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# Statistical Analysis of Hydrological Data from Five Small Watersheds in Western Oregon Volume II: Data

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STATISTICAL ANALYSIS OF HYDROLOGICAL DATA  
FROM FIVE SMALL WATERSHEDS IN WESTERN OREGON

VOLUME II: DATA

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## ABSTRACT

The two volumes of this report are concerned with field data obtained during the Elkins Road Experimental Watershed Study, a research project designed to quantify relationships between precipitation, soil factors, and watershed runoff for conditions representative of portions of the Willamette Valley, Oregon. The data included measurements of precipitation, watershed runoff, and suspended sediment concentrations for five small agricultural watersheds from November 1977 to April 1981. A statistical analysis of the hydrologic data including a description of precipitation "events" and event characteristics based on the precipitation data was presented in Volume 1. This volume of the report presents a summary of the watersheds' characteristics and a listing of the hydrologic data base. The data base consists of measurements of precipitation and watershed runoff for each watershed at time intervals of one hour for the duration of the study. Periodic measurements of suspended sediment, nitrate-nitrogen, and phosphorus concentrations are also included. All of the tabulated data contained within the report have also been stored on magnetic tape for reference, and procedures for retrieving the data from these tapes are given.

## ACKNOWLEDGEMENTS

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STATISTICAL ANALYSIS OF HYDROLOGICAL DATA FOR  
FIVE SMALL AGRICULTURAL WATERSHEDS IN WESTERN OREGON

VOLUME II: DATA

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1. INTRODUCTION

Measurements performed over the last two decades have shown that erosion losses from agricultural land in portions of the Pacific Northwest can be very high (USDA, 1981). The highest erosion losses result from several "critical" combinations of soil and climatic factors (Zuzel et al., 1982). Some examples are rainfall on frozen or thawing soil, combined rainfall and snowmelt, and combinations of low-intensity, long-duration rainfall with high antecedent soil water conditions (McCool et al., 1982; Wischmeier and Smith, 1978; Istok and Kling, 1983). Because these conditions are complex, it has been difficult to develop accurate methods of erosion prediction for the region (McCool et al., 1976). This difficulty is increased by the lack of data for all but a few experimental locations. Until additional data and new analysis techniques are developed, it will be impossible to make accurate erosion predictions in the Pacific Northwest.

In 1976, the Department of Soil Science at Oregon State University initiated the Elkins Road Experimental Watershed study (Harward et al., 1980). The objective was to identify the combinations of factors that control the timing and amount of soil erosion in western Oregon. The results of several investigations based on the data have been reported in the literature (Brown et al., 1981; Laird and Harward, 1982; Lowery et

al., 1982). In June 1981, measurements at the Elkins Road site were completed. A statistical analysis of the hydrologic data for the five agricultural watersheds used in the study was presented in Volume 1 of this report. This volume contains a listing of the complete hydrologic data base used in that analysis. All the data tabulated in this report have been stored on magnetic tape, but until more secure means of long-term storage are perfected, the authors felt that a printed document would guarantee the availability of the data for a longer period of time.

A summary of some important watershed characteristics is presented in Section 2. The hydrologic data base is described in Section 3 and procedures that can be used to retrieve copies of the data from magnetic tape storage are presented in Section 4. A complete listing of the hydrologic data base is presented in tabular form in the Appendices.

## 2. SUMMARY OF WATERSHED CHARACTERISTICS

The Elkins Road Experimental Watershed study area comprises the 704-acre drainage basin of a southwest-flowing intermittent stream that passes, at the watershed outlet, through a culvert beneath Elkins Road about 1.3 miles west of the intersection of Elkins Road and old route 99W in southeastern Polk County (Figure 1). The watershed is within the Luckiamute River drainage basin in the western foothills of the Willamette Valley. The Luckiamute is a major tributary of the Willamette River. Total relief in the watershed is about 275 feet, with slopes ranging from near level to about 20% (Figure 2). The land is devoted almost entirely to production of grass seed, small grains, hay, pasture, and orchard crops, with minor areas of forest (Glasmann, 1979; Glasmann and Kling, 1980; Glasmann et al., 1980).

Principal soils on the watershed are the moderately deep Willakenzie series (Ultic Haploxeralfs, fine-silty, mixed, mesic), both fine-textured and deep variants of Willakenzie soils, a moderately deep variant of the Helmick series (Aquic Xerochrepts, very-fine, mixed, mesic), the deep Woodburn series (Aquultic Argixerolls, fine-silty, mixed, mesic), the deep Waldo series (Fluventic Haplaquolls, fine, mixed, mesic), and a gently sloping variant of Waldo soils (Glasmann et al., 1980) (Figure 3, Table 1).

Willakenzie and Helmick soils are found above an elevation of 262 feet beneath the mid and late Pleistocene Dolph and Brateng geomorphic surfaces. Woodburn soils are found beneath the late Pleistocene Bethel geomorphic surface below an elevation of 262 feet. Waldo soils have developed in Holocene alluvium beneath the Luckiamute geomorphic surface (Glasmann et al., 1980).

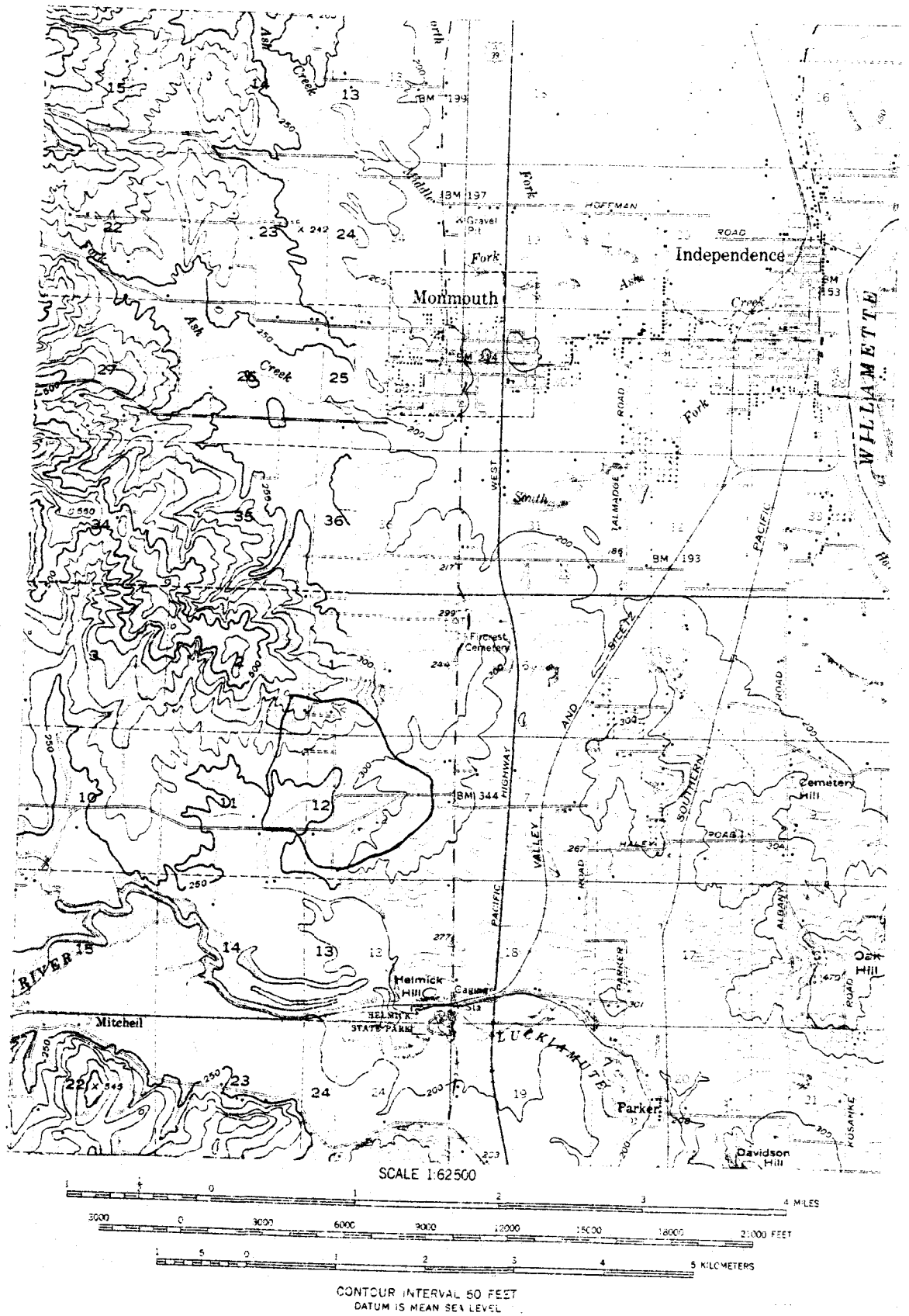
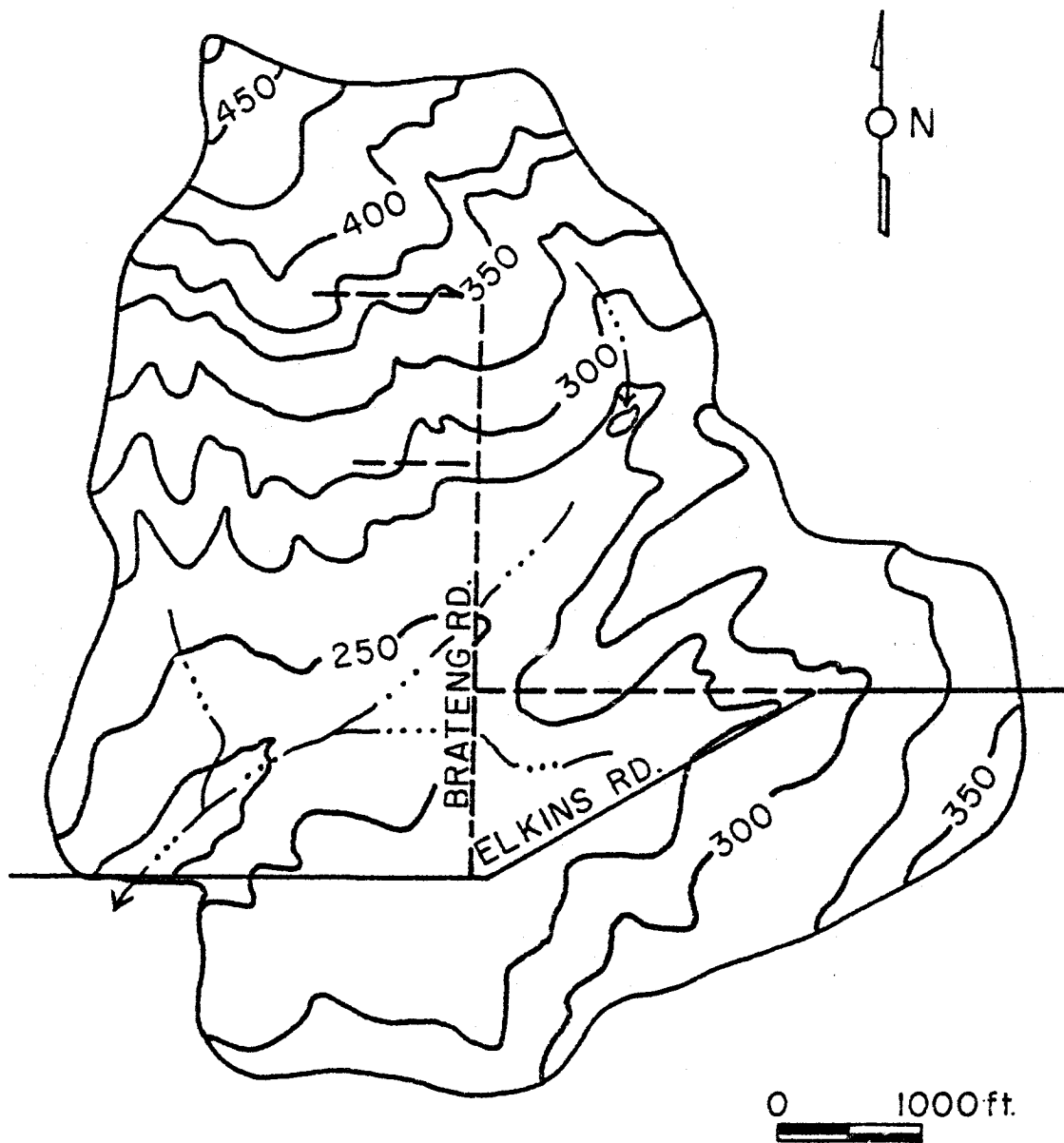


