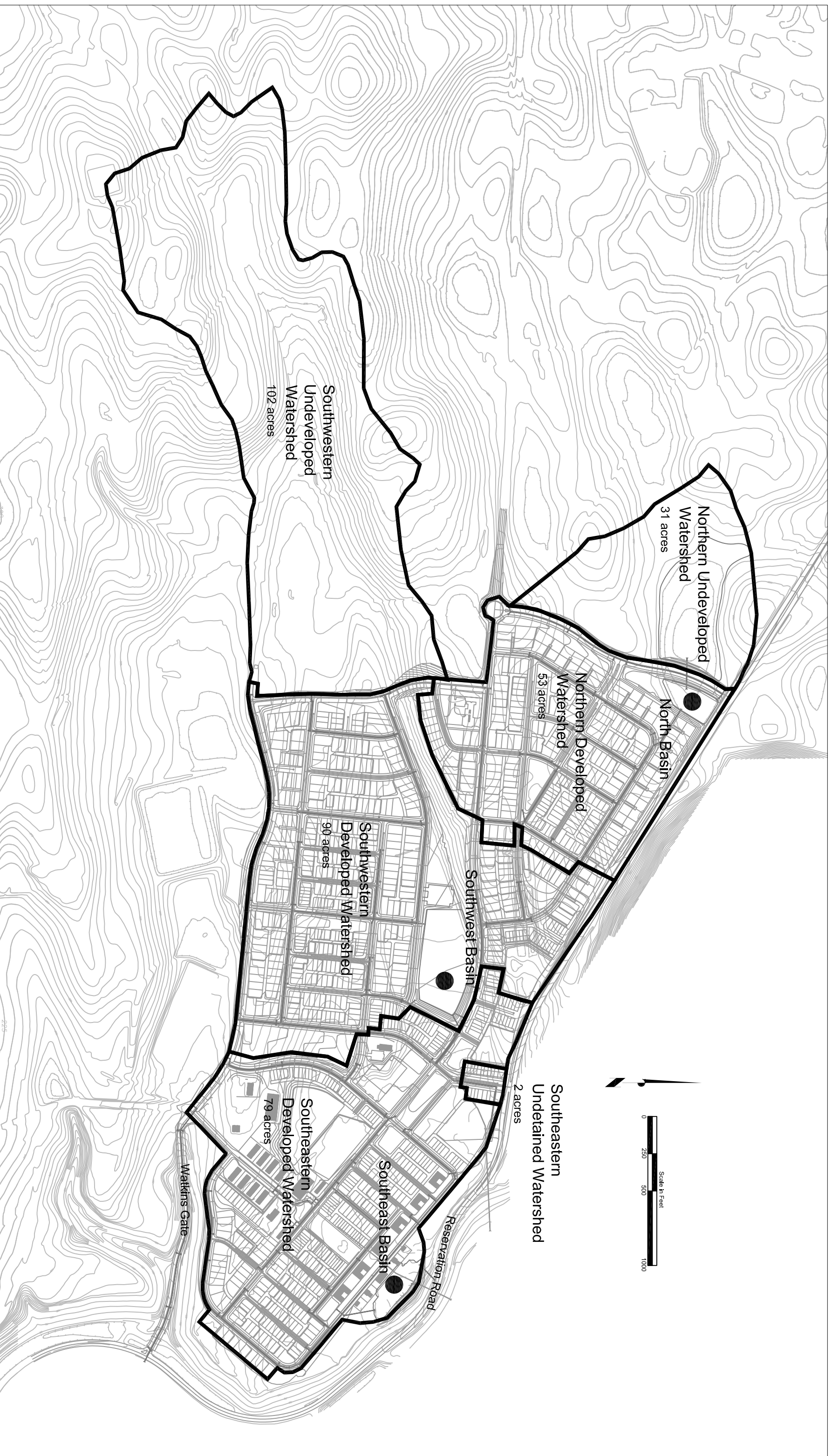


Figure 3. Post-project drainage areas, underground storm drain layout, and detention basin locations, East Garrison, County of Monterey

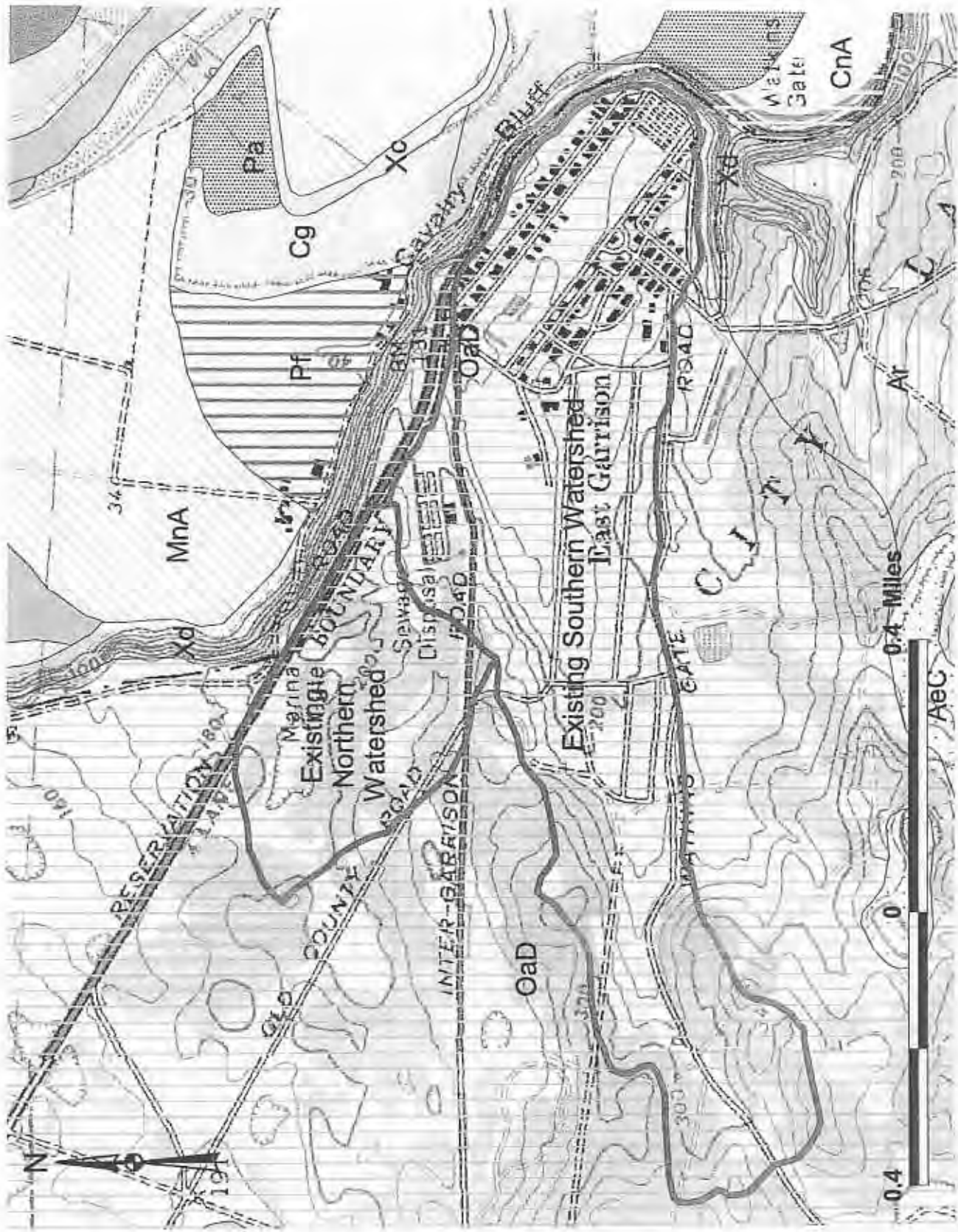


Figure 4. Soils underlying the East Garrison site, County of Monterey

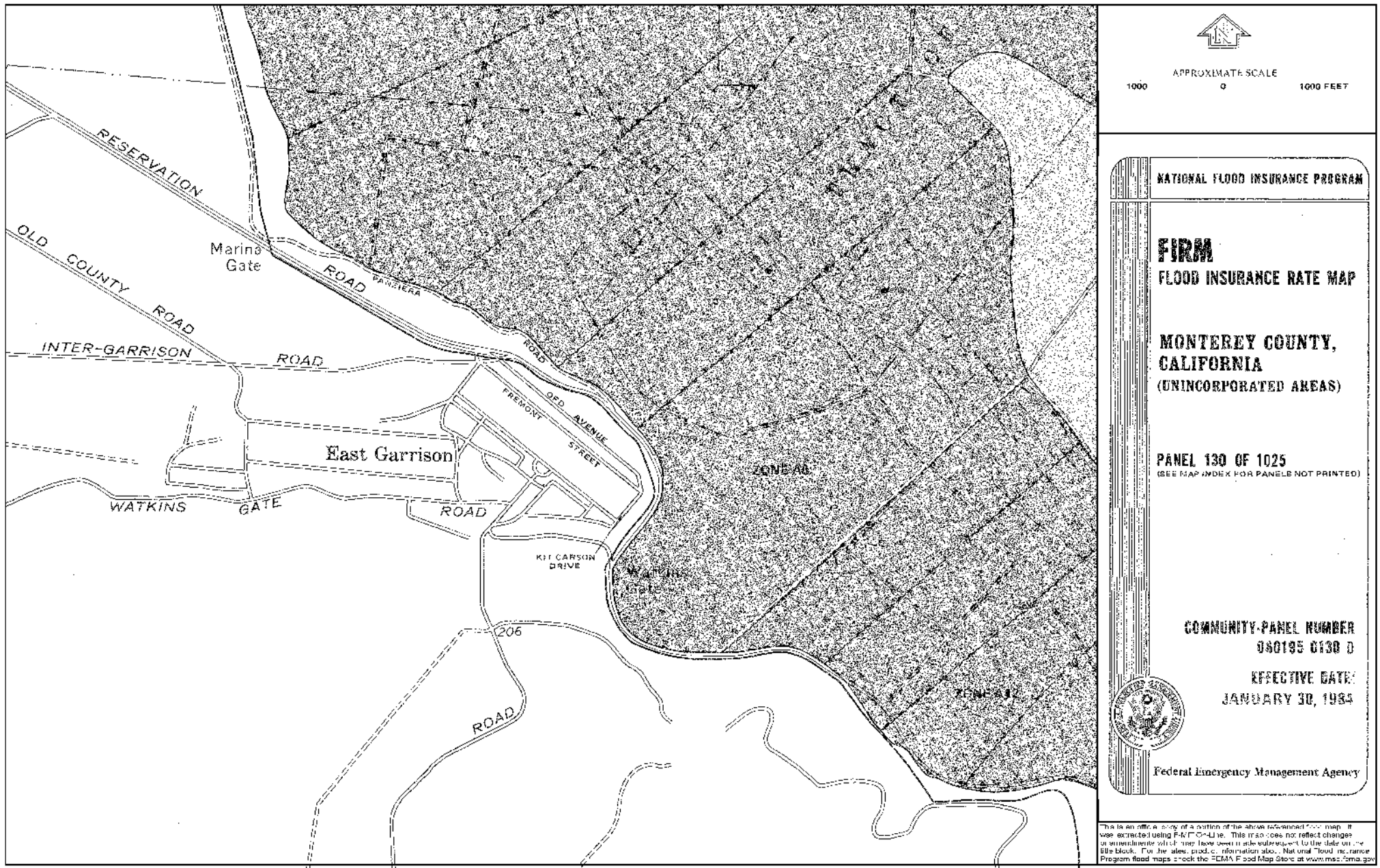


Figure 5. FEMA floodplain boundaries in the vicinity of East Garrison, Monterey County

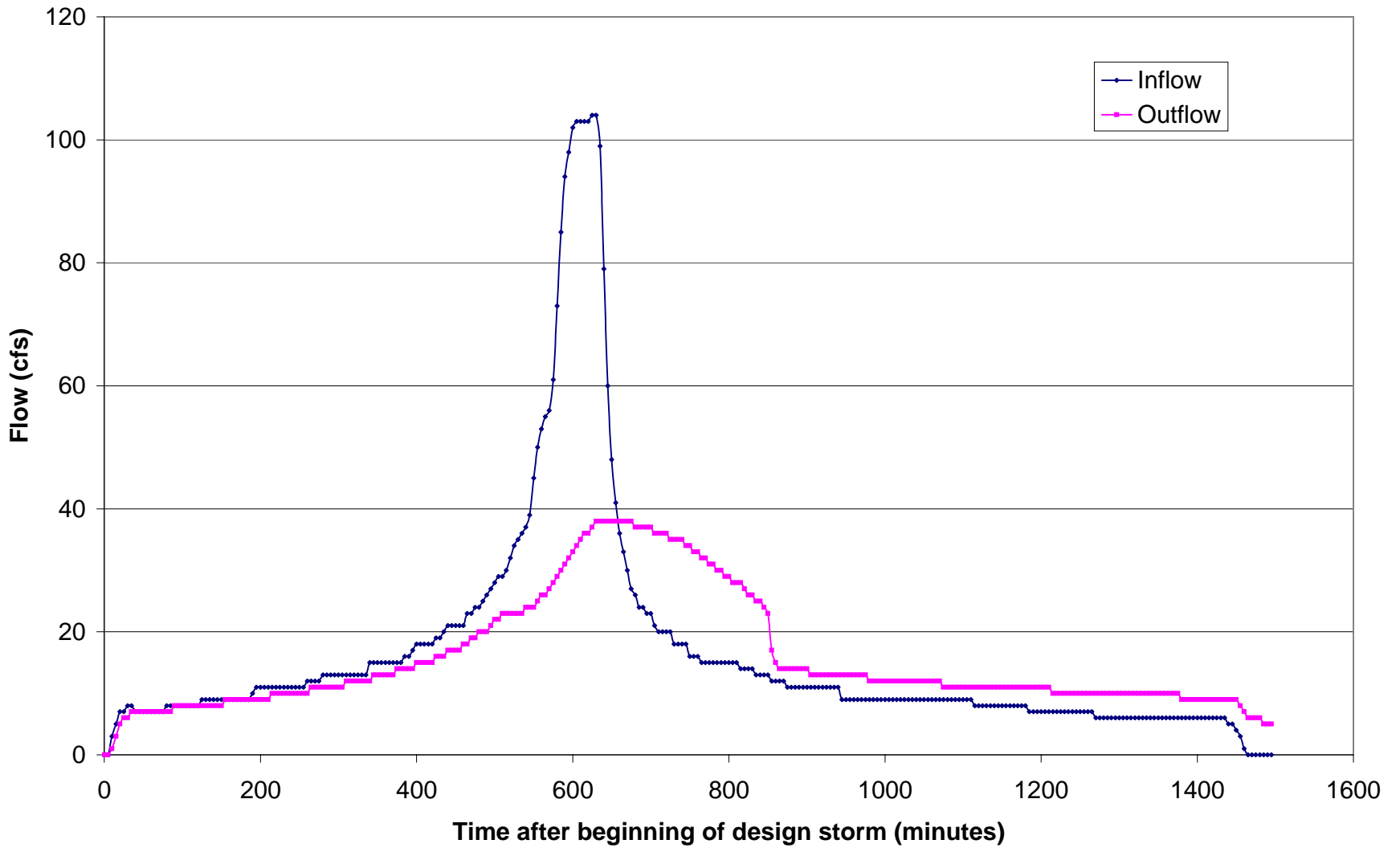


Figure 6. Predicted inflow and outflow hydrographs in the southern watershed for the 100-year, 24-hour storm assuming no percolation in the basins

**The Following Appendices to Balance Hydrologics, Inc.'s Hydrology Report
Are Available for Review at the
Monterey County Planning and Building Inspection Department:**

- Appendix A: Hydrology and Water Quality Policies from
the Ford Ord Reuse Plan
- Appendix B: Rational Method Existing Condition Peak
Flow Calculations
- Appendix C: Stormwater Basin Stage-Storage-Discharge
Relationships
- Appendix D: HEC-1 Model Output Using SCS
Methodology

APPENDICES

APPENDIX A

Hydrology and Water Quality Policies from the Fort Ord Reuse Plan



Program B-2.1: If so provided, the County shall specify in its mineral resource protection zoning district a requirement that provides sufficient buffers between mining activities and incompatible adjacent land uses.

Program B-2.2: If so provided, the County shall specify in its mineral resource protection zoning district those uses that are deemed compatible with mining activities.

Soils and Geology Policy B-3: Prior to granting permits for operation, the County shall require that mining and reclamation plans be prepared for all proposed mineral extraction operations.

Program B-3.1: The County shall develop and make available a list of issues to be considered and mitigated in mining and reclamation plans, including, but not limited to, the following: buffering, dust control, erosion control, protection of water quality, noise impacts, access, security, and reclamation.

Soils and Geology Policy B-4: The County shall require the posting of bonds for new mining permits if it determines that such a measure is needed to guarantee the timely and faithful performance of mining and reclamation plans.

Objective C: Strive to conserve soils that rare species or plant communities are dependent on or strongly associated with.

Soils and Geology Policy C-1: The County shall support and encourage existing state and federal soil conservation and restoration programs within its borders.

Soils and Geology Policy C-2: The County shall consider the compatibility with existing soil conditions of all habitat restoration, enhancement, and preservation programs undertaken within the County.

Program C-2.1: The County shall require that the land recipients of properties within the former Fort Ord implement the Fort Ord Habitat Management Plan.

4.4.2 Hydrology and Water Quality

4.4.2.1 Summary of Existing Conditions

Following is a brief discussion of the hydrology and surface water and groundwater quality at the former Fort Ord. A more detailed discussion of these systems can be found in the setting sections in Volume I of the Fort Ord Disposal and Reuse Final Environmental Impact Statement (U.S. Army Corps of Engineers, Sacramento District 1993) and the Fort Ord Disposal and Reuse Draft Supplemental Environmental Impact Statement (U.S. Army Corps of Engineers, Sacramento District 1995).

Surface Water Hydrology: The former Fort Ord, located between the Salinas and Carmel River watersheds, covers an area of approximately 44 square miles. The area has a moderate Mediterranean climate, receiving 90% of its 14.2 inches of annual precipitation from November through April. The topography of the former Fort Ord is characterized by stabilized sand dunes in the western half



of the base, transitioning to rolling hills and canyons in the eastern half. The sandy soils in the western half of the base are highly permeable and absorb much of the rainfall and runoff without forming distinct creek channels. The streams in the canyons in the eastern part of the base are small and intermittent. A number of creeks drain into the Salinas River. Canyon Del Rey drains the southern portion of the base and empties into Monterey Bay, a designated national marine sanctuary.

Groundwater Hydrology: Three distinct geological and hydrological regions exist at the former Fort Ord (see Figure 4.5-1 in Volume I of the final EIS). The northwest part of the former Fort Ord overlies a small part of the Salinas Valley groundwater basin. The 180-foot aquifer is the shallowest of the aquifers in the former Fort Ord used for water supply. Beneath the 180-foot aquifer are two deeper aquifer zones referred to as the 400-foot and 900-foot aquifers. Historically, most pumpage from Fort Ord and the City of Marina came from the 180-foot aquifer, and by the early 1980s, seawater intrusion caused by pumping extended approximately 2.5 miles into the aquifer. Intrusion has stabilized since the 1980s as the result of decreases in the number of Army personnel, conservation, changes in well depths and locations, and drought-related decreases in total pumpage.

The southwest part of the former Fort Ord overlies the Seaside groundwater basin. The only pumpage from this basin by the former Fort Ord is for irrigation at the golf course. Most of the remaining pumpage is by municipal wells in Seaside and Sand City. With the exception of one shallow well near the shoreline, seawater has not intruded into wells in this basin.

The geological formations of the eastern part of the former Fort Ord, although less permeable than the sands of the western part, are capable of supporting water wells. The recharge that occurs in the eastern part of the former Fort Ord contributes groundwater inflow to the western part.

Surface Water Quality: Surface water quality of drainage channels within the base varies with the seasons. During the first strong rains of the season, ditches and storm drainage systems draining the urban areas of the base receive the highest concentration of urban pollutants, such as oils, grease, heavy metals, pesticide residues, and coliform bacteria. In general, surface waters of this region are hard and high in total dissolved solids. Streams may contain elevated levels of sulfates, bicarbonates, calcium, magnesium, and sodium, depending on local conditions. Urban stormwater runoff discharging into the ocean may also locally impair coastal water quality.

Monterey Bay is designated as a national marine sanctuary. Under this designation, resource protection is assigned a higher priority than research, education programs, and visitor use. The Marine Protection, Research, and Sanctuaries Act of 1972 requires a management plan to protect the sanctuary's resources.

Groundwater Quality: Groundwater quality within the former Fort Ord is variable, depending on the location and depth of the well. Seawater intrusion from groundwater pumping has caused the water to be unacceptable for drinking



in most wells in the 180-foot and 400-foot aquifers in the Main Garrison area. Recent water quality data for other active and standby potable supply wells in the East Garrison area and the golf course well in the Seaside basin have shown some concentrations of dissolved solids that exceed the recommended limit for drinking water. However, water from wells with high salinity can be blended with higher quality water to meet drinking water standards.

Water Supply and Demand: Wells provide the sole source of water supply for the former Fort Ord. The main potable supply wells are located in the Salinas Valley groundwater basin, and the golf course well is located in the Seaside basin.

Safe yield is the amount of groundwater that can be pumped annually on a long-term basis without causing undesirable effects. The worst of these potential effects in the Fort Ord area are excessive drawdown and seawater intrusion. The concept of safe yield is usually applied to an entire groundwater basin. However, overdraft can result in seawater intrusion locally, with other parts of the basin maintaining a positive groundwater balance. In the Salinas Valley groundwater basin, recent historical pumpage in the former Fort Ord exceeded safe yield, as indicated by seawater intrusion and water levels below sea level. The safe yield of the Seaside basin in the vicinity of Fort Ord approximately equals historical pumpage, and any increase in pumpage in the southern part of the former Fort Ord could cause total pumpage to exceed the Seaside basin's safe yield. The imbalance between supply and demand has caused local agencies to pursue water conservation measures and additional water supplies, including importation of water from inland parts of the Salinas Valley groundwater basin and a desalination plant.

Fort Ord Reuse Authority Water Supply: The Monterey County Water Resources Agency (MCWRA) has agreed that 6,600 acre-feet (AF) of water can be pumped each year at the former Fort Ord provided that such withdrawals do not aggravate or accelerate the existing seawater intrusion. It is expected that the Army will retain 1,500 AF of water for its own use, leaving 5,100 AF for other uses provided for by the Fort Ord Reuse Plan. It is unknown at this time whether the remaining 5,100 AF will be assigned in advance to specific uses or jurisdictions or distributed on a first-come, first-served basis.

4.4.2.2 Objectives

Objective A: Protect and preserve watersheds and recharge areas, particularly those critical for the replenishment of aquifers.

Because groundwater provides the sole source of water supply to the former Fort Ord, replenishment of the groundwater aquifer from precipitation and surface water sources is critical. The suitability of areas for groundwater recharge at the former Fort Ord is limited by a number of factors, including topography; soil type; the amount of impervious surfaces; and the Salinas Valley Aquiclude, an extensive clay layer that underlies a portion of the dune sand deposits. The value of the former Fort Ord's recharge and watershed areas for groundwater recharge should be considered when considering development plans for the former Fort Ord.



Objective B: Eliminate long-term groundwater overdraft as soon as practicably possible.

When the demand for groundwater exceeds the safe yield of an aquifer either locally or throughout a basin, groundwater overdraft occurs. Groundwater overdraft causes a series of related problems, including seawater intrusion. Wells that are encountered by the intruding seawater become contaminated and can no longer be used for domestic or agricultural uses. As noted earlier in the "Summary of Existing Conditions" section, seawater intrusion from groundwater pumping has occurred in the Salinas Valley groundwater basin. Those responsible for determining the allocation of water resources in the former Fort Ord and the location and nature of development activities need to consider the magnitude of available water resources, especially the safe yield of the aquifers.

Objective C: Control nonpoint and point water pollution sources to protect the adopted beneficial uses of water.

As discussed above in the "Summary of Existing Conditions" section, two important water quality issues for the former Fort Ord are related to Monterey Bay's designation as a national marine sanctuary and the effect of seawater intrusion on groundwater quality and drinking water supplies. Surface water and groundwater quality impacts can be minimized through compliance with existing federal, state, and local programs aimed at controlling nonpoint and point source discharges affecting the quality of surface water and groundwater, and by controlling the type, location, and intensity of development that occurs at the former Fort Ord.

4.4.2.3 Policies and Programs

City of Marina

Objective A: Protect and preserve watersheds and recharge areas, particularly those critical for the replenishment of aquifers.

Hydrology and Water Quality Policy A-1: At the project approval stage, the City shall require new development to demonstrate that all measures will be taken to ensure that runoff is minimized and infiltration maximized in groundwater recharge areas.

Program A-1.1: The City shall develop and make available a description of feasible and effective best management practices and site drainage designs that shall be implemented in new development to ensure adequate stormwater infiltration.

Objective B: Eliminate long-term groundwater overdrafting as soon as practicably possible.

Hydrology and Water Quality Policy B-1: The City/County shall ensure additional water supply.



Program B-1.1: [This program was removed based on the listing of modifications to the Reuse Plan approved by the FORA Board on June 13, 1997.]

Program B-1.2: The City/County shall work with FORA and the MCWRA to determine the feasibility of developing additional water supply sources for the former Fort Ord, such as water importation and desalination, and actively participate in implementing the most viable option(s).

Program B-1.3: The City/County shall adopt and enforce a water conservation ordinance developed by the Marina Coast Water District.

Program B-1.4: The City/County shall continue to actively participate in and support the development of "reclaimed" water supply sources by the water purveyor and the MRWPCA to insure adequate water supplies for the former Fort Ord.

Program B-1.5: The City/County shall promote the use of on-site water collection, incorporating measures such as cisterns or other appropriate improvements to collect surface water for in-tract irrigation and other non-potable use.

Program B-1.6: The City/County shall work with FORA to assure the long-range water supply for the needs and plans for the reuse of the former Fort Ord.

Program B-1.7: The City/County, in order to promote FORA's DRMP, shall provide FORA with an annual summary of the following: 1) the number of new residential units, based on building permits and approved residential projects, within its former Fort Ord boundaries and estimate, on the basis of the unit count, the current and projected population. The report shall distinguish units served by water from FORA's allocation and water from other available sources; 2) estimate of existing and projected jobs within its Fort Ord boundaries based on development projects that are on-going, completed, and approved; and 3) approved projects to assist FORA's monitoring of water supply, use, quality, and yield.

Hydrology and Water Quality Policy B-2: The City shall condition approval of development plans on verification of an assured long-term water supply for the projects.

Objective C: Control nonpoint and point water pollution sources to protect the adopted beneficial uses of water.

Hydrology and Water Quality Policy C-1: The City shall comply with all mandated water quality programs and establish local water quality programs as needed.

Program C-1.1: The City shall comply with the nonpoint pollution control plan developed by the California Coastal Commission and the State Water Resources Control Board (SWRCB), pursuant to Section 6217 of the Federal Coastal Zone Management Act Reauthorization Amendments of 1990, if any stormwater is discharged into the ocean.



Program C-1.2: The City shall comply with the General Industrial Storm Water Permit adopted by the SWRCB in November 1991 that requires all storm drain outfalls classified as industrial to apply for a permit for discharge.

Program C-1.3: The City shall comply with the management plan to protect Monterey Bay's resources in compliance with the Marine Protection, Research, and Sanctuaries Act of 1972, as amended, and its implementing regulations.

Program C-1.4: The City shall develop and implement a surface water and groundwater quality monitoring program that includes new domestic wells, to detect and solve potential water quality problems, including drinking water quality.

Program C-1.5: The City shall support the County in implementing a hazardous substance control ordinance that requires that hazardous substance control plans be prepared and implemented for construction activities involving the handling, storing, transport, or disposal of hazardous waste materials.

Program C-1.6: The City shall develop a program to identify wells that contribute to groundwater degradation. The City shall require that these wells be repaired or destroyed by the property owner according to state standards. These actions shall be reviewed and approved by the Monterey County Environmental Health Department (MCEHD).

Hydrology and Water Quality Policy C-2: At the project approval stage, the City shall require new development to demonstrate that all measures will be taken to ensure that on-site drainage systems are designed to capture and filter out urban pollution.

Program C-2.1: The City/County shall develop and make available a description of feasible and effective measures and site drainage designs that will be implemented in new development to minimize water quality impacts.

Hydrology and Water Quality Policy C-3: The MCWRA and the City shall cooperate with MCWRA and MPWMD to mitigate further seawater intrusion based on Salinas Valley Basin Management Plan.

Program C-3.1: The City shall continue to work with the MCWRA and the MPWMD to estimate the current safe yield within the context of the Salinas Valley Basin Management Plan for those portions of the former Fort Ord overlying the Salinas Valley and the Seaside groundwater basins to determine available water supplies.

Program C-3.2: The City shall work with MCWRA and MPWMD to determine the extent of seawater intrusion into the Salinas Valley and Seaside groundwater basins in the context of the Salinas Valley Basin Management Plan, and shall participate in implementing measures to prevent further intrusion.

Program B.1-2: See description of this program above.

Program B.1-3: See description of this program above.



Hydrology and Water Quality Policy C-4: The City shall prevent siltation of waterways, to the extent feasible.

Program C-4.1: The City, in consultation with the Natural Resources Conservation Service, shall develop a program that will provide, to every landowner, occupant, and other appropriate entities information concerning vegetation preservation and other best management practices that would prevent siltation of waterways in or downstream of the former Fort Ord.

Program A-2.1: See description of this program in the Conservation Element.

Program A-2.2: See description of this program in the Conservation Element.

Program A-2.3: See description of this program in the Conservation Element.

Hydrology and Water Quality Policy C-5: The City shall support all actions necessary to ensure that sewage treatment facilities operate in compliance with waste discharge requirements adopted by the California Regional Water Quality Control Board.

Hydrology and Water Quality Policy C-6: In support of Monterey Bay's national marine sanctuary designation, the City shall support all actions required to ensure that the bay and intertidal environment will not be adversely affected, even if such actions would exceed state and federal water quality requirements.

Program C-6.1: The City shall work closely with other Fort Ord jurisdictions and the CDPR to develop and implement a plan for stormwater disposal that will allow for the removal of the ocean outfall structures and end the direct discharge of stormwater into the marine environment. The program must be consistent with State Park goals to maintain the open space character of the dunes, restore natural landforms, and restore habitat values.

Hydrology and Water Quality Policy C-7: The City shall condition all development plans on verification of adequate wastewater treatment capacity.

City of Seaside

Objective A: Protect and preserve watersheds and recharge areas, particularly those critical for the replenishment of aquifers.

Hydrology and Water Quality Policy A-1: At the project approval stage, the City shall require new development to demonstrate that all measures will be taken to ensure that runoff is minimized and infiltration maximized in groundwater recharge areas.

Program A-1.1: The City shall develop and make available a description of feasible and effective best management practices and site drainage designs that shall be implemented in new development to ensure adequate stormwater infiltration.

Program A-1.2: A Master Drainage Plan should be developed for the Fort Ord property to assess the existing natural and man-made drainage facilities, recommend area-wide improvements based on the approved Reuse Plan and



develop plans for the control of storm water runoff from future development, including detention/retention and enhanced percolation to the ground water. This plan shall be developed by the FORA with funding for the plan to be obtained from future development. All Fort Ord property owners (federal, state, and local) shall participate in the funding of this plan. Reflecting the incremental nature of the funding source (i.e., development), the assessment of existing facilities shall be completed first and by the year 2001. This shall be followed by recommendations for improvements and an implementation plan to be completed by 2003.

Objective B: Eliminate long-term groundwater overdrafting as soon as practicably possible.

Hydrology and Water Quality Policy B-1: The City shall ensure additional water to critically deficient areas.

Program B-1.2: See description of this program under Marina above.

Program B-1.3: See description of this program under Marina above.

Program B-1.4: See description of this program under Marina above.

Program B-1.5: See description of this program under Marina above.

Program B-1.6: See description of this program under Marina above.

Program B-1.7: See description of this program under Marina above.

Hydrology and Water Quality Policy B-2: The City shall condition approval of development plans on verification of an assured long-term water supply for the projects.

Objective C: Control nonpoint and point water pollution sources to protect the adopted beneficial uses of water.

Hydrology and Water Quality Policy C-1: The City shall comply with all mandated water quality programs and establish local water quality programs as needed.

Program C-1.1: The City shall comply with the nonpoint pollution control plan developed by the California Coastal Commission and the State Water Resources Control Board (SWRCB), pursuant to Section 6217 of the Federal Coastal Zone Management Act Reauthorization Amendments of 1990, if any stormwater is discharged into the ocean.

Program C-1.2: The City shall comply with the General Industrial Storm Water Permit adopted by the SWRCB in November 1991 that requires all storm drain outfalls classified as industrial to apply for a permit for discharge.

Program C-1.3: The City shall comply with the management plan to protect Monterey Bay's resources in compliance with the Marine Protection, Research, and Sanctuaries Act of 1972, as amended, and its implementing regulations.

Program C-1.4: The City shall develop and implement a surface water and groundwater quality monitoring program that includes new domestic wells, to



detect and solve potential water quality problems, including drinking water quality.

Program C-1.5: The City shall support the County in the implementing of a hazardous substance control ordinance that requires that hazardous substance control plans be prepared and implemented for construction activities involving the handling, storing, transport, or disposal of hazardous waste materials.

Program C-1.6: The City shall develop a program to identify wells that contribute to groundwater degradation. The City shall require that these wells be repaired or destroyed by the property owner according to state standards. These actions shall be reviewed and approved by the Monterey County Environmental Health Department (MCEHD).

Hydrology and Water Quality Policy C-2: At the project approval stage, the City shall require new development to demonstrate that all measures will be taken to ensure that on-site drainage systems are designed to capture and filter out urban pollution.

Program C-2.1: The City shall develop and make available a description of feasible and effective measures and site drainage designs that will be implemented in new development to minimize water quality impacts.

Hydrology and Water Quality Policy C-3: The MCWRA and the City shall cooperate with MCWRA and MPWMD to mitigate further seawater intrusion based on Salinas Valley Basin Management Plan.

Program C-3.1: The City shall continue to work with the MCWRA and the MPWMD to estimate the current safe yield within the context of the Salinas Valley Basin Management Plan for those portions of the former Fort Ord overlying the Salinas Valley and Seaside groundwater basins to determine available water supplies.

Program C-3.2: The City shall work with MCWRA and MPWMD to determine the extent of seawater intrusion into the Salinas Valley and Seaside groundwater basins in the context of the Salinas Valley Basin Management Plan, and shall participate in implementing measures to prevent further intrusion.

Program B-1.2: See description of this program above.

Program B-1.3: See description of this program above.

Hydrology and Water Quality Policy C-4: The City shall prevent siltation of waterways, to the extent feasible.

Program C-4.1: The City, in consultation with the Natural Resources Conservation Service, shall develop a program that will provide, to every landowner, occupant, and other appropriate entities and other appropriate entities, information concerning vegetation preservation and other best management practices that would prevent siltation of waterways in or downstream of the former Fort Ord.



Program A-2.1: See description of this program in the Conservation Element.

Program A-2.2: See description of this program in the Conservation Element.

Program A-2.3: See description of this program in the Conservation Element.

Hydrology and Water Quality Policy C-5: The City shall support all actions necessary to ensure that sewage treatment facilities operate in compliance with waste discharge requirements adopted by the California Regional Water Quality Control Board.

Hydrology and Water Quality Policy C-6: In support of Monterey Bay's national marine sanctuary designation, the City shall support all actions required to ensure that the bay and intertidal environment will not be adversely affected, even if such actions would exceed state and federal water quality requirements.

Program C-6.1: See Program C-6.1 above.

Hydrology and Water Quality Policy C-7: The City shall condition all development plans on verification of adequate wastewater treatment capacity.

Monterey County

Objective A: Protect and preserve watersheds and recharge areas, particularly those critical for the replenishment of aquifers.

Hydrology and Water Quality Policy A-1: At the project approval stage, the County shall require new development to demonstrate that all measures will be taken to ensure that runoff is minimized and infiltration maximized in groundwater recharge areas.

Program A-1.1: The County shall develop and make available a description of feasible and effective best management practices and site drainage designs that shall be implemented in new development to ensure adequate stormwater infiltration.

Hydrology and Water Quality Policy A-2: To avoid adversely affecting groundwater recharge or surface water users in downstream areas, the County shall ensure that land use and drainage facilities on newly developed lands do not decrease or increase the magnitude and duration of flows less than or greater than the mean annual flow in creeks downstream of the development sites.

Program A-2.1: The County shall implement a stream gauging program for creeks in the eastern part of the former Fort Ord if proposals are submitted for development in that area. The gauging program shall be entirely funded by development fees.

Objective B: Eliminate long-term groundwater overdrafting as soon as practicably possible.

Hydrology and Water Quality Policy B-1: The County shall ensure additional water to critically deficient areas.



Fort Ord Reuse Plan

Program B-1.2: See description of this program under Marina above.

Program B-1.3: The County shall adopt and enforce a water conservation ordinance for its jurisdiction within Fort Ord, which is at least as stringent as Regulation 13 of the MPWMD.

Hydrology and Water Quality Policy B-2: The County shall condition approval of development plans on verification of an assured long-term water supply for the projects.

Program B-2.4: See description of this program under Marina above.

Program B-2.5: See description of this program under Marina above.

Program B-2.6: See description of this program under Marina above.

Program B-2.7: See description of this program under Marina above.

Objective C: Control nonpoint and point water pollution sources to protect the adopted beneficial uses of water.

Hydrology and Water Quality Policy C-1: The County shall comply with all mandated water quality programs and establish local water quality programs as needed.

Program C-1.1: The County shall comply with the nonpoint pollution control plan developed by the California Coastal Commission and the State Water Resources Control Board (SWRCB), pursuant to Section 6217 of the Federal Coastal Zone Management Act Reauthorization Amendments of 1990, if any stormwater is discharged into the ocean.

Program C-1.2: The County shall comply with the General Industrial Storm Water Permit adopted by the SWRCB in November 1991 that requires all storm drain outfalls classified as industrial to apply for a permit for discharge.

Program C-1.3: The County shall comply with the management plan to protect Monterey Bay's resources in compliance with the Marine Protection, Research, and Sanctuaries Act of 1972, as amended, and its implementing regulations.

Program C-1.4: The County shall develop and implement a surface water and groundwater quality monitoring program that includes new domestic wells, to detect and solve potential water quality problems, including drinking water quality.

Program C-1.5: The County shall adopt and enforce an hazardous substance control ordinance that requires that hazardous substance control plans be prepared and implemented for construction activities involving the handling, storing, transport, or disposal of hazardous waste materials.

Program C-1.6: The County shall develop a program to identify wells that contribute to groundwater degradation. The County shall require that these wells be repaired or destroyed by the property owner according to state standards. These actions shall be reviewed and approved by the Monterey County Environmental Health Department (MCEHD).



See Program C-6.1 above.

Hydrology and Water Quality Policy C-2: At the project approval stage, the County shall require new development to demonstrate that all measures will be taken to ensure that on-site drainage systems are designed to capture and filter out urban pollution.

Program C-2.1: The County shall develop and make available a description of feasible and effective measures and site drainage designs that will be implemented in new development to minimize water quality impacts.

Hydrology and Water Quality Policy C-3: The MCWRA and the County shall cooperate with MCWRA and MPWMD to mitigate further seawater intrusion based on Salinas Valley Basin Management Plan.

Program C-3.1: The County shall continue to work with the MCWRA and the MPWMD to estimate the current safe yield within the context of the Salinas Valley Basin Management Plan for those portions of the former Fort Ord overlying the Salinas Valley and Seaside groundwater basins to determine available water supplies.

Program C-3.2: The County shall work with the MCWRA and MPWMD to determine the extent of seawater intrusion into the Salinas Valley and Seaside groundwater basin in the context of the Salinas Valley Basin Management Plan and shall participate in implementing measures to prevent further intrusion.

Program B-1.2: See description of this program above under Seaside.

Program B-1.3: See description of this program above under Seaside.

Hydrology and Water Quality Policy C-4: The County shall prevent siltation of waterways, to the extent feasible.

Program C-4.1: The County, in consultation with the Natural Resources Conservation Service, shall develop a program that will provide, to every landowner, occupant, and other appropriate entities, information concerning vegetation preservation and other best management practices that would prevent siltation of waterways in or downstream of the former Fort Ord.

Program A-2.1: See description of this program in the Conservation Element.

Program A-2.2: See description of this program in the Conservation Element.

Program A-2.3: See description of this program in the Conservation Element.

Hydrology and Water Quality Policy C-5: The County shall support all actions necessary to ensure that sewage treatment facilities operate in compliance with waste discharge requirements adopted by the California Regional Water Quality Control Board.

Hydrology and Water Quality Policy C-6: See Program C-6.1 above.

Hydrology and Water Quality Policy C-7: The County shall condition all development plans on verification of adequate wastewater treatment capacity.

APPENDIX B

Rational method existing condition peak flow calculations

10-year existing condition peak outflow for the southern watershed

- Longest flow path through the watershed = 8088 feet
- Slope of this path = 2.7%
- Using Figure 15.2 in the SCS National Engineering Handbook, Section 4 and assuming the path is a grassed waterway this slope gives an average velocity of 2.5 feet/second
- $t_c = (8088 \text{ feet}) / (2.5 \text{ feet/second}) = 3235 \text{ seconds} = 53.9 \text{ minutes}$

- Of the 277 acres in the watershed 234 are pervious with a $C = 0.15$
43 acres are impervious with a $C = 0.90$
- $C = (43 \cdot 0.90 + 234 \cdot 0.15) / 277 = 0.26$

- 2-year intensity for the site = 0.61 inches/hour
- Using Monterey County guidelines the 10-year intensity =
 $7.75 \cdot 2\text{-year intensity} / t_c^{0.5} = 0.644 \text{ inches/hour}$

- $Q = CiA = 0.26 \cdot 0.644 \text{ in/hr} \cdot 277.3 \text{ acres} = 46.4 \text{ cfs}$

APPENDIX C

Stormwater Basin Stage-Storage-Discharge Relationships

Southeast Basin

Storage-elevation data provided by CBG.

Assuming a percolation rate of 0 in/hr through the basin floor

Outflow Riser Parameters

Orifice width	0.85 feet
Orifice height	0.50 feet
Orifice flowline	117.00 feet
Riser radius	2.00 feet
Riser top elev	127.00 feet

Elevation ft	Storage ac-ft	Orifice Area ft ²	Head ft	Q (orifice) ft ³ /s	Head ft	Q (riser top) ft ³ /s	Q (total) ft ³ /s
117.0	0.00	0.00	0.00	0.000	0.0	0	0.0
118.0	0.03	0.43	0.75	1.772	0.0	0	1.8
119.0	0.11	0.43	1.75	2.707	0.0	0	2.7
120.0	0.29	0.43	2.75	3.394	0.0	0	3.4
121.0	0.61	0.43	3.75	3.963	0.0	0	4.0
122.0	1.09	0.43	4.75	4.460	0.0	0	4.5
123.0	1.73	0.43	5.75	4.907	0.0	0	4.9
124.0	2.56	0.43	6.75	5.317	0.0	0	5.3
125.0	3.60	0.43	7.75	5.697	0.0	0	5.7
126.0	4.86	0.43	8.75	6.053	0.0	0	6.1
127.0	6.30	0.43	9.75	6.390	0.0	0	6.4

Southwest Basin

Storage-elevation data provided by CBG

Assuming a percolation rate of 0 in/hr through the basin floor

Outflow Riser Parameters

Orifice width	3.65 feet
Orifice height	1.00 feet
Orifice flowline	161.00 feet
Riser radius	2.50 feet
Riser top elev	166.50 feet

Elevation ft	Storage ac-ft	Orifice Area ft ²	Head ft	Q (orifice) ft ³ /s	Head ft	Riser C	Q (riser top) ft ³ /s	Q (total) ft ³ /s
161.0	0.00	0.00	0.00	0.0	0.0	3.93	0	0.0
162.0	0.11	3.65	1.00	17.6	0.0	3.93	0	17.6
163.0	0.65	3.65	1.50	21.5	0.0	3.93	0	21.5
164.0	1.95	3.65	2.50	27.8	0.0	3.93	0	27.8
165.0	4.24	3.65	3.50	32.9	0.0	3.93	0	32.9
166.0	7.49	3.65	4.50	37.3	0.0	3.93	0	37.3
166.5	9.46	3.65	5.00	39.3	0.0	3.93	0	39.3

North Basin

Storage-elevation data provided by CBG

Assuming a percolation rate of 4 in/hr through the basin floor

Outflow Riser Parameters

Orifice width	0.00 feet
Orifice height	0.00 feet
Orifice flowline	168.50 feet
Riser radius	1.00 feet
Riser top elev	182.40 feet

Elevation ft	Storage ac-ft	Orifice Area ft ²	Head ft	Q (orifice) ft ³ /s	Head ft	C	Q (riser top) ft ³ /s	Q (total) ft ³ /s	Area ft ²	Perk ft ³ /s
168.5	0.00	0.00	0.00	0.000	0.0	-	0	0.00	0	0
170.5	1.41	0.00	2.00	0.000	0.0	3.93	0	0.00	62150	6
172.5	4.93	0.00	4.00	0.000	0.0	3.93	0	0.00	101996	9
174.5	10.51	0.00	6.00	0.000	0.0	3.93	0	0.00	138530	13
176.5	18.24	0.00	8.00	0.000	0.0	3.93	0	0.00	183697	17
178.5	28.33	0.00	10.00	0.000	0.0	3.93	0	0.00	242405	22
180.5	41.14	0.00	12.00	0.000	0.0	3.93	0	0.00	312515	29
182.4	56.27	0.00	13.90	0.000	0.0	3.93	0	0.00	381400	35

APPENDIX D

HEC-1 model output using SCS methodology

```

1*****
*****
# FLOOD HYDROGRAPH PACKAGE (HEC-1)
ENGINEERS      JUN 1998
CENTER        VERSION 4.1
STREET
95616
* RUN DATE    28OCT03 TIME 13:46:12
*****
*****

```

```

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

```

```

X   X   XXXXXXX   XXXXX   X
X   X   X       X       XX
X   X   X       X       X
XXXXXXX XXXX   X       XXXXX X
X   X   X       X       X
X   X   X       X       X
X   X   XXXXXXX   XXXXX   XXX

```

STRUCTURE.
VERSION

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1G5, HEC1D8, AND HEC1KW. THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT. THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY, DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1

HEC-1 INPUT

PAGE 1

```

LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1         ID  203035 EAST GARRISON POST PROJECT ROUTING
2         * POST PROJECT ROUTING
3         IT   5 01JAN10  0000  300
          IO   5      0
          *DIAGRAM
          * *****
4         KK  SE DET
5         KM  RUNOFF FROM SOUTHEAST DETAINED DRAINAGE
6         KO  1
7         BA  .1237
          * USE TYPE 1A 24-HR DESIGN STORM
8         PB  3,5
9         IN  30 01JAN10  0000
10        PC  0  .0135  .0251  .0382  .0518  .0660  .0810  .0967  .1131  .1304
11        PC  .1491 .1690 .1903 .2135 .2389 .2675 .3001 .3385 .3862 .4570
12        PC  .5806 .6975 .7304 .7552 .7760 .7935 .8093 .8246 .8379 .8502
13        PC  .8616 .8724 .8826 .8923 .9016 .9104 .9188 .9269 .9347 .9422
14        PC  .9494 .9565 .9633 .9698 .9762 .9824 .9884 .9943 1.000
15        LS  0.01  36  45
16        UD  .165
          * *****
17        KK  SEBAS
18        KM  ROUTING SOUTHEAST DEVELOPED WATERSHED THROUGH DETENTION BASIN
19        KO  1
20        RS  1  STOR  0  0
21        SV  0  .03  .11  .29  .61  1.09  1.73  2.56  3.60  4.86
22        SV  6,30
23        SE  117  118  119  120  121  122  123  124  125  126
24        SE  127
25        SQ  0  1.8  2.7  3.4  4.0  4.5  4.9  5.3  5.7  6.1
26        SQ  6.4
          * *****
27        KK  SE UNDET
28        KM  RUNOFF FROM SOUTHEAST UNDETAINED DRAINAGE
29        KO  1
30        BA  .0024

```

```

31      LS      0.01      36      70      EGPOST.OUT
32      UD      .060
* *****
33      KK      SW DEV
34      KM      RUNOFF FROM SOUTHWEST DEVELOPED DRAINAGE
35      KO      1
36      BA      .1413
37      LS      0.01      36      55
38      UD      .165
* *****

```

HEC-1 INPUT

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

```

39      KK      SW UNDEV
40      KM      RUNOFF FROM SOUTHWEST UNDEVELOPED DRAINAGE
41      KO      1
42      BA      .1587
43      LS      0.01      36      2
44      UD      .296
= *****
45      KK      SWJUNC
46      KM      SOUTH DEVELOPED AND UNDEVELOPED WATERSHED JUNCTION
47      KO      1
48      HC      2
* *****
49      KK      SWBAS
50      KM      ROUTING SOUTHWEST WATERSHED THROUGH DETENTION BASIN
51      KO      1
52      RS      1      STOR      0      0
53      SV      0      .11      .65      1.95      4.24      7.49      9.46
54      SE      161      162      163      164      165      166      166.5
55      SQ      0      17.6      21.5      27.8      32.9      37.3      39.3
* *****

```

```

56      KK      SJUNC
57      KM      SOUTH WATERSHED JUNCTION
58      KO      1
59      HC      3
* *****

```

```

60      KK      N DEV
61      KM      RUNOFF FROM DEVELOPED NORTH DRAINAGE
62      KO      1
63      BA      .0829
64      LS      0.01      36      47
65      UD      .110
* *****

```

```

66      KK      N UND
67      KM      RUNOFF FROM UNVELOPED NORTHERN DRAINAGE
68      KO      1
69      BA      .0478
70      LS      0.01      36      5
71      UD      .053
= *****

```

```

72      KK      N JUNC
73      KM      NORTH DEVELOPED AND UNDEVELOPED SHED JUNCTION
74      KO      1
75      HC      2
* *****

```

HEC-1 INPUT

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

```

76      KK      N BAS
77      KM      ROUTING COMBINED NORTH SHED THROUGH DETENTION BASIN
78      KO      1
79      RS      1      STOR      0      0
80      SV      0      1.41      4.93      10.51      18.24      28.33      41.14      56.27
81      SE      168.5      170.5      172.5      174.5      176.5      178.5      180.5      182.4
82      SQ      0      6      9      13      17      22      29      35
* *****
83      ZZ

```

SCHEMATIC DIAGRAM OF STREAM NETWORK

```

INPUT LINE (V) ROUTING      (--->) DIVERSION OR PUMP FLOW
NO.        (.) CONNECTOR    (<---) RETURN OF DIVERTED OR PUMPED FLOW
4          SE DE

```

```

      V
      V
17  SEBAS
      .
      .
27  .      SE UN
      .
      .
33  .      .      SW DE
      .
      .
39  .      .      .      SW UN
      .
      .
45  .      .      SWJUN.....
      .
      .
49  .      .      SWBAS
      .
      .
56  SJUNC.....
      .
      .
60  .      .      N DEV
      .
      .
66  .      .      .      N UND
      .
      .
72  .      .      N JUNC.....
      .
      .
76  .      .      N BAS
  
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```

1*****
*****
*
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
ENGINEERS
*   JUN 1998
CENTER
*   VERSION 4.1
STREET
*
95616
* RUN DATE 28OCT03 TIME 13:46:12
*
*****
*****
  
```

```

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

203035 EAST GARRISON POST PROJECT ROUTING

```

3 10  OUTPUT CONTROL VARIABLES
      IPRNT      5  PRINT CONTROL
      IPLOT      0  PLOT CONTROL
      QSCAL      0. HYDROGRAPH PLOT SCALE

IT    HYDROGRAPH TIME DATA
      NMIN      5  MINUTES IN COMPUTATION INTERVAL
      IDATE     1JAN10 STARTING DATE
      ITIME     0000 STARTING TIME
      NQ        300 NUMBER OF HYDROGRAPH ORDINATES
      NDDATE    2JAN10 ENDING DATE
      NDTIME    0055 ENDING TIME
      ICENT     19  CENTURY MARK

      COMPUTATION INTERVAL .08 HOURS
      TOTAL TIME BASE     24.92 HOURS

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

*** **

4 KK SE DE T

6 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL
IPLDT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

9 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 30 TIME INTERVAL IN MINUTES
JXDATE 1JAN10 STARTING DATE
JXTIME 0 STARTING TIME

SUBBASIN RUNOFF DATA

7 BA SUBBASIN CHARACTERISTICS
TAREA .12 SUBBASIN AREA

PRECIPITATION DATA

8 PB STORM 3.50 BASIN TOTAL PRECIPITATION

Table with 10 columns showing incremental precipitation pattern values ranging from .00 to .02.

15 LS SCS LOSS RATE
STRTL .01 INITIAL ABSTRACTION
CRVNR 36.00 CURVE NUMBER
RTIMP 45.00 PERCENT IMPERVIOUS AREA

16 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .17 LAG

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

Table with 10 columns showing unit hydrograph ordinates: 92., 272., 269., 159., 80., 42., 22., 11., 6., 3.

HYDROGRAPH AT STATION SE DE

DA MON HRMN ORD RAIN LOSS EXCESS COMP Q DA MON HRMN ORD RAIN LOSS EXCESS

COMP Q

EGPOST.OUT

6.	1 JAN 0000	1	.00	.00	.00	0.	*	1 JAN 1230	151	.01	.00	.01
6.	1 JAN 0005	2	.01	.00	.00	0.	*	1 JAN 1235	152	.01	.00	.01
6.	1 JAN 0010	3	.01	.00	.00	1.	*	1 JAN 1240	153	.01	.00	.01
5.	1 JAN 0015	4	.01	.00	.00	2.	*	1 JAN 1245	154	.01	.00	.01
5.	1 JAN 0020	5	.01	.00	.00	3.	*	1 JAN 1250	155	.01	.00	.01
5.	1 JAN 0025	6	.01	.00	.00	3.	*	1 JAN 1255	156	.01	.00	.01
5.	1 JAN 0030	7	.01	.00	.00	3.	*	1 JAN 1300	157	.01	.00	.01
5.	1 JAN 0035	8	.01	.00	.00	3.	*	1 JAN 1305	158	.01	.00	.01
5.	1 JAN 0040	9	.01	.00	.00	3.	*	1 JAN 1310	159	.01	.00	.01
5.	1 JAN 0045	10	.01	.00	.00	3.	*	1 JAN 1315	160	.01	.00	.01
5.	1 JAN 0050	11	.01	.00	.00	3.	*	1 JAN 1320	161	.01	.00	.01
5.	1 JAN 0055	12	.01	.00	.00	3.	*	1 JAN 1325	162	.01	.00	.01
5.	1 JAN 0100	13	.01	.00	.00	3.	*	1 JAN 1330	163	.01	.00	.01
5.	1 JAN 0105	14	.01	.00	.00	3.	*	1 JAN 1335	164	.01	.00	.00
5.	1 JAN 0110	15	.01	.00	.00	3.	*	1 JAN 1340	165	.01	.00	.00
5.	1 JAN 0115	16	.01	.00	.00	3.	*	1 JAN 1345	166	.01	.00	.00
5.	1 JAN 0120	17	.01	.00	.00	3.	*	1 JAN 1350	167	.01	.00	.00
4.	1 JAN 0125	18	.01	.00	.00	3.	*	1 JAN 1355	168	.01	.00	.00
4.	1 JAN 0130	19	.01	.00	.00	3.	*	1 JAN 1400	169	.01	.00	.00
4.	1 JAN 0135	20	.01	.00	.00	3.	*	1 JAN 1405	170	.01	.00	.00
4.	1 JAN 0140	21	.01	.00	.00	3.	*	1 JAN 1410	171	.01	.00	.00
4.	1 JAN 0145	22	.01	.00	.00	3.	*	1 JAN 1415	172	.01	.00	.00
4.	1 JAN 0150	23	.01	.00	.00	3.	*	1 JAN 1420	173	.01	.00	.00
4.	1 JAN 0155	24	.01	.00	.00	3.	*	1 JAN 1425	174	.01	.00	.00
4.	1 JAN 0200	25	.01	.00	.00	3.	*	1 JAN 1430	175	.01	.00	.00
4.	1 JAN 0205	26	.01	.00	.00	4.	*	1 JAN 1435	176	.01	.00	.00
4.	1 JAN 0210	27	.01	.00	.00	4.	*	1 JAN 1440	177	.01	.00	.00
4.	1 JAN 0215	28	.01	.00	.00	4.	*	1 JAN 1445	178	.01	.00	.00
4.	1 JAN 0220	29	.01	.00	.00	4.	*	1 JAN 1450	179	.01	.00	.00
4.	1 JAN 0225	30	.01	.00	.00	4.	*	1 JAN 1455	180	.01	.00	.00
4.	1 JAN 0230	31	.01	.00	.00	4.	*	1 JAN 1500	181	.01	.00	.00
4.	1 JAN 0235	32	.01	.00	.00	4.	*	1 JAN 1505	182	.01	.00	.00
4.	1 JAN 0240	33	.01	.00	.00	4.	*	1 JAN 1510	183	.01	.00	.00
4.	1 JAN 0245	34	.01	.00	.00	4.	*	1 JAN 1515	184	.01	.00	.00
4.	1 JAN 0250	35	.01	.00	.00	4.	*	1 JAN 1520	185	.01	.00	.00
4.	1 JAN 0255	36	.01	.00	.00	4.	*	1 JAN 1525	186	.01	.00	.00
4.	1 JAN 0300	37	.01	.00	.00	4.	*	1 JAN 1530	187	.01	.00	.00
4.	1 JAN 0305	38	.01	.00	.00	4.	*	1 JAN 1535	188	.01	.00	.00
4.	1 JAN 0310	39	.01	.00	.00	4.	*	1 JAN 1540	189	.01	.00	.00
3.	1 JAN 0315	40	.01	.00	.00	4.	*	1 JAN 1545	190	.01	.00	.00
3.	1 JAN 0320	41	.01	.00	.00	4.	*	1 JAN 1550	191	.01	.00	.00
3.	1 JAN 0325	42	.01	.00	.00	4.	*	1 JAN 1555	192	.01	.00	.00
3.	1 JAN 0330	43	.01	.00	.00	4.	*	1 JAN 1600	193	.01	.00	.00

						EGPOST.OUT						
3.	1 JAN 0335	44	.01	.01	.00	4.	*	1 JAN 1605	194	.01	.00	.00
3.	1 JAN 0340	45	.01	.01	.00	4.	*	1 JAN 1610	195	.01	.00	.00
3.	1 JAN 0345	46	.01	.01	.00	4.	*	1 JAN 1615	196	.01	.00	.00
3.	1 JAN 0350	47	.01	.01	.00	4.	*	1 JAN 1620	197	.01	.00	.00
3.	1 JAN 0355	48	.01	.01	.00	4.	*	1 JAN 1625	198	.01	.00	.00
3.	1 JAN 0400	49	.01	.01	.00	4.	*	1 JAN 1630	199	.01	.00	.00
3.	1 JAN 0405	50	.01	.01	.00	4.	*	1 JAN 1635	200	.01	.00	.00
3.	1 JAN 0410	51	.01	.01	.00	4.	*	1 JAN 1640	201	.01	.00	.00
3.	1 JAN 0415	52	.01	.01	.00	4.	*	1 JAN 1645	202	.01	.00	.00
3.	1 JAN 0420	53	.01	.01	.00	5.	*	1 JAN 1650	203	.01	.00	.00
3.	1 JAN 0425	54	.01	.01	.00	5.	*	1 JAN 1655	204	.01	.00	.00
3.	1 JAN 0430	55	.01	.01	.00	5.	*	1 JAN 1700	205	.01	.00	.00
3.	1 JAN 0435	56	.01	.01	.01	5.	*	1 JAN 1705	206	.01	.00	.00
3.	1 JAN 0440	57	.01	.01	.01	5.	*	1 JAN 1710	207	.01	.00	.00
3.	1 JAN 0445	58	.01	.01	.01	5.	*	1 JAN 1715	208	.01	.00	.00
3.	1 JAN 0450	59	.01	.01	.01	5.	*	1 JAN 1720	209	.01	.00	.00
3.	1 JAN 0455	60	.01	.01	.01	5.	*	1 JAN 1725	210	.01	.00	.00
3.	1 JAN 0500	61	.01	.01	.01	5.	*	1 JAN 1730	211	.01	.00	.00
3.	1 JAN 0505	62	.01	.01	.01	5.	*	1 JAN 1735	212	.00	.00	.00
3.	1 JAN 0510	63	.01	.01	.01	5.	*	1 JAN 1740	213	.00	.00	.00
3.	1 JAN 0515	64	.01	.01	.01	5.	*	1 JAN 1745	214	.00	.00	.00
3.	1 JAN 0520	65	.01	.01	.01	5.	*	1 JAN 1750	215	.00	.00	.00
3.	1 JAN 0525	66	.01	.01	.01	5.	*	1 JAN 1755	216	.00	.00	.00
3.	1 JAN 0530	67	.01	.01	.01	5.	*	1 JAN 1800	217	.00	.00	.00
3.	1 JAN 0535	68	.01	.01	.01	5.	*	1 JAN 1805	218	.00	.00	.00
3.	1 JAN 0540	69	.01	.01	.01	6.	*	1 JAN 1810	219	.00	.00	.00
3.	1 JAN 0545	70	.01	.01	.01	6.	*	1 JAN 1815	220	.00	.00	.00
3.	1 JAN 0550	71	.01	.01	.01	6.	*	1 JAN 1820	221	.00	.00	.00
3.	1 JAN 0555	72	.01	.01	.01	6.	*	1 JAN 1825	222	.00	.00	.00
3.	1 JAN 0600	73	.01	.01	.01	6.	*	1 JAN 1830	223	.00	.00	.00
3.	1 JAN 0605	74	.01	.01	.01	6.	*	1 JAN 1835	224	.00	.00	.00
3.	1 JAN 0610	75	.01	.01	.01	6.	*	1 JAN 1840	225	.00	.00	.00
3.	1 JAN 0615	76	.01	.01	.01	6.	*	1 JAN 1845	226	.00	.00	.00
3.	1 JAN 0620	77	.01	.01	.01	6.	*	1 JAN 1850	227	.00	.00	.00
3.	1 JAN 0625	78	.01	.01	.01	6.	*	1 JAN 1855	228	.00	.00	.00
3.	1 JAN 0630	79	.01	.01	.01	6.	*	1 JAN 1900	229	.00	.00	.00
3.	1 JAN 0635	80	.01	.01	.01	6.	*	1 JAN 1905	230	.00	.00	.00
3.	1 JAN 0640	81	.01	.01	.01	7.	*	1 JAN 1910	231	.00	.00	.00
3.	1 JAN 0645	82	.01	.01	.01	7.	*	1 JAN 1915	232	.00	.00	.00
3.	1 JAN 0650	83	.01	.01	.01	7.	*	1 JAN 1920	233	.00	.00	.00
3.	1 JAN 0655	84	.01	.01	.01	7.	*	1 JAN 1925	234	.00	.00	.00
3.	1 JAN 0700	85	.01	.01	.01	7.	*	1 JAN 1930	235	.00	.00	.00
3.	1 JAN 0705	86	.02	.01	.01	7.	*	1 JAN 1935	236	.00	.00	.00
3.	1 JAN 0710	87	.02	.01	.01	7.	*	1 JAN 1940	237	.00	.00	.00