Figure 1. Location of the Elkins Road Experimental Watershed.



CONTOUR INTERVAL = 25 FEET

Figure 2. Topographic map of the Elkins Road Experimental Watershed.



Figure 3. Soils map of the Elkins Road Road Experimental Watershed. Map legend is presented in Table 1.

Table 1. Soil map legend, Elkins Road Experimental Watershed

Map symbol	Soil†	% Slope	Range in characteristics	Inclusions‡	Proportion of 704-acre mapping area (%)
AmB	Amity (Argiaquic Xeric Argialbolls, fine-silty, mixed, mesic)	3-7	Somewhat poorly drained; greater than 150 cm over bedrock.	Occasional WnB, WoA, WvB; small areas of unnamed, moderately well or somewhat poorly drained alluvial terrace soil.	1.6
DvB	Dupee Variant, Fine-Silty§ (Aquultic Haploxeralfs, fine-silty, mixed, mesic)	3-7	Somewhat poorly drained, except moderately well drained in higher elevations of some delineations; greater than 100 cm over bedrock; 50 to about 95 cm of surface silts over paleosol, although usually 70 to about 95 cm; this soil found in wide swales along ephemeral drainageways, in fan-like positions, and in footslope; moderate to severe flood hazard.	Occasional WvB; paleosol weakly expressed in places.	2.8
HdB	Helmick Variant, Moderately Deep¶ (Aquic Xerochrepts, very-fine, mixed, mesic)		Somewhat poorly or moderately well drained; 50 to 100 cm over clayey bedrock; this unit difficult to map because occurrence of fine-textured layers in bedrock is difficult to predict; these clayey layers usually 4 m or more thick with 35 to 50% clay, but occasionally thinner, and occasionally having 50 to 70% clay.	Percentage of inclusions is high in and near delineations of Hd; common Wk; occasional Wd; occasionally deeper than 100 cm over bedrock; surface silts occasionally less than 50 cm thick, especially in convex shoulder areas or in steeper areas of the unit; presence of a paleosol just above or in the clayey bedrock is hard to distinguish because of the fineness of the bedrock.	3.8
HdC	Helmick Variant, Moderately Deep¶ (Aquic Xerochrepts, very-fine, mixed, mesic)	7-12	Same as for HdB.	Same as for HdB.	1.1
WdB	Willakenzie Variant, Deep# (Ultic Haploxeralfs, fine-silty, mixed, mesic)	3-7	Well or moderately well drained; 100 to 150 cm over bedrock; 25 to 90 cm of surface silts over paleosol.	Sometimes deeper than 100 cm over paleosol; occasionally fine textured as function of well-developed paleosol or of clayey bedrock; occasionally fine-loamy as function of gravelly/sandy bedrock; surface silts less than 25 cm thick in places, especially convex shoulder areas and steeper parts of the unit; occasional inclusions of WnB, especially at lower elevations where WdB is gradational between moderately deep upland soils and deep silty soils of lower elevations.	13.0

Table 1 (continued)

Map symbol	Soil†	% Slope	Range in characteristics	Inclusions†	Proportion of 704-acre mapping area (%)
WdC	Willakenzie Variant, Deep#	7-12	Well or moderately well drained; 100 to 150 cm over bedrock; 50 to 90 cm of surface silts over paleosol; silts commonly reworked and in some cases overthickened by slope wash, the latter particularly apparent in footslope positions.	Sometimes deeper than 100 cm over paleosol; occasionally fine-loamy as function of gravelly/sandy bedrock; occasional WkC; occasional deep analogues of Wf and Hd; inclusions of WnB, WoA, WvB, and DvB along lower edges of delineations where WdC is gradational between moderately deep upland soils and deep silty soils of lower elevations.	4.3
WfB	Willakenzie Variant, Fine## (Ultic Haploxeralfs, fine, mixed, mesic)	3-7	Well or moderately well drained; 50 to 100 cm over bedrock; 25 to about 90 cm of surface silts over a strongly developed paleosol.	Sometimes deeper than 100 cm over bedrock; less frequently, deeper than 100 cm over paleosol; surface silts occasionally less than 25 cm thick over paleosol, especially in convex shoulder areas or in steeper parts of the unit; occasional Wk and Hd.	6.2
WfC	Willakenzie Variant, Fine## (Ultic Haploxeralfs, fine, mixed, mesic)	7-12	Same as for WfB.	Same as for WfB	3.5
WfD	Willakenzie Variant, Fine## (Ultic Haploxeralfs, fine, mixed, mesic)	12-20	Same as for WfB.	Same as for WfB	0.4
WkA	Willakenzie (Ultic Haploxeralfs, fine-silty, mixed, mesic)	0-3	Moderately well or well drained; 50 to 100 cm over mainly silty bedrock; 50 to 75 cm of surface silts over paleosol.		0.7
WkB	Willakenzie	3-7	Well or moderately well drained; 50 to 100 cm over mainly silty bedrock; 25 to 90 cm of surface silts over paleosol.	Paleosol occasionally absent; occasional WdB, WfB, and HdB, occasionally fine-loamy as function of gravelly/sandy bedrock; surface silts occasionally less than 25 cm thick, especially in convex shoulder areas and in steeper parts of the unit, and in high elevations (more than 394 feet above sea level).	19.0



Table 1 (continued)