						EGPOST.OUT							
2.	1 JAN 0715	88	.02	.01	.01	8.	*	1 JAN 1945	238	.00	.00	.00	
2.	1 JAN 0720	89	.02	.01	.01	8.	*	1 JAN 1950	239	.00	.00	.00	
2.	1 JAN 0725	90	.02	.01	.01	8.	*	1 JAN 1955	240	.00	.00	.00	
2.	1 JAN 0730	91	.02	.01	.01	8.	*	1 JAN 2000	241	.00	.00	.00	
2.	1 JAN 0735	92	.02	.01	.01	8.	*	1 JAN 2005	242	.00	.00	.00	
2.	1 JAN 0740	93	.02	.01	.01	8.	*	1 JAN 2010	243	.00	.00	.00	
2.	1 JAN 0745	94	.02	.01	.01	9.	*	1 JAN 2015	244	.00	.00	.00	
2.	1 JAN 0750	95	.02	.01	.01	9.	*	1 JAN 2020	245	.00	.00	.00	
2.	1 JAN 0755	96	.02	.01	.01	9.	*	1 JAN 2025	246	.00	.00	.00	
2.	1 JAN 0800	97	.02	.01	.01	9.	*	1 JAN 2030	247	.00	.00	.00	
2.	1 JAN 0805	98	.02	.01	.01	9.	*	1 JAN 2035	248	.00	.00	.00	
2.	1 JAN 0810	99	.02	.01	.01	10.	*	1 JAN 2040	249	.00	.00	.00	
2.	1 JAN 0815	100	.02	.01	.01	10.	*	1 JAN 2045	250	.00	.00	.00	
2.	1 JAN 0820	101	.02	.01	.01	11.	*	1 JAN 2050	251	.00	.00	.00	
2.	1 JAN 0825	102	.02	.01	.01	11.	*	1 JAN 2055	252	.00	.00	.00	
2.	1 JAN 0830	103	.02	.01	.01	11.	*	1 JAN 2100	253	.00	.00	.00	
2.	1 JAN 0835	104	.03	.01	.01	11.	*	1 JAN 2105	254	.00	.00	.00	
2.	1 JAN 0840	105	.03	.01	.01	12.	*	1 JAN 2110	255	.00	.00	.00	
2.	1 JAN 0845	106	.03	.01	.01	13.	*	1 JAN 2115	256	.00	.00	.00	
2.	1 JAN 0850	107	.03	.01	.01	13.	*	1 JAN 2120	257	.00	.00	.00	
2.	1 JAN 0855	108	.03	.01	.01	14.	*	1 JAN 2125	258	.00	.00	.00	
2.	1 JAN 0900	109	.03	.01	.01	14.	*	1 JAN 2130	259	.00	.00	.00	
2.	1 JAN 0905	110	.04	.02	.02	15.	*	1 JAN 2135	260	.00	.00	.00	
2.	1 JAN 0910	111	.04	.02	.02	17.	*	1 JAN 2140	261	.00	.00	.00	
2.	1 JAN 0915	112	.04	.02	.02	18.	*	1 JAN 2145	262	.00	.00	.00	
2.	1 JAN 0920	113	.04	.02	.02	20.	*	1 JAN 2150	263	.00	.00	.00	
2.	1 JAN 0925	114	.04	.02	.02	20.	*	1 JAN 2155	264	.00	.00	.00	
2.	1 JAN 0930	115	.04	.02	.02	21.	*	1 JAN 2200	265	.00	.00	.00	
2.	1 JAN 0935	116	.07	.03	.04	22.	*	1 JAN 2205	266	.00	.00	.00	
2.	1 JAN 0940	117	.07	.03	.04	27.	*	1 JAN 2210	267	.00	.00	.00	
2.	1 JAN 0945	118	.07	.03	.04	32.	*	1 JAN 2215	268	.00	.00	.00	
2.	1 JAN 0950	119	.07	.03	.04	35.	*	1 JAN 2220	269	.00	.00	.00	
2.	1 JAN 0955	120	.07	.03	.04	36.	*	1 JAN 2225	270	.00	.00	.00	
2.	1 JAN 1000	121	.07	.03	.04	37.	*	1 JAN 2230	271	.00	.00	.00	
2.	1 JAN 1005	122	.07	.03	.04	37.	*	1 JAN 2235	272	.00	.00	.00	
2.	1 JAN 1010	123	.07	.03	.04	37.	*	1 JAN 2240	273	.00	.00	.00	
2.	1 JAN 1015	124	.07	.03	.04	37.	*	1 JAN 2245	274	.00	.00	.00	
2.	1 JAN 1020	125	.07	.03	.04	37.	*	1 JAN 2250	275	.00	.00	.00	
2.	1 JAN 1025	126	.07	.03	.04	37.	*	1 JAN 2255	276	.00	.00	.00	
2.	1 JAN 1030	127	.07	.03	.04	37.	*	1 JAN 2300	277	.00	.00	.00	
2.	1 JAN 1035	128	.02	.01	.01	35.	*	1 JAN 2305	278	.00	.00	.00	
2.	1 JAN 1040	129	.02	.01	.01	27.	*	1 JAN 2310	279	.00	.00	.00	
2.	1 JAN 1045	130	.02	.01	.01	20.	*	1 JAN 2315	280	.00	.00	.00	
2.	1 JAN 1050	131	.02	.01	.01	15.	*	1 JAN 2320	281	.00	.00	.00	

TIME	DATE	INCHES	LOSS	EGPOST	OUT	TIME	DATE	INCHES	LOSS	EGPOST	OUT
2.	1 JAN 1055	132	.02	.01	.01	13.	1 JAN 2325	282	.00	.00	.00
2.	1 JAN 1100	133	.02	.01	.01	12.	1 JAN 2330	283	.00	.00	.00
2.	1 JAN 1105	134	.01	.01	.01	11.	1 JAN 2335	284	.00	.00	.00
2.	1 JAN 1110	135	.01	.01	.01	10.	1 JAN 2340	285	.00	.00	.00
2.	1 JAN 1115	136	.01	.01	.01	9.	1 JAN 2345	286	.00	.00	.00
2.	1 JAN 1120	137	.01	.01	.01	9.	1 JAN 2350	287	.00	.00	.00
2.	1 JAN 1125	138	.01	.01	.01	8.	1 JAN 2355	288	.00	.00	.00
2.	1 JAN 1130	139	.01	.01	.01	8.	2 JAN 0000	289	.00	.00	.00
2.	1 JAN 1135	140	.01	.01	.01	8.	2 JAN 0005	290	.00	.00	.00
1.	1 JAN 1140	141	.01	.01	.01	8.	2 JAN 0010	291	.00	.00	.00
1.	1 JAN 1145	142	.01	.01	.01	7.	2 JAN 0015	292	.00	.00	.00
0.	1 JAN 1150	143	.01	.01	.01	7.	2 JAN 0020	293	.00	.00	.00
0.	1 JAN 1155	144	.01	.01	.01	7.	2 JAN 0025	294	.00	.00	.00
0.	1 JAN 1200	145	.01	.01	.01	7.	2 JAN 0030	295	.00	.00	.00
0.	1 JAN 1205	146	.01	.00	.01	7.	2 JAN 0035	296	.00	.00	.00
0.	1 JAN 1210	147	.01	.00	.01	6.	2 JAN 0040	297	.00	.00	.00
0.	1 JAN 1215	148	.01	.00	.01	6.	2 JAN 0045	298	.00	.00	.00
0.	1 JAN 1220	149	.01	.00	.01	6.	2 JAN 0050	299	.00	.00	.00
0.	1 JAN 1225	150	.01	.00	.01	6.	2 JAN 0055	300	.00	.00	.00

TOTAL RAINFALL = 3.50, TOTAL LOSS = 1.61, TOTAL EXCESS = 1.89

PEAK FLOW	TIME	6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	24.92-HR
(CFS)	(HR)	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)
+	37.	15.	6.	6.	6.	6.
	10.08	1.105	1.887	1.890	1.890	1.890
		(INCHES)	7.	12.	12.	12.
		(AC-FT)				
		CUMULATIVE AREA =	.12 SQ MI			

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

* SEBAS *

19 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

HYDROGRAPH ROUTING DATA

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

TIME	ELEVATION	117.00	118.00	119.00	120.00	121.00	122.00	123.00	124.00	125.00
21 SV	STORAGE	.0	.0	.1	.3	.6	1.1	1.7	2.6	3.6
4.9		6.3								
23 SE	ELEVATION	117.00	118.00	119.00	120.00	121.00	122.00	123.00	124.00	125.00
126.00		127.00								

EGPOST.OUT

25 SQ DISCHARGE 0. 2. 3. 3. 4. 5. 5. 5. 6.
6.

HYDROGRAPH AT STATION SEBAS

DA	MON	HRMN	ORD	STORAGE	STAGE	DA	MON	HRMN	ORD	STORAGE	STAGE	DA	MON	HRMN	ORD	STORAGE	STAGE	OUTFLOW	
1	JAN	0000	1	0.	.0	117.0	1	JAN	0820	101	5.	1	JAN	1640	201	6.	122.1	6.	
4.6		125.8																	
1	JAN	0005	2	0.	.0	117.0	1	JAN	0825	102	5.	1	JAN	1645	202	6.	122.2	6.	
4.6		125.8																	
1	JAN	0010	3	0.	.0	117.2	1	JAN	0830	103	5.	1	JAN	1650	203	6.	122.3	6.	
4.6		125.8																	
1	JAN	0015	4	1.	.0	117.5	1	JAN	0835	104	5.	1	JAN	1655	204	6.	122.3	6.	
4.6		125.8																	
1	JAN	0020	5	1.	.0	117.8	1	JAN	0840	105	5.	1	JAN	1700	205	6.	122.4	6.	
4.6		125.8																	
1	JAN	0025	6	2.	.0	118.0	1	JAN	0845	106	5.	1	JAN	1705	206	6.	122.5	6.	
4.5		125.8																	
1	JAN	0030	7	2.	.0	118.1	1	JAN	0850	107	5.	1	JAN	1710	207	6.	122.6	6.	
4.5		125.7																	
1	JAN	0035	8	2.	.1	118.3	1	JAN	0855	108	5.	1	JAN	1715	208	6.	122.7	6.	
4.5		125.7																	
1	JAN	0040	9	2.	.1	118.4	1	JAN	0900	109	5.	1	JAN	1720	209	6.	122.8	6.	
4.5		125.7																	
1	JAN	0045	10	2.	.1	118.4	1	JAN	0905	110	5.	1	JAN	1725	210	6.	122.9	6.	
4.5		125.7																	
1	JAN	0050	11	2.	.1	118.5	1	JAN	0910	111	5.	1	JAN	1730	211	6.	123.0	6.	
4.4		125.7																	
1	JAN	0055	12	2.	.1	118.6	1	JAN	0915	112	5.	1	JAN	1735	212	6.	123.1	6.	
4.4		125.7																	
1	JAN	0100	13	2.	.1	118.6	1	JAN	0920	113	5.	1	JAN	1740	213	6.	123.2	6.	
4.4		125.6																	
1	JAN	0105	14	2.	.1	118.7	1	JAN	0925	114	5.	1	JAN	1745	214	6.	123.3	6.	
4.4		125.6																	
1	JAN	0110	15	2.	.1	118.7	1	JAN	0930	115	5.	1	JAN	1750	215	6.	123.5	6.	
4.4		125.6																	
1	JAN	0115	16	3.	.1	118.8	1	JAN	0935	116	5.	1	JAN	1755	216	6.	123.6	6.	
4.3		125.6																	
1	JAN	0120	17	3.	.1	118.8	1	JAN	0940	117	5.	1	JAN	1800	217	6.	123.8	6.	
4.3		125.6																	
1	JAN	0125	18	3.	.1	118.9	1	JAN	0945	118	5.	1	JAN	1805	218	6.	124.0	6.	
4.3		125.6																	
1	JAN	0130	19	3.	.1	119.0	1	JAN	0950	119	5.	1	JAN	1810	219	6.	124.2	6.	
4.3		125.5																	
1	JAN	0135	20	3.	.1	119.0	1	JAN	0955	120	5.	1	JAN	1815	220	6.	124.4	6.	
4.3		125.5																	
1	JAN	0140	21	3.	.1	119.0	1	JAN	1000	121	6.	1	JAN	1820	221	6.	124.6	6.	
4.2		125.5																	
1	JAN	0145	22	3.	.1	119.1	1	JAN	1005	122	6.	1	JAN	1825	222	6.	124.8	6.	
4.2		125.5																	
1	JAN	0150	23	3.	.1	119.1	1	JAN	1010	123	6.	1	JAN	1830	223	6.	125.0	6.	
4.2		125.5																	
1	JAN	0155	24	3.	.1	119.1	1	JAN	1015	124	6.	1	JAN	1835	224	6.	125.2	6.	
4.2		125.5																	
1	JAN	0200	25	3.	.1	119.1	1	JAN	1020	125	6.	1	JAN	1840	225	6.	125.3	6.	
4.1		125.4																	
1	JAN	0205	26	3.	.1	119.2	1	JAN	1025	126	6.	1	JAN	1845	226	6.	125.5	6.	
4.1		125.4																	
1	JAN	0210	27	3.	.1	119.2	1	JAN	1030	127	6.	1	JAN	1850	227	6.	125.7	6.	
4.1		125.4																	
1	JAN	0215	28	3.	.1	119.2	1	JAN	1035	128	6.	1	JAN	1855	228	6.	125.8	6.	
4.1		125.4																	
1	JAN	0220	29	3.	.2	119.2	1	JAN	1040	129	6.	1	JAN	1900	229	6.	126.0	6.	
4.1		125.4																	
1	JAN	0225	30	3.	.2	119.3	1	JAN	1045	130	6.	1	JAN	1905	230	6.	126.1	6.	
4.0		125.3																	
1	JAN	0230	31	3.	.2	119.3	1	JAN	1050	131	6.	1	JAN	1910	231	6.	126.1	6.	
4.0		125.3																	
1	JAN	0235	32	3.	.2	119.3	1	JAN	1055	132	6.	1	JAN	1915	232	6.	126.2	6.	
4.0		125.3																	
1	JAN	0240	33	3.	.2	119.4	1	JAN	1100	133	6.	1	JAN	1920	233	6.	126.2	6.	
4.0		125.3																	
1	JAN	0245	34	3.	.2	119.4	1	JAN	1105	134	6.	1	JAN	1925	234	6.	126.2	6.	
3.9		125.3																	

						EGPOST.OUT					
1	JAN 0250 35	3.	.2	119.4 *	1 JAN 1110 135	6.	5.2	126.2 *	1 JAN 1930 235	6.	
3.9	125.3										
1	JAN 0255 36	3.	.2	119.5 *	1 JAN 1115 136	6.	5.2	126.2 *	1 JAN 1935 236	6.	
3.9	125.2										
1	JAN 0300 37	3.	.2	119.5 *	1 JAN 1120 137	6.	5.2	126.3 *	1 JAN 1940 237	6.	
3.9	125.2										
1	JAN 0305 38	3.	.2	119.5 *	1 JAN 1125 138	6.	5.2	126.3 *	1 JAN 1945 238	6.	
3.9	125.2										
1	JAN 0310 39	3.	.2	119.6 *	1 JAN 1130 139	6.	5.3	126.3 *	1 JAN 1950 239	6.	
3.8	125.2										
1	JAN 0315 40	3.	.2	119.6 *	1 JAN 1135 140	6.	5.3	126.3 *	1 JAN 1955 240	6.	
3.8	125.2										
1	JAN 0320 41	3.	.2	119.6 *	1 JAN 1140 141	6.	5.3	126.3 *	1 JAN 2000 241	6.	
3.8	125.1										
1	JAN 0325 42	3.	.2	119.7 *	1 JAN 1145 142	6.	5.3	126.3 *	1 JAN 2005 242	6.	
3.8	125.1										
1	JAN 0330 43	3.	.2	119.7 *	1 JAN 1150 143	6.	5.3	126.3 *	1 JAN 2010 243	6.	
3.7	125.1										
1	JAN 0335 44	3.	.2	119.7 *	1 JAN 1155 144	6.	5.3	126.3 *	1 JAN 2015 244	6.	
3.7	125.1										
1	JAN 0340 45	3.	.2	119.8 *	1 JAN 1200 145	6.	5.3	126.3 *	1 JAN 2020 245	6.	
3.7	125.1										
1	JAN 0345 46	3.	.3	119.8 *	1 JAN 1205 146	6.	5.3	126.3 *	1 JAN 2025 246	6.	
3.7	125.1										
1	JAN 0350 47	3.	.3	119.8 *	1 JAN 1210 147	6.	5.3	126.3 *	1 JAN 2030 247	6.	
3.7	125.0										
1	JAN 0355 48	3.	.3	119.9 *	1 JAN 1215 148	6.	5.3	126.3 *	1 JAN 2035 248	6.	
3.6	125.0										
1	JAN 0400 49	3.	.3	119.9 *	1 JAN 1220 149	6.	5.3	126.3 *	1 JAN 2040 249	6.	
3.6	125.0										
1	JAN 0405 50	3.	.3	120.0 *	1 JAN 1225 150	6.	5.3	126.3 *	1 JAN 2045 250	6.	
3.6	125.0										
1	JAN 0410 51	3.	.3	120.0 *	1 JAN 1230 151	6.	5.3	126.3 *	1 JAN 2050 251	6.	
3.6	125.0										
1	JAN 0415 52	3.	.3	120.0 *	1 JAN 1235 152	6.	5.3	126.3 *	1 JAN 2055 252	6.	
3.5	124.9										
1	JAN 0420 53	3.	.3	120.0 *	1 JAN 1240 153	6.	5.3	126.3 *	1 JAN 2100 253	6.	
3.5	124.9										
1	JAN 0425 54	3.	.3	120.1 *	1 JAN 1245 154	6.	5.3	126.3 *	1 JAN 2105 254	6.	
3.5	124.9										
1	JAN 0430 55	3.	.3	120.1 *	1 JAN 1250 155	6.	5.3	126.3 *	1 JAN 2110 255	6.	
3.5	124.9										
1	JAN 0435 56	3.	.3	120.1 *	1 JAN 1255 156	6.	5.3	126.3 *	1 JAN 2115 256	6.	
3.4	124.9										
1	JAN 0440 57	3.	.3	120.1 *	1 JAN 1300 157	6.	5.3	126.3 *	1 JAN 2120 257	6.	
3.4	124.8										
1	JAN 0445 58	4.	.3	120.2 *	1 JAN 1305 158	6.	5.3	126.3 *	1 JAN 2125 258	6.	
3.4	124.8										
1	JAN 0450 59	4.	.4	120.2 *	1 JAN 1310 159	6.	5.3	126.3 *	1 JAN 2130 259	6.	
3.4	124.8										
1	JAN 0455 60	4.	.4	120.2 *	1 JAN 1315 160	6.	5.3	126.3 *	1 JAN 2135 260	6.	
3.4	124.8										
1	JAN 0500 61	4.	.4	120.3 *	1 JAN 1320 161	6.	5.2	126.3 *	1 JAN 2140 261	6.	
3.3	124.7										
1	JAN 0505 62	4.	.4	120.3 *	1 JAN 1325 162	6.	5.2	126.3 *	1 JAN 2145 262	6.	
3.3	124.7										
1	JAN 0510 63	4.	.4	120.3 *	1 JAN 1330 163	6.	5.2	126.3 *	1 JAN 2150 263	6.	
3.3	124.7										
1	JAN 0515 64	4.	.4	120.4 *	1 JAN 1335 164	6.	5.2	126.3 *	1 JAN 2155 264	6.	
3.3	124.7										
1	JAN 0520 65	4.	.4	120.4 *	1 JAN 1340 165	6.	5.2	126.2 *	1 JAN 2200 265	6.	
3.2	124.6										
1	JAN 0525 66	4.	.4	120.4 *	1 JAN 1345 166	6.	5.2	126.2 *	1 JAN 2205 266	6.	
3.2	124.6										
1	JAN 0530 67	4.	.4	120.5 *	1 JAN 1350 167	6.	5.2	126.2 *	1 JAN 2210 267	6.	
3.2	124.6										
1	JAN 0535 68	4.	.5	120.5 *	1 JAN 1355 168	6.	5.2	126.2 *	1 JAN 2215 268	6.	
3.2	124.6										
1	JAN 0540 69	4.	.5	120.5 *	1 JAN 1400 169	6.	5.2	126.2 *	1 JAN 2220 269	6.	
3.1	124.6										
1	JAN 0545 70	4.	.5	120.6 *	1 JAN 1405 170	6.	5.2	126.2 *	1 JAN 2225 270	6.	
3.1	124.5										
1	JAN 0550 71	4.	.5	120.6 *	1 JAN 1410 171	6.	5.1	126.2 *	1 JAN 2230 271	6.	
3.1	124.5										
1	JAN 0555 72	4.	.5	120.7 *	1 JAN 1415 172	6.	5.1	126.2 *	1 JAN 2235 272	5.	
3.1	124.5										
1	JAN 0600 73	4.	.5	120.7 *	1 JAN 1420 173	6.	5.1	126.2 *	1 JAN 2240 273	5.	
3.0	124.5										
1	JAN 0605 74	4.	.5	120.7 *	1 JAN 1425 174	6.	5.1	126.2 *	1 JAN 2245 274	5.	
3.0	124.4										
1	JAN 0610 75	4.	.5	120.8 *	1 JAN 1430 175	6.	5.1	126.2 *	1 JAN 2250 275	5.	
3.0	124.4										
1	JAN 0615 76	4.	.6	120.8 *	1 JAN 1435 176	6.	5.1	126.2 *	1 JAN 2255 276	5.	
3.0	124.4										
1	JAN 0620 77	4.	.6	120.9 *	1 JAN 1440 177	6.	5.1	126.1 *	1 JAN 2300 277	5.	
3.0	124.4										
1	JAN 0625 78	4.	.6	120.9 *	1 JAN 1445 178	6.	5.1	126.1 *	1 JAN 2305 278	5.	
2.9	124.4										

EGPOST.OUT													
1	JAN 0630	79	4.	.6	121.0 *	1 JAN 1450	179	6.	5.0	126.1 *	1 JAN 2310	279	5.
2.9	124.3												
1	JAN 0635	80	4.	.6	121.0 *	1 JAN 1455	180	6.	5.0	126.1 *	1 JAN 2315	280	5.
2.9	124.3												
1	JAN 0640	81	4.	.6	121.1 *	1 JAN 1500	181	6.	5.0	126.1 *	1 JAN 2320	281	5.
2.9	124.3												
1	JAN 0645	82	4.	.7	121.1 *	1 JAN 1505	182	6.	5.0	126.1 *	1 JAN 2325	282	5.
2.8	124.3												
1	JAN 0650	83	4.	.7	121.1 *	1 JAN 1510	183	6.	5.0	126.1 *	1 JAN 2330	283	5.
2.8	124.2												
1	JAN 0655	84	4.	.7	121.2 *	1 JAN 1515	184	6.	5.0	126.1 *	1 JAN 2335	284	5.
2.8	124.2												
1	JAN 0700	85	4.	.7	121.2 *	1 JAN 1520	185	6.	4.9	126.1 *	1 JAN 2340	285	5.
2.8	124.2												
1	JAN 0705	86	4.	.7	121.3 *	1 JAN 1525	186	6.	4.9	126.0 *	1 JAN 2345	286	5.
2.7	124.2												
1	JAN 0710	87	4.	.8	121.3 *	1 JAN 1530	187	6.	4.9	126.0 *	1 JAN 2350	287	5.
2.7	124.2												
1	JAN 0715	88	4.	.8	121.4 *	1 JAN 1535	188	6.	4.9	126.0 *	1 JAN 2355	288	5.
2.7	124.1												
1	JAN 0720	89	4.	.8	121.4 *	1 JAN 1540	189	6.	4.9	126.0 *	2 JAN 0000	289	5.
2.7	124.1												
1	JAN 0725	90	4.	.8	121.5 *	1 JAN 1545	190	6.	4.9	126.0 *	2 JAN 0005	290	5.
2.7	124.1												
1	JAN 0730	91	4.	.9	121.5 *	1 JAN 1550	191	6.	4.8	126.0 *	2 JAN 0010	291	5.
2.6	124.1												
1	JAN 0735	92	4.	.9	121.6 *	1 JAN 1555	192	6.	4.8	126.0 *	2 JAN 0015	292	5.
2.6	124.0												
1	JAN 0740	93	4.	.9	121.6 *	1 JAN 1600	193	6.	4.8	125.9 *	2 JAN 0020	293	5.
2.6	124.0												
1	JAN 0745	94	4.	.9	121.7 *	1 JAN 1605	194	6.	4.8	125.9 *	2 JAN 0025	294	5.
2.5	124.0												
1	JAN 0750	95	4.	1.0	121.8 *	1 JAN 1610	195	6.	4.8	125.9 *	2 JAN 0030	295	5.
2.5	123.9												
1	JAN 0755	96	4.	1.0	121.8 *	1 JAN 1615	196	6.	4.7	125.9 *	2 JAN 0035	296	5.
2.5	123.9												
1	JAN 0800	97	4.	1.0	121.9 *	1 JAN 1620	197	6.	4.7	125.9 *	2 JAN 0040	297	5.
2.4	123.8												
1	JAN 0805	98	4.	1.1	122.0 *	1 JAN 1625	198	6.	4.7	125.9 *	2 JAN 0045	298	5.
2.4	123.8												
1	JAN 0810	99	5.	1.1	122.0 *	1 JAN 1630	199	6.	4.7	125.9 *	2 JAN 0050	299	5.
2.3	123.7												
1	JAN 0815	100	5.	1.1	122.1 *	1 JAN 1635	200	6.	4.7	125.8 *	2 JAN 0055	300	5.
2.3	123.7												

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)					
+	6.	12.08	(CFS)	6.	5.	5.	5.
			(INCHES)	.462	1.523	1.539	1.539
			(AC-FT)	3.	10.	10.	10.
PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE	24-HR	72-HR	24.92-HR
+	(AC-FT)	(HR)					
+	5.	12.17		5.	3.	3.	3.
PEAK STAGE	TIME		6-HR	MAXIMUM AVERAGE STAGE	24-HR	72-HR	24.92-HR
+	(FEET)	(HR)					
+	126.32	12.25		126.16	123.66	123.45	123.45

CUMULATIVE AREA = .12 SQ MI

*** **

 * *
 27 KK * SE UN * DET
 * *

29 KO OUTPUT CONTROL VARIABLES
 IPRNT 1 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0 HYDROGRAPH PLOT SCALE

SUBBASIN RUNOFF DATA

30 BA SUBBASIN CHARACTERISTICS
TAREA .00 SUBBASIN AREA

PRECIPITATION DATA

8 PB STORM 3.50 BASIN TOTAL PRECIPITATION

10 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
.01	.01	.01	.01	.01	.01	.01	.01	.01	.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	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

31 LS SCS LOSS RATE
STRTL .01 INITIAL ABSTRACTION
CRVNB 36.00 CURVE NUMBER
RTIMP 70.00 PERCENT IMPERVIOUS AREA

32 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .06 LAG

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

UNIT HYDROGRAPH
5 END-OF-PERIOD ORDINATES
11. 6. 2. 0. 0. 0.

HYDROGRAPH AT STATION SE UN

COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS
D.	1	JAN	0000	1	.00	.00	.00	0.	*	1	JAN	1230	151	.01	.00	.01
D.	1	JAN	0005	2	.01	.00	.01	0.	*	1	JAN	1235	152	.01	.00	.01
D.	1	JAN	0010	3	.01	.00	.01	0.	*	1	JAN	1240	153	.01	.00	.01
D.	1	JAN	0015	4	.01	.00	.01	0.	*	1	JAN	1245	154	.01	.00	.01
D.	1	JAN	0020	5	.01	.00	.01	0.	*	1	JAN	1250	155	.01	.00	.01
D.	1	JAN	0025	6	.01	.00	.01	0.	*	1	JAN	1255	156	.01	.00	.01
D.	1	JAN	0030	7	.01	.00	.01	0.	*	1	JAN	1300	157	.01	.00	.01
D.	1	JAN	0035	8	.01	.00	.00	0.	*	1	JAN	1305	158	.01	.00	.01
D.	1	JAN	0040	9	.01	.00	.00	0.	*	1	JAN	1310	159	.01	.00	.01
D.	1	JAN	0045	10	.01	.00	.00	0.	*	1	JAN	1315	160	.01	.00	.01
D.																