Map symbol	Soil†	% Slope	Range in characteristics	Inclusions‡	Proportion of 704-acre mapping area (%)
WkC	Willakenzie (Ultic Haploxeralfs, fine-silty, mixed, mesic)	7-12	Same as for WkB.	Paleosol occasionally absent; surface silts occasionally less than 25 cm thick over paleosol, especially in convex shoulder areas or in steeper parts of the unit; occasional Wd; occasionally fine-loamy as function of gravelly/sandy bedrock.	10.7
WkD	Willakenzie (Ultic Haploxeralfs, fine-silty, mixed, mesic)	12-20	Same as for WkB.	Same as for WkC.	4.3
WmC	Willamette Variant, Non-Pachic* (Ultic Argixerolls, fine-silty, mixed, mesic)	7-12	Well drained; greater than 150 cm over bedrock.	Occasional Wn.	1.0
WnB	Woodburn (Aquultic Argixerolls, fine-silty, mixed, mesic)	3-7	Moderately well drained; greater than 150 cm over bedrock.	Occasional Wm, AmB; in places the upper boundary of the argillic horizon is below 100 cm.	9.3
WoA	Waldo (Fluventic Haploquolls, fine, mixed, mesic)	0-3	Poorly drained; greater than 150 cm over bedrock; greater than 100 cm of alluvium over an argillic horizon, with silt coatings common on prism faces above this depth; stratified; texture variable within fine-silty textural family; channel scars apparent in least disturbed parts of landscape; severe flood hazard.	Poorly to well expressed argillic horizon below about 70 cm in places, especially around edges of delineations, where alluvium is thin; occasional Am on A and B isopes; stratification may cause some pedons to be fine-silty, coarse-silty, or fine, and similar textural variations are possible below the 100 cm depth.	10.9
WvB	Waldo Variant, Gently Sloping** (Fluventic Haploquolls, fine, mixed, mesic)	3-7	Somewhat poorly or poorly drained; greater than 150 cm over bedrock; greater than 100 cm of alluvium over an argillic horizon; this unit similar to WoA but found on higher, gently sloping areas along ephemeral drainageways, severe flood hazard.	Occasional WoA and AmB; moderately well drained in higher parts of some delineations; stratification may cause some pedons to be fine-silty, coarse-silty, or fine; an argillic horizon may be found above the 100 cm depth; bedrock may be found above the 150 cm depth in higher elevations.	7.2

Table 1 (continued)

Map symbol	Soil†	% Slope	Range in characteristics	Inclusions‡	Proportion of 704-acre mapping area (%)
	Water (farm ponds)				0.2
	Dike				
	Stream (crossable with tillage implements)				
	Stream (not crossable with tillage implements)				
	Watershed Boundary				

†All surface textures are silty clay loam except those of Amity, Willamette, and Woodburn soils, which have silt loam surfaces.

‡The most common inclusions in each map unit are indicated here.

§True Dupee soils are in a fine family and have loam or silt loam surface texture.

¶The Helmick series consists of deep soils that formed in "mixed alluvium and colluvium over residuum weathered from sandstone and siltstone" (Official Series Description, National Cooperative Soil Survey, USDA, 1/77). This variant differs in that it is moderately deep to clayey bedrock. Also the depth of solum in this variant is often greater than the 50 cm allowed for Helmick soils.

#True Willakenzie soils are moderately deep (50 to 100 cm) to bedrock.

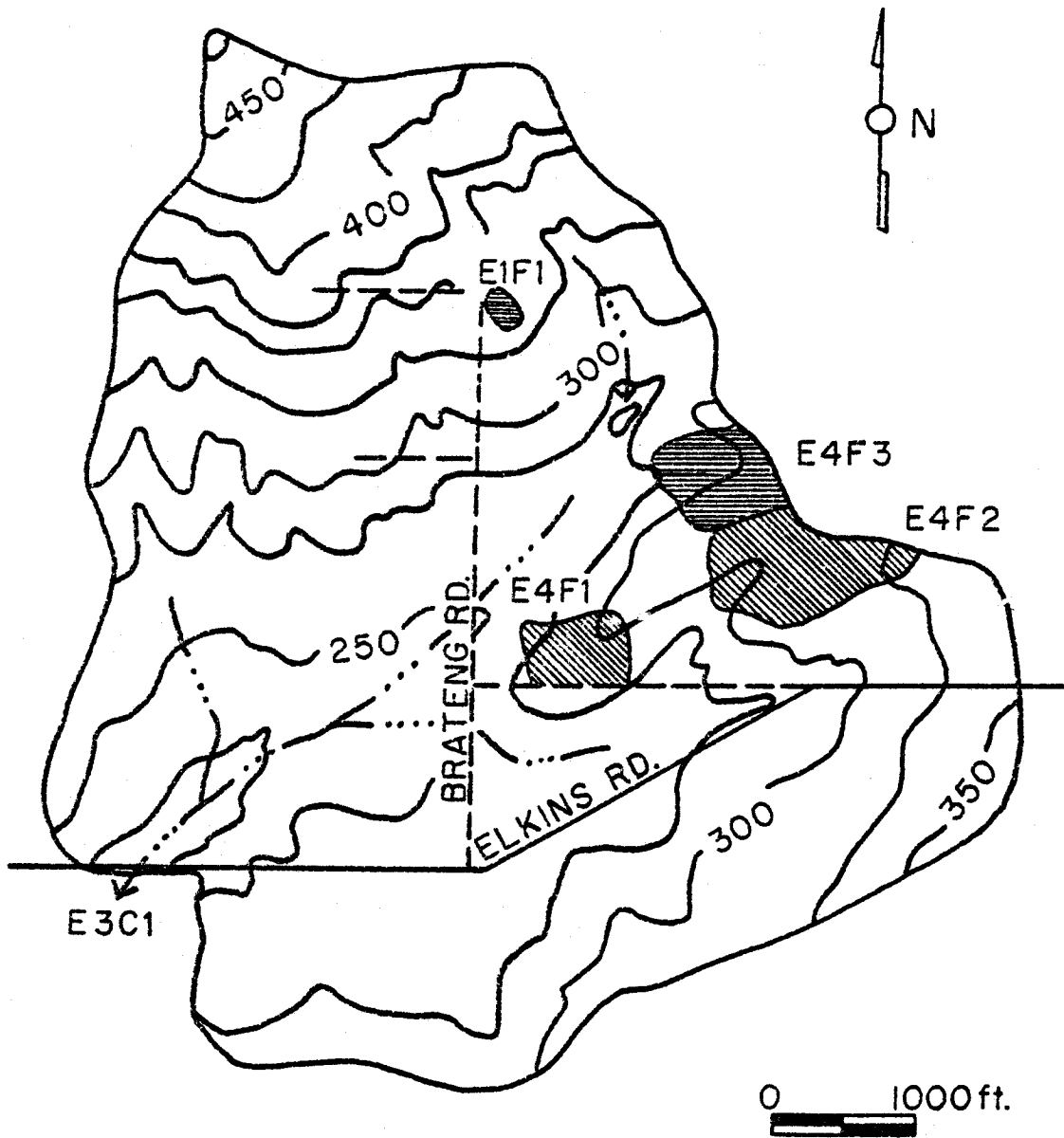
##True Willakenzie soils are fine-silty.

\*True Willamette soils have a thicker mollic epipedon than this variant. This variant was first recognized by Gelderman and Parsons (Gelderman, F.W., and R.B. Parsons, 1972. Argixerolls on late Pleistocene surfaces in northwestern Oregon. Soil Sci. Soc. Am. Proc. 36:335-341).

\*\*True Waldo soils are nearly level and poorly drained. This variant is gently sloping and often somewhat poorly drained.

The 704-acre watershed contains several smaller watersheds which are between 1.13 and 14.8 acres in size. The watersheds were named as follows: E3C1: 704 acres; E1F1: 1.13 acres; E4F1: 3.46 acres; E4F3: 5.93 acres; E4F2: 14.8 acres (Figure 4). Topographic and soil maps for watersheds E1F1, E4F1, E4F2, and E4F3 are presented in Figures 5 through 8.

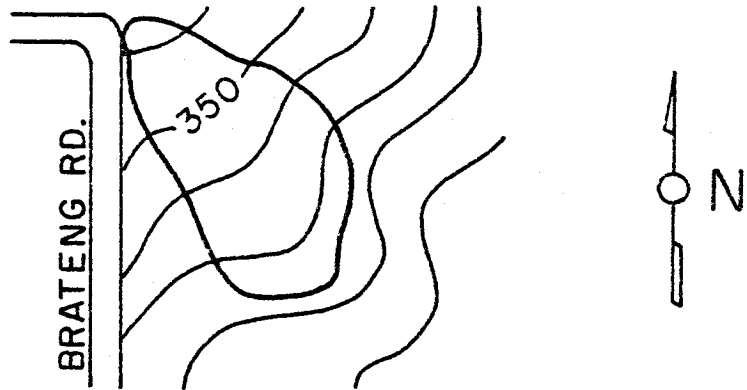
In August 1979 a subsurface drainage system was installed on watershed E4F1. Four-inch diameter, flexible plastic drainage tubing was installed in a patterned arrangement with drainlines spaced approximately 40 feet apart (Figure 9). The drainage system mainline passed through a sampling station next to the watershed outlet. This sampling station was referred to as E4V1.