EGPOST.OUT

0.	1 JAN 0050	11	.01	.00	.00	0.	*	1 JAN 1320	161	.01	.00	.01
0.	1 JAN 0055	12	.01	.00	.00	0.	*	1 JAN 1325	162	.01	.00	.01
0.	1 JAN 0100	13	.01	.00	.00	0.	*	1 JAN 1330	163	.01	.00	.01
0.	1 JAN 0105	14	.01	.00	.01	0.	*	1 JAN 1335	164	.01	.00	.01
0.	1 JAN 0110	15	.01	.00	.01	0.	*	1 JAN 1340	165	.01	.00	.01
0.	1 JAN 0115	16	.01	.00	.01	0.	*	1 JAN 1345	166	.01	.00	.01
0.	1 JAN 0120	17	.01	.00	.01	0.	*	1 JAN 1350	167	.01	.00	.01
0.	1 JAN 0125	18	.01	.00	.01	0.	*	1 JAN 1355	168	.01	.00	.01
0.	1 JAN 0130	19	.01	.00	.01	0.	*	1 JAN 1400	169	.01	.00	.01
0.	1 JAN 0135	20	.01	.00	.01	0.	*	1 JAN 1405	170	.01	.00	.01
0.	1 JAN 0140	21	.01	.00	.01	0.	*	1 JAN 1410	171	.01	.00	.01
0.	1 JAN 0145	22	.01	.00	.01	0.	*	1 JAN 1415	172	.01	.00	.01
0.	1 JAN 0150	23	.01	.00	.01	0.	*	1 JAN 1420	173	.01	.00	.01
0.	1 JAN 0155	24	.01	.00	.01	0.	*	1 JAN 1425	174	.01	.00	.01
0.	1 JAN 0200	25	.01	.00	.01	0.	*	1 JAN 1430	175	.01	.00	.01
0.	1 JAN 0205	26	.01	.00	.01	0.	*	1 JAN 1435	176	.01	.00	.01
0.	1 JAN 0210	27	.01	.00	.01	0.	*	1 JAN 1440	177	.01	.00	.01
0.	1 JAN 0215	28	.01	.00	.01	0.	*	1 JAN 1445	178	.01	.00	.01
0.	1 JAN 0220	29	.01	.00	.01	0.	*	1 JAN 1450	179	.01	.00	.01
0.	1 JAN 0225	30	.01	.00	.01	0.	*	1 JAN 1455	180	.01	.00	.01
0.	1 JAN 0230	31	.01	.00	.01	0.	*	1 JAN 1500	181	.01	.00	.01
0.	1 JAN 0235	32	.01	.00	.01	0.	*	1 JAN 1505	182	.01	.00	.00
0.	1 JAN 0240	33	.01	.00	.01	0.	*	1 JAN 1510	183	.01	.00	.00
0.	1 JAN 0245	34	.01	.00	.01	0.	*	1 JAN 1515	184	.01	.00	.00
0.	1 JAN 0250	35	.01	.00	.01	0.	*	1 JAN 1520	185	.01	.00	.00
0.	1 JAN 0255	36	.01	.00	.01	0.	*	1 JAN 1525	186	.01	.00	.00
0.	1 JAN 0300	37	.01	.00	.01	0.	*	1 JAN 1530	187	.01	.00	.00
0.	1 JAN 0305	38	.01	.00	.01	0.	*	1 JAN 1535	188	.01	.00	.00
0.	1 JAN 0310	39	.01	.00	.01	0.	*	1 JAN 1540	189	.01	.00	.00
0.	1 JAN 0315	40	.01	.00	.01	0.	*	1 JAN 1545	190	.01	.00	.00
0.	1 JAN 0320	41	.01	.00	.01	0.	*	1 JAN 1550	191	.01	.00	.00
0.	1 JAN 0325	42	.01	.00	.01	0.	*	1 JAN 1555	192	.01	.00	.00
0.	1 JAN 0330	43	.01	.00	.01	0.	*	1 JAN 1600	193	.01	.00	.00
0.	1 JAN 0335	44	.01	.00	.01	0.	*	1 JAN 1605	194	.01	.00	.00
0.	1 JAN 0340	45	.01	.00	.01	0.	*	1 JAN 1610	195	.01	.00	.00
0.	1 JAN 0345	46	.01	.00	.01	0.	*	1 JAN 1615	196	.01	.00	.00
0.	1 JAN 0350	47	.01	.00	.01	0.	*	1 JAN 1620	197	.01	.00	.00
0.	1 JAN 0355	48	.01	.00	.01	0.	*	1 JAN 1625	198	.01	.00	.00
0.	1 JAN 0400	49	.01	.00	.01	0.	*	1 JAN 1630	199	.01	.00	.00
0.	1 JAN 0405	50	.01	.00	.01	0.	*	1 JAN 1635	200	.01	.00	.00
0.	1 JAN 0410	51	.01	.00	.01	0.	*	1 JAN 1640	201	.01	.00	.00
0.	1 JAN 0415	52	.01	.00	.01	0.	*	1 JAN 1645	202	.01	.00	.00
0.	1 JAN 0420	53	.01	.00	.01	0.	*	1 JAN 1650	203	.01	.00	.00
0.	1 JAN 0425	54	.01	.00	.01	0.	*	1 JAN 1655	204	.01	.00	.00

EGPOST.OUT

0.	1 JAN 0430	55	.01	.00	.01	0.	*	1 JAN 1700	205	.01	.00	.00
0.	1 JAN 0435	56	.01	.00	.01	0.	*	1 JAN 1705	206	.01	.00	.00
0.	1 JAN 0440	57	.01	.00	.01	0.	*	1 JAN 1710	207	.01	.00	.00
0.	1 JAN 0445	58	.01	.00	.01	0.	*	1 JAN 1715	208	.01	.00	.00
0.	1 JAN 0450	59	.01	.00	.01	0.	*	1 JAN 1720	209	.01	.00	.00
0.	1 JAN 0455	60	.01	.00	.01	0.	*	1 JAN 1725	210	.01	.00	.00
0.	1 JAN 0500	61	.01	.00	.01	0.	*	1 JAN 1730	211	.01	.00	.00
0.	1 JAN 0505	62	.01	.00	.01	0.	*	1 JAN 1735	212	.00	.00	.00
0.	1 JAN 0510	63	.01	.00	.01	0.	*	1 JAN 1740	213	.00	.00	.00
0.	1 JAN 0515	64	.01	.00	.01	0.	*	1 JAN 1745	214	.00	.00	.00
0.	1 JAN 0520	65	.01	.00	.01	0.	*	1 JAN 1750	215	.00	.00	.00
0.	1 JAN 0525	66	.01	.00	.01	0.	*	1 JAN 1755	216	.00	.00	.00
0.	1 JAN 0530	67	.01	.00	.01	0.	*	1 JAN 1800	217	.00	.00	.00
0.	1 JAN 0535	68	.01	.00	.01	0.	*	1 JAN 1805	218	.00	.00	.00
0.	1 JAN 0540	69	.01	.00	.01	0.	*	1 JAN 1810	219	.00	.00	.00
0.	1 JAN 0545	70	.01	.00	.01	0.	*	1 JAN 1815	220	.00	.00	.00
0.	1 JAN 0550	71	.01	.00	.01	0.	*	1 JAN 1820	221	.00	.00	.00
0.	1 JAN 0555	72	.01	.00	.01	0.	*	1 JAN 1825	222	.00	.00	.00
0.	1 JAN 0600	73	.01	.00	.01	0.	*	1 JAN 1830	223	.00	.00	.00
0.	1 JAN 0605	74	.01	.00	.01	0.	*	1 JAN 1835	224	.00	.00	.00
0.	1 JAN 0610	75	.01	.00	.01	0.	*	1 JAN 1840	225	.00	.00	.00
0.	1 JAN 0615	76	.01	.00	.01	0.	*	1 JAN 1845	226	.00	.00	.00
0.	1 JAN 0620	77	.01	.00	.01	0.	*	1 JAN 1850	227	.00	.00	.00
0.	1 JAN 0625	78	.01	.00	.01	0.	*	1 JAN 1855	228	.00	.00	.00
0.	1 JAN 0630	79	.01	.00	.01	0.	*	1 JAN 1900	229	.00	.00	.00
0.	1 JAN 0635	80	.01	.00	.01	0.	*	1 JAN 1905	230	.00	.00	.00
0.	1 JAN 0640	81	.01	.00	.01	0.	*	1 JAN 1910	231	.00	.00	.00
0.	1 JAN 0645	82	.01	.00	.01	0.	*	1 JAN 1915	232	.00	.00	.00
0.	1 JAN 0650	83	.01	.00	.01	0.	*	1 JAN 1920	233	.00	.00	.00
0.	1 JAN 0655	84	.01	.00	.01	0.	*	1 JAN 1925	234	.00	.00	.00
0.	1 JAN 0700	85	.01	.00	.01	0.	*	1 JAN 1930	235	.00	.00	.00
0.	1 JAN 0705	86	.02	.00	.01	0.	*	1 JAN 1935	236	.00	.00	.00
0.	1 JAN 0710	87	.02	.00	.01	0.	*	1 JAN 1940	237	.00	.00	.00
0.	1 JAN 0715	88	.02	.00	.01	0.	*	1 JAN 1945	238	.00	.00	.00
0.	1 JAN 0720	89	.02	.00	.01	0.	*	1 JAN 1950	239	.00	.00	.00
0.	1 JAN 0725	90	.02	.00	.01	0.	*	1 JAN 1955	240	.00	.00	.00
0.	1 JAN 0730	91	.02	.00	.01	0.	*	1 JAN 2000	241	.00	.00	.00
0.	1 JAN 0735	92	.02	.01	.01	0.	*	1 JAN 2005	242	.00	.00	.00
0.	1 JAN 0740	93	.02	.01	.01	0.	*	1 JAN 2010	243	.00	.00	.00
0.	1 JAN 0745	94	.02	.01	.01	0.	*	1 JAN 2015	244	.00	.00	.00
0.	1 JAN 0750	95	.02	.01	.01	0.	*	1 JAN 2020	245	.00	.00	.00
0.	1 JAN 0755	96	.02	.01	.01	0.	*	1 JAN 2025	246	.00	.00	.00
0.	1 JAN 0800	97	.02	.01	.01	0.	*	1 JAN 2030	247	.00	.00	.00
0.	1 JAN 0805	98	.02	.01	.02	0.	*	1 JAN 2035	248	.00	.00	.00

						EGPOST.OUT						
0.	1 JAN 0810	99	.02	.01	.02	0.	*	1 JAN 2040	249	.00	.00	.00
0.	1 JAN 0815	100	.02	.01	.02	0.	*	1 JAN 2045	250	.00	.00	.00
0.	1 JAN 0820	101	.02	.01	.02	0.	*	1 JAN 2050	251	.00	.00	.00
0.	1 JAN 0825	102	.02	.01	.02	0.	*	1 JAN 2055	252	.00	.00	.00
0.	1 JAN 0830	103	.02	.01	.02	0.	*	1 JAN 2100	253	.00	.00	.00
0.	1 JAN 0835	104	.03	.01	.02	0.	*	1 JAN 2105	254	.00	.00	.00
0.	1 JAN 0840	105	.03	.01	.02	0.	*	1 JAN 2110	255	.00	.00	.00
0.	1 JAN 0845	106	.03	.01	.02	0.	*	1 JAN 2115	256	.00	.00	.00
0.	1 JAN 0850	107	.03	.01	.02	0.	*	1 JAN 2120	257	.00	.00	.00
0.	1 JAN 0855	108	.03	.01	.02	0.	*	1 JAN 2125	258	.00	.00	.00
0.	1 JAN 0900	109	.03	.01	.02	0.	*	1 JAN 2130	259	.00	.00	.00
0.	1 JAN 0905	110	.04	.01	.03	0.	*	1 JAN 2135	260	.00	.00	.00
0.	1 JAN 0910	111	.04	.01	.03	1.	*	1 JAN 2140	261	.00	.00	.00
0.	1 JAN 0915	112	.04	.01	.03	1.	*	1 JAN 2145	262	.00	.00	.00
0.	1 JAN 0920	113	.04	.01	.03	1.	*	1 JAN 2150	263	.00	.00	.00
0.	1 JAN 0925	114	.04	.01	.03	1.	*	1 JAN 2155	264	.00	.00	.00
0.	1 JAN 0930	115	.04	.01	.03	1.	*	1 JAN 2200	265	.00	.00	.00
0.	1 JAN 0935	116	.07	.02	.05	1.	*	1 JAN 2205	266	.00	.00	.00
0.	1 JAN 0940	117	.07	.02	.05	1.	*	1 JAN 2210	267	.00	.00	.00
0.	1 JAN 0945	118	.07	.02	.05	1.	*	1 JAN 2215	268	.00	.00	.00
0.	1 JAN 0950	119	.07	.02	.05	1.	*	1 JAN 2220	269	.00	.00	.00
0.	1 JAN 0955	120	.07	.02	.05	1.	*	1 JAN 2225	270	.00	.00	.00
0.	1 JAN 1000	121	.07	.02	.05	1.	*	1 JAN 2230	271	.00	.00	.00
0.	1 JAN 1005	122	.07	.02	.05	1.	*	1 JAN 2235	272	.00	.00	.00
0.	1 JAN 1010	123	.07	.02	.05	1.	*	1 JAN 2240	273	.00	.00	.00
0.	1 JAN 1015	124	.07	.02	.05	1.	*	1 JAN 2245	274	.00	.00	.00
0.	1 JAN 1020	125	.07	.02	.05	1.	*	1 JAN 2250	275	.00	.00	.00
0.	1 JAN 1025	126	.07	.02	.05	1.	*	1 JAN 2255	276	.00	.00	.00
0.	1 JAN 1030	127	.07	.02	.05	1.	*	1 JAN 2300	277	.00	.00	.00
0.	1 JAN 1035	128	.02	.00	.01	1.	*	1 JAN 2305	278	.00	.00	.00
0.	1 JAN 1040	129	.02	.00	.01	0.	*	1 JAN 2310	279	.00	.00	.00
0.	1 JAN 1045	130	.02	.00	.01	0.	*	1 JAN 2315	280	.00	.00	.00
0.	1 JAN 1050	131	.02	.00	.01	0.	*	1 JAN 2320	281	.00	.00	.00
0.	1 JAN 1055	132	.02	.00	.01	0.	*	1 JAN 2325	282	.00	.00	.00
0.	1 JAN 1100	133	.02	.00	.01	0.	*	1 JAN 2330	283	.00	.00	.00
0.	1 JAN 1105	134	.01	.00	.01	0.	*	1 JAN 2335	284	.00	.00	.00
0.	1 JAN 1110	135	.01	.00	.01	0.	*	1 JAN 2340	285	.00	.00	.00
0.	1 JAN 1115	136	.01	.00	.01	0.	*	1 JAN 2345	286	.00	.00	.00
0.	1 JAN 1120	137	.01	.00	.01	0.	*	1 JAN 2350	287	.00	.00	.00
0.	1 JAN 1125	138	.01	.00	.01	0.	*	1 JAN 2355	288	.00	.00	.00
0.	1 JAN 1130	139	.01	.00	.01	0.	*	2 JAN 0000	289	.00	.00	.00
0.	1 JAN 1135	140	.01	.00	.01	0.	*	2 JAN 0005	290	.00	.00	.00
0.	1 JAN 1140	141	.01	.00	.01	0.	*	2 JAN 0010	291	.00	.00	.00
0.	1 JAN 1145	142	.01	.00	.01	0.	*	2 JAN 0015	292	.00	.00	.00

						EGPOST.OUT							
0.	1 JAN 1150	143	.01	.00	.01	0.	=	2 JAN 0020	293	.00	.00	.00	
0.	1 JAN 1155	144	.01	.00	.01	0.	=	2 JAN 0025	294	.00	.00	.00	
0.	1 JAN 1200	145	.01	.00	.01	0.	=	2 JAN 0030	295	.00	.00	.00	
0.	1 JAN 1205	146	.01	.00	.01	0.	=	2 JAN 0035	296	.00	.00	.00	
0.	1 JAN 1210	147	.01	.00	.01	0.	=	2 JAN 0040	297	.00	.00	.00	
0.	1 JAN 1215	148	.01	.00	.01	0.	=	2 JAN 0045	298	.00	.00	.00	
0.	1 JAN 1220	149	.01	.00	.01	0.	=	2 JAN 0050	299	.00	.00	.00	
0.	1 JAN 1225	150	.01	.00	.01	0.	=	2 JAN 0055	300	.00	.00	.00	

TOTAL RAINFALL = 3.50, TOTAL LOSS = .88, TOTAL EXCESS = 2.62

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	24, 92-HR
(CFS)	(HR)	(CFS)		24-HR	72-HR		
1.	10.00	0.	0.	0.	0.	0.	0.
		(INCHES)	1.535	2.619	2.622	2.622	2.622
		(AC-FT)	0.	0.	0.	0.	0.
CUMULATIVE AREA =			.00 SQ MI				

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

```
*****
=
33 KK * SW DE * V
*
*****
```

35 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

36 BA SUBBASIN CHARACTERISTICS
TAREA .14 SUBBASIN AREA

8 PB STORM 3.50 BASIN TOTAL PRECIPITATION

10 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	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

.00 .00 .00 EGPOST,OUT .00 .00 .00 .00 .00
 .00 .00 .00 .00 .00 .00 .00 .00 .00

37 LS SCS LOSS RATE
 STRTL .01 INITIAL ABSTRACTION
 CRVNB 36.00 CURVE NUMBER
 RTMP 55.00 PERCENT IMPERVIOUS AREA

38 UD SCS DIMENSIONLESS UNITGRAPH
 TLAG .17 LAG

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

UNIT HYDROGRAPH
 12 END-OF-PERIOD ORDINATES
 105. 311. 307. 182. 91. 48. 25. 13. 7. 4.
 2. 1.

HYDROGRAPH AT STATION SW DE

COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS
7.	1	JAN	0000	1	.00	.00	.00	0.	*	1	JAN	1230	151	.01	.00	.01
7.	1	JAN	0005	2	.01	.00	.00	0.	*	1	JAN	1235	152	.01	.00	.01
7.	1	JAN	0010	3	.01	.00	.00	2.	*	1	JAN	1240	153	.01	.00	.01
7.	1	JAN	0015	4	.01	.00	.00	3.	*	1	JAN	1245	154	.01	.00	.01
7.	1	JAN	0020	5	.01	.00	.00	4.	*	1	JAN	1250	155	.01	.00	.01
7.	1	JAN	0025	6	.01	.00	.00	4.	*	1	JAN	1255	156	.01	.00	.01
7.	1	JAN	0030	7	.01	.00	.00	5.	*	1	JAN	1300	157	.01	.00	.01
7.	1	JAN	0035	8	.01	.00	.00	5.	*	1	JAN	1305	158	.01	.00	.01
7.	1	JAN	0040	9	.01	.00	.00	4.	*	1	JAN	1310	159	.01	.00	.01
7.	1	JAN	0045	10	.01	.00	.00	4.	*	1	JAN	1315	160	.01	.00	.01
7.	1	JAN	0050	11	.01	.00	.00	4.	*	1	JAN	1320	161	.01	.00	.01
7.	1	JAN	0055	12	.01	.00	.00	4.	*	1	JAN	1325	162	.01	.00	.01
7.	1	JAN	0100	13	.01	.00	.00	4.	*	1	JAN	1330	163	.01	.00	.01
6.	1	JAN	0105	14	.01	.00	.00	4.	*	1	JAN	1335	164	.01	.00	.01
6.	1	JAN	0110	15	.01	.00	.00	4.	*	1	JAN	1340	165	.01	.00	.01
6.	1	JAN	0115	16	.01	.00	.00	4.	*	1	JAN	1345	166	.01	.00	.01
6.	1	JAN	0120	17	.01	.00	.00	5.	*	1	JAN	1350	167	.01	.00	.01
6.	1	JAN	0125	18	.01	.00	.00	5.	*	1	JAN	1355	168	.01	.00	.01
6.	1	JAN	0130	19	.01	.00	.00	5.	*	1	JAN	1400	169	.01	.00	.01
6.	1	JAN	0135	20	.01	.00	.00	5.	*	1	JAN	1405	170	.01	.00	.00
6.	1	JAN	0140	21	.01	.00	.00	5.	*	1	JAN	1410	171	.01	.00	.00
5.	1	JAN	0145	22	.01	.00	.00	5.	*	1	JAN	1415	172	.01	.00	.00
5.	1	JAN	0150	23	.01	.00	.00	5.	*	1	JAN	1420	173	.01	.00	.00
5.	1	JAN	0155	24	.01	.00	.00	5.	*	1	JAN	1425	174	.01	.00	.00
5.	1	JAN	0200	25	.01	.00	.00	5.	*	1	JAN	1430	175	.01	.00	.00
5.	1	JAN	0205	26	.01	.00	.00	5.	*	1	JAN	1435	176	.01	.00	.00
5.	1	JAN	0210	27	.01	.00	.00	5.	*	1	JAN	1440	177	.01	.00	.00
5.	1	JAN	0215	28	.01	.00	.00	5.	*	1	JAN	1445	178	.01	.00	.00

EGPOST,OUT

5.	1 JAN 0220	29	.01	.00	.00	5.	*	1 JAN 1450	179	.01	.00	.00
5.	1 JAN 0225	30	.01	.00	.00	5.	*	1 JAN 1455	180	.01	.00	.00
5.	1 JAN 0230	31	.01	.00	.00	5.	*	1 JAN 1500	181	.01	.00	.00
5.	1 JAN 0235	32	.01	.00	.00	5.	*	1 JAN 1505	182	.01	.00	.00
5.	1 JAN 0240	33	.01	.00	.00	5.	*	1 JAN 1510	183	.01	.00	.00
5.	1 JAN 0245	34	.01	.00	.00	5.	*	1 JAN 1515	184	.01	.00	.00
5.	1 JAN 0250	35	.01	.00	.00	5.	*	1 JAN 1520	185	.01	.00	.00
5.	1 JAN 0255	36	.01	.00	.00	5.	*	1 JAN 1525	186	.01	.00	.00
5.	1 JAN 0300	37	.01	.00	.00	5.	*	1 JAN 1530	187	.01	.00	.00
5.	1 JAN 0305	38	.01	.00	.01	5.	*	1 JAN 1535	188	.01	.00	.00
5.	1 JAN 0310	39	.01	.00	.01	5.	*	1 JAN 1540	189	.01	.00	.00
5.	1 JAN 0315	40	.01	.00	.01	6.	*	1 JAN 1545	190	.01	.00	.00
4.	1 JAN 0320	41	.01	.00	.01	6.	*	1 JAN 1550	191	.01	.00	.00
4.	1 JAN 0325	42	.01	.00	.01	6.	*	1 JAN 1555	192	.01	.00	.00
4.	1 JAN 0330	43	.01	.00	.01	6.	*	1 JAN 1600	193	.01	.00	.00
4.	1 JAN 0335	44	.01	.00	.01	6.	*	1 JAN 1605	194	.01	.00	.00
4.	1 JAN 0340	45	.01	.00	.01	6.	*	1 JAN 1610	195	.01	.00	.00
4.	1 JAN 0345	46	.01	.00	.01	6.	*	1 JAN 1615	196	.01	.00	.00
4.	1 JAN 0350	47	.01	.00	.01	6.	*	1 JAN 1620	197	.01	.00	.00
4.	1 JAN 0355	48	.01	.00	.01	6.	*	1 JAN 1625	198	.01	.00	.00
4.	1 JAN 0400	49	.01	.00	.01	6.	*	1 JAN 1630	199	.01	.00	.00
4.	1 JAN 0405	50	.01	.00	.01	6.	*	1 JAN 1635	200	.01	.00	.00
4.	1 JAN 0410	51	.01	.00	.01	6.	*	1 JAN 1640	201	.01	.00	.00
4.	1 JAN 0415	52	.01	.00	.01	6.	*	1 JAN 1645	202	.01	.00	.00
4.	1 JAN 0420	53	.01	.00	.01	6.	*	1 JAN 1650	203	.01	.00	.00
4.	1 JAN 0425	54	.01	.00	.01	6.	*	1 JAN 1655	204	.01	.00	.00
4.	1 JAN 0430	55	.01	.00	.01	6.	*	1 JAN 1700	205	.01	.00	.00
4.	1 JAN 0435	56	.01	.00	.01	6.	*	1 JAN 1705	206	.01	.00	.00
4.	1 JAN 0440	57	.01	.00	.01	7.	*	1 JAN 1710	207	.01	.00	.00
4.	1 JAN 0445	58	.01	.00	.01	7.	*	1 JAN 1715	208	.01	.00	.00
4.	1 JAN 0450	59	.01	.00	.01	7.	*	1 JAN 1720	209	.01	.00	.00
4.	1 JAN 0455	60	.01	.00	.01	7.	*	1 JAN 1725	210	.01	.00	.00
4.	1 JAN 0500	61	.01	.00	.01	7.	*	1 JAN 1730	211	.01	.00	.00
4.	1 JAN 0505	62	.01	.00	.01	7.	*	1 JAN 1735	212	.00	.00	.00
4.	1 JAN 0510	63	.01	.00	.01	7.	*	1 JAN 1740	213	.00	.00	.00
4.	1 JAN 0515	64	.01	.00	.01	7.	*	1 JAN 1745	214	.00	.00	.00
4.	1 JAN 0520	65	.01	.00	.01	7.	*	1 JAN 1750	215	.00	.00	.00
4.	1 JAN 0525	66	.01	.00	.01	7.	*	1 JAN 1755	216	.00	.00	.00
4.	1 JAN 0530	67	.01	.00	.01	7.	*	1 JAN 1800	217	.00	.00	.00
4.	1 JAN 0535	68	.01	.01	.01	7.	*	1 JAN 1805	218	.00	.00	.00
4.	1 JAN 0540	69	.01	.01	.01	8.	*	1 JAN 1810	219	.00	.00	.00
4.	1 JAN 0545	70	.01	.01	.01	8.	*	1 JAN 1815	220	.00	.00	.00
4.	1 JAN 0550	71	.01	.01	.01	8.	*	1 JAN 1820	221	.00	.00	.00
4.	1 JAN 0555	72	.01	.01	.01	8.	*	1 JAN 1825	222	.00	.00	.00

EGPOST.OUT

4.	1 JAN 0600	73	.01	.01	.01	8.	*	1 JAN 1830	223	.00	.00	.00
4.	1 JAN 0605	74	.01	.01	.01	8.	*	1 JAN 1835	224	.00	.00	.00
3.	1 JAN 0610	75	.01	.01	.01	8.	*	1 JAN 1840	225	.00	.00	.00
3.	1 JAN 0615	76	.01	.01	.01	8.	*	1 JAN 1845	226	.00	.00	.00
3.	1 JAN 0620	77	.01	.01	.01	8.	*	1 JAN 1850	227	.00	.00	.00
3.	1 JAN 0625	78	.01	.01	.01	9.	*	1 JAN 1855	228	.00	.00	.00
3.	1 JAN 0630	79	.01	.01	.01	9.	*	1 JAN 1900	229	.00	.00	.00
3.	1 JAN 0635	80	.01	.01	.01	9.	*	1 JAN 1905	230	.00	.00	.00
3.	1 JAN 0640	81	.01	.01	.01	9.	*	1 JAN 1910	231	.00	.00	.00
3.	1 JAN 0645	82	.01	.01	.01	9.	*	1 JAN 1915	232	.00	.00	.00
3.	1 JAN 0650	83	.01	.01	.01	9.	*	1 JAN 1920	233	.00	.00	.00
3.	1 JAN 0655	84	.01	.01	.01	9.	*	1 JAN 1925	234	.00	.00	.00
3.	1 JAN 0700	85	.01	.01	.01	9.	*	1 JAN 1930	235	.00	.00	.00
3.	1 JAN 0705	86	.02	.01	.01	10.	*	1 JAN 1935	236	.00	.00	.00
3.	1 JAN 0710	87	.02	.01	.01	10.	*	1 JAN 1940	237	.00	.00	.00
3.	1 JAN 0715	88	.02	.01	.01	10.	*	1 JAN 1945	238	.00	.00	.00
3.	1 JAN 0720	89	.02	.01	.01	11.	*	1 JAN 1950	239	.00	.00	.00
3.	1 JAN 0725	90	.02	.01	.01	11.	*	1 JAN 1955	240	.00	.00	.00
3.	1 JAN 0730	91	.02	.01	.01	11.	*	1 JAN 2000	241	.00	.00	.00
3.	1 JAN 0735	92	.02	.01	.01	11.	*	1 JAN 2005	242	.00	.00	.00
3.	1 JAN 0740	93	.02	.01	.01	11.	*	1 JAN 2010	243	.00	.00	.00
3.	1 JAN 0745	94	.02	.01	.01	12.	*	1 JAN 2015	244	.00	.00	.00
3.	1 JAN 0750	95	.02	.01	.01	12.	*	1 JAN 2020	245	.00	.00	.00
3.	1 JAN 0755	96	.02	.01	.01	12.	*	1 JAN 2025	246	.00	.00	.00
3.	1 JAN 0800	97	.02	.01	.01	12.	*	1 JAN 2030	247	.00	.00	.00
3.	1 JAN 0805	98	.02	.01	.01	13.	*	1 JAN 2035	248	.00	.00	.00
3.	1 JAN 0810	99	.02	.01	.01	13.	*	1 JAN 2040	249	.00	.00	.00
3.	1 JAN 0815	100	.02	.01	.01	14.	*	1 JAN 2045	250	.00	.00	.00
3.	1 JAN 0820	101	.02	.01	.01	14.	*	1 JAN 2050	251	.00	.00	.00
3.	1 JAN 0825	102	.02	.01	.01	15.	*	1 JAN 2055	252	.00	.00	.00
3.	1 JAN 0830	103	.02	.01	.01	15.	*	1 JAN 2100	253	.00	.00	.00
3.	1 JAN 0835	104	.03	.01	.02	15.	*	1 JAN 2105	254	.00	.00	.00
3.	1 JAN 0840	105	.03	.01	.02	16.	*	1 JAN 2110	255	.00	.00	.00
3.	1 JAN 0845	106	.03	.01	.02	17.	*	1 JAN 2115	256	.00	.00	.00
3.	1 JAN 0850	107	.03	.01	.02	18.	*	1 JAN 2120	257	.00	.00	.00
3.	1 JAN 0855	108	.03	.01	.02	18.	*	1 JAN 2125	258	.00	.00	.00
3.	1 JAN 0900	109	.03	.01	.02	18.	*	1 JAN 2130	259	.00	.00	.00
3.	1 JAN 0905	110	.04	.02	.03	19.	*	1 JAN 2135	260	.00	.00	.00
3.	1 JAN 0910	111	.04	.02	.03	22.	*	1 JAN 2140	261	.00	.00	.00
3.	1 JAN 0915	112	.04	.02	.03	25.	*	1 JAN 2145	262	.00	.00	.00
3.	1 JAN 0920	113	.04	.02	.03	26.	*	1 JAN 2150	263	.00	.00	.00
3.	1 JAN 0925	114	.04	.02	.03	27.	*	1 JAN 2155	264	.00	.00	.00
3.	1 JAN 0930	115	.04	.02	.03	27.	*	1 JAN 2200	265	.00	.00	.00
3.	1 JAN 0935	116	.07	.03	.04	30.	*	1 JAN 2205	266	.00	.00	.00

EGPOST.OUT

3.	1 JAN 0940	117	.07	.03	.05	36.	*	1 JAN 2210	267	.00	.00	.00
3.	1 JAN 0945	118	.07	.03	.05	42.	*	1 JAN 2215	268	.00	.00	.00
3.	1 JAN 0950	119	.07	.03	.05	46.	*	1 JAN 2220	269	.00	.00	.00
3.	1 JAN 0955	120	.07	.03	.05	48.	*	1 JAN 2225	270	.00	.00	.00
3.	1 JAN 1000	121	.07	.03	.05	49.	*	1 JAN 2230	271	.00	.00	.00
3.	1 JAN 1005	122	.07	.02	.04	49.	*	1 JAN 2235	272	.00	.00	.00
3.	1 JAN 1010	123	.07	.02	.04	49.	*	1 JAN 2240	273	.00	.00	.00
3.	1 JAN 1015	124	.07	.02	.04	48.	*	1 JAN 2245	274	.00	.00	.00
3.	1 JAN 1020	125	.07	.02	.04	48.	*	1 JAN 2250	275	.00	.00	.00
3.	1 JAN 1025	126	.07	.02	.04	48.	*	1 JAN 2255	276	.00	.00	.00
3.	1 JAN 1030	127	.07	.02	.04	48.	*	1 JAN 2300	277	.00	.00	.00
3.	1 JAN 1035	128	.02	.01	.01	45.	*	1 JAN 2305	278	.00	.00	.00
3.	1 JAN 1040	129	.02	.01	.01	35.	*	1 JAN 2310	279	.00	.00	.00
3.	1 JAN 1045	130	.02	.01	.01	25.	*	1 JAN 2315	280	.00	.00	.00
3.	1 JAN 1050	131	.02	.01	.01	20.	*	1 JAN 2320	281	.00	.00	.00
3.	1 JAN 1055	132	.02	.01	.01	17.	*	1 JAN 2325	282	.00	.00	.00
3.	1 JAN 1100	133	.02	.01	.01	15.	*	1 JAN 2330	283	.00	.00	.00
3.	1 JAN 1105	134	.01	.00	.01	14.	*	1 JAN 2335	284	.00	.00	.00
3.	1 JAN 1110	135	.01	.00	.01	13.	*	1 JAN 2340	285	.00	.00	.00
3.	1 JAN 1115	136	.01	.00	.01	12.	*	1 JAN 2345	286	.00	.00	.00
3.	1 JAN 1120	137	.01	.00	.01	11.	*	1 JAN 2350	287	.00	.00	.00
3.	1 JAN 1125	138	.01	.00	.01	11.	*	1 JAN 2355	288	.00	.00	.00
3.	1 JAN 1130	139	.01	.00	.01	11.	*	2 JAN 0000	289	.00	.00	.00
2.	1 JAN 1135	140	.01	.00	.01	10.	*	2 JAN 0005	290	.00	.00	.00
2.	1 JAN 1140	141	.01	.00	.01	10.	*	2 JAN 0010	291	.00	.00	.00
2.	1 JAN 1145	142	.01	.00	.01	9.	*	2 JAN 0015	292	.00	.00	.00
1.	1 JAN 1150	143	.01	.00	.01	9.	*	2 JAN 0020	293	.00	.00	.00
0.	1 JAN 1155	144	.01	.00	.01	9.	*	2 JAN 0025	294	.00	.00	.00
0.	1 JAN 1200	145	.01	.00	.01	9.	*	2 JAN 0030	295	.00	.00	.00
0.	1 JAN 1205	146	.01	.00	.01	9.	*	2 JAN 0035	296	.00	.00	.00
0.	1 JAN 1210	147	.01	.00	.01	8.	*	2 JAN 0040	297	.00	.00	.00
0.	1 JAN 1215	148	.01	.00	.01	8.	*	2 JAN 0045	298	.00	.00	.00
0.	1 JAN 1220	149	.01	.00	.01	8.	*	2 JAN 0050	299	.00	.00	.00
0.	1 JAN 1225	150	.01	.00	.01	8.	*	2 JAN 0055	300	.00	.00	.00

TOTAL RAINFALL = 3.50, TOTAL LOSS = 1.32, TOTAL EXCESS = 2.18

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
49.	10.08	19. 1.277 (INCHES) (AC-FT)	8. 2.179 16.	8. 2.183 16.	8. 2.183 16.
CUMULATIVE AREA =		.14 SQ MI			

*** ** ** ** **

39 KK * SW UN * DEV *****

41 KO OUTPUT CONTROL VARIABLES IPRNT 1 PRINT CONTROL IPLLOT 0 PLOT CONTROL QSCAL 0. HYDROGRAPH PLOT SCALE

SUBBASIN RUNOFF DATA

42 BA SUBBASIN CHARACTERISTICS TAREA .16 SUBBASIN AREA

PRECIPITATION DATA

8 PB STORM 3.50 BASIN TOTAL PRECIPITATION

Table with 10 columns and 20 rows of precipitation data values, including .00 and .01 increments.