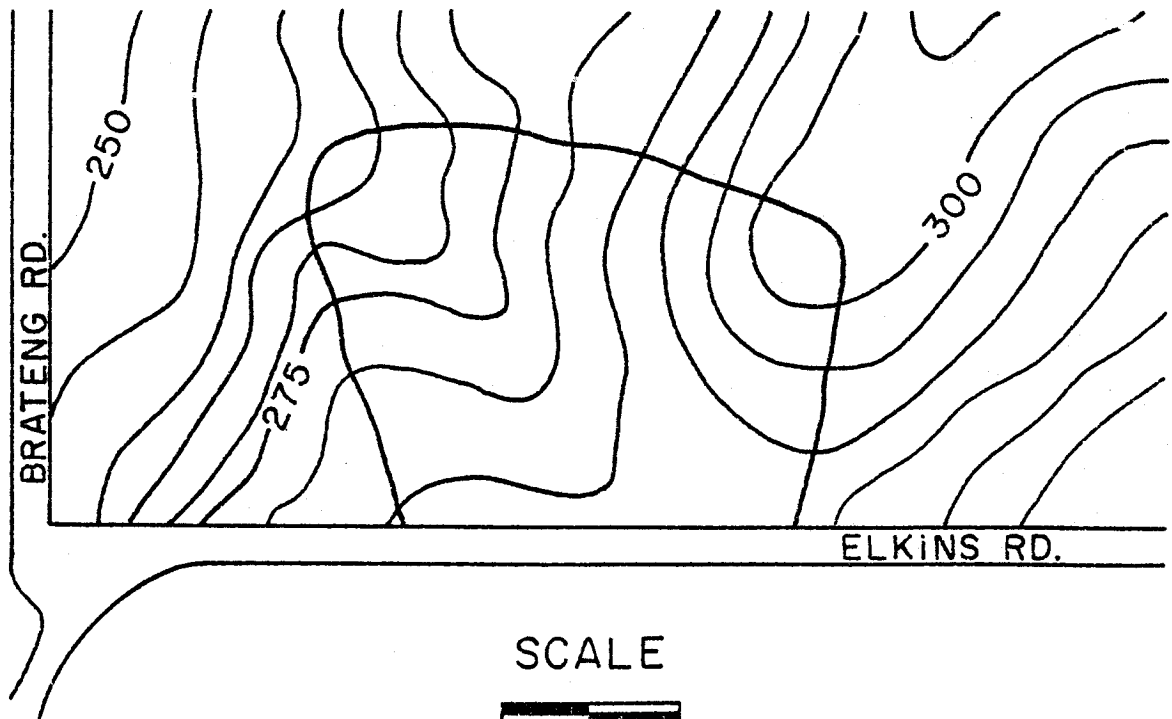
CONTOUR INTERVAL = 25 FEET

Figure 4. Location of watersheds.

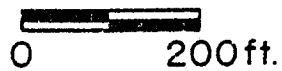
# WATERSHED E1F1



# WATERSHED E4F1



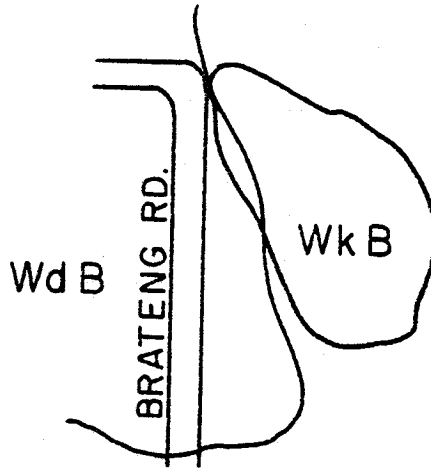
SCALE



CONTOUR INTERVAL = 5 FEET

Figure 5. Topographic map of watersheds E1F1 and E4F1.

# WATERSHED E1F1



# WATERSHED E4F1

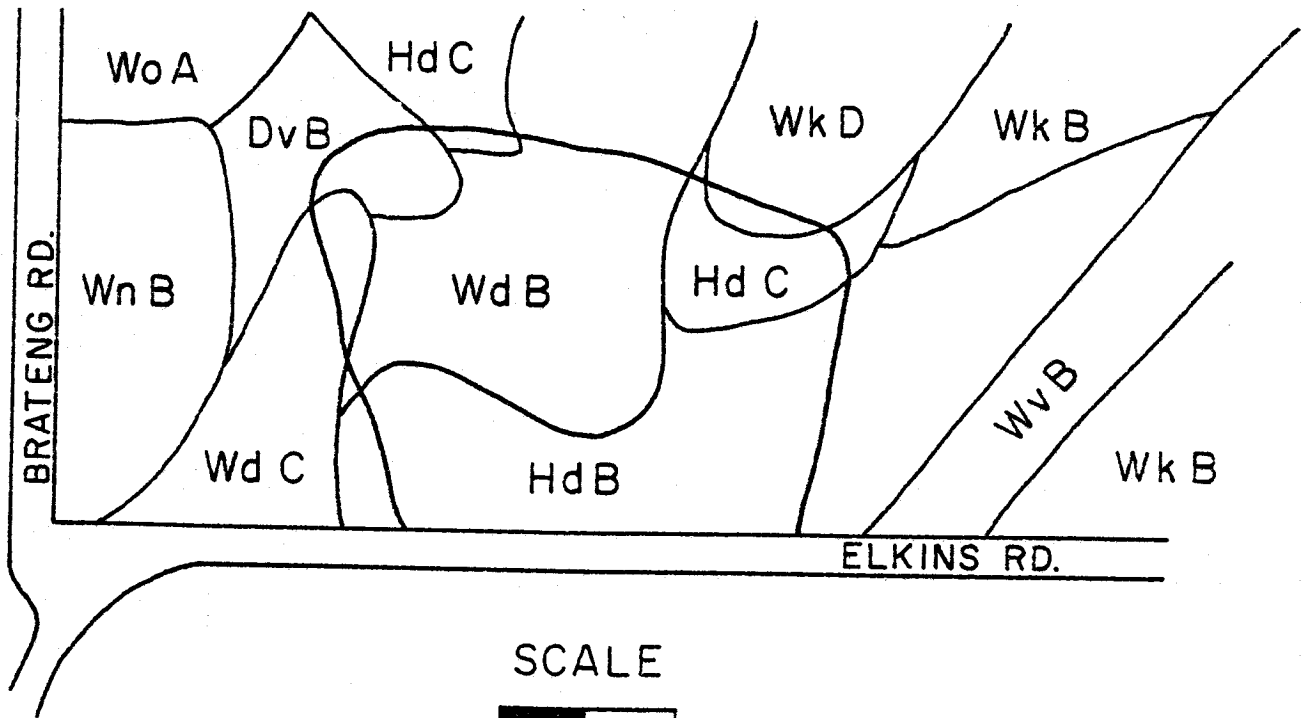
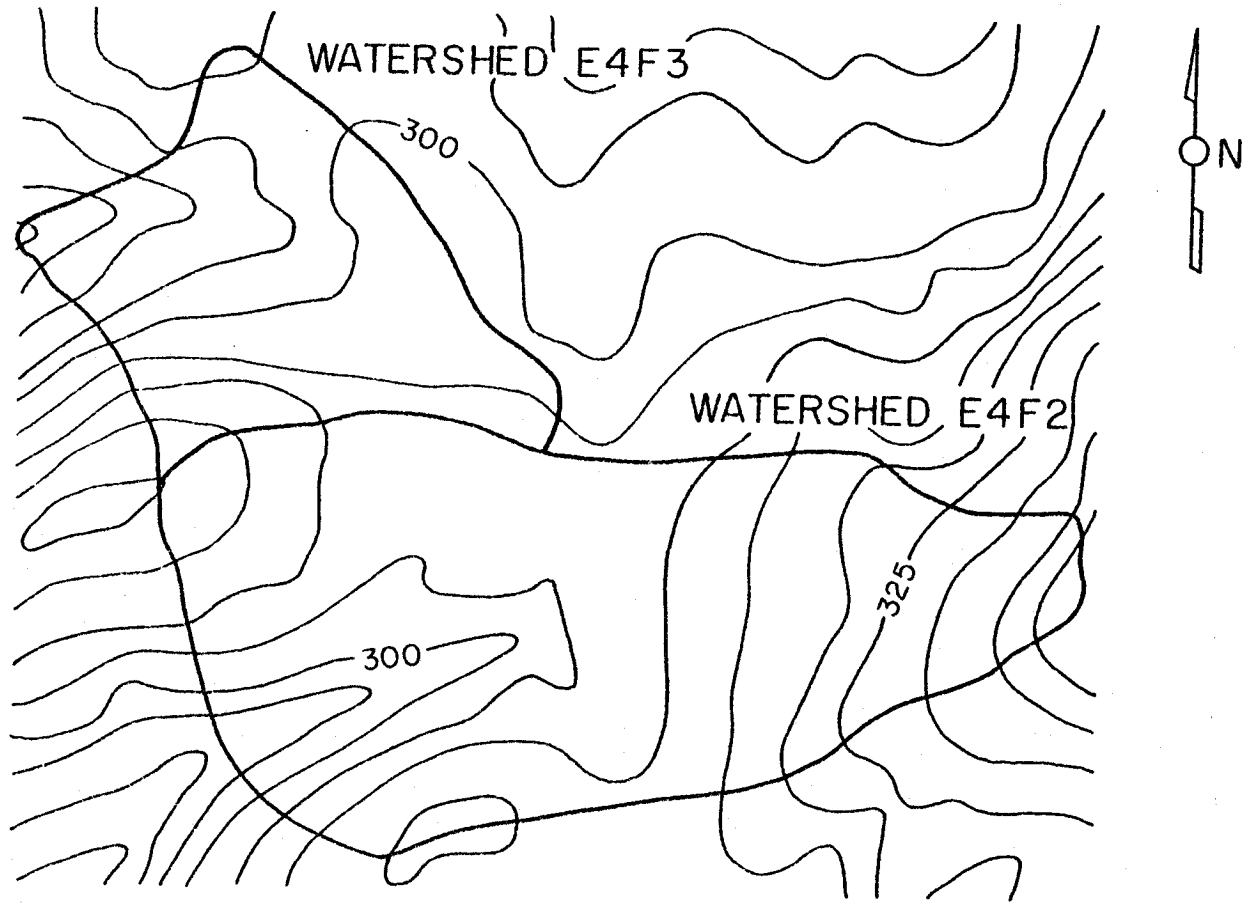