43 LS SCS LOSS RATE STRTL .01 INITIAL ABSTRACTION CRVNB 36.00 CURVE NUMBER RTIMP 2.00 PERCENT IMPERVIOUS AREA

44 UD SCS DIMENSIONLESS UNITGRAPH TLAG .30 LAG

UNIT HYDROGRAPH 20 END-OF-PERIOD ORDINATES

Table with 10 columns of ordinates: 32., 105., 197., 227., 206., 159., 100., 67., 46., 30.

HYDROGRAPH AT STATION SW UN

Table with 15 columns: COMP Q, DA, MON, HRMN, ORD, RAIN, LOSS, EXCESS, COMP Q, DA, MON, HRMN, ORD, RAIN, LOSS, EXCESS.

						EGPOST-OUT						
3.	1 JAN 0010	3	.01	.01	.00	0.	*	1 JAN 1240	153	.01	.01	.00
3.	1 JAN 0015	4	.01	.01	.00	0.	*	1 JAN 1245	154	.01	.01	.00
3.	1 JAN 0020	5	.01	.01	.00	0.	*	1 JAN 1250	155	.01	.01	.00
3.	1 JAN 0025	6	.01	.01	.00	0.	*	1 JAN 1255	156	.01	.01	.00
3.	1 JAN 0030	7	.01	.01	.00	0.	*	1 JAN 1300	157	.01	.01	.00
3.	1 JAN 0035	8	.01	.01	.00	0.	*	1 JAN 1305	158	.01	.01	.00
3.	1 JAN 0040	9	.01	.01	.00	0.	*	1 JAN 1310	159	.01	.01	.00
3.	1 JAN 0045	10	.01	.01	.00	0.	*	1 JAN 1315	160	.01	.01	.00
3.	1 JAN 0050	11	.01	.01	.00	0.	*	1 JAN 1320	161	.01	.01	.00
3.	1 JAN 0055	12	.01	.01	.00	0.	*	1 JAN 1325	162	.01	.01	.00
3.	1 JAN 0100	13	.01	.01	.00	0.	*	1 JAN 1330	163	.01	.01	.00
3.	1 JAN 0105	14	.01	.01	.00	0.	*	1 JAN 1335	164	.01	.01	.00
3.	1 JAN 0110	15	.01	.01	.00	0.	*	1 JAN 1340	165	.01	.01	.00
3.	1 JAN 0115	16	.01	.01	.00	0.	*	1 JAN 1345	166	.01	.01	.00
3.	1 JAN 0120	17	.01	.01	.00	0.	*	1 JAN 1350	167	.01	.01	.00
3.	1 JAN 0125	18	.01	.01	.00	0.	*	1 JAN 1355	168	.01	.01	.00
3.	1 JAN 0130	19	.01	.01	.00	0.	*	1 JAN 1400	169	.01	.01	.00
3.	1 JAN 0135	20	.01	.01	.00	0.	*	1 JAN 1405	170	.01	.01	.00
3.	1 JAN 0140	21	.01	.01	.00	0.	*	1 JAN 1410	171	.01	.01	.00
3.	1 JAN 0145	22	.01	.01	.00	0.	*	1 JAN 1415	172	.01	.01	.00
3.	1 JAN 0150	23	.01	.01	.00	0.	*	1 JAN 1420	173	.01	.01	.00
3.	1 JAN 0155	24	.01	.01	.00	0.	*	1 JAN 1425	174	.01	.01	.00
3.	1 JAN 0200	25	.01	.01	.00	0.	*	1 JAN 1430	175	.01	.01	.00
2.	1 JAN 0205	26	.01	.01	.00	0.	*	1 JAN 1435	176	.01	.00	.00
2.	1 JAN 0210	27	.01	.01	.00	0.	*	1 JAN 1440	177	.01	.00	.00
2.	1 JAN 0215	28	.01	.01	.00	0.	*	1 JAN 1445	178	.01	.00	.00
2.	1 JAN 0220	29	.01	.01	.00	0.	*	1 JAN 1450	179	.01	.00	.00
2.	1 JAN 0225	30	.01	.01	.00	0.	*	1 JAN 1455	180	.01	.00	.00
2.	1 JAN 0230	31	.01	.01	.00	0.	*	1 JAN 1500	181	.01	.00	.00
2.	1 JAN 0235	32	.01	.01	.00	0.	*	1 JAN 1505	182	.01	.00	.00
2.	1 JAN 0240	33	.01	.01	.00	0.	*	1 JAN 1510	183	.01	.00	.00
2.	1 JAN 0245	34	.01	.01	.00	0.	*	1 JAN 1515	184	.01	.00	.00
2.	1 JAN 0250	35	.01	.01	.00	0.	*	1 JAN 1520	185	.01	.00	.00
2.	1 JAN 0255	36	.01	.01	.00	0.	*	1 JAN 1525	186	.01	.00	.00
2.	1 JAN 0300	37	.01	.01	.00	0.	*	1 JAN 1530	187	.01	.00	.00
2.	1 JAN 0305	38	.01	.01	.00	0.	*	1 JAN 1535	188	.01	.00	.00
2.	1 JAN 0310	39	.01	.01	.00	1.	*	1 JAN 1540	189	.01	.00	.00
2.	1 JAN 0315	40	.01	.01	.00	1.	*	1 JAN 1545	190	.01	.00	.00
2.	1 JAN 0320	41	.01	.01	.00	1.	*	1 JAN 1550	191	.01	.00	.00
2.	1 JAN 0325	42	.01	.01	.00	1.	*	1 JAN 1555	192	.01	.00	.00
2.	1 JAN 0330	43	.01	.01	.00	1.	*	1 JAN 1600	193	.01	.00	.00
2.	1 JAN 0335	44	.01	.01	.00	1.	*	1 JAN 1605	194	.01	.00	.00
2.	1 JAN 0340	45	.01	.01	.00	1.	*	1 JAN 1610	195	.01	.00	.00
2.	1 JAN 0345	46	.01	.01	.00	1.	*	1 JAN 1615	196	.01	.00	.00

EGPOST.OUT

2.	1 JAN 0350	47	.01	.01	.00	1.	*	1 JAN 1620	197	.01	.00	.00
2.	1 JAN 0355	48	.01	.01	.00	1.	*	1 JAN 1625	198	.01	.00	.00
2.	1 JAN 0400	49	.01	.01	.00	1.	*	1 JAN 1630	199	.01	.00	.00
2.	1 JAN 0405	50	.01	.01	.00	1.	*	1 JAN 1635	200	.01	.00	.00
2.	1 JAN 0410	51	.01	.01	.00	1.	*	1 JAN 1640	201	.01	.00	.00
2.	1 JAN 0415	52	.01	.01	.00	1.	*	1 JAN 1645	202	.01	.00	.00
2.	1 JAN 0420	53	.01	.01	.00	1.	*	1 JAN 1650	203	.01	.00	.00
2.	1 JAN 0425	54	.01	.01	.00	1.	*	1 JAN 1655	204	.01	.00	.00
2.	1 JAN 0430	55	.01	.01	.00	1.	*	1 JAN 1700	205	.01	.00	.00
2.	1 JAN 0435	56	.01	.01	.00	1.	*	1 JAN 1705	206	.01	.00	.00
2.	1 JAN 0440	57	.01	.01	.00	1.	*	1 JAN 1710	207	.01	.00	.00
2.	1 JAN 0445	58	.01	.01	.00	1.	*	1 JAN 1715	208	.01	.00	.00
2.	1 JAN 0450	59	.01	.01	.00	1.	*	1 JAN 1720	209	.01	.00	.00
2.	1 JAN 0455	60	.01	.01	.00	1.	*	1 JAN 1725	210	.01	.00	.00
2.	1 JAN 0500	61	.01	.01	.00	1.	*	1 JAN 1730	211	.01	.00	.00
2.	1 JAN 0505	62	.01	.01	.00	1.	*	1 JAN 1735	212	.00	.00	.00
2.	1 JAN 0510	63	.01	.01	.00	1.	*	1 JAN 1740	213	.00	.00	.00
2.	1 JAN 0515	64	.01	.01	.00	1.	*	1 JAN 1745	214	.00	.00	.00
2.	1 JAN 0520	65	.01	.01	.00	1.	*	1 JAN 1750	215	.00	.00	.00
2.	1 JAN 0525	66	.01	.01	.00	1.	*	1 JAN 1755	216	.00	.00	.00
2.	1 JAN 0530	67	.01	.01	.00	1.	*	1 JAN 1800	217	.00	.00	.00
2.	1 JAN 0535	68	.01	.01	.00	1.	*	1 JAN 1805	218	.00	.00	.00
2.	1 JAN 0540	69	.01	.01	.00	1.	*	1 JAN 1810	219	.00	.00	.00
2.	1 JAN 0545	70	.01	.01	.00	1.	*	1 JAN 1815	220	.00	.00	.00
2.	1 JAN 0550	71	.01	.01	.00	1.	*	1 JAN 1820	221	.00	.00	.00
2.	1 JAN 0555	72	.01	.01	.00	1.	*	1 JAN 1825	222	.00	.00	.00
2.	1 JAN 0600	73	.01	.01	.00	1.	*	1 JAN 1830	223	.00	.00	.00
2.	1 JAN 0605	74	.01	.01	.00	1.	*	1 JAN 1835	224	.00	.00	.00
2.	1 JAN 0610	75	.01	.01	.00	1.	*	1 JAN 1840	225	.00	.00	.00
2.	1 JAN 0615	76	.01	.01	.00	1.	*	1 JAN 1845	226	.00	.00	.00
2.	1 JAN 0620	77	.01	.01	.00	1.	*	1 JAN 1850	227	.00	.00	.00
2.	1 JAN 0625	78	.01	.01	.00	1.	*	1 JAN 1855	228	.00	.00	.00
2.	1 JAN 0630	79	.01	.01	.00	1.	*	1 JAN 1900	229	.00	.00	.00
2.	1 JAN 0635	80	.01	.01	.00	2.	*	1 JAN 1905	230	.00	.00	.00
2.	1 JAN 0640	81	.01	.01	.00	2.	*	1 JAN 1910	231	.00	.00	.00
2.	1 JAN 0645	82	.01	.01	.00	2.	*	1 JAN 1915	232	.00	.00	.00
2.	1 JAN 0650	83	.01	.01	.00	2.	*	1 JAN 1920	233	.00	.00	.00
2.	1 JAN 0655	84	.01	.01	.00	2.	*	1 JAN 1925	234	.00	.00	.00
2.	1 JAN 0700	85	.01	.01	.00	2.	*	1 JAN 1930	235	.00	.00	.00
2.	1 JAN 0705	86	.02	.01	.00	2.	*	1 JAN 1935	236	.00	.00	.00
2.	1 JAN 0710	87	.02	.01	.00	2.	*	1 JAN 1940	237	.00	.00	.00
2.	1 JAN 0715	88	.02	.01	.00	2.	*	1 JAN 1945	238	.00	.00	.00
2.	1 JAN 0720	89	.02	.01	.00	2.	*	1 JAN 1950	239	.00	.00	.00
2.	1 JAN 0725	90	.02	.01	.00	2.	*	1 JAN 1955	240	.00	.00	.00

						EGPOST .OUT						
2.	1 JAN 0730	91	.02	.01	.00	2.	*	1 JAN 2000	241	.00	.00	.00
2.	1 JAN 0735	92	.02	.02	.00	2.	*	1 JAN 2005	242	.00	.00	.00
2.	1 JAN 0740	93	.02	.02	.00	2.	*	1 JAN 2010	243	.00	.00	.00
2.	1 JAN 0745	94	.02	.02	.00	2.	*	1 JAN 2015	244	.00	.00	.00
2.	1 JAN 0750	95	.02	.02	.00	2.	*	1 JAN 2020	245	.00	.00	.00
2.	1 JAN 0755	96	.02	.02	.00	3.	*	1 JAN 2025	246	.00	.00	.00
2.	1 JAN 0800	97	.02	.02	.00	3.	*	1 JAN 2030	247	.00	.00	.00
2.	1 JAN 0805	98	.02	.02	.00	3.	*	1 JAN 2035	248	.00	.00	.00
2.	1 JAN 0810	99	.02	.02	.00	3.	*	1 JAN 2040	249	.00	.00	.00
2.	1 JAN 0815	100	.02	.02	.00	3.	*	1 JAN 2045	250	.00	.00	.00
2.	1 JAN 0820	101	.02	.02	.00	3.	*	1 JAN 2050	251	.00	.00	.00
2.	1 JAN 0825	102	.02	.02	.00	3.	*	1 JAN 2055	252	.00	.00	.00
2.	1 JAN 0830	103	.02	.02	.00	3.	*	1 JAN 2100	253	.00	.00	.00
2.	1 JAN 0835	104	.03	.02	.00	4.	*	1 JAN 2105	254	.00	.00	.00
1.	1 JAN 0840	105	.03	.02	.00	4.	*	1 JAN 2110	255	.00	.00	.00
1.	1 JAN 0845	106	.03	.02	.00	4.	*	1 JAN 2115	256	.00	.00	.00
1.	1 JAN 0850	107	.03	.02	.00	4.	*	1 JAN 2120	257	.00	.00	.00
1.	1 JAN 0855	108	.03	.02	.00	4.	*	1 JAN 2125	258	.00	.00	.00
1.	1 JAN 0900	109	.03	.02	.00	5.	*	1 JAN 2130	259	.00	.00	.00
1.	1 JAN 0905	110	.04	.03	.01	5.	*	1 JAN 2135	260	.00	.00	.00
1.	1 JAN 0910	111	.04	.03	.01	5.	*	1 JAN 2140	261	.00	.00	.00
1.	1 JAN 0915	112	.04	.03	.01	6.	*	1 JAN 2145	262	.00	.00	.00
1.	1 JAN 0920	113	.04	.03	.01	6.	*	1 JAN 2150	263	.00	.00	.00
1.	1 JAN 0925	114	.04	.03	.01	7.	*	1 JAN 2155	264	.00	.00	.00
1.	1 JAN 0930	115	.04	.03	.01	7.	*	1 JAN 2200	265	.00	.00	.00
1.	1 JAN 0935	116	.07	.06	.01	8.	*	1 JAN 2205	266	.00	.00	.00
1.	1 JAN 0940	117	.07	.06	.01	9.	*	1 JAN 2210	267	.00	.00	.00
1.	1 JAN 0945	118	.07	.06	.01	10.	*	1 JAN 2215	268	.00	.00	.00
1.	1 JAN 0950	119	.07	.06	.01	12.	*	1 JAN 2220	269	.00	.00	.00
1.	1 JAN 0955	120	.07	.06	.01	13.	*	1 JAN 2225	270	.00	.00	.00
1.	1 JAN 1000	121	.07	.06	.01	15.	*	1 JAN 2230	271	.00	.00	.00
1.	1 JAN 1005	122	.07	.05	.01	16.	*	1 JAN 2235	272	.00	.00	.00
1.	1 JAN 1010	123	.07	.05	.01	16.	*	1 JAN 2240	273	.00	.00	.00
1.	1 JAN 1015	124	.07	.05	.02	17.	*	1 JAN 2245	274	.00	.00	.00
1.	1 JAN 1020	125	.07	.05	.02	17.	*	1 JAN 2250	275	.00	.00	.00
1.	1 JAN 1025	126	.07	.05	.02	18.	*	1 JAN 2255	276	.00	.00	.00
1.	1 JAN 1030	127	.07	.05	.02	18.	*	1 JAN 2300	277	.00	.00	.00
1.	1 JAN 1035	128	.02	.01	.00	18.	*	1 JAN 2305	278	.00	.00	.00
1.	1 JAN 1040	129	.02	.01	.00	17.	*	1 JAN 2310	279	.00	.00	.00
1.	1 JAN 1045	130	.02	.01	.00	15.	*	1 JAN 2315	280	.00	.00	.00
1.	1 JAN 1050	131	.02	.01	.00	13.	*	1 JAN 2320	281	.00	.00	.00
1.	1 JAN 1055	132	.02	.01	.00	11.	*	1 JAN 2325	282	.00	.00	.00
1.	1 JAN 1100	133	.02	.01	.00	9.	*	1 JAN 2330	283	.00	.00	.00
1.	1 JAN 1105	134	.01	.01	.00	8.	*	1 JAN 2335	284	.00	.00	.00

1.	1 JAN 1110	135	.01	.01	.00	EGPOST,OUT	*	1 JAN 2340	285	.00	.00	.00
1.	1 JAN 1115	136	.01	.01	.00	7.	*	1 JAN 2345	286	.00	.00	.00
1.	1 JAN 1120	137	.01	.01	.00	6.	*	1 JAN 2350	287	.00	.00	.00
1.	1 JAN 1125	138	.01	.01	.00	6.	*	1 JAN 2355	288	.00	.00	.00
1.	1 JAN 1130	139	.01	.01	.00	5.	*	2 JAN 0000	289	.00	.00	.00
1.	1 JAN 1135	140	.01	.01	.00	5.	*	2 JAN 0005	290	.00	.00	.00
1.	1 JAN 1140	141	.01	.01	.00	5.	*	2 JAN 0010	291	.00	.00	.00
1.	1 JAN 1145	142	.01	.01	.00	5.	*	2 JAN 0015	292	.00	.00	.00
1.	1 JAN 1150	143	.01	.01	.00	4.	*	2 JAN 0020	293	.00	.00	.00
1.	1 JAN 1155	144	.01	.01	.00	4.	*	2 JAN 0025	294	.00	.00	.00
0.	1 JAN 1200	145	.01	.01	.00	4.	*	2 JAN 0030	295	.00	.00	.00
0.	1 JAN 1205	146	.01	.01	.00	4.	*	2 JAN 0035	296	.00	.00	.00
0.	1 JAN 1210	147	.01	.01	.00	4.	*	2 JAN 0040	297	.00	.00	.00
0.	1 JAN 1215	148	.01	.01	.00	4.	*	2 JAN 0045	298	.00	.00	.00
0.	1 JAN 1220	149	.01	.01	.00	4.	*	2 JAN 0050	299	.00	.00	.00
0.	1 JAN 1225	150	.01	.01	.00	4.	*	2 JAN 0055	300	.00	.00	.00

TOTAL RAINFALL = 3.50, TOTAL LOSS = 2.87, TOTAL EXCESS = .63

+	PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)	(CFS)					
+	18.	10.58		7.	3.	3.	3.	
			(INCHES)	.386	.630	.631	.631	
			(AC-FT)	3.	5.	5.	5.	

CUMULATIVE AREA = .16 SQ MI

*** **

45 KK *****
* *
* SWJUN * C
* *

47 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

48 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION SWJUN
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD
1	JAN	0000	1	0.	*	1	JAN	0615	76	10.	*	1	JAN	1230	151	11.	*	1	JAN	1845	226

						EGPOST.OUT							
1 JAN 0005	2	0.	*	1 JAN 0620	77	10.	*	1 JAN 1235	152	11.	*	1 JAN 1850	227
5.													
1 JAN 0010	3	2.	*	1 JAN 0625	78	10.	*	1 JAN 1240	153	10.	*	1 JAN 1855	228
5.													
1 JAN 0015	4	3.	*	1 JAN 0630	79	10.	*	1 JAN 1245	154	10.	*	1 JAN 1900	229
5.													
1 JAN 0020	5	4.	*	1 JAN 0635	80	10.	*	1 JAN 1250	155	10.	*	1 JAN 1905	230
5.													
1 JAN 0025	6	4.	*	1 JAN 0640	81	11.	*	1 JAN 1255	156	10.	*	1 JAN 1910	231
5.													
1 JAN 0030	7	5.	*	1 JAN 0645	82	11.	*	1 JAN 1300	157	10.	*	1 JAN 1915	232
5.													
1 JAN 0035	8	5.	*	1 JAN 0650	83	11.	*	1 JAN 1305	158	10.	*	1 JAN 1920	233
5.													
1 JAN 0040	9	5.	*	1 JAN 0655	84	11.	*	1 JAN 1310	159	10.	*	1 JAN 1925	234
5.													
1 JAN 0045	10	4.	*	1 JAN 0700	85	11.	*	1 JAN 1315	160	10.	*	1 JAN 1930	235
5.													
1 JAN 0050	11	4.	*	1 JAN 0705	86	11.	*	1 JAN 1320	161	10.	*	1 JAN 1935	236
5.													
1 JAN 0055	12	4.	*	1 JAN 0710	87	12.	*	1 JAN 1325	162	10.	*	1 JAN 1940	237
5.													
1 JAN 0100	13	4.	*	1 JAN 0715	88	12.	*	1 JAN 1330	163	10.	*	1 JAN 1945	238
5.													
1 JAN 0105	14	4.	*	1 JAN 0720	89	13.	*	1 JAN 1335	164	9.	*	1 JAN 1950	239
5.													
1 JAN 0110	15	5.	*	1 JAN 0725	90	13.	*	1 JAN 1340	165	9.	*	1 JAN 1955	240
5.													
1 JAN 0115	16	5.	*	1 JAN 0730	91	13.	*	1 JAN 1345	166	9.	*	1 JAN 2000	241
5.													
1 JAN 0120	17	5.	*	1 JAN 0735	92	13.	*	1 JAN 1350	167	9.	*	1 JAN 2005	242
5.													
1 JAN 0125	18	5.	*	1 JAN 0740	93	14.	*	1 JAN 1355	168	9.	*	1 JAN 2010	243
5.													
1 JAN 0130	19	5.	*	1 JAN 0745	94	14.	*	1 JAN 1400	169	8.	*	1 JAN 2015	244
5.													
1 JAN 0135	20	5.	*	1 JAN 0750	95	15.	*	1 JAN 1405	170	8.	*	1 JAN 2020	245
5.													
1 JAN 0140	21	5.	*	1 JAN 0755	96	15.	*	1 JAN 1410	171	8.	*	1 JAN 2025	246
5.													
1 JAN 0145	22	5.	*	1 JAN 0800	97	15.	*	1 JAN 1415	172	8.	*	1 JAN 2030	247
5.													
1 JAN 0150	23	5.	*	1 JAN 0805	98	15.	*	1 JAN 1420	173	8.	*	1 JAN 2035	248
5.													
1 JAN 0155	24	5.	*	1 JAN 0810	99	16.	*	1 JAN 1425	174	8.	*	1 JAN 2040	249
5.													
1 JAN 0200	25	5.	*	1 JAN 0815	100	17.	*	1 JAN 1430	175	8.	*	1 JAN 2045	250
5.													
1 JAN 0205	26	5.	*	1 JAN 0820	101	17.	*	1 JAN 1435	176	8.	*	1 JAN 2050	251
5.													
1 JAN 0210	27	5.	*	1 JAN 0825	102	18.	*	1 JAN 1440	177	8.	*	1 JAN 2055	252
4.													
1 JAN 0215	28	5.	*	1 JAN 0830	103	18.	*	1 JAN 1445	178	7.	*	1 JAN 2100	253
4.													
1 JAN 0220	29	5.	*	1 JAN 0835	104	19.	*	1 JAN 1450	179	7.	*	1 JAN 2105	254
4.													
1 JAN 0225	30	5.	*	1 JAN 0840	105	20.	*	1 JAN 1455	180	7.	*	1 JAN 2110	255
4.													
1 JAN 0230	31	5.	*	1 JAN 0845	106	21.	*	1 JAN 1500	181	7.	*	1 JAN 2115	256
4.													
1 JAN 0235	32	6.	*	1 JAN 0850	107	22.	*	1 JAN 1505	182	7.	*	1 JAN 2120	257
4.													
1 JAN 0240	33	6.	*	1 JAN 0855	108	23.	*	1 JAN 1510	183	7.	*	1 JAN 2125	258
4.													
1 JAN 0245	34	6.	*	1 JAN 0900	109	23.	*	1 JAN 1515	184	7.	*	1 JAN 2130	259
4.													
1 JAN 0250	35	6.	*	1 JAN 0905	110	24.	*	1 JAN 1520	185	7.	*	1 JAN 2135	260
4.													
1 JAN 0255	36	6.	*	1 JAN 0910	111	27.	*	1 JAN 1525	186	7.	*	1 JAN 2140	261
4.													
1 JAN 0300	37	6.	*	1 JAN 0915	112	30.	*	1 JAN 1530	187	7.	*	1 JAN 2145	262
4.													
1 JAN 0305	38	6.	*	1 JAN 0920	113	32.	*	1 JAN 1535	188	7.	*	1 JAN 2150	263
4.													
1 JAN 0310	39	6.	*	1 JAN 0925	114	34.	*	1 JAN 1540	189	7.	*	1 JAN 2155	264
4.													
1 JAN 0315	40	6.	*	1 JAN 0930	115	35.	*	1 JAN 1545	190	7.	*	1 JAN 2200	265
4.													
1 JAN 0320	41	6.	*	1 JAN 0935	116	38.	*	1 JAN 1550	191	7.	*	1 JAN 2205	266
4.													
1 JAN 0325	42	6.	*	1 JAN 0940	117	45.	*	1 JAN 1555	192	7.	*	1 JAN 2210	267
4.													
1 JAN 0330	43	6.	*	1 JAN 0945	118	52.	*	1 JAN 1600	193	7.	*	1 JAN 2215	268
4.													
1 JAN 0335	44	6.	*	1 JAN 0950	119	57.	*	1 JAN 1605	194	6.	*	1 JAN 2220	269
4.													
1 JAN 0340	45	6.	*	1 JAN 0955	120	61.	*	1 JAN 1610	195	6.	*	1 JAN 2225	270
4.													

DATE	TIME	FLOW (CFS)	EGPOST	OUT	DATE	TIME	FLOW (CFS)	EGPOST	OUT	DATE	TIME	FLOW (CFS)
1 JAN	0345	46	6.	*	1 JAN	1000	121	63.	*	1 JAN	1615	196
4.												
1 JAN	0350	47	7.	*	1 JAN	1005	122	65.	*	1 JAN	1620	197
4.												
1 JAN	0355	48	7.	*	1 JAN	1010	123	65.	*	1 JAN	1625	198
4.												
1 JAN	0400	49	7.	*	1 JAN	1015	124	65.	*	1 JAN	1630	199
4.												
1 JAN	0405	50	7.	*	1 JAN	1020	125	66.	*	1 JAN	1635	200
4.												
1 JAN	0410	51	7.	*	1 JAN	1025	126	66.	*	1 JAN	1640	201
4.												
1 JAN	0415	52	7.	*	1 JAN	1030	127	67.	*	1 JAN	1645	202
4.												
1 JAN	0420	53	7.	*	1 JAN	1035	128	63.	*	1 JAN	1650	203
4.												
1 JAN	0425	54	7.	*	1 JAN	1040	129	53.	*	1 JAN	1655	204
4.												
1 JAN	0430	55	7.	*	1 JAN	1045	130	41.	*	1 JAN	1700	205
4.												
1 JAN	0435	56	7.	*	1 JAN	1050	131	33.	*	1 JAN	1705	206
4.												
1 JAN	0440	57	7.	*	1 JAN	1055	132	28.	*	1 JAN	1710	207
4.												
1 JAN	0445	58	7.	*	1 JAN	1100	133	24.	*	1 JAN	1715	208
4.												
1 JAN	0450	59	8.	*	1 JAN	1105	134	22.	*	1 JAN	1720	209
4.												
1 JAN	0455	60	8.	*	1 JAN	1110	135	20.	*	1 JAN	1725	210
4.												
1 JAN	0500	61	8.	*	1 JAN	1115	136	18.	*	1 JAN	1730	211
4.												
1 JAN	0505	62	8.	*	1 JAN	1120	137	17.	*	1 JAN	1735	212
4.												
1 JAN	0510	63	8.	*	1 JAN	1125	138	16.	*	1 JAN	1740	213
4.												
1 JAN	0515	64	8.	*	1 JAN	1130	139	16.	*	1 JAN	1745	214
4.												
1 JAN	0520	65	8.	*	1 JAN	1135	140	15.	*	1 JAN	1750	215
4.												
1 JAN	0525	66	8.	*	1 JAN	1140	141	15.	*	1 JAN	1755	216
3.												
1 JAN	0530	67	8.	*	1 JAN	1145	142	14.	*	1 JAN	1800	217
2.												
1 JAN	0535	68	8.	*	1 JAN	1150	143	13.	*	1 JAN	1805	218
1.												
1 JAN	0540	69	9.	*	1 JAN	1155	144	13.	*	1 JAN	1810	219
1.												
1 JAN	0545	70	9.	*	1 JAN	1200	145	13.	*	1 JAN	1815	220
0.												
1 JAN	0550	71	9.	*	1 JAN	1205	146	13.	*	1 JAN	1820	221
0.												
1 JAN	0555	72	9.	*	1 JAN	1210	147	12.	*	1 JAN	1825	222
0.												
1 JAN	0600	73	9.	*	1 JAN	1215	148	12.	*	1 JAN	1830	223
0.												
1 JAN	0605	74	9.	*	1 JAN	1220	149	11.	*	1 JAN	1835	224
0.												
1 JAN	0610	75	9.	*	1 JAN	1225	150	11.	*	1 JAN	1840	225
0.												