Figure 6. Soils map of watersheds E1F1 and E4F1. Map legend is presented in Table 1.



SCALE  
0 200ft.

CONTOUR INTERVAL = 5 FEET

Figure 7. Topographic map of watersheds E4F2 and E4F3.

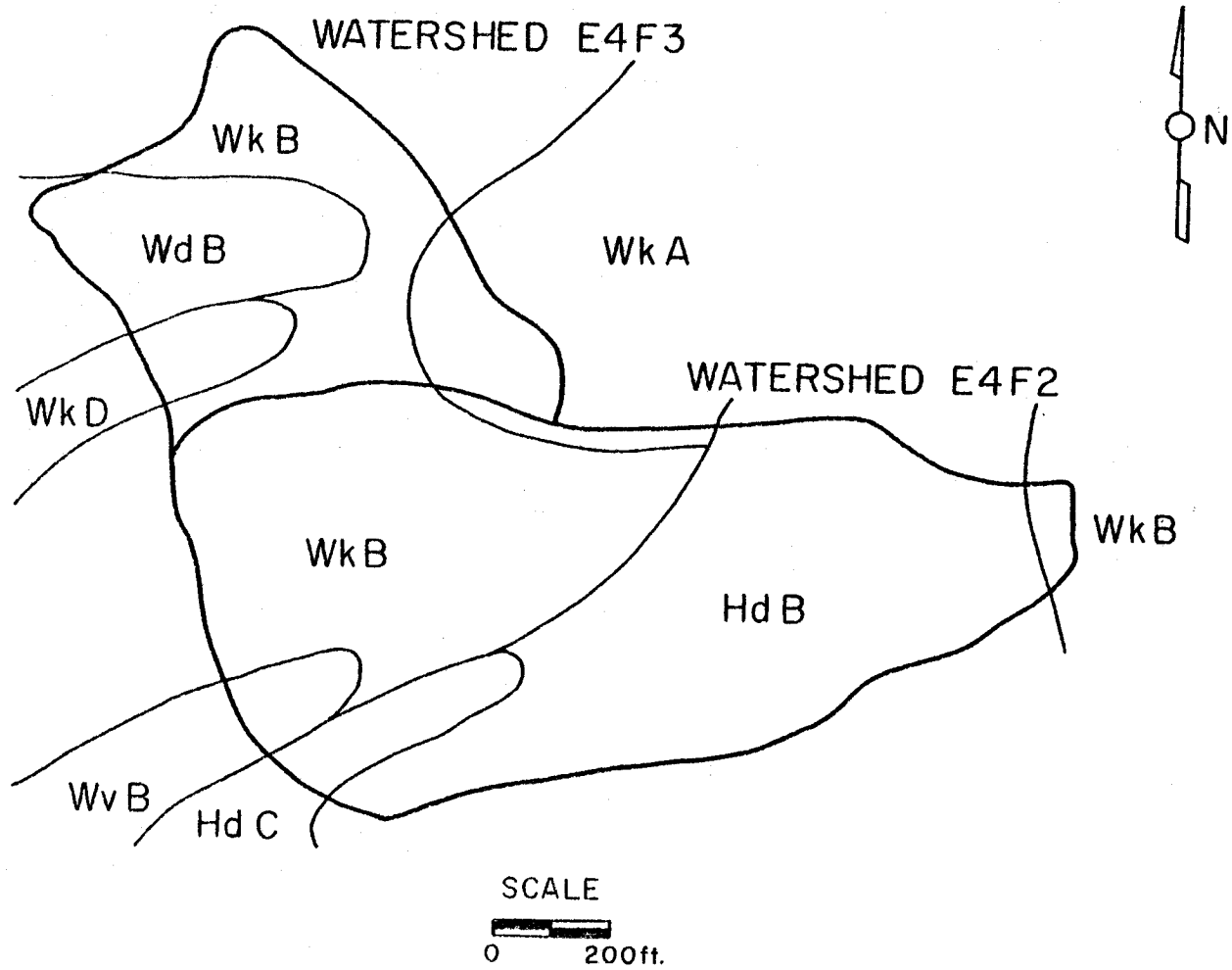
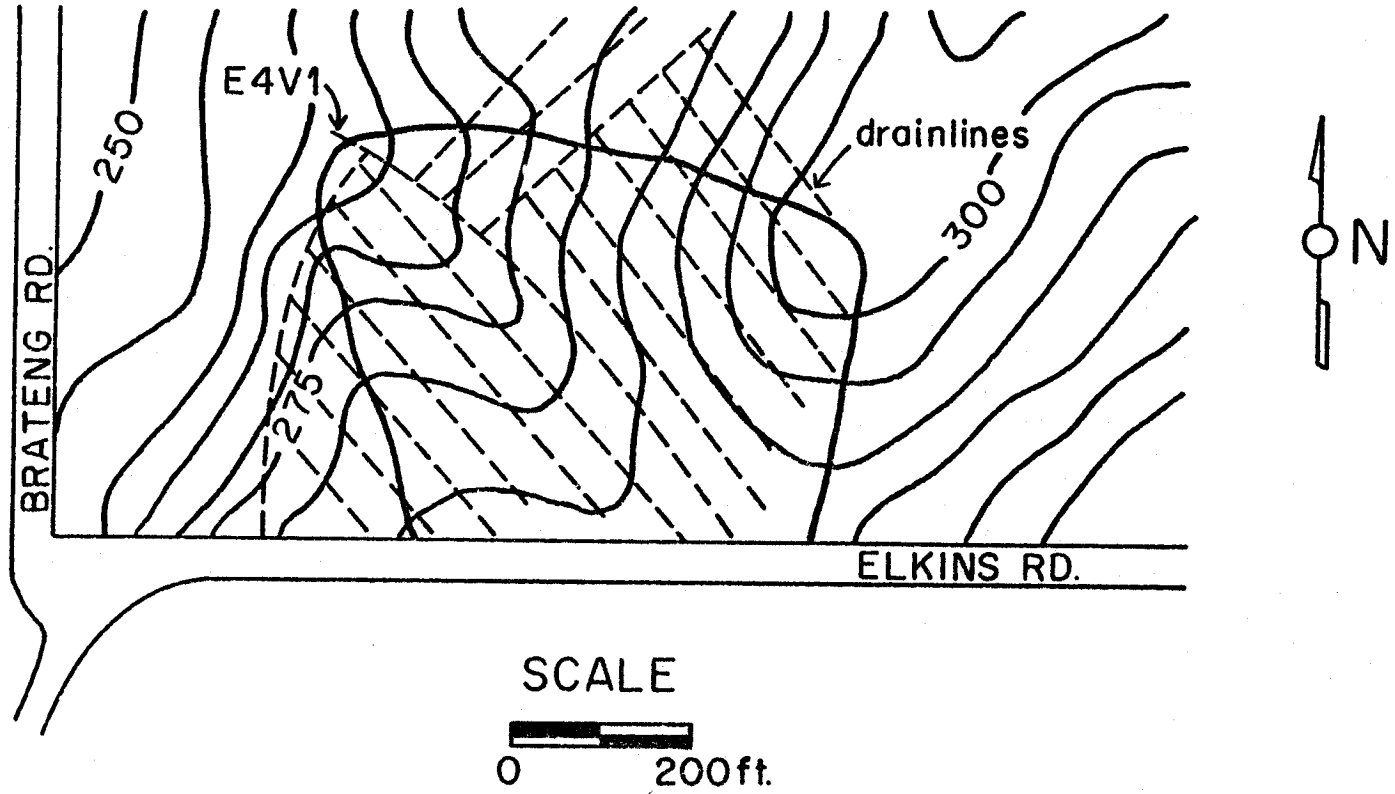


Figure 8. Soils map of watersheds E4F2 and E4F3. Map legend is presented in Table 1.