PEAK FLOW	TIME	6-HR	MAXIMUM	AVERAGE FLOW	24.92-HR
(CFS)	(HR)		24-HR	72-HR	
67.	10.50	26.	11.	11.	11.
		.796	1.359	1.362	1.362
		13.	22.	22.	22.
		(INCHES)			
		(AC-FT)			
CUMULATIVE AREA =		.30 SQ MI			

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

49 KK

* *
= SWBAS *
= *

51 KD OUTPUT CONTROL VARIABLES
 IPRNT 1 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0. HYDROGRAPH PLOT SCALE

HYDROGRAPH ROUTING DATA

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

53 SV STORAGE .0 .1 .6 2.0 4.2 7.5 9.5

54 SE ELEVATION 161.00 162.00 163.00 164.00 165.00 166.00 166.50

55 SQ DISCHARGE 0. 18. 22. 28. 33. 37. 39.

HYDROGRAPH AT STATION SWBAS

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	
.0	1	JAN	0000	1	0.	.0	161.0	*	1	JAN	0820	101	17.	.1	162.0	*	1	JAN	1640	201	6.
.0	1	JAN	0005	2	0.	.0	161.0	*	1	JAN	0825	102	17.	.1	162.0	*	1	JAN	1645	202	6.
.0	1	JAN	0010	3	1.	.0	161.0	*	1	JAN	0830	103	18.	.1	162.0	*	1	JAN	1650	203	6.
.0	1	JAN	0015	4	2.	.0	161.1	*	1	JAN	0835	104	18.	.1	162.0	*	1	JAN	1655	204	6.
.0	1	JAN	0020	5	3.	.0	161.2	*	1	JAN	0840	105	18.	.1	162.0	*	1	JAN	1700	205	6.
.0	1	JAN	0025	6	4.	.0	161.2	*	1	JAN	0845	106	18.	.1	162.1	*	1	JAN	1705	206	6.
.0	1	JAN	0030	7	4.	.0	161.2	*	1	JAN	0850	107	18.	.2	162.1	*	1	JAN	1710	207	6.
.0	1	JAN	0035	8	5.	.0	161.3	*	1	JAN	0855	108	18.	.2	162.2	*	1	JAN	1715	208	6.
.0	1	JAN	0040	9	5.	.0	161.3	*	1	JAN	0900	109	18.	.2	162.2	*	1	JAN	1720	209	6.
.0	1	JAN	0045	10	5.	.0	161.3	*	1	JAN	0905	110	19.	.3	162.3	*	1	JAN	1725	210	6.
.0	1	JAN	0050	11	4.	.0	161.3	*	1	JAN	0910	111	19.	.3	162.4	*	1	JAN	1730	211	6.
.0	1	JAN	0055	12	4.	.0	161.3	*	1	JAN	0915	112	20.	.4	162.5	*	1	JAN	1735	212	6.
.0	1	JAN	0100	13	4.	.0	161.2	*	1	JAN	0920	113	20.	.5	162.6	*	1	JAN	1740	213	6.
.0	1	JAN	0105	14	4.	.0	161.2	*	1	JAN	0925	114	21.	.5	162.8	*	1	JAN	1745	214	6.
.0	1	JAN	0110	15	4.	.0	161.3	*	1	JAN	0930	115	21.	.6	163.0	*	1	JAN	1750	215	6.
.0	1	JAN	0115	16	5.	.0	161.3	*	1	JAN	0935	116	22.	.7	163.1	*	1	JAN	1755	216	5.
.0	1	JAN	0120	17	5.	.0	161.3	*	1	JAN	0940	117	23.	.9	163.2	*	1	JAN	1800	217	5.
.0	1	JAN	0125	18	5.	.0	161.3	*	1	JAN	0945	118	23.	1.0	163.3	*	1	JAN	1805	218	5.
.0	1	JAN	0130	19	5.	.0	161.3	*	1	JAN	0950	119	24.	1.3	163.5	*	1	JAN	1810	219	5.
.0	1	JAN	0135	20	5.	.0	161.3	*	1	JAN	0955	120	26.	1.5	163.6	*	1	JAN	1815	220	5.
.0	1	JAN	0140	21	5.	.0	161.3	*	1	JAN	1000	121	27.	1.7	163.8	*	1	JAN	1820	221	5.
.0	1	JAN	0145	22	5.	.0	161.3	*	1	JAN	1005	122	28.	2.0	164.0	*	1	JAN	1825	222	5.
.0	1	JAN	0150	23	5.	.0	161.3	*	1	JAN	1010	123	28.	2.2	164.1	*	1	JAN	1830	223	5.
.0	1	JAN	0155	24	5.	.0	161.3	*	1	JAN	1015	124	29.	2.5	164.2	*	1	JAN	1835	224	5.
.0	1	JAN	0200	25	5.	.0	161.3	*	1	JAN	1020	125	30.	2.7	164.3	*	1	JAN	1840	225	5.
.0	1	JAN	0205	26	5.	.0	161.3	*	1	JAN	1025	126	30.	3.0	164.5	*	1	JAN	1845	226	5.
.0	1	JAN	0210	27	5.	.0	161.3	*	1	JAN	1030	127	31.	3.2	164.6	*	1	JAN	1850	227	5.

								EGPOST.OUT					
.0	1 JAN 0215 28	5.	.0	161.3 *	1 JAN 1035 128	31.	3.5	164.7 *	1 JAN 1855 228	5.			
.0	161.3												
.0	1 JAN 0220 29	5.	.0	161.3 *	1 JAN 1040 129	32.	3.7	164.7 *	1 JAN 1900 229	5.			
.0	161.3												
.0	1 JAN 0225 30	5.	.0	161.3 *	1 JAN 1045 130	32.	3.8	164.8 *	1 JAN 1905 230	5.			
.0	161.3												
.0	1 JAN 0230 31	5.	.0	161.3 *	1 JAN 1050 131	32.	3.8	164.8 *	1 JAN 1910 231	5.			
.0	161.3												
.0	1 JAN 0235 32	5.	.0	161.3 *	1 JAN 1055 132	32.	3.8	164.8 *	1 JAN 1915 232	5.			
.0	161.3												
.0	1 JAN 0240 33	6.	.0	161.3 *	1 JAN 1100 133	32.	3.7	164.8 *	1 JAN 1920 233	5.			
.0	161.3												
.0	1 JAN 0245 34	6.	.0	161.3 *	1 JAN 1105 134	32.	3.7	164.8 *	1 JAN 1925 234	5.			
.0	161.3												
.0	1 JAN 0250 35	6.	.0	161.3 *	1 JAN 1110 135	32.	3.6	164.7 *	1 JAN 1930 235	5.			
.0	161.3												
.0	1 JAN 0255 36	6.	.0	161.3 *	1 JAN 1115 136	31.	3.5	164.7 *	1 JAN 1935 236	5.			
.0	161.3												
.0	1 JAN 0300 37	6.	.0	161.3 *	1 JAN 1120 137	31.	3.4	164.6 *	1 JAN 1940 237	5.			
.0	161.3												
.0	1 JAN 0305 38	6.	.0	161.3 *	1 JAN 1125 138	31.	3.3	164.6 *	1 JAN 1945 238	5.			
.0	161.3												
.0	1 JAN 0310 39	6.	.0	161.3 *	1 JAN 1130 139	31.	3.2	164.6 *	1 JAN 1950 239	5.			
.0	161.3												
.0	1 JAN 0315 40	6.	.0	161.3 *	1 JAN 1135 140	30.	3.1	164.5 *	1 JAN 1955 240	5.			
.0	161.3												
.0	1 JAN 0320 41	6.	.0	161.3 *	1 JAN 1140 141	30.	3.0	164.5 *	1 JAN 2000 241	5.			
.0	161.3												
.0	1 JAN 0325 42	6.	.0	161.3 *	1 JAN 1145 142	30.	2.9	164.4 *	1 JAN 2005 242	5.			
.0	161.3												
.0	1 JAN 0330 43	6.	.0	161.4 *	1 JAN 1150 143	30.	2.8	164.4 *	1 JAN 2010 243	5.			
.0	161.3												
.0	1 JAN 0335 44	6.	.0	161.4 *	1 JAN 1155 144	29.	2.7	164.3 *	1 JAN 2015 244	5.			
.0	161.3												
.0	1 JAN 0340 45	6.	.0	161.4 *	1 JAN 1200 145	29.	2.6	164.3 *	1 JAN 2020 245	5.			
.0	161.3												
.0	1 JAN 0345 46	6.	.0	161.4 *	1 JAN 1205 146	29.	2.5	164.2 *	1 JAN 2025 246	5.			
.0	161.3												
.0	1 JAN 0350 47	6.	.0	161.4 *	1 JAN 1210 147	29.	2.4	164.2 *	1 JAN 2030 247	5.			
.0	161.3												
.0	1 JAN 0355 48	7.	.0	161.4 *	1 JAN 1215 148	28.	2.2	164.1 *	1 JAN 2035 248	5.			
.0	161.3												
.0	1 JAN 0400 49	7.	.0	161.4 *	1 JAN 1220 149	28.	2.1	164.1 *	1 JAN 2040 249	5.			
.0	161.3												
.0	1 JAN 0405 50	7.	.0	161.4 *	1 JAN 1225 150	28.	2.0	164.0 *	1 JAN 2045 250	5.			
.0	161.3												
.0	1 JAN 0410 51	7.	.0	161.4 *	1 JAN 1230 151	28.	1.9	164.0 *	1 JAN 2050 251	5.			
.0	161.3												
.0	1 JAN 0415 52	7.	.0	161.4 *	1 JAN 1235 152	27.	1.8	163.9 *	1 JAN 2055 252	5.			
.0	161.3												
.0	1 JAN 0420 53	7.	.0	161.4 *	1 JAN 1240 153	26.	1.7	163.8 *	1 JAN 2100 253	4.			
.0	161.3												
.0	1 JAN 0425 54	7.	.0	161.4 *	1 JAN 1245 154	26.	1.6	163.7 *	1 JAN 2105 254	4.			
.0	161.3												
.0	1 JAN 0430 55	7.	.0	161.4 *	1 JAN 1250 155	25.	1.5	163.6 *	1 JAN 2110 255	4.			
.0	161.3												
.0	1 JAN 0435 56	7.	.0	161.4 *	1 JAN 1255 156	25.	1.3	163.5 *	1 JAN 2115 256	4.			
.0	161.2												
.0	1 JAN 0440 57	7.	.0	161.4 *	1 JAN 1300 157	24.	1.2	163.5 *	1 JAN 2120 257	4.			
.0	161.2												
.0	1 JAN 0445 58	7.	.0	161.4 *	1 JAN 1305 158	24.	1.1	163.4 *	1 JAN 2125 258	4.			
.0	161.2												
.0	1 JAN 0450 59	7.	.0	161.4 *	1 JAN 1310 159	23.	1.0	163.3 *	1 JAN 2130 259	4.			
.0	161.2												
.0	1 JAN 0455 60	8.	.0	161.4 *	1 JAN 1315 160	23.	1.0	163.2 *	1 JAN 2135 260	4.			
.0	161.2												
.0	1 JAN 0500 61	8.	.0	161.4 *	1 JAN 1320 161	23.	.9	163.2 *	1 JAN 2140 261	4.			
.0	161.2												
.0	1 JAN 0505 62	8.	.0	161.4 *	1 JAN 1325 162	22.	.8	163.1 *	1 JAN 2145 262	4.			
.0	161.2												
.0	1 JAN 0510 63	8.	.0	161.4 *	1 JAN 1330 163	22.	.7	163.0 *	1 JAN 2150 263	4.			
.0	161.2												
.0	1 JAN 0515 64	8.	.0	161.5 *	1 JAN 1335 164	21.	.6	162.9 *	1 JAN 2155 264	4.			
.0	161.2												
.0	1 JAN 0520 65	8.	.1	161.5 *	1 JAN 1340 165	21.	.5	162.8 *	1 JAN 2200 265	4.			
.0	161.2												
.0	1 JAN 0525 66	8.	.1	161.5 *	1 JAN 1345 166	20.	.5	162.6 *	1 JAN 2205 266	4.			
.0	161.2												
.0	1 JAN 0530 67	8.	.1	161.5 *	1 JAN 1350 167	20.	.4	162.5 *	1 JAN 2210 267	4.			
.0	161.2												
.0	1 JAN 0535 68	8.	.1	161.5 *	1 JAN 1355 168	19.	.3	162.4 *	1 JAN 2215 268	4.			
.0	161.2												
.0	1 JAN 0540 69	9.	.1	161.5 *	1 JAN 1400 169	18.	.2	162.2 *	1 JAN 2220 269	4.			
.0	161.2												
.0	1 JAN 0545 70	9.	.1	161.5 *	1 JAN 1405 170	18.	.2	162.1 *	1 JAN 2225 270	4.			
.0	161.2												
.0	1 JAN 0550 71	9.	.1	161.5 *	1 JAN 1410 171	16.	.1	161.9 *	1 JAN 2230 271	4.			
.0	161.2												

				EGPOST .OUT						
.0	1 JAN 0555 72	9.	.1	161.5 *	1 JAN 1415 172	10.	.1	161.6 *	1 JAN 2235 272	4.
.0	161.2									
.0	1 JAN 0600 73	9.	.1	161.5 *	1 JAN 1420 173	9.	.1	161.5 *	1 JAN 2240 273	4.
.0	161.2									
.0	1 JAN 0605 74	9.	.1	161.5 *	1 JAN 1425 174	8.	.1	161.5 *	1 JAN 2245 274	4.
.0	161.2									
.0	1 JAN 0610 75	9.	.1	161.5 *	1 JAN 1430 175	8.	.0	161.4 *	1 JAN 2250 275	4.
.0	161.2									
.0	1 JAN 0615 76	10.	.1	161.5 *	1 JAN 1435 176	8.	.0	161.4 *	1 JAN 2255 276	4.
.0	161.2									
.0	1 JAN 0620 77	10.	.1	161.6 *	1 JAN 1440 177	8.	.0	161.4 *	1 JAN 2300 277	4.
.0	161.2									
.0	1 JAN 0625 78	10.	.1	161.6 *	1 JAN 1445 178	8.	.0	161.4 *	1 JAN 2305 278	4.
.0	161.2									
.0	1 JAN 0630 79	10.	.1	161.6 *	1 JAN 1450 179	7.	.0	161.4 *	1 JAN 2310 279	4.
.0	161.2									
.0	1 JAN 0635 80	10.	.1	161.6 *	1 JAN 1455 180	7.	.0	161.4 *	1 JAN 2315 280	4.
.0	161.2									
.0	1 JAN 0640 81	10.	.1	161.6 *	1 JAN 1500 181	7.	.0	161.4 *	1 JAN 2320 281	4.
.0	161.2									
.0	1 JAN 0645 82	11.	.1	161.6 *	1 JAN 1505 182	7.	.0	161.4 *	1 JAN 2325 282	4.
.0	161.2									
.0	1 JAN 0650 83	11.	.1	161.6 *	1 JAN 1510 183	7.	.0	161.4 *	1 JAN 2330 283	4.
.0	161.2									
.0	1 JAN 0655 84	11.	.1	161.6 *	1 JAN 1515 184	7.	.0	161.4 *	1 JAN 2335 284	4.
.0	161.2									
.0	1 JAN 0700 85	11.	.1	161.6 *	1 JAN 1520 185	7.	.0	161.4 *	1 JAN 2340 285	4.
.0	161.2									
.0	1 JAN 0705 86	11.	.1	161.6 *	1 JAN 1525 186	7.	.0	161.4 *	1 JAN 2345 286	4.
.0	161.2									
.0	1 JAN 0710 87	12.	.1	161.7 *	1 JAN 1530 187	7.	.0	161.4 *	1 JAN 2350 287	4.
.0	161.2									
.0	1 JAN 0715 88	12.	.1	161.7 *	1 JAN 1535 188	7.	.0	161.4 *	1 JAN 2355 288	4.
.0	161.2									
.0	1 JAN 0720 89	12.	.1	161.7 *	1 JAN 1540 189	7.	.0	161.4 *	2 JAN 0000 289	4.
.0	161.2									
.0	1 JAN 0725 90	13.	.1	161.7 *	1 JAN 1545 190	7.	.0	161.4 *	2 JAN 0005 290	4.
.0	161.2									
.0	1 JAN 0730 91	13.	.1	161.7 *	1 JAN 1550 191	7.	.0	161.4 *	2 JAN 0010 291	3.
.0	161.2									
.0	1 JAN 0735 92	13.	.1	161.7 *	1 JAN 1555 192	7.	.0	161.4 *	2 JAN 0015 292	3.
.0	161.1									
.0	1 JAN 0740 93	13.	.1	161.8 *	1 JAN 1600 193	7.	.0	161.4 *	2 JAN 0020 293	2.
.0	161.1									
.0	1 JAN 0745 94	14.	.1	161.8 *	1 JAN 1605 194	7.	.0	161.4 *	2 JAN 0025 294	1.
.0	161.1									
.0	1 JAN 0750 95	14.	.1	161.8 *	1 JAN 1610 195	6.	.0	161.4 *	2 JAN 0030 295	1.
.0	161.0									
.0	1 JAN 0755 96	15.	.1	161.8 *	1 JAN 1615 196	6.	.0	161.4 *	2 JAN 0035 296	0.
.0	161.0									
.0	1 JAN 0800 97	15.	.1	161.8 *	1 JAN 1620 197	6.	.0	161.4 *	2 JAN 0040 297	0.
.0	161.0									
.0	1 JAN 0805 98	15.	.1	161.9 *	1 JAN 1625 198	6.	.0	161.4 *	2 JAN 0045 298	0.
.0	161.0									
.0	1 JAN 0810 99	16.	.1	161.9 *	1 JAN 1630 199	6.	.0	161.4 *	2 JAN 0050 299	0.
.0	161.0									
.0	1 JAN 0815 100	16.	.1	161.9 *	1 JAN 1635 200	6.	.0	161.4 *	2 JAN 0055 300	0.
.0	161.0									

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	24.92-HR
32.	10.83	25.	11.	11.	11.
(INCHES)		.768	1.358	1.362	1.362
(AC-FT)		12.	22.	22.	22.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	24.92-HR
4.	10.83	2.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
(FEET)	(HR)	6-HR	24-HR	72-HR	24.92-HR
164.81	10.83	163.48	161.89	161.86	161.86

CUMULATIVE AREA = .30 SQ MI

*** **


```
*****
*           *
56 KK      *   SJUNC   *
*           *
*****
```

```
58 KO      OUTPUT CONTROL VARIABLES
           IPRNT      1  PRINT CONTROL
           IPLOT      0  PLOT CONTROL
           QSCAL      0. HYDROGRAPH PLOT SCALE
```

```
59 HC      HYDROGRAPH COMBINATION
           ICOMP      3  NUMBER OF HYDROGRAPHS TO COMBINE
```

HYDROGRAPH AT STATION SJUNC
SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	
1	JAN	0000	1	0.	*	1	JAN	0615	76	14.	*	1	JAN	1230	151	34.	*	1	JAN	1845	226	
11.																						
1	JAN	0005	2	0.	*	1	JAN	0620	77	14.	*	1	JAN	1235	152	33.	*	1	JAN	1850	227	
11.																						
1	JAN	0010	3	1.	*	1	JAN	0625	78	14.	*	1	JAN	1240	153	33.	*	1	JAN	1855	228	
11.																						
1	JAN	0015	4	3.	*	1	JAN	0630	79	14.	*	1	JAN	1245	154	32.	*	1	JAN	1900	229	
11.																						
1	JAN	0020	5	5.	*	1	JAN	0635	80	14.	*	1	JAN	1250	155	32.	*	1	JAN	1905	230	
11.																						
1	JAN	0025	6	6.	*	1	JAN	0640	81	15.	*	1	JAN	1255	156	31.	*	1	JAN	1910	231	
11.																						
1	JAN	0030	7	6.	*	1	JAN	0645	82	15.	*	1	JAN	1300	157	31.	*	1	JAN	1915	232	
11.																						
1	JAN	0035	8	7.	*	1	JAN	0650	83	15.	*	1	JAN	1305	158	30.	*	1	JAN	1920	233	
11.																						
1	JAN	0040	9	7.	*	1	JAN	0655	84	15.	*	1	JAN	1310	159	30.	*	1	JAN	1925	234	
11.																						
1	JAN	0045	10	7.	*	1	JAN	0700	85	15.	*	1	JAN	1315	160	29.	*	1	JAN	1930	235	
11.																						
1	JAN	0050	11	7.	*	1	JAN	0705	86	16.	*	1	JAN	1320	161	29.	*	1	JAN	1935	236	
11.																						
1	JAN	0055	12	7.	*	1	JAN	0710	87	16.	*	1	JAN	1325	162	28.	*	1	JAN	1940	237	
11.																						
1	JAN	0100	13	7.	*	1	JAN	0715	88	16.	*	1	JAN	1330	163	28.	*	1	JAN	1945	238	
11.																						
1	JAN	0105	14	7.	*	1	JAN	0720	89	17.	*	1	JAN	1335	164	28.	*	1	JAN	1950	239	
11.																						
1	JAN	0110	15	7.	*	1	JAN	0725	90	17.	*	1	JAN	1340	165	27.	*	1	JAN	1955	240	
11.																						
1	JAN	0115	16	7.	*	1	JAN	0730	91	17.	*	1	JAN	1345	166	26.	*	1	JAN	2000	241	
11.																						
1	JAN	0120	17	7.	*	1	JAN	0735	92	17.	*	1	JAN	1350	167	26.	*	1	JAN	2005	242	
11.																						
1	JAN	0125	18	7.	*	1	JAN	0740	93	18.	*	1	JAN	1355	168	25.	*	1	JAN	2010	243	
11.																						
1	JAN	0130	19	8.	*	1	JAN	0745	94	18.	*	1	JAN	1400	169	25.	*	1	JAN	2015	244	
10.																						
1	JAN	0135	20	8.	*	1	JAN	0750	95	19.	*	1	JAN	1405	170	24.	*	1	JAN	2020	245	
10.																						
1	JAN	0140	21	8.	*	1	JAN	0755	96	19.	*	1	JAN	1410	171	23.	*	1	JAN	2025	246	
10.																						
1	JAN	0145	22	8.	*	1	JAN	0800	97	20.	*	1	JAN	1415	172	17.	*	1	JAN	2030	247	
10.																						
1	JAN	0150	23	8.	*	1	JAN	0805	98	20.	*	1	JAN	1420	173	15.	*	1	JAN	2035	248	
10.																						
1	JAN	0155	24	8.	*	1	JAN	0810	99	20.	*	1	JAN	1425	174	14.	*	1	JAN	2040	249	
10.																						
1	JAN	0200	25	8.	*	1	JAN	0815	100	21.	*	1	JAN	1430	175	14.	*	1	JAN	2045	250	
10.																						
1	JAN	0205	26	8.	*	1	JAN	0820	101	22.	*	1	JAN	1435	176	14.	*	1	JAN	2050	251	
10.																						
1	JAN	0210	27	8.	*	1	JAN	0825	102	22.	*	1	JAN	1440	177	14.	*	1	JAN	2055	252	
10.																						
1	JAN	0215	28	8.	*	1	JAN	0830	103	23.	*	1	JAN	1445	178	14.	*	1	JAN	2100	253	
10.																						

						EGPOST.OUT							
1 JAN 0220	29	8.	*	1 JAN 0835	104	23.	*	1 JAN 1450	179	14.	=	1 JAN 2105	254
10.													
1 JAN 0225	30	8.	*	1 JAN 0840	105	23.	*	1 JAN 1455	180	14.	*	1 JAN 2110	255
10.													
1 JAN 0230	31	8.	*	1 JAN 0845	106	23.	*	1 JAN 1500	181	14.	*	1 JAN 2115	256
10.													
1 JAN 0235	32	9.	*	1 JAN 0850	107	23.	*	1 JAN 1505	182	13.	*	1 JAN 2120	257
10.													
1 JAN 0240	33	9.	*	1 JAN 0855	108	23.	*	1 JAN 1510	183	13.	*	1 JAN 2125	258
10.													
1 JAN 0245	34	9.	*	1 JAN 0900	109	24.	*	1 JAN 1515	184	13.	=	1 JAN 2130	259
10.													
1 JAN 0250	35	9.	*	1 JAN 0905	110	24.	*	1 JAN 1520	185	13.	=	1 JAN 2135	260
10.													
1 JAN 0255	36	9.	*	1 JAN 0910	111	24.	*	1 JAN 1525	186	13.	*	1 JAN 2140	261
10.													
1 JAN 0300	37	9.	*	1 JAN 0915	112	25.	*	1 JAN 1530	187	13.	=	1 JAN 2145	262
10.													
1 JAN 0305	38	9.	*	1 JAN 0920	113	26.	*	1 JAN 1535	188	13.	*	1 JAN 2150	263
10.													
1 JAN 0310	39	9.	*	1 JAN 0925	114	26.	*	1 JAN 1540	189	13.	=	1 JAN 2155	264
10.													
1 JAN 0315	40	9.	*	1 JAN 0930	115	27.	*	1 JAN 1545	190	13.	=	1 JAN 2200	265
10.													
1 JAN 0320	41	9.	*	1 JAN 0935	116	28.	*	1 JAN 1550	191	13.	*	1 JAN 2205	266
10.													
1 JAN 0325	42	9.	*	1 JAN 0940	117	29.	*	1 JAN 1555	192	13.	*	1 JAN 2210	267
10.													
1 JAN 0330	43	9.	*	1 JAN 0945	118	30.	*	1 JAN 1600	193	13.	*	1 JAN 2215	268
10.													
1 JAN 0335	44	10.	*	1 JAN 0950	119	31.	*	1 JAN 1605	194	13.	*	1 JAN 2220	269
10.													
1 JAN 0340	45	10.	*	1 JAN 0955	120	32.	*	1 JAN 1610	195	13.	*	1 JAN 2225	270
10.													
1 JAN 0345	46	10.	*	1 JAN 1000	121	33.	*	1 JAN 1615	196	13.	*	1 JAN 2230	271
10.													
1 JAN 0350	47	10.	*	1 JAN 1005	122	34.	*	1 JAN 1620	197	12.	*	1 JAN 2235	272
10.													
1 JAN 0355	48	10.	*	1 JAN 1010	123	35.	*	1 JAN 1625	198	12.	*	1 JAN 2240	273
10.													
1 JAN 0400	49	10.	*	1 JAN 1015	124	36.	*	1 JAN 1630	199	12.	*	1 JAN 2245	274
10.													
1 JAN 0405	50	10.	*	1 JAN 1020	125	36.	*	1 JAN 1635	200	12.	*	1 JAN 2250	275
10.													
1 JAN 0410	51	10.	*	1 JAN 1025	126	37.	*	1 JAN 1640	201	12.	*	1 JAN 2255	276
10.													
1 JAN 0415	52	10.	*	1 JAN 1030	127	38.	*	1 JAN 1645	202	12.	*	1 JAN 2300	277
9.													
1 JAN 0420	53	10.	*	1 JAN 1035	128	38.	*	1 JAN 1650	203	12.	*	1 JAN 2305	278
9.													
1 JAN 0425	54	11.	*	1 JAN 1040	129	38.	*	1 JAN 1655	204	12.	*	1 JAN 2310	279
9.													
1 JAN 0430	55	11.	*	1 JAN 1045	130	38.	*	1 JAN 1700	205	12.	*	1 JAN 2315	280
9.													
1 JAN 0435	56	11.	*	1 JAN 1050	131	38.	*	1 JAN 1705	206	12.	*	1 JAN 2320	281
9.													
1 JAN 0440	57	11.	*	1 JAN 1055	132	38.	*	1 JAN 1710	207	12.	*	1 JAN 2325	282
9.													
1 JAN 0445	58	11.	*	1 JAN 1100	133	38.	*	1 JAN 1715	208	12.	*	1 JAN 2330	283
9.													
1 JAN 0450	59	11.	*	1 JAN 1105	134	38.	*	1 JAN 1720	209	12.	*	1 JAN 2335	284
9.													
1 JAN 0455	60	11.	*	1 JAN 1110	135	38.	*	1 JAN 1725	210	12.	*	1 JAN 2340	285
9.													
1 JAN 0500	61	11.	*	1 JAN 1115	136	38.	*	1 JAN 1730	211	12.	*	1 JAN 2345	286
9.													
1 JAN 0505	62	11.	*	1 JAN 1120	137	37.	*	1 JAN 1735	212	12.	*	1 JAN 2350	287
9.													
1 JAN 0510	63	12.	*	1 JAN 1125	138	37.	*	1 JAN 1740	213	12.	*	1 JAN 2355	288
9.													
1 JAN 0515	64	12.	*	1 JAN 1130	139	37.	*	1 JAN 1745	214	12.	*	2 JAN 0000	289
9.													
1 JAN 0520	65	12.	*	1 JAN 1135	140	37.	*	1 JAN 1750	215	12.	*	2 JAN 0005	290
9.													
1 JAN 0525	66	12.	*	1 JAN 1140	141	37.	*	1 JAN 1755	216	11.	*	2 JAN 0010	291
9.													
1 JAN 0530	67	12.	*	1 JAN 1145	142	36.	*	1 JAN 1800	217	11.	*	2 JAN 0015	292
8.													
1 JAN 0535	68	12.	*	1 JAN 1150	143	36.	*	1 JAN 1805	218	11.	*	2 JAN 0020	293
7.													
1 JAN 0540	69	12.	*	1 JAN 1155	144	36.	*	1 JAN 1810	219	11.	*	2 JAN 0025	294
6.													
1 JAN 0545	70	13.	*	1 JAN 1200	145	36.	*	1 JAN 1815	220	11.	*	2 JAN 0030	295
6.													
1 JAN 0550	71	13.	*	1 JAN 1205	146	35.	*	1 JAN 1820	221	11.	*	2 JAN 0035	296
6.													
1 JAN 0555	72	13.	*	1 JAN 1210	147	35.	*	1 JAN 1825	222	11.	*	2 JAN 0040	297
6.													

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

UNIT HYDROGRAPH
 9 END-OF-PERIOD ORDINATES
 150. 263. 136. 55. 23. 9. 4. 2. 0.

HYDROGRAPH AT STATION N DEV

COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS
4.	1	JAN	0000	1	.00	.00	.00	0.	*	1	JAN	1230	151	.01	.00	.01
4.	1	JAN	0005	2	.01	.00	.00	1.	*	1	JAN	1235	152	.01	.00	.01
4.	1	JAN	0010	3	.01	.00	.00	2.	*	1	JAN	1240	153	.01	.00	.01
4.	1	JAN	0015	4	.01	.00	.00	2.	*	1	JAN	1245	154	.01	.00	.01
4.	1	JAN	0020	5	.01	.00	.00	2.	*	1	JAN	1250	155	.01	.00	.01
4.	1	JAN	0025	6	.01	.00	.00	2.	*	1	JAN	1255	156	.01	.00	.01
4.	1	JAN	0030	7	.01	.00	.00	2.	*	1	JAN	1300	157	.01	.00	.01
4.	1	JAN	0035	8	.01	.00	.00	2.	*	1	JAN	1305	158	.01	.00	.01
4.	1	JAN	0040	9	.01	.00	.00	2.	*	1	JAN	1310	159	.01	.00	.01
4.	1	JAN	0045	10	.01	.00	.00	2.	*	1	JAN	1315	160	.01	.00	.01
3.	1	JAN	0050	11	.01	.00	.00	2.	*	1	JAN	1320	161	.01	.00	.01
3.	1	JAN	0055	12	.01	.00	.00	2.	*	1	JAN	1325	162	.01	.00	.01
3.	1	JAN	0100	13	.01	.00	.00	2.	*	1	JAN	1330	163	.01	.00	.01
3.	1	JAN	0105	14	.01	.00	.00	2.	*	1	JAN	1335	164	.01	.00	.00
3.	1	JAN	0110	15	.01	.00	.00	2.	*	1	JAN	1340	165	.01	.00	.00
3.	1	JAN	0115	16	.01	.00	.00	2.	*	1	JAN	1345	166	.01	.00	.00
3.	1	JAN	0120	17	.01	.00	.00	2.	*	1	JAN	1350	167	.01	.00	.00
3.	1	JAN	0125	18	.01	.00	.00	2.	*	1	JAN	1355	168	.01	.00	.00
3.	1	JAN	0130	19	.01	.00	.00	2.	*	1	JAN	1400	169	.01	.00	.00
3.	1	JAN	0135	20	.01	.00	.00	2.	*	1	JAN	1405	170	.01	.00	.00
3.	1	JAN	0140	21	.01	.00	.00	2.	*	1	JAN	1410	171	.01	.00	.00
3.	1	JAN	0145	22	.01	.00	.00	2.	*	1	JAN	1415	172	.01	.00	.00
3.	1	JAN	0150	23	.01	.00	.00	2.	*	1	JAN	1420	173	.01	.00	.00
3.	1	JAN	0155	24	.01	.00	.00	2.	*	1	JAN	1425	174	.01	.00	.00
3.	1	JAN	0200	25	.01	.00	.00	2.	*	1	JAN	1430	175	.01	.00	.00
3.	1	JAN	0205	26	.01	.00	.00	2.	*	1	JAN	1435	176	.01	.00	.00
3.	1	JAN	0210	27	.01	.00	.00	3.	*	1	JAN	1440	177	.01	.00	.00
3.	1	JAN	0215	28	.01	.00	.00	3.	*	1	JAN	1445	178	.01	.00	.00
3.	1	JAN	0220	29	.01	.00	.00	3.	*	1	JAN	1450	179	.01	.00	.00
3.	1	JAN	0225	30	.01	.00	.00	3.	*	1	JAN	1455	180	.01	.00	.00
3.	1	JAN	0230	31	.01	.00	.00	3.	*	1	JAN	1500	181	.01	.00	.00
3.	1	JAN	0235	32	.01	.00	.00	3.	*	1	JAN	1505	182	.01	.00	.00
3.	1	JAN	0240	33	.01	.00	.00	3.	*	1	JAN	1510	183	.01	.00	.00
3.	1	JAN	0245	34	.01	.00	.00	3.	*	1	JAN	1515	184	.01	.00	.00

EGPOST .OUT												
2.	1 JAN 0250	35	.01	.00	.00	3.	*	1 JAN 1520	185	.01	.00	.00
2.	1 JAN 0255	36	.01	.00	.00	3.	*	1 JAN 1525	186	.01	.00	.00
2.	1 JAN 0300	37	.01	.00	.00	3.	*	1 JAN 1530	187	.01	.00	.00
2.	1 JAN 0305	38	.01	.00	.00	3.	*	1 JAN 1535	188	.01	.00	.00
2.	1 JAN 0310	39	.01	.00	.00	3.	*	1 JAN 1540	189	.01	.00	.00
2.	1 JAN 0315	40	.01	.00	.00	3.	*	1 JAN 1545	190	.01	.00	.00
2.	1 JAN 0320	41	.01	.00	.00	3.	*	1 JAN 1550	191	.01	.00	.00
2.	1 JAN 0325	42	.01	.00	.00	3.	*	1 JAN 1555	192	.01	.00	.00
2.	1 JAN 0330	43	.01	.00	.00	3.	*	1 JAN 1600	193	.01	.00	.00
2.	1 JAN 0335	44	.01	.00	.00	3.	*	1 JAN 1605	194	.01	.00	.00
2.	1 JAN 0340	45	.01	.00	.00	3.	*	1 JAN 1610	195	.01	.00	.00
2.	1 JAN 0345	46	.01	.00	.00	3.	*	1 JAN 1615	196	.01	.00	.00
2.	1 JAN 0350	47	.01	.00	.00	3.	*	1 JAN 1620	197	.01	.00	.00
2.	1 JAN 0355	48	.01	.00	.00	3.	*	1 JAN 1625	198	.01	.00	.00
2.	1 JAN 0400	49	.01	.00	.00	3.	*	1 JAN 1630	199	.01	.00	.00
2.	1 JAN 0405	50	.01	.01	.00	3.	*	1 JAN 1635	200	.01	.00	.00
2.	1 JAN 0410	51	.01	.01	.00	3.	*	1 JAN 1640	201	.01	.00	.00
2.	1 JAN 0415	52	.01	.01	.00	3.	*	1 JAN 1645	202	.01	.00	.00
2.	1 JAN 0420	53	.01	.01	.00	3.	*	1 JAN 1650	203	.01	.00	.00
2.	1 JAN 0425	54	.01	.01	.00	3.	*	1 JAN 1655	204	.01	.00	.00
2.	1 JAN 0430	55	.01	.01	.00	3.	*	1 JAN 1700	205	.01	.00	.00
2.	1 JAN 0435	56	.01	.01	.01	3.	*	1 JAN 1705	206	.01	.00	.00
2.	1 JAN 0440	57	.01	.01	.01	3.	*	1 JAN 1710	207	.01	.00	.00
2.	1 JAN 0445	58	.01	.01	.01	3.	*	1 JAN 1715	208	.01	.00	.00
2.	1 JAN 0450	59	.01	.01	.01	3.	*	1 JAN 1720	209	.01	.00	.00
2.	1 JAN 0455	60	.01	.01	.01	3.	*	1 JAN 1725	210	.01	.00	.00
2.	1 JAN 0500	61	.01	.01	.01	3.	*	1 JAN 1730	211	.01	.00	.00
2.	1 JAN 0505	62	.01	.01	.01	4.	*	1 JAN 1735	212	.00	.00	.00
2.	1 JAN 0510	63	.01	.01	.01	4.	*	1 JAN 1740	213	.00	.00	.00
2.	1 JAN 0515	64	.01	.01	.01	4.	*	1 JAN 1745	214	.00	.00	.00
2.	1 JAN 0520	65	.01	.01	.01	4.	*	1 JAN 1750	215	.00	.00	.00
2.	1 JAN 0525	66	.01	.01	.01	4.	*	1 JAN 1755	216	.00	.00	.00
2.	1 JAN 0530	67	.01	.01	.01	4.	*	1 JAN 1800	217	.00	.00	.00
2.	1 JAN 0535	68	.01	.01	.01	4.	*	1 JAN 1805	218	.00	.00	.00
2.	1 JAN 0540	69	.01	.01	.01	4.	*	1 JAN 1810	219	.00	.00	.00
2.	1 JAN 0545	70	.01	.01	.01	4.	*	1 JAN 1815	220	.00	.00	.00
2.	1 JAN 0550	71	.01	.01	.01	4.	*	1 JAN 1820	221	.00	.00	.00
2.	1 JAN 0555	72	.01	.01	.01	4.	*	1 JAN 1825	222	.00	.00	.00
2.	1 JAN 0600	73	.01	.01	.01	4.	*	1 JAN 1830	223	.00	.00	.00
2.	1 JAN 0605	74	.01	.01	.01	4.	*	1 JAN 1835	224	.00	.00	.00
2.	1 JAN 0610	75	.01	.01	.01	4.	*	1 JAN 1840	225	.00	.00	.00
2.	1 JAN 0615	76	.01	.01	.01	4.	*	1 JAN 1845	226	.00	.00	.00
2.	1 JAN 0620	77	.01	.01	.01	4.	*	1 JAN 1850	227	.00	.00	.00
2.	1 JAN 0625	78	.01	.01	.01	4.	*	1 JAN 1855	228	.00	.00	.00

						EGPOST.OUT						
2.	1 JAN 0630	79	.01	.01	.01	4.	*	1 JAN 1900	229	.00	.00	.00
2.	1 JAN 0635	80	.01	.01	.01	5.	*	1 JAN 1905	230	.00	.00	.00
2.	1 JAN 0640	81	.01	.01	.01	5.	*	1 JAN 1910	231	.00	.00	.00
2.	1 JAN 0645	82	.01	.01	.01	5.	*	1 JAN 1915	232	.00	.00	.00
2.	1 JAN 0650	83	.01	.01	.01	5.	*	1 JAN 1920	233	.00	.00	.00
2.	1 JAN 0655	84	.01	.01	.01	5.	*	1 JAN 1925	234	.00	.00	.00
2.	1 JAN 0700	85	.01	.01	.01	5.	*	1 JAN 1930	235	.00	.00	.00
2.	1 JAN 0705	86	.02	.01	.01	5.	*	1 JAN 1935	236	.00	.00	.00
2.	1 JAN 0710	87	.02	.01	.01	5.	*	1 JAN 1940	237	.00	.00	.00
2.	1 JAN 0715	88	.02	.01	.01	5.	*	1 JAN 1945	238	.00	.00	.00
2.	1 JAN 0720	89	.02	.01	.01	6.	*	1 JAN 1950	239	.00	.00	.00
2.	1 JAN 0725	90	.02	.01	.01	6.	*	1 JAN 1955	240	.00	.00	.00
2.	1 JAN 0730	91	.02	.01	.01	6.	*	1 JAN 2000	241	.00	.00	.00
2.	1 JAN 0735	92	.02	.01	.01	6.	*	1 JAN 2005	242	.00	.00	.00
2.	1 JAN 0740	93	.02	.01	.01	6.	*	1 JAN 2010	243	.00	.00	.00
2.	1 JAN 0745	94	.02	.01	.01	6.	*	1 JAN 2015	244	.00	.00	.00
2.	1 JAN 0750	95	.02	.01	.01	6.	*	1 JAN 2020	245	.00	.00	.00
2.	1 JAN 0755	96	.02	.01	.01	6.	*	1 JAN 2025	246	.00	.00	.00
2.	1 JAN 0800	97	.02	.01	.01	6.	*	1 JAN 2030	247	.00	.00	.00
2.	1 JAN 0805	98	.02	.01	.01	7.	*	1 JAN 2035	248	.00	.00	.00
2.	1 JAN 0810	99	.02	.01	.01	7.	*	1 JAN 2040	249	.00	.00	.00
2.	1 JAN 0815	100	.02	.01	.01	7.	*	1 JAN 2045	250	.00	.00	.00
2.	1 JAN 0820	101	.02	.01	.01	8.	*	1 JAN 2050	251	.00	.00	.00
2.	1 JAN 0825	102	.02	.01	.01	8.	*	1 JAN 2055	252	.00	.00	.00
2.	1 JAN 0830	103	.02	.01	.01	8.	*	1 JAN 2100	253	.00	.00	.00
2.	1 JAN 0835	104	.03	.01	.01	8.	*	1 JAN 2105	254	.00	.00	.00
2.	1 JAN 0840	105	.03	.01	.01	9.	*	1 JAN 2110	255	.00	.00	.00
2.	1 JAN 0845	106	.03	.01	.01	9.	*	1 JAN 2115	256	.00	.00	.00
2.	1 JAN 0850	107	.03	.01	.01	9.	*	1 JAN 2120	257	.00	.00	.00
2.	1 JAN 0855	108	.03	.01	.02	10.	*	1 JAN 2125	258	.00	.00	.00
2.	1 JAN 0900	109	.03	.01	.02	10.	*	1 JAN 2130	259	.00	.00	.00
2.	1 JAN 0905	110	.04	.02	.02	11.	*	1 JAN 2135	260	.00	.00	.00
2.	1 JAN 0910	111	.04	.02	.02	13.	*	1 JAN 2140	261	.00	.00	.00
2.	1 JAN 0915	112	.04	.02	.02	14.	*	1 JAN 2145	262	.00	.00	.00
2.	1 JAN 0920	113	.04	.02	.02	14.	*	1 JAN 2150	263	.00	.00	.00
2.	1 JAN 0925	114	.04	.02	.02	14.	*	1 JAN 2155	264	.00	.00	.00
2.	1 JAN 0930	115	.04	.02	.02	15.	*	1 JAN 2200	265	.00	.00	.00
2.	1 JAN 0935	116	.07	.03	.04	17.	*	1 JAN 2205	266	.00	.00	.00
1.	1 JAN 0940	117	.07	.03	.04	22.	*	1 JAN 2210	267	.00	.00	.00
1.	1 JAN 0945	118	.07	.03	.04	24.	*	1 JAN 2215	268	.00	.00	.00
1.	1 JAN 0950	119	.07	.03	.04	25.	*	1 JAN 2220	269	.00	.00	.00
1.	1 JAN 0955	120	.07	.03	.04	26.	*	1 JAN 2225	270	.00	.00	.00
1.	1 JAN 1000	121	.07	.03	.04	26.	*	1 JAN 2230	271	.00	.00	.00
1.	1 JAN 1005	122	.07	.03	.04	26.	*	1 JAN 2235	272	.00	.00	.00

						EGPOST.OUT						
1.	1 JAN 1010	123	.07	.03	.04	26.	*	1 JAN 2240	273	.00	.00	.00
1.	1 JAN 1015	124	.07	.03	.04	25.	*	1 JAN 2245	274	.00	.00	.00
1.	1 JAN 1020	125	.07	.03	.04	25.	*	1 JAN 2250	275	.00	.00	.00
1.	1 JAN 1025	126	.07	.03	.04	26.	*	1 JAN 2255	276	.00	.00	.00
1.	1 JAN 1030	127	.07	.03	.04	26.	*	1 JAN 2300	277	.00	.00	.00
1.	1 JAN 1035	128	.02	.01	.01	21.	*	1 JAN 2305	278	.00	.00	.00
1.	1 JAN 1040	129	.02	.01	.01	14.	*	1 JAN 2310	279	.00	.00	.00
1.	1 JAN 1045	130	.02	.01	.01	10.	*	1 JAN 2315	280	.00	.00	.00
1.	1 JAN 1050	131	.02	.01	.01	8.	*	1 JAN 2320	281	.00	.00	.00
1.	1 JAN 1055	132	.02	.01	.01	8.	*	1 JAN 2325	282	.00	.00	.00
1.	1 JAN 1100	133	.02	.01	.01	7.	*	1 JAN 2330	283	.00	.00	.00
1.	1 JAN 1105	134	.01	.01	.01	7.	*	1 JAN 2335	284	.00	.00	.00
1.	1 JAN 1110	135	.01	.01	.01	6.	*	1 JAN 2340	285	.00	.00	.00
1.	1 JAN 1115	136	.01	.01	.01	6.	*	1 JAN 2345	286	.00	.00	.00
1.	1 JAN 1120	137	.01	.01	.01	6.	*	1 JAN 2350	287	.00	.00	.00
1.	1 JAN 1125	138	.01	.01	.01	6.	*	1 JAN 2355	288	.00	.00	.00
1.	1 JAN 1130	139	.01	.01	.01	6.	*	2 JAN 0000	289	.00	.00	.00
1.	1 JAN 1135	140	.01	.00	.01	5.	*	2 JAN 0005	290	.00	.00	.00
0.	1 JAN 1140	141	.01	.00	.01	5.	*	2 JAN 0010	291	.00	.00	.00
0.	1 JAN 1145	142	.01	.00	.01	5.	*	2 JAN 0015	292	.00	.00	.00
0.	1 JAN 1150	143	.01	.00	.01	5.	*	2 JAN 0020	293	.00	.00	.00
0.	1 JAN 1155	144	.01	.00	.01	5.	*	2 JAN 0025	294	.00	.00	.00
0.	1 JAN 1200	145	.01	.00	.01	5.	*	2 JAN 0030	295	.00	.00	.00
0.	1 JAN 1205	146	.01	.00	.01	5.	*	2 JAN 0035	296	.00	.00	.00
0.	1 JAN 1210	147	.01	.00	.01	4.	*	2 JAN 0040	297	.00	.00	.00
0.	1 JAN 1215	148	.01	.00	.01	4.	*	2 JAN 0045	298	.00	.00	.00
0.	1 JAN 1220	149	.01	.00	.01	4.	*	2 JAN 0050	299	.00	.00	.00
0.	1 JAN 1225	150	.01	.00	.01	4.	*	2 JAN 0055	300	.00	.00	.00

TOTAL RAINFALL = 3.50, TOTAL LOSS = 1.55, TOTAL EXCESS = 1.95

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW		24.92-HR
(CFS)	(HR)	(CFS)		24-HR	72-HR	
+	26.	10.00	10.	4.	4.	4.
+			1.140	1.946	1.949	1.949
		(INCHES)	5.	9.	9.	9.
		(AC-FT)				
		CUMULATIVE AREA =	.08 SQ MI			

*** **
*** **

66 KK *****
* =
* N UND =
* =

68 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL

IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

SUBBASIN RUNOFF DATA

69 BA SUBBASIN CHARACTERISTICS
TAREA .05 SUBBASIN AREA

PRECIPITATION DATA

8 PB STORM 3.50 BASIN TOTAL PRECIPITATION

Table with 10 columns showing incremental precipitation pattern values for 10 PI.

70 LS SCS LOSS RATE
STRTL .01 INITIAL ABSTRACTION
CRVNBR 36.00 CURVE NUMBER
RTIMP 5.00 PERCENT IMPERVIOUS AREA

71 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .05 LAG

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

UNIT HYDROGRAPH
5 END-OF-PERIOD ORDINATES

237. 101. 24. 6.

HYDROGRAPH AT STATION N UND

Table with 15 columns: COMP Q, DA, MON, HRMN, ORD, RAIN, LOSS, EXCESS, COMP Q, *, DA, MON, HRMN, ORD, RAIN, LOSS, EXCESS. Shows hydrograph data for 8 time steps.

						EGPOST.OUT						
1.	1 JAN 0040	9	.01	.01	.00	0.	*	1 JAN 1310	159	.01	.01	.00
1.	1 JAN 0045	10	.01	.01	.00	0.	*	1 JAN 1315	160	.01	.01	.00
1.	1 JAN 0050	11	.01	.01	.00	0.	*	1 JAN 1320	161	.01	.01	.00
1.	1 JAN 0055	12	.01	.01	.00	0.	*	1 JAN 1325	162	.01	.01	.00
1.	1 JAN 0100	13	.01	.01	.00	0.	*	1 JAN 1330	163	.01	.01	.00
1.	1 JAN 0105	14	.01	.01	.00	0.	*	1 JAN 1335	164	.01	.01	.00
1.	1 JAN 0110	15	.01	.01	.00	0.	*	1 JAN 1340	165	.01	.01	.00
1.	1 JAN 0115	16	.01	.01	.00	0.	*	1 JAN 1345	166	.01	.01	.00
1.	1 JAN 0120	17	.01	.01	.00	0.	*	1 JAN 1350	167	.01	.01	.00
1.	1 JAN 0125	18	.01	.01	.00	0.	*	1 JAN 1355	168	.01	.01	.00
1.	1 JAN 0130	19	.01	.01	.00	0.	*	1 JAN 1400	169	.01	.01	.00
1.	1 JAN 0135	20	.01	.01	.00	0.	*	1 JAN 1405	170	.01	.01	.00
1.	1 JAN 0140	21	.01	.01	.00	0.	*	1 JAN 1410	171	.01	.01	.00
1.	1 JAN 0145	22	.01	.01	.00	0.	*	1 JAN 1415	172	.01	.01	.00
1.	1 JAN 0150	23	.01	.01	.00	0.	*	1 JAN 1420	173	.01	.01	.00
1.	1 JAN 0155	24	.01	.01	.00	0.	*	1 JAN 1425	174	.01	.01	.00
1.	1 JAN 0200	25	.01	.01	.00	0.	*	1 JAN 1430	175	.01	.01	.00
1.	1 JAN 0205	26	.01	.01	.00	0.	*	1 JAN 1435	176	.01	.00	.00
1.	1 JAN 0210	27	.01	.01	.00	0.	*	1 JAN 1440	177	.01	.00	.00
1.	1 JAN 0215	28	.01	.01	.00	0.	*	1 JAN 1445	178	.01	.00	.00
1.	1 JAN 0220	29	.01	.01	.00	0.	*	1 JAN 1450	179	.01	.00	.00
1.	1 JAN 0225	30	.01	.01	.00	0.	*	1 JAN 1455	180	.01	.00	.00
1.	1 JAN 0230	31	.01	.01	.00	0.	*	1 JAN 1500	181	.01	.00	.00
1.	1 JAN 0235	32	.01	.01	.00	0.	*	1 JAN 1505	182	.01	.00	.00
1.	1 JAN 0240	33	.01	.01	.00	0.	*	1 JAN 1510	183	.01	.00	.00
1.	1 JAN 0245	34	.01	.01	.00	0.	*	1 JAN 1515	184	.01	.00	.00
1.	1 JAN 0250	35	.01	.01	.00	0.	*	1 JAN 1520	185	.01	.00	.00
1.	1 JAN 0255	36	.01	.01	.00	0.	*	1 JAN 1525	186	.01	.00	.00
1.	1 JAN 0300	37	.01	.01	.00	0.	*	1 JAN 1530	187	.01	.00	.00
1.	1 JAN 0305	38	.01	.01	.00	0.	*	1 JAN 1535	188	.01	.00	.00
1.	1 JAN 0310	39	.01	.01	.00	0.	*	1 JAN 1540	189	.01	.00	.00
1.	1 JAN 0315	40	.01	.01	.00	0.	*	1 JAN 1545	190	.01	.00	.00
1.	1 JAN 0320	41	.01	.01	.00	0.	*	1 JAN 1550	191	.01	.00	.00
1.	1 JAN 0325	42	.01	.01	.00	0.	*	1 JAN 1555	192	.01	.00	.00
1.	1 JAN 0330	43	.01	.01	.00	0.	*	1 JAN 1600	193	.01	.00	.00
1.	1 JAN 0335	44	.01	.01	.00	0.	*	1 JAN 1605	194	.01	.00	.00
1.	1 JAN 0340	45	.01	.01	.00	0.	*	1 JAN 1610	195	.01	.00	.00
1.	1 JAN 0345	46	.01	.01	.00	0.	*	1 JAN 1615	196	.01	.00	.00
1.	1 JAN 0350	47	.01	.01	.00	0.	*	1 JAN 1620	197	.01	.00	.00
1.	1 JAN 0355	48	.01	.01	.00	0.	*	1 JAN 1625	198	.01	.00	.00
1.	1 JAN 0400	49	.01	.01	.00	0.	*	1 JAN 1630	199	.01	.00	.00
1.	1 JAN 0405	50	.01	.01	.00	0.	*	1 JAN 1635	200	.01	.00	.00
1.	1 JAN 0410	51	.01	.01	.00	0.	*	1 JAN 1640	201	.01	.00	.00
1.	1 JAN 0415	52	.01	.01	.00	0.	*	1 JAN 1645	202	.01	.00	.00

						EGPOST.OUT						
1.	1 JAN 0420	53	.01	.01	.00	0.	*	1 JAN 1650	203	.01	.00	.00
1.	1 JAN 0425	54	.01	.01	.00	0.	*	1 JAN 1655	204	.01	.00	.00
1.	1 JAN 0430	55	.01	.01	.00	0.	*	1 JAN 1700	205	.01	.00	.00
1.	1 JAN 0435	56	.01	.01	.00	0.	*	1 JAN 1705	206	.01	.00	.00
1.	1 JAN 0440	57	.01	.01	.00	0.	*	1 JAN 1710	207	.01	.00	.00
1.	1 JAN 0445	58	.01	.01	.00	0.	*	1 JAN 1715	208	.01	.00	.00
1.	1 JAN 0450	59	.01	.01	.00	0.	*	1 JAN 1720	209	.01	.00	.00
1.	1 JAN 0455	60	.01	.01	.00	0.	*	1 JAN 1725	210	.01	.00	.00
1.	1 JAN 0500	61	.01	.01	.00	0.	*	1 JAN 1730	211	.01	.00	.00
1.	1 JAN 0505	62	.01	.01	.00	0.	*	1 JAN 1735	212	.00	.00	.00
1.	1 JAN 0510	63	.01	.01	.00	0.	*	1 JAN 1740	213	.00	.00	.00
1.	1 JAN 0515	64	.01	.01	.00	0.	*	1 JAN 1745	214	.00	.00	.00
1.	1 JAN 0520	65	.01	.01	.00	0.	*	1 JAN 1750	215	.00	.00	.00
1.	1 JAN 0525	66	.01	.01	.00	0.	*	1 JAN 1755	216	.00	.00	.00
1.	1 JAN 0530	67	.01	.01	.00	0.	*	1 JAN 1800	217	.00	.00	.00
1.	1 JAN 0535	68	.01	.01	.00	0.	*	1 JAN 1805	218	.00	.00	.00
1.	1 JAN 0540	69	.01	.01	.00	1.	*	1 JAN 1810	219	.00	.00	.00
1.	1 JAN 0545	70	.01	.01	.00	1.	*	1 JAN 1815	220	.00	.00	.00
1.	1 JAN 0550	71	.01	.01	.00	1.	*	1 JAN 1820	221	.00	.00	.00
1.	1 JAN 0555	72	.01	.01	.00	1.	*	1 JAN 1825	222	.00	.00	.00
1.	1 JAN 0600	73	.01	.01	.00	1.	*	1 JAN 1830	223	.00	.00	.00
1.	1 JAN 0605	74	.01	.01	.00	1.	*	1 JAN 1835	224	.00	.00	.00
1.	1 JAN 0610	75	.01	.01	.00	1.	*	1 JAN 1840	225	.00	.00	.00
1.	1 JAN 0615	76	.01	.01	.00	1.	*	1 JAN 1845	226	.00	.00	.00
1.	1 JAN 0620	77	.01	.01	.00	1.	*	1 JAN 1850	227	.00	.00	.00
1.	1 JAN 0625	78	.01	.01	.00	1.	*	1 JAN 1855	228	.00	.00	.00
1.	1 JAN 0630	79	.01	.01	.00	1.	*	1 JAN 1900	229	.00	.00	.00
1.	1 JAN 0635	80	.01	.01	.00	1.	*	1 JAN 1905	230	.00	.00	.00
1.	1 JAN 0640	81	.01	.01	.00	1.	*	1 JAN 1910	231	.00	.00	.00
1.	1 JAN 0645	82	.01	.01	.00	1.	*	1 JAN 1915	232	.00	.00	.00
1.	1 JAN 0650	83	.01	.01	.00	1.	*	1 JAN 1920	233	.00	.00	.00
1.	1 JAN 0655	84	.01	.01	.00	1.	*	1 JAN 1925	234	.00	.00	.00
1.	1 JAN 0700	85	.01	.01	.00	1.	*	1 JAN 1930	235	.00	.00	.00
1.	1 JAN 0705	86	.02	.01	.00	1.	*	1 JAN 1935	236	.00	.00	.00
1.	1 JAN 0710	87	.02	.01	.00	1.	*	1 JAN 1940	237	.00	.00	.00
1.	1 JAN 0715	88	.02	.01	.00	1.	*	1 JAN 1945	238	.00	.00	.00
1.	1 JAN 0720	89	.02	.01	.00	1.	*	1 JAN 1950	239	.00	.00	.00
1.	1 JAN 0725	90	.02	.01	.00	1.	*	1 JAN 1955	240	.00	.00	.00
1.	1 JAN 0730	91	.02	.01	.00	1.	*	1 JAN 2000	241	.00	.00	.00
1.	1 JAN 0735	92	.02	.02	.00	1.	*	1 JAN 2005	242	.00	.00	.00
0.	1 JAN 0740	93	.02	.02	.00	1.	*	1 JAN 2010	243	.00	.00	.00
0.	1 JAN 0745	94	.02	.02	.00	1.	*	1 JAN 2015	244	.00	.00	.00
0.	1 JAN 0750	95	.02	.02	.00	1.	*	1 JAN 2020	245	.00	.00	.00
0.	1 JAN 0755	96	.02	.02	.00	1.	*	1 JAN 2025	246	.00	.00	.00

				EGPOST.OUT								
1.	1 JAN 0800	97	.02	.02	.00	1.	*	1 JAN 2030	247	.00	.00	.00
0.	1 JAN 0805	98	.02	.02	.00	1.	*	1 JAN 2035	248	.00	.00	.00
0.	1 JAN 0810	99	.02	.02	.00	1.	*	1 JAN 2040	249	.00	.00	.00
0.	1 JAN 0815	100	.02	.02	.00	1.	*	1 JAN 2045	250	.00	.00	.00
0.	1 JAN 0820	101	.02	.02	.00	1.	*	1 JAN 2050	251	.00	.00	.00
0.	1 JAN 0825	102	.02	.02	.00	1.	*	1 JAN 2055	252	.00	.00	.00
0.	1 JAN 0830	103	.02	.02	.00	1.	*	1 JAN 2100	253	.00	.00	.00
0.	1 JAN 0835	104	.03	.02	.00	2.	*	1 JAN 2105	254	.00	.00	.00
0.	1 JAN 0840	105	.03	.02	.00	2.	*	1 JAN 2110	255	.00	.00	.00
0.	1 JAN 0845	106	.03	.02	.00	2.	*	1 JAN 2115	256	.00	.00	.00
0.	1 JAN 0850	107	.03	.02	.00	2.	*	1 JAN 2120	257	.00	.00	.00
0.	1 JAN 0855	108	.03	.02	.00	2.	*	1 JAN 2125	258	.00	.00	.00
0.	1 JAN 0900	109	.03	.02	.00	2.	*	1 JAN 2130	259	.00	.00	.00
0.	1 JAN 0905	110	.04	.03	.01	2.	*	1 JAN 2135	260	.00	.00	.00
0.	1 JAN 0910	111	.04	.03	.01	3.	*	1 JAN 2140	261	.00	.00	.00
0.	1 JAN 0915	112	.04	.03	.01	3.	*	1 JAN 2145	262	.00	.00	.00
0.	1 JAN 0920	113	.04	.03	.01	3.	*	1 JAN 2150	263	.00	.00	.00
0.	1 JAN 0925	114	.04	.03	.01	3.	*	1 JAN 2155	264	.00	.00	.00
0.	1 JAN 0930	115	.04	.03	.01	3.	*	1 JAN 2200	265	.00	.00	.00
0.	1 JAN 0935	116	.07	.06	.01	5.	*	1 JAN 2205	266	.00	.00	.00
0.	1 JAN 0940	117	.07	.06	.02	5.	*	1 JAN 2210	267	.00	.00	.00
0.	1 JAN 0945	118	.07	.06	.02	6.	*	1 JAN 2215	268	.00	.00	.00
0.	1 JAN 0950	119	.07	.06	.02	6.	*	1 JAN 2220	269	.00	.00	.00
0.	1 JAN 0955	120	.07	.06	.02	6.	*	1 JAN 2225	270	.00	.00	.00
0.	1 JAN 1000	121	.07	.06	.02	6.	*	1 JAN 2230	271	.00	.00	.00
0.	1 JAN 1005	122	.07	.05	.02	6.	*	1 JAN 2235	272	.00	.00	.00
0.	1 JAN 1010	123	.07	.05	.02	6.	*	1 JAN 2240	273	.00	.00	.00
0.	1 JAN 1015	124	.07	.05	.02	6.	*	1 JAN 2245	274	.00	.00	.00
0.	1 JAN 1020	125	.07	.05	.02	6.	*	1 JAN 2250	275	.00	.00	.00
0.	1 JAN 1025	126	.07	.05	.02	6.	*	1 JAN 2255	276	.00	.00	.00
0.	1 JAN 1030	127	.07	.05	.02	7.	*	1 JAN 2300	277	.00	.00	.00
0.	1 JAN 1035	128	.02	.01	.01	4.	*	1 JAN 2305	278	.00	.00	.00
0.	1 JAN 1040	129	.02	.01	.01	2.	*	1 JAN 2310	279	.00	.00	.00
0.	1 JAN 1045	130	.02	.01	.01	2.	*	1 JAN 2315	280	.00	.00	.00
0.	1 JAN 1050	131	.02	.01	.01	2.	*	1 JAN 2320	281	.00	.00	.00
0.	1 JAN 1055	132	.02	.01	.01	2.	*	1 JAN 2325	282	.00	.00	.00
0.	1 JAN 1100	133	.02	.01	.01	2.	*	1 JAN 2330	283	.00	.00	.00
0.	1 JAN 1105	134	.01	.01	.00	2.	*	1 JAN 2335	284	.00	.00	.00
0.	1 JAN 1110	135	.01	.01	.00	2.	*	1 JAN 2340	285	.00	.00	.00
0.	1 JAN 1115	136	.01	.01	.00	1.	*	1 JAN 2345	286	.00	.00	.00
0.	1 JAN 1120	137	.01	.01	.00	1.	*	1 JAN 2350	287	.00	.00	.00
0.	1 JAN 1125	138	.01	.01	.00	1.	*	1 JAN 2355	288	.00	.00	.00
0.	1 JAN 1130	139	.01	.01	.00	1.	*	2 JAN 0000	289	.00	.00	.00
0.	1 JAN 1135	140	.01	.01	.00	1.	*	2 JAN 0005	290	.00	.00	.00

0.	1 JAN 1140	141	.01	.01	.00	EGPOST,OUT	*	2 JAN 0010	291	.00	.00	.00
0.	1 JAN 1145	142	.01	.01	.00	1.	*	2 JAN 0015	292	.00	.00	.00
0.	1 JAN 1150	143	.01	.01	.00	1.	*	2 JAN 0020	293	.00	.00	.00
0.	1 JAN 1155	144	.01	.01	.00	1.	*	2 JAN 0025	294	.00	.00	.00
0.	1 JAN 1200	145	.01	.01	.00	1.	*	2 JAN 0030	295	.00	.00	.00
0.	1 JAN 1205	146	.01	.01	.00	1.	*	2 JAN 0035	296	.00	.00	.00
0.	1 JAN 1210	147	.01	.01	.00	1.	*	2 JAN 0040	297	.00	.00	.00
0.	1 JAN 1215	148	.01	.01	.00	1.	*	2 JAN 0045	298	.00	.00	.00
0.	1 JAN 1220	149	.01	.01	.00	1.	*	2 JAN 0050	299	.00	.00	.00
0.	1 JAN 1225	150	.01	.01	.00	1.	*	2 JAN 0055	300	.00	.00	.00

TOTAL RAINFALL = 3.50, TOTAL LOSS = 2.78, TOTAL EXCESS = .72

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	24.92-HR
(CFS)	(HR)	(CFS)		24-HR	72-HR
+	7.	10.50	2.	1.	1.
		(INCHES)	.434	.719	.719
		(AC-FT)	1.	2.	2.
CUMULATIVE AREA =			.05 SQ MI		

*** **

72 KK *****
* N JUNC =

74 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

75 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION N JUNC
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	
1	JAN	0000	1	0.	*	1	JAN	0615	76	5.	*	1	JAN	1230	151	5.	*	1	JAN	1845	226	
2.						2.						2.						2.				
1	JAN	0005	2	1.	*	1	JAN	0620	77	5.	*	1	JAN	1235	152	5.	*	1	JAN	1850	227	
2.						2.						2.						2.				
1	JAN	0010	3	2.	*	1	JAN	0625	78	5.	*	1	JAN	1240	153	5.	*	1	JAN	1855	228	
2.						2.						2.						2.				
1	JAN	0015	4	2.	*	1	JAN	0630	79	5.	*	1	JAN	1245	154	5.	*	1	JAN	1900	229	
2.						2.						2.						2.				
1	JAN	0020	5	2.	*	1	JAN	0635	80	5.	*	1	JAN	1250	155	5.	*	1	JAN	1905	230	
2.						2.						2.						2.				
1	JAN	0025	6	2.	*	1	JAN	0640	81	5.	*	1	JAN	1255	156	5.	*	1	JAN	1910	231	
2.						2.						2.						2.				
1	JAN	0030	7	3.	*	1	JAN	0645	82	6.	*	1	JAN	1300	157	5.	*	1	JAN	1915	232	
2.						2.						2.						2.				