# WATERSHED E4F1



CONTOUR INTERVAL = 5 FEET

Figure 9. Map of subsurface drainage system on watershed E4F1.

### 3. HYDROLOGIC DATA

Several Elkins Road study types of hydrologic measurements were summarized in an earlier report (Harward et al., 1980). The two volumes of this report are concerned only with measurements of precipitation, watershed runoff, and suspended sediment and nitrate-nitrogen concentrations from November 22, 1977, to April 3, 1981. Precipitation was measured at the outlet of watershed E4F1 using tipping bucket raingauges with a resolution of 0.01 inches and a measurement interval of 15 minutes. Watershed runoff was measured at the outlet of watersheds E1F1, E4F1, E4F2, and E4F3 using H-flumes and bubble-line, water level sensors. The measurement interval was proportional to the flow rate and varied between 5 and 20 minutes. Runoff measurements at watershed E4F3 did not begin until October 1980. Watershed runoff was measured at the outlet of watershed E3C1 using an existing 60-inch concrete pipe culvert beneath Elkins Road and a bubble-line, water level sensor. The measurement interval was proportional to the flow rate and varied between 20 and 60 minutes. Flow from the drainage mainline, E4V1, was measured using a V-notch weir and a bubble-line, water level sensor. Measurements at E4V1 began in October 1979.

Water samples were taken at the outlet of each watershed on a flow-proportional basis using automatic samplers. Additional samples were taken manually during periods of high flow. Aliquots of these samples were used to determine the suspended sediment, nitrate-nitrogen, and phosphorus concentrations in the runoff. These procedures were described in greater detail by Simmons (1981) and Hickman (1983).

For this report, the precipitation and runoff data were combined in a single data file and the values of individual measurements were converted to consistent units. Also, the appropriate number of precipitation or watershed runoff measurements (depending on the time interval at which the data were collected) were combined to obtain an hourly time-series. For example, four 15-minute interval precipitation amounts were summed to create a single hourly value. A complete listing of this time-series is presented in Appendix A. The average value of suspended sediment concentration was assigned to the entire hour when more than one concentration was measured in an hour. Otherwise a single concentration measurement was assumed to apply to the entire hour in which it occurred. These concentrations are listed in Appendix B. Identical procedures were used to develop a set of hourly values of nitrate-nitrogen and phosphorus concentrations and these data are listed in Appendices C and D.

#### 4. RETRIEVING DATA FROM MAGNETIC TAPE STORAGE

All data in the Appendices tables are also stored on magnetic tape at the Department of Soil Science, Oregon State University. The specifications needed to read these tapes are given in Table 2. The organization of the data on the magnetic tapes is similar to that used in this report. The first four files contain the hourly precipitation and watershed runoff data for the four seasons of data collection. The next set of files contains the suspended sediment concentration data for each of the watersheds and the mainline outlet organized by year. The final sets of files contain the nitrate-nitrogen and phosphorus concentration data for each of the watersheds, also organized by year. The file organization is shown schematically in Figure 10. The data contained within the printed report can be used to determine which portions of the data to retrieve from the tapes and to check the results of any computer programs used to read or reorganize the data files.

Table 2. Specifications for hydrologic data stored on magnetic tapes

Item	Description
Type	9-track magnetic tape
Density	1600 bytes per inch
Label	Unlabelled
Block	Block† = Records
	Record† = Characters

†Block = no. of lines per file.

†Record = no. of characters per line.

DATA FILE 1 = BLOCK 1

DATA FILE 2 = BLOCK 2

DATA FILE 3 = BLOCK 3

DATA FILE 4 = BLOCK 4

DATA FILE 5 = BLOCK 5

DATA FILE 6 = BLOCK 6

DATA FILE 7 = BLOCK 7

START OF TAPE	
1977-78	HOURLY PRECIPITATION AND FLOW
1978-79	HOURLY PRECIPITATION AND FLOW
1979-80	HOURLY PRECIPITATION AND FLOW
1980-81	HOURLY PRECIPITATION AND FLOW
1977-81	SUSPENDED SEDIMENT CONC.
1977-81	NITRATE-NITROGEN CONC.
1977-81	PHOSPHOROUS CONC.
END OF TAPE	

Figure 10. Organization of data files on magnetic tapes.

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## APPENDIX A

### Hourly Precipitation and Watershed Runoff Data

This Appendix contains the entire record of precipitation and watershed runoff for the five watersheds and the mainline outlet used in the Elkins Road watershed study. The data are presented as an hourly time-series. Precipitation data are listed in units of inches and watershed runoff data and mainline flow are listed in units of cubic feet. Hours of the record for which data were missing are indicated by the symbol "-1". The tables change form slightly in the third and fourth year to include the addition of the mainline outlet, E4V1, and watershed E4F3. These data are also contained on a magnetic tape file (see Section 4).

HOURLY PRECIPITATION AND FLOW 1977/78

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
NOV 22	0	0.00	-1	-1	-1	29	NOV 24	0	0.00	-1	-1	-1	876	NOV 26	0	0.00	-1	180	-1	-1
	1	0.00	-1	-1	-1	29		1	0.00	-1	-1	-1	679		1	0.00	-1	176	-1	-1
	2	0.00	-1	-1	-1	29		2	0.00	-1	-1	-1	510		2	0.00	-1	170	-1	-1
	3	0.00	-1	-1	-1	29		3	0.00	-1	-1	-1	387		3	0.00	-1	164	-1	-1
	4	0.00	-1	-1	-1	29		4	0.00	-1	-1	-1	275		4	0.00	-1	158	-1	-1
	5	0.00	-1	-1	-1	29		5	0.00	-1	-1	-1	199		5	0.00	-1	150	-1	-1
	6	0.00	-1	-1	-1	29		6	0.00	-1	-1	-1	139		6	0.00	-1	142	-1	-1
	7	0.00	-1	-1	-1	29		7	0.00	-1	-1	-1	99		7	0.00	-1	130	-1	-1
	8	0.00	-1	-1	-1	29		8	0.03	-1	-1	-1	93		8	0.00	-1	116	-1	-1
	9	0.00	-1	-1	-1	29		9	0.10	-1	-1	-1	80		9	0.00	-1	102	-1	-1
	10	0.01	-1	-1	-1	69		10	0.05	-1	-1	-1	99		10	0.00	-1	95	-1	-1
	11	0.03	-1	-1	-1	80		11	0.11	-1	-1	-1	192		11	0.00	-1	86	-1	-1
	12	0.01	-1	-1	-1	80		12	0.12	-1	-1	-1	427		12	0.00	-1	72	-1	-1
	13	0.02	-1	-1	-1	80		13	0.12	-1	-1	-1	967		13	0.00	-1	68	-1	-1
	14	0.04	-1	-1	-1	80		14	0.19	-1	-1	-1	1820		14	0.00	-1	64	-1	-1
	15	0.04	-1	-1	-1	80		15	0.10	-1	-1	-1	2848		15	0.00	-1	58	-1	-1
	16	0.02	-1	-1	-1	80		16	0.19	-1	-1	-1	4565		16	0.00	-1	42	-1	-1
	17	0.04	-1	-1	-1	80		17	0.09	-1	-1	-1	9336		17	0.00	-1	41	-1	-1
	18	0.04	-1	-1	-1	80		18	0.04	-1	-1	-1	12905		18	0.00	-1	42	-1	-1
	19	0.06	-1	-1	-1	93		19	0.08	-1	95	-1	11978		19	0.00	-1	42	-1	-1
	20	0.06	-1	-1	-1	93		20	0.06	-1	91	-1	12008		20	0.00	-1	40	-1	-1
	21	0.05	-1	-1	-1	184		21	0.12	-1	119	-1	13087		21	0.00	-1	40	-1	-1
	22	0.03	-1	-1	-1	224		22	0.25	-1	150	-1	14009		22	0.00	-1	41	-1	-1
	23	0.02	-1	-1	-1	358		23	0.49	-1	516	-1	29645		23	0.00	-1	41	-1	-1
NOV 23	0	0.03	-1	-1	-1	367	NOV 25	0	0.03	-1	426	-1	108732	NOV 27	0	0.00	-1	40	-1	-1
	1	0.09	-1	-1	-1	329		1	0.06	-1	562	-1	116668		1	0.01	-1	41	-1	-1
	2	0.20	-1	-1	-1	302		2	0.16	-1	840	-1	55018		2	0.01	-1	58	-1	-1
	3	0.39	-1	-1	-1	240		3	0.04	-1	725	-1	41248		3	0.03	-1	125	-1	-1
	4	0.16	-1	-1	-1	232		4	0.04	-1	747	-1	35963		4	0.00	-1	143	-1	-1
	5	0.05	-1	-1	-1	320		5	0.01	-1	714	-1	25068		5	0.02	-1	150	-1	-1
	6	0.01	-1	-1	-1	377		6	0.01	-1	527	-1	9119		6	0.04	-1	200	-1	-1
	7	0.00	-1	-1	-1	427		7	0.01	-1	818	-1	19145		7	0.00	-1	178	-1	-1
	8	0.00	-1	-1	-1	427		8	0.00	-1	237	-1	14887		8	0.01	-1	140	-1	-1
	9	0.00	-1	-1	-1	427		9	0.06	-1	748	-1	36511		9	0.00	-1	126	-1	-1
	10	0.00	-1	-1	-1	437		10	0.27	-1	2287	-1	11219		10	0.00	-1	125	-1	-1
	11	0.00	-1	-1	-1	532		11	0.05	-1	840	-1	62791		11	0.03	-1	197	-1	-1
	12	0.02	-1	-1	-1	621		12	0.04	-1	420	-1	56858		12	0.01	-1	146	-1	-1
	13	0.08	-1	-1	-1	715		13	0.03	-1	645	-1	42527		13	0.00	-1	113	-1	-1
	14	0.06	-1	-1	-1	850		14	0.08	-1	737	-1	32857		14	0.00	-1	101	-1	-1
	15	0.05	-1	-1	-1	1060		15	0.04	-1	919	-1	30757		15	0.00	-1	73	-1	-1
	16	0.03	-1	-1	-1	1599		16	0.00	-1	459	-1	33348		16	0.00	-1	-1	-1	-1
	17	0.08	-1	-1	-1	2537		17	0.00	-1	326	-1	25745		17	0.00	-1	-1	-1	-1
	18	0.08	-1	-1	-1	3075		18	0.00	-1	264	-1	15975		18	0.00	-1	-1	-1	-1
	19	0.07	-1	-1	-1	1788		19	0.00	-1	226	-1	11597		19	0.00	-1	-1	-1	5994
	20	0.03	-1	-1	-1	1129		20	0.00	-1	207	-1	-1		20	0.00	-1	-1	-1	5806
	21	0.02	-1	-1	-1	1462		21	0.00	-1	210	-1	-1		21	0.00	-1	-1	-1	5573
	22	0.01	-1	-1	-1	1088		22	0.00	-1	202	-1	-1		22	0.00	-1	-1	-1	5367
	23	0.00	-1	-1	-1	1143		23	0.00	-1	195	-1	-1		23	0.00	-1	-1	-1	5253