						EGPOST.OUT							
1 JAN 0035	8	2.	*	1 JAN 0650	83	6.	*	1 JAN 1305	158	5.	*	1 JAN 1920	233
2.													
1 JAN 0040	9	2.	*	1 JAN 0655	84	6.	*	1 JAN 1310	159	4.	*	1 JAN 1925	234
2.													
1 JAN 0045	10	2.	*	1 JAN 0700	85	6.	*	1 JAN 1315	160	4.	*	1 JAN 1930	235
2.													
1 JAN 0050	11	2.	*	1 JAN 0705	86	6.	*	1 JAN 1320	161	4.	*	1 JAN 1935	236
2.													
1 JAN 0055	12	2.	*	1 JAN 0710	87	6.	*	1 JAN 1325	162	4.	*	1 JAN 1940	237
2.													
1 JAN 0100	13	2.	*	1 JAN 0715	88	6.	*	1 JAN 1330	163	4.	*	1 JAN 1945	238
2.													
1 JAN 0105	14	2.	*	1 JAN 0720	89	6.	*	1 JAN 1335	164	4.	*	1 JAN 1950	239
2.													
1 JAN 0110	15	2.	*	1 JAN 0725	90	6.	*	1 JAN 1340	165	4.	*	1 JAN 1955	240
2.													
1 JAN 0115	16	2.	*	1 JAN 0730	91	6.	*	1 JAN 1345	166	4.	*	1 JAN 2000	241
2.													
1 JAN 0120	17	2.	*	1 JAN 0735	92	7.	*	1 JAN 1350	167	4.	*	1 JAN 2005	242
2.													
1 JAN 0125	18	3.	*	1 JAN 0740	93	7.	*	1 JAN 1355	168	4.	*	1 JAN 2010	243
2.													
1 JAN 0130	19	3.	*	1 JAN 0745	94	7.	*	1 JAN 1400	169	4.	*	1 JAN 2015	244
2.													
1 JAN 0135	20	3.	*	1 JAN 0750	95	7.	*	1 JAN 1405	170	4.	*	1 JAN 2020	245
2.													
1 JAN 0140	21	3.	*	1 JAN 0755	96	7.	*	1 JAN 1410	171	4.	*	1 JAN 2025	246
2.													
1 JAN 0145	22	3.	*	1 JAN 0800	97	7.	*	1 JAN 1415	172	4.	*	1 JAN 2030	247
2.													
1 JAN 0150	23	3.	*	1 JAN 0805	98	8.	*	1 JAN 1420	173	4.	*	1 JAN 2035	248
2.													
1 JAN 0155	24	3.	*	1 JAN 0810	99	8.	*	1 JAN 1425	174	4.	*	1 JAN 2040	249
2.													
1 JAN 0200	25	3.	*	1 JAN 0815	100	9.	*	1 JAN 1430	175	4.	*	1 JAN 2045	250
2.													
1 JAN 0205	26	3.	*	1 JAN 0820	101	9.	*	1 JAN 1435	176	4.	*	1 JAN 2050	251
2.													
1 JAN 0210	27	3.	*	1 JAN 0825	102	9.	*	1 JAN 1440	177	3.	*	1 JAN 2055	252
2.													
1 JAN 0215	28	3.	*	1 JAN 0830	103	9.	*	1 JAN 1445	178	3.	*	1 JAN 2100	253
2.													
1 JAN 0220	29	3.	*	1 JAN 0835	104	10.	*	1 JAN 1450	179	3.	*	1 JAN 2105	254
2.													
1 JAN 0225	30	3.	*	1 JAN 0840	105	11.	*	1 JAN 1455	180	3.	*	1 JAN 2110	255
2.													
1 JAN 0230	31	3.	*	1 JAN 0845	106	11.	*	1 JAN 1500	181	3.	*	1 JAN 2115	256
2.													
1 JAN 0235	32	3.	*	1 JAN 0850	107	11.	*	1 JAN 1505	182	3.	*	1 JAN 2120	257
2.													
1 JAN 0240	33	3.	*	1 JAN 0855	108	11.	*	1 JAN 1510	183	3.	*	1 JAN 2125	258
2.													
1 JAN 0245	34	3.	*	1 JAN 0900	109	11.	*	1 JAN 1515	184	3.	*	1 JAN 2130	259
2.													
1 JAN 0250	35	3.	*	1 JAN 0905	110	13.	*	1 JAN 1520	185	3.	*	1 JAN 2135	260
2.													
1 JAN 0255	36	3.	*	1 JAN 0910	111	15.	*	1 JAN 1525	186	3.	*	1 JAN 2140	261
2.													
1 JAN 0300	37	3.	*	1 JAN 0915	112	17.	*	1 JAN 1530	187	3.	*	1 JAN 2145	262
2.													
1 JAN 0305	38	3.	*	1 JAN 0920	113	17.	*	1 JAN 1535	188	3.	*	1 JAN 2150	263
2.													
1 JAN 0310	39	3.	*	1 JAN 0925	114	17.	*	1 JAN 1540	189	3.	*	1 JAN 2155	264
2.													
1 JAN 0315	40	3.	*	1 JAN 0930	115	18.	*	1 JAN 1545	190	3.	*	1 JAN 2200	265
2.													
1 JAN 0320	41	3.	*	1 JAN 0935	116	22.	*	1 JAN 1550	191	3.	*	1 JAN 2205	266
2.													
1 JAN 0325	42	3.	*	1 JAN 0940	117	27.	*	1 JAN 1555	192	3.	*	1 JAN 2210	267
2.													
1 JAN 0330	43	3.	*	1 JAN 0945	118	30.	*	1 JAN 1600	193	3.	*	1 JAN 2215	268
2.													
1 JAN 0335	44	3.	*	1 JAN 0950	119	31.	*	1 JAN 1605	194	3.	*	1 JAN 2220	269
2.													
1 JAN 0340	45	3.	*	1 JAN 0955	120	32.	*	1 JAN 1610	195	3.	*	1 JAN 2225	270
2.													
1 JAN 0345	46	3.	*	1 JAN 1000	121	32.	*	1 JAN 1615	196	3.	*	1 JAN 2230	271
2.													
1 JAN 0350	47	3.	*	1 JAN 1005	122	32.	*	1 JAN 1620	197	3.	*	1 JAN 2235	272
2.													
1 JAN 0355	48	3.	*	1 JAN 1010	123	32.	*	1 JAN 1625	198	3.	*	1 JAN 2240	273
2.													
1 JAN 0400	49	3.	*	1 JAN 1015	124	32.	*	1 JAN 1630	199	3.	*	1 JAN 2245	274
2.													
1 JAN 0405	50	3.	*	1 JAN 1020	125	32.	*	1 JAN 1635	200	3.	*	1 JAN 2250	275
2.													
1 JAN 0410	51	3.	*	1 JAN 1025	126	32.	*	1 JAN 1640	201	3.	*	1 JAN 2255	276
2.													

DATE	TIME	FLOW (CFS)	EGPOST	OUT	DATE	TIME	FLOW (CFS)	EGPOST	OUT	DATE	TIME	FLOW (CFS)
1 JAN	0415	52	4.	=	1 JAN	1030	127	32.	=	1 JAN	1645	202
2.												
1 JAN	0420	53	4.	=	1 JAN	1035	128	25.	=	1 JAN	1650	203
2.												
1 JAN	0425	54	4.	=	1 JAN	1040	129	16.	=	1 JAN	1655	204
2.												
1 JAN	0430	55	4.	=	1 JAN	1045	130	12.	=	1 JAN	1700	205
2.												
1 JAN	0435	56	4.	=	1 JAN	1050	131	10.	=	1 JAN	1705	206
2.												
1 JAN	0440	57	4.	=	1 JAN	1055	132	10.	=	1 JAN	1710	207
2.												
1 JAN	0445	58	4.	=	1 JAN	1100	133	9.	=	1 JAN	1715	208
2.												
1 JAN	0450	59	4.	=	1 JAN	1105	134	9.	=	1 JAN	1720	209
2.												
1 JAN	0455	60	4.	=	1 JAN	1110	135	8.	=	1 JAN	1725	210
2.												
1 JAN	0500	61	4.	=	1 JAN	1115	136	7.	=	1 JAN	1730	211
2.												
1 JAN	0505	62	4.	=	1 JAN	1120	137	7.	=	1 JAN	1735	212
2.												
1 JAN	0510	63	4.	=	1 JAN	1125	138	7.	=	1 JAN	1740	213
2.												
1 JAN	0515	64	4.	=	1 JAN	1130	139	7.	=	1 JAN	1745	214
2.												
1 JAN	0520	65	4.	=	1 JAN	1135	140	7.	=	1 JAN	1750	215
1.												
1 JAN	0525	66	4.	=	1 JAN	1140	141	6.	=	1 JAN	1755	216
1.												
1 JAN	0530	67	4.	=	1 JAN	1145	142	6.	=	1 JAN	1800	217
0.												
1 JAN	0535	68	4.	=	1 JAN	1150	143	6.	=	1 JAN	1805	218
0.												
1 JAN	0540	69	4.	=	1 JAN	1155	144	6.	=	1 JAN	1810	219
0.												
1 JAN	0545	70	4.	=	1 JAN	1200	145	6.	=	1 JAN	1815	220
0.												
1 JAN	0550	71	5.	=	1 JAN	1205	146	6.	=	1 JAN	1820	221
0.												
1 JAN	0555	72	5.	=	1 JAN	1210	147	5.	=	1 JAN	1825	222
0.												
1 JAN	0600	73	5.	=	1 JAN	1215	148	5.	=	1 JAN	1830	223
0.												
1 JAN	0605	74	5.	=	1 JAN	1220	149	5.	=	1 JAN	1835	224
0.												
1 JAN	0610	75	5.	=	1 JAN	1225	150	5.	=	1 JAN	1840	225
0.												

PEAK FLOW	TIME	6-HR	MAXIMUM AVERAGE FLOW	24-HR	72-HR	24-92-HR
(CFS)	(HR)	(CFS)	(INCHES)	(AC-FT)		
32.	10.00	12.	.877	6.	5.	5.
			1.497	10.	1.499	1.499
					10.	10.

CUMULATIVE AREA = .13 SQ MI

*** **

 76 KK * N BAS *

78 KO OUTPUT CONTROL VARIABLES
 IPRNT 1 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0. HYDROGRAPH PLOT SCALE

HYDROGRAPH ROUTING DATA

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

EGPOST.OUT

80 SV	STORAGE	.0	1.4	4.9	10.5	18.2	28.3	41.1	56.3
81 SE	ELEVATION	168.50	170.50	172.50	174.50	176.50	178.50	180.50	182.40
82 SQ	DISCHARGE	0.	6.	9.	13.	17.	22.	29.	35.

HYDROGRAPH AT STATION N BAS

DA MON HRMN ORD		OUTFLOW	STORAGE	STAGE	*	DA MON HRMN ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN ORD	OUTFLOW			
STORAGE	STAGE				*	STORAGE				*	STORAGE				
1	JAN 0000	1	0.	.0	168.5	1	JAN 0820	101	5.	1.2	170.2	1	JAN 1640	201	7.
2.5	171.1				*					*					
1	JAN 0005	2	0.	.0	168.5	1	JAN 0825	102	5.	1.2	170.2	1	JAN 1645	202	7.
2.4	171.1				*					*					
1	JAN 0010	3	0.	.0	168.5	1	JAN 0830	103	5.	1.2	170.2	1	JAN 1650	203	7.
2.4	171.1				*					*					
1	JAN 0015	4	0.	.0	168.5	1	JAN 0835	104	5.	1.3	170.3	1	JAN 1655	204	7.
2.4	171.1				*					*					
1	JAN 0020	5	0.	.0	168.6	1	JAN 0840	105	5.	1.3	170.3	1	JAN 1700	205	7.
2.4	171.0				*					*					
1	JAN 0025	6	0.	.1	168.6	1	JAN 0845	106	6.	1.3	170.4	1	JAN 1705	206	7.
2.3	171.0				*					*					
1	JAN 0030	7	0.	.1	168.6	1	JAN 0850	107	6.	1.4	170.4	1	JAN 1710	207	7.
2.3	171.0				*					*					
1	JAN 0035	8	0.	.1	168.6	1	JAN 0855	108	6.	1.4	170.5	1	JAN 1715	208	7.
2.3	171.0				*					*					
1	JAN 0040	9	0.	.1	168.6	1	JAN 0900	109	6.	1.4	170.5	1	JAN 1720	209	7.
2.3	171.0				*					*					
1	JAN 0045	10	0.	.1	168.7	1	JAN 0905	110	6.	1.5	170.5	1	JAN 1725	210	7.
2.2	171.0				*					*					
1	JAN 0050	11	1.	.1	168.7	1	JAN 0910	111	6.	1.5	170.6	1	JAN 1730	211	7.
2.2	170.9				*					*					
1	JAN 0055	12	1.	.1	168.7	1	JAN 0915	112	6.	1.6	170.6	1	JAN 1735	212	7.
2.2	170.9				*					*					
1	JAN 0100	13	1.	.1	168.7	1	JAN 0920	113	6.	1.7	170.7	1	JAN 1740	213	7.
2.1	170.9				*					*					
1	JAN 0105	14	1.	.2	168.7	1	JAN 0925	114	6.	1.8	170.7	1	JAN 1745	214	7.
2.1	170.9				*					*					
1	JAN 0110	15	1.	.2	168.7	1	JAN 0930	115	6.	1.8	170.7	1	JAN 1750	215	7.
2.1	170.9				*					*					
1	JAN 0115	16	1.	.2	168.8	1	JAN 0935	116	6.	1.9	170.8	1	JAN 1755	216	7.
2.1	170.9				*					*					
1	JAN 0120	17	1.	.2	168.8	1	JAN 0940	117	7.	2.0	170.9	1	JAN 1800	217	7.
2.0	170.9				*					*					
1	JAN 0125	18	1.	.2	168.8	1	JAN 0945	118	7.	2.2	170.9	1	JAN 1805	218	7.
2.0	170.8				*					*					
1	JAN 0130	19	1.	.2	168.8	1	JAN 0950	119	7.	2.4	171.0	1	JAN 1810	219	6.
2.0	170.8				*					*					
1	JAN 0135	20	1.	.2	168.8	1	JAN 0955	120	7.	2.5	171.1	1	JAN 1815	220	6.
1.9	170.8				*					*					
1	JAN 0140	21	1.	.2	168.8	1	JAN 1000	121	7.	2.7	171.2	1	JAN 1820	221	6.
1.9	170.8				*					*					
1	JAN 0145	22	1.	.2	168.8	1	JAN 1005	122	7.	2.9	171.3	1	JAN 1825	222	6.
1.9	170.8				*					*					
1	JAN 0150	23	1.	.3	168.9	1	JAN 1010	123	7.	3.0	171.4	1	JAN 1830	223	6.
1.9	170.8				*					*					
1	JAN 0155	24	1.	.3	168.9	1	JAN 1015	124	8.	3.2	171.5	1	JAN 1835	224	6.
1.8	170.7				*					*					
1	JAN 0200	25	1.	.3	168.9	1	JAN 1020	125	8.	3.4	171.6	1	JAN 1840	225	6.
1.8	170.7				*					*					
1	JAN 0205	26	1.	.3	168.9	1	JAN 1025	126	8.	3.5	171.7	1	JAN 1845	226	6.
1.8	170.7				*					*					
1	JAN 0210	27	1.	.3	168.9	1	JAN 1030	127	8.	3.7	171.8	1	JAN 1850	227	6.
1.8	170.7				*					*					
1	JAN 0215	28	1.	.3	168.9	1	JAN 1035	128	8.	3.8	171.9	1	JAN 1855	228	6.
1.7	170.7				*					*					
1	JAN 0220	29	1.	.3	168.9	1	JAN 1040	129	8.	3.9	171.9	1	JAN 1900	229	6.
1.7	170.7				*					*					
1	JAN 0225	30	1.	.3	169.0	1	JAN 1045	130	8.	4.0	172.0	1	JAN 1905	230	6.
1.7	170.7				*					*					
1	JAN 0230	31	1.	.3	169.0	1	JAN 1050	131	8.	4.0	172.0	1	JAN 1910	231	6.
1.6	170.6				*					*					
1	JAN 0235	32	1.	.3	169.0	1	JAN 1055	132	8.	4.0	172.0	1	JAN 1915	232	6.
1.6	170.6				*					*					
1	JAN 0240	33	2.	.4	169.0	1	JAN 1100	133	8.	4.0	172.0	1	JAN 1920	233	6.
1.6	170.6				*					*					

				EGPOST.OUT									
1	JAN 0245	34	2.	.4	169.0 *	1 JAN 1105	134	8.	4.0	172.0 *	1 JAN 1925	234	6.
1.6	170.6												
1	JAN 0250	35	2.	.4	169.0 *	1 JAN 1110	135	8.	4.0	172.0 *	1 JAN 1930	235	6.
1.5	170.6												
1	JAN 0255	36	2.	.4	169.0 *	1 JAN 1115	136	8.	4.0	172.0 *	1 JAN 1935	236	6.
1.5	170.6												
1	JAN 0300	37	2.	.4	169.1 *	1 JAN 1120	137	8.	4.0	172.0 *	1 JAN 1940	237	6.
1.5	170.5												
1	JAN 0305	38	2.	.4	169.1 *	1 JAN 1125	138	8.	4.0	172.0 *	1 JAN 1945	238	6.
1.5	170.5												
1	JAN 0310	39	2.	.4	169.1 *	1 JAN 1130	139	8.	4.0	172.0 *	1 JAN 1950	239	6.
1.4	170.5												
1	JAN 0315	40	2.	.4	169.1 *	1 JAN 1135	140	8.	4.0	172.0 *	1 JAN 1955	240	6.
1.4	170.5												
1	JAN 0320	41	2.	.4	169.1 *	1 JAN 1140	141	8.	4.0	172.0 *	1 JAN 2000	241	6.
1.4	170.5												
1	JAN 0325	42	2.	.4	169.1 *	1 JAN 1145	142	8.	4.0	171.9 *	1 JAN 2005	242	6.
1.4	170.4												
1	JAN 0330	43	2.	.4	169.1 *	1 JAN 1150	143	8.	3.9	171.9 *	1 JAN 2010	243	6.
1.3	170.4												
1	JAN 0335	44	2.	.5	169.1 *	1 JAN 1155	144	8.	3.9	171.9 *	1 JAN 2015	244	6.
1.3	170.4												
1	JAN 0340	45	2.	.5	169.2 *	1 JAN 1200	145	8.	3.9	171.9 *	1 JAN 2020	245	5.
1.3	170.3												
1	JAN 0345	46	2.	.5	169.2 *	1 JAN 1205	146	8.	3.9	171.9 *	1 JAN 2025	246	5.
1.3	170.3												
1	JAN 0350	47	2.	.5	169.2 *	1 JAN 1210	147	8.	3.9	171.9 *	1 JAN 2030	247	5.
1.2	170.3												
1	JAN 0355	48	2.	.5	169.2 *	1 JAN 1215	148	8.	3.9	171.9 *	1 JAN 2035	248	5.
1.2	170.2												
1	JAN 0400	49	2.	.5	169.2 *	1 JAN 1220	149	8.	3.8	171.9 *	1 JAN 2040	249	5.
1.2	170.2												
1	JAN 0405	50	2.	.5	169.2 *	1 JAN 1225	150	8.	3.8	171.9 *	1 JAN 2045	250	5.
1.2	170.2												
1	JAN 0410	51	2.	.5	169.2 *	1 JAN 1230	151	8.	3.8	171.9 *	1 JAN 2050	251	5.
1.2	170.1												
1	JAN 0415	52	2.	.5	169.2 *	1 JAN 1235	152	8.	3.8	171.8 *	1 JAN 2055	252	5.
1.1	170.1												
1	JAN 0420	53	2.	.5	169.3 *	1 JAN 1240	153	8.	3.8	171.8 *	1 JAN 2100	253	5.
1.1	170.1												
1	JAN 0425	54	2.	.5	169.3 *	1 JAN 1245	154	8.	3.7	171.8 *	1 JAN 2105	254	5.
1.1	170.1												
1	JAN 0430	55	2.	.6	169.3 *	1 JAN 1250	155	8.	3.7	171.8 *	1 JAN 2110	255	5.
1.1	170.0												
1	JAN 0435	56	2.	.6	169.3 *	1 JAN 1255	156	8.	3.7	171.8 *	1 JAN 2115	256	5.
1.1	170.0												
1	JAN 0440	57	2.	.6	169.3 *	1 JAN 1300	157	8.	3.7	171.8 *	1 JAN 2120	257	4.
1.0	170.0												
1	JAN 0445	58	2.	.6	169.3 *	1 JAN 1305	158	8.	3.6	171.8 *	1 JAN 2125	258	4.
1.0	170.0												
1	JAN 0450	59	2.	.6	169.3 *	1 JAN 1310	159	8.	3.6	171.8 *	1 JAN 2130	259	4.
1.0	169.9												
1	JAN 0455	60	3.	.6	169.3 *	1 JAN 1315	160	8.	3.6	171.7 *	1 JAN 2135	260	4.
1.0	169.9												
1	JAN 0500	61	3.	.6	169.4 *	1 JAN 1320	161	8.	3.6	171.7 *	1 JAN 2140	261	4.
1.0	169.9												
1	JAN 0505	62	3.	.6	169.4 *	1 JAN 1325	162	8.	3.5	171.7 *	1 JAN 2145	262	4.
1.0	169.9												
1	JAN 0510	63	3.	.6	169.4 *	1 JAN 1330	163	8.	3.5	171.7 *	1 JAN 2150	263	4.
1.0	169.9												
1	JAN 0515	64	3.	.6	169.4 *	1 JAN 1335	164	8.	3.5	171.7 *	1 JAN 2155	264	4.
.9	169.8												
1	JAN 0520	65	3.	.6	169.4 *	1 JAN 1340	165	8.	3.5	171.7 *	1 JAN 2200	265	4.
.9	169.8												
1	JAN 0525	66	3.	.7	169.4 *	1 JAN 1345	166	8.	3.4	171.7 *	1 JAN 2205	266	4.
.9	169.8												
1	JAN 0530	67	3.	.7	169.4 *	1 JAN 1350	167	8.	3.4	171.6 *	1 JAN 2210	267	4.
.9	169.8												
1	JAN 0535	68	3.	.7	169.5 *	1 JAN 1355	168	8.	3.4	171.6 *	1 JAN 2215	268	4.
.9	169.8												
1	JAN 0540	69	3.	.7	169.5 *	1 JAN 1400	169	8.	3.4	171.6 *	1 JAN 2220	269	4.
.9	169.7												
1	JAN 0545	70	3.	.7	169.5 *	1 JAN 1405	170	8.	3.3	171.6 *	1 JAN 2225	270	4.
.9	169.7												
1	JAN 0550	71	3.	.7	169.5 *	1 JAN 1410	171	8.	3.3	171.6 *	1 JAN 2230	271	4.
.8	169.7												
1	JAN 0555	72	3.	.7	169.5 *	1 JAN 1415	172	8.	3.3	171.6 *	1 JAN 2235	272	4.
.8	169.7												
1	JAN 0600	73	3.	.7	169.5 *	1 JAN 1420	173	8.	3.3	171.6 *	1 JAN 2240	273	4.
.8	169.7												
1	JAN 0605	74	3.	.7	169.5 *	1 JAN 1425	174	8.	3.2	171.5 *	1 JAN 2245	274	3.
.8	169.7												
1	JAN 0610	75	3.	.7	169.6 *	1 JAN 1430	175	8.	3.2	171.5 *	1 JAN 2250	275	3.
.8	169.6												
1	JAN 0615	76	3.	.8	169.6 *	1 JAN 1435	176	8.	3.2	171.5 *	1 JAN 2255	276	3.
.8	169.6												
1	JAN 0620	77	3.	.8	169.6 *	1 JAN 1440	177	7.	3.2	171.5 *	1 JAN 2300	277	3.
.8	169.6												

Time	Date	Flow (CFS)	Stage (ft)	Area (sq mi)	Flow (CFS)	Stage (ft)	Area (sq mi)	Date	Flow (CFS)	Stage (ft)	Area (sq mi)		
1	JAN 0625	78	3.	.8	169.6 *	1 JAN 1445	178	7.	3.1	171.5 *	1 JAN 2305	278	3.
.8	169.6												
1	JAN 0630	79	3.	.8	169.6 *	1 JAN 1450	179	7.	3.1	171.5 *	1 JAN 2310	279	3.
.8	169.6												
1	JAN 0635	80	3.	.8	169.6 *	1 JAN 1455	180	7.	3.1	171.4 *	1 JAN 2315	280	3.
.8	169.6												
1	JAN 0640	81	3.	.8	169.7 *	1 JAN 1500	181	7.	3.0	171.4 *	1 JAN 2320	281	3.
.7	169.6												
1	JAN 0645	82	4.	.8	169.7 *	1 JAN 1505	182	7.	3.0	171.4 *	1 JAN 2325	282	3.
.7	169.5												
1	JAN 0650	83	4.	.8	169.7 *	1 JAN 1510	183	7.	3.0	171.4 *	1 JAN 2330	283	3.
.7	169.5												
1	JAN 0655	84	4.	.9	169.7 *	1 JAN 1515	184	7.	3.0	171.4 *	1 JAN 2335	284	3.
.7	169.5												
1	JAN 0700	85	4.	.9	169.7 *	1 JAN 1520	185	7.	2.9	171.4 *	1 JAN 2340	285	3.
.7	169.5												
1	JAN 0705	86	4.	.9	169.8 *	1 JAN 1525	186	7.	2.9	171.3 *	1 JAN 2345	286	3.
.7	169.5												
1	JAN 0710	87	4.	.9	169.8 *	1 JAN 1530	187	7.	2.9	171.3 *	1 JAN 2350	287	3.
.7	169.5												
1	JAN 0715	88	4.	.9	169.8 *	1 JAN 1535	188	7.	2.8	171.3 *	1 JAN 2355	288	3.
.7	169.5												
1	JAN 0720	89	4.	.9	169.8 *	1 JAN 1540	189	7.	2.8	171.3 *	2 JAN 0000	289	3.
.7	169.5												
1	JAN 0725	90	4.	.9	169.8 *	1 JAN 1545	190	7.	2.8	171.3 *	2 JAN 0005	290	3.
.7	169.4												
1	JAN 0730	91	4.	1.0	169.9 *	1 JAN 1550	191	7.	2.8	171.3 *	2 JAN 0010	291	3.
.7	169.4												
1	JAN 0735	92	4.	1.0	169.9 *	1 JAN 1555	192	7.	2.7	171.3 *	2 JAN 0015	292	3.
.6	169.4												
1	JAN 0740	93	4.	1.0	169.9 *	1 JAN 1600	193	7.	2.7	171.2 *	2 JAN 0020	293	3.
.6	169.4												
1	JAN 0745	94	4.	1.0	169.9 *	1 JAN 1605	194	7.	2.7	171.2 *	2 JAN 0025	294	3.
.6	169.4												
1	JAN 0750	95	4.	1.0	170.0 *	1 JAN 1610	195	7.	2.6	171.2 *	2 JAN 0030	295	2.
.6	169.3												
1	JAN 0755	96	5.	1.1	170.0 *	1 JAN 1615	196	7.	2.6	171.2 *	2 JAN 0035	296	2.
.6	169.3												
1	JAN 0800	97	5.	1.1	170.0 *	1 JAN 1620	197	7.	2.6	171.2 *	2 JAN 0040	297	2.
.6	169.3												
1	JAN 0805	98	5.	1.1	170.1 *	1 JAN 1625	198	7.	2.6	171.2 *	2 JAN 0045	298	2.
.5	169.3												
1	JAN 0810	99	5.	1.1	170.1 *	1 JAN 1630	199	7.	2.5	171.1 *	2 JAN 0050	299	2.
.5	169.2												
1	JAN 0815	100	5.	1.2	170.1 *	1 JAN 1635	200	7.	2.5	171.1 *	2 JAN 0055	300	2.
.5	169.2												

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	24.92-HR
(CFS)	(HR)	(CFS)		24-HR		
8.	11.08		8.	5.	5.	5.
		(INCHES)	.553	1.424	1.426	1.426
		(AC-FT)	4.	10.	10.	10.

PEAK STORAGE	TIME		6-HR	MAXIMUM AVERAGE STORAGE	72-HR	24.92-HR
(AC-FT)	(HR)			24-HR		
4.	11.08		3.	2.	2.	2.

PEAK STAGE	TIME		6-HR	MAXIMUM AVERAGE STAGE	72-HR	24.92-HR
(FEET)	(HR)			24-HR		
171.98	11.08		171.68	170.35	170.29	170.29

CUMULATIVE AREA = .13 SQ MI

1

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

TIME OF STAGE	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	MAX
					6-HOUR	24-HOUR	72-HOUR			
+	HYDROGRAPH AT	SE DE	37.	10.08	15.	6.	6.	.12		
+	ROUTED TO	SEBAS	6.	12.08	6.	5.	5.	.12	126.32	

12,25

EGPOST.OUT

+	HYDROGRAPH AT	SE UN	1.	10.00	0.	0.	0.	.00	
+	HYDROGRAPH AT	SW DE	49.	10.08	19.	8.	8.	.14	
+	HYDROGRAPH AT	SW UN	18.	10.58	7.	3.	3.	.16	
+	2 COMBINED AT	SWJUN	67.	10.50	26.	11.	11.	.30	
+	ROUTED TO	SWBAS	32.	10.83	25.	11.	11.	.30	
+									164.81
+	10.83								
+	3 COMBINED AT	SJUNC	38.	10.83	31.	16.	16.	.43	
+	HYDROGRAPH AT	N DEV	26.	10.00	10.	4.	4.	.08	
+	HYDROGRAPH AT	N UND	7.	10.50	2.	1.	1.	.05	
+	2 COMBINED AT	N JUNC	32.	10.00	12.	5.	5.	.13	
+	ROUTED TO	N BAS	8.	11.08	8.	5.	5.	.13	
+									171.98
+	11.08								

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