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
NOV 28	0	0.00	-1	-1	-1	5050	NOV 30	0	0.00	-1	26	-1	3766	DEC 2	0	0.00	-1	46	-1	3484
	1	0.00	-1	-1	-1	4916		1	0.00	-1	26	-1	3444		1	0.00	-1	55	-1	3484
	2	0.00	-1	-1	-1	4762		2	0.00	-1	27	-1	3910		2	0.01	-1	73	-1	3484
	3	0.00	-1	-1	-1	4631		3	0.00	-1	27	-1	3910		3	0.04	-1	128	-1	3484
	4	0.00	-1	-1	-1	4436		4	0.00	-1	27	-1	3910		4	0.03	-1	128	-1	3484
	5	0.00	-1	-1	-1	4436		5	0.00	-1	27	-1	3910		5	0.03	-1	128	-1	3685
	6	0.00	-1	-1	-1	4350		6	0.00	-1	32	-1	3910		6	0.01	-1	128	-1	3951
	7	0.00	-1	-1	-1	4244		7	0.00	-1	51	-1	3910		7	0.05	-1	166	-1	4329
	8	0.00	-1	-1	-1	4181		8	0.00	-1	43	-1	3930		8	0.02	-1	221	-1	4393
	9	0.00	-1	-1	-1	4139		9	0.00	-1	40	-1	3910		9	0.13	-1	433	-1	5713
	10	0.00	-1	-1	-1	4055		10	0.01	-1	41	-1	3910		10	0.11	-1	478	-1	8876
	11	0.00	-1	12	-1	3951		11	0.00	-1	41	-1	3910		11	0.06	-1	319	-1	15109
	12	0.00	-1	12	-1	3930		12	0.00	-1	41	-1	3725		12	0.07	-1	134	-1	18905
	13	0.00	-1	14	-1	3910		13	0.00	-1	41	-1	3685		13	0.10	-1	230	-1	23769
	14	0.03	-1	14	-1	3910		14	0.00	-1	41	-1	3705		14	0.18	-1	327	-1	37870
	15	0.05	-1	14	-1	3910		15	0.00	-1	41	-1	3705		15	0.15	-1	309	-1	114835
	16	0.00	-1	14	-1	3544		16	0.00	-1	44	-1	3705		16	0.05	-1	239	-1	151271
	17	0.00	-1	14	-1	3075		17	0.00	-1	44	-1	3705		17	0.01	-1	225	-1	149211
	18	0.00	-1	14	-1	2999		18	0.00	-1	44	-1	3705		18	0.00	-1	225	-1	102502
	19	0.00	-1	12	-1	2886		19	0.00	-1	44	-1	3705		19	0.00	-1	180	-1	70051
	20	0.00	-1	12	-1	2905		20	0.00	-1	42	-1	3685		20	0.00	-1	185	-1	52060
	21	0.00	-1	10	-1	2905		21	0.00	-1	38	-1	3685		21	0.01	-1	176	-1	40547
	22	0.00	-1	10	-1	2886		22	0.00	-1	38	-1	3705		22	0.03	-1	168	-1	34213
	23	0.00	-1	8	-1	2886		23	0.00	-1	38	-1	3705		23	0.00	-1	154	-1	31721
NOV 29	0	0.08	-1	13	-1	2886	DEC 1	0	0.00	-1	38	-1	3705	DEC 3	0	0.00	-1	134	-1	26923
	1	0.06	-1	51	-1	3248		1	0.00	-1	38	-1	3705		1	0.00	-1	127	-1	23293
	2	0.02	-1	117	-1	5481		2	0.00	-1	38	-1	3705		2	0.00	-1	99	-1	20323
	3	0.01	-1	97	-1	6377		3	0.00	-1	38	-1	3705		3	0.00	-1	60	-1	17923
	4	0.00	-1	67	-1	5713		4	0.00	-1	38	-1	3685		4	0.00	-1	42	-1	16170
	5	0.00	-1	51	-1	5073		5	0.00	-1	38	-1	3685		5	0.00	-1	52	-1	14855
	6	0.00	-1	40	-1	4501		6	0.00	-1	38	-1	3705		6	0.00	-1	28	-1	13792
	7	0.00	-1	34	-1	4202		7	0.00	-1	38	-1	3705		7	0.00	-1	0	-1	13699
	8	0.00	-1	30	-1	4013		8	0.00	-1	38	-1	3705		8	0.00	-1	0	-1	12275
	9	0.00	-1	25	-1	3786		9	0.00	-1	38	-1	3705		9	0.00	-1	0	-1	11451
	10	0.00	-1	35	-1	3703		10	0.00	-1	38	-1	3685		10	0.00	-1	0	-1	10788
	11	0.00	-1	52	-1	4421		11	0.00	-1	38	-1	3685		11	0.00	-1	0	-1	10137
	12	0.00	-1	48	-1	4522		12	0.00	-1	38	-1	3644		12	0.00	-1	0	-1	9473
	13	0.00	-1	46	-1	4501		13	0.00	-1	38	-1	3484		13	0.00	-1	0	-1	9011
	14	0.00	-1	45	-1	4223		14	0.00	-1	38	-1	3484		14	0.00	-1	0	-1	8609
	15	0.00	-1	42	-1	4118		15	0.00	-1	38	-1	3484		15	0.00	-1	0	-1	7876
	16	0.00	-1	40	-1	4097		16	0.00	-1	40	-1	3484		16	0.00	-1	0	-1	8109
	17	0.00	-1	39	-1	3910		17	0.00	-1	42	-1	3484		17	0.00	-1	0	301	7876
	18	0.00	-1	39	-1	3910		18	0.00	-1	40	-1	3504		18	0.00	-1	0	303	7441
	19	0.00	-1	39	-1	3910		19	0.00	-1	39	-1	3504		19	0.00	-1	0	303	7064
	20	0.00	-1	46	-1	3807		20	0.00	-1	39	-1	3504		20	0.00	-1	0	301	6791
	21	0.00	-1	62	-1	3685		21	0.00	-1	39	-1	3504		21	0.00	-1	0	300	6644
	22	0.00	-1	42	-1	3705		22	0.00	-1	39	-1	3504		22	0.00	-1	0	279	6473
	23	0.00	-1	26	-1	3705		23	0.00	-1	39	-1	3504		23	0.00	-1	33	266	6353

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1			
DEC	4	0	0.00	-1	68	267	6185	DEC	6	0	0.00	-1	23	168	6619	DEC	8	0	0.00	-1	39	229	5028
		1	0.00	-1	68	267	5994			1	0.02	-1	54	183	6644			1	0.00	-1	33	230	5028
		2	0.00	-1	68	266	5830			2	0.12	-1	171	243	6595			2	0.00	-1	33	230	5028
		3	0.00	-1	66	266	5713			3	0.06	-1	213	729	6571			3	0.00	-1	33	230	5028
		4	0.00	-1	66	266	5620			4	0.02	-1	237	894	8556			4	0.00	-1	33	234	5028
		5	0.00	-1	72	266	5504			5	0.00	-1	154	915	8957			5	0.00	-1	30	228	5028
		6	0.00	-1	65	267	5458			6	0.00	-1	102	529	10109			6	0.00	-1	27	230	5028
		7	0.00	-1	62	267	5253			7	0.00	-1	91	369	11334			7	0.00	-1	27	221	5005
		8	0.00	-1	60	267	5095			8	0.00	-1	73	325	12514			8	0.00	-1	26	212	5005
		9	0.01	-1	70	286	5028			9	0.00	-1	66	271	11363			9	0.00	-1	15	208	5028
		10	0.00	-1	76	291	5028			10	0.05	-1	161	233	10109			10	0.00	-1	0	189	5028
		11	0.00	-1	70	304	5005			11	0.01	-1	142	575	10025			11	0.00	-1	0	189	5028
		12	0.00	-1	63	267	5028			12	0.02	-1	142	448	13699			12	0.00	-1	0	189	5028
		13	0.00	-1	58	266	4983			13	0.01	-1	141	414	13453			13	0.00	-1	0	189	5005
		14	0.01	-1	56	266	4784			14	0.00	-1	112	408	13331			14	0.00	-1	0	192	4939
		15	0.00	-1	84	258	4784			15	0.00	-1	81	331	12186			15	0.00	-1	0	195	5163
		16	0.00	-1	61	295	4784			16	0.00	-1	70	279	9665			16	0.00	-1	0	209	4479
		17	0.00	-1	51	195	4784			17	0.00	-1	69	259	9582			17	0.00	-1	0	199	2980
		18	0.00	-1	48	190	4806			18	0.01	-1	64	236	8876			18	0.00	-1	0	192	2886
		19	0.00	-1	46	189	4806			19	0.00	-1	54	238	8662			19	0.00	-1	0	192	2886
		20	0.00	-1	45	189	4806			20	0.00	-1	48	192	8292			20	0.00	-1	0	192	2867
		21	0.00	-1	45	192	4806			21	0.00	-1	66	189	8005			21	0.00	-1	0	190	2774
		22	0.00	-1	43	192	4806			22	0.02	-1	58	189	8031			22	0.00	-1	0	189	2774
		23	0.00	-1	42	192	4806			23	0.00	-1	54	189	7953			23	0.00	-1	0	189	2701
DEC	5	0	0.00	-1	42	192	4784	DEC	7	0	0.00	-1	45	189	7902	DEC	9	0	0.00	-1	0	189	2701
		1	0.00	-1	42	189	4828			1	0.00	-1	48	189	7876			1	0.00	-1	0	189	2701
		2	0.00	-1	40	189	4872			2	0.00	-1	43	190	7850			2	0.00	-1	0	189	2701
		3	0.00	-1	39	189	5028			3	0.00	-1	40	192	7721			3	0.00	-1	0	189	2628
		4	0.00	-1	39	189	5028			4	0.00	-1	42	192	7773			4	0.00	-1	0	189	2519
		5	0.00	-1	39	189	5028			5	0.01	-1	46	192	7568			5	0.00	-1	0	189	2519
		6	0.00	-1	39	189	5073			6	0.00	-1	54	192	7568			6	0.00	-1	0	189	2519
		7	0.00	-1	39	189	5900			7	0.02	-1	54	210	7289			7	0.00	-1	0	189	2519
		8	0.00	-1	39	189	6644			8	0.00	-1	55	231	7415			8	0.00	-1	0	189	2502
		9	0.00	-1	36	189	6717			9	0.01	-1	46	228	7747			9	0.00	-1	0	189	2377
		10	0.00	-1	33	189	6742			10	0.00	-1	40	192	7747			10	0.01	-1	0	189	2325
		11	0.00	-1	20	189	6742			11	0.01	-1	48	190	7542			11	0.00	-1	0	192	2325
		12	0.00	-1	20	192	6742			12	0.01	-1	49	196	7264			12	0.00	-1	0	163	2325
		13	0.00	-1	20	156	6742			13	0.00	-1	51	223	6256			13	0.00	-1	0	151	2325
		14	0.00	-1	20	152	6742			14	0.02	-1	54	288	5971			14	0.00	-1	0	152	2325
		15	0.00	-1	20	152	6546			15	0.00	-1	51	324	5900			15	0.00	-1	0	152	2325
		16	0.00	-1	20	152	6498			16	0.00	-1	48	274	6089			16	0.00	-1	0	152	2325
		17	0.00	-1	20	152	6498			17	0.00	-1	45	258	5666			17	0.00	-1	0	152	2342
		18	0.00	-1	20	152	6522			18	0.00	-1	43	228	5390			18	0.00	-1	0	152	2342
		19	0.00	-1	20	152	6595			19	0.00	-1	42	228	5253			19	0.00	-1	0	153	2342
		20	0.00	-1	18	152	6619			20	0.00	-1	39	228	5140			20	0.00	-1	0	156	2342
		21	0.00	-1	14	152	6693			21	0.00	-1	39	228	5028			21	0.00	-1	0	160	2342
		22	0.00	-1	13	153	6619			22	0.00	-1	39	228	5028			22	0.02	-1	4	249	2360
		23	0.00	-1	22	153	6619			23	0.00	-1	39	228	5005			23	0.02	-1	38	320	2942

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
DEC 10	0	0.02	-1	38	402	3848	DEC 12	0	0.01	-1	114	464	22421	DEC 14	0	0.00	-1	152	648	27499
	1	0.01	-1	38	302	4034		1	0.00	-1	79	404	20780		1	0.00	-1	147	648	25143
	2	0.00	-1	38	259	3868		2	0.00	-1	75	381	18871		2	0.00	-1	126	648	23256
	3	0.00	-1	38	228	3584		3	0.00	-1	75	382	17089		3	0.00	-1	115	628	21881
	4	0.00	-1	38	202	3287		4	0.01	-1	93	409	15364		4	0.10	-1	608	2418	22025
	5	0.00	-1	38	261	3326		5	0.00	-1	92	438	14634		5	0.03	-1	337	1302	35628
	6	0.00	-1	38	238	3644		6	0.00	-1	76	374	14226		6	0.09	-1	564	1919	47170
	7	0.00	-1	39	211	3464		7	0.00	-1	75	342	12935		7	0.07	-1	336	1513	54778
	8	0.00	-1	40	189	3248		8	0.00	-1	75	342	12245		8	0.00	-1	213	891	58569
	9	0.00	-1	16	190	3094		9	0.00	-1	75	343	11538		9	0.06	-1	1227	3235	50647
	10	0.00	-1	5	190	2999		10	0.00	-1	74	345	10959		10	0.09	-1	863	3494	79071
	11	0.00	-1	0	152	2905		11	0.00	-1	39	324	10334		11	0.00	-1	256	1193	117711
	12	0.00	-1	0	152	2886		12	0.01	-1	60	305	9942		12	0.00	-1	201	901	82830
	13	0.00	-1	0	152	2701		13	0.03	-1	81	412	9803		13	0.05	-1	333	1228	60892
	14	0.00	-1	0	152	2701		14	0.01	-1	114	499	10759		14	0.00	-1	202	925	54058
	15	0.00	-1	0	152	2701		15	0.00	-1	75	421	11655		15	0.00	-1	167	806	48505
	16	0.00	-1	0	152	2682		16	0.04	-1	108	549	10788		16	0.00	-1	151	721	40547
	17	0.00	-1	0	153	2519		17	0.06	-1	174	870	11919		17	0.00	-1	120	670	34296
	18	0.06	-1	42	162	2502		18	0.07	-1	300	1419	14289		18	0.00	-1	114	648	29882
	19	0.00	-1	51	376	3056		19	0.12	-1	674	2670	27924		19	0.00	-1	114	648	26770
	20	0.03	-1	38	300	4223		20	0.08	-1	640	2094	46667		20	0.00	-1	114	633	24583
	21	0.00	-1	38	295	4160		21	0.10	-1	811	2475	70676		21	0.00	-1	114	634	22892
	22	0.00	-1	38	252	4139		22	0.06	-1	648	2030	88265		22	0.01	-1	676	3619	21738
	23	0.01	-1	45	199	3910		23	0.03	-1	388	1285	89388		23	0.30	-1	2880	9579	36764
DEC 11	0	0.05	-1	76	279	3807	DEC 13	0	0.02	-1	303	1039	78639	DEC 15	0	0.50	-1	4967	11667	101212
	1	0.08	-1	250	670	5390		1	0.08	-1	559	2089	66185		1	0.03	-1	472	2028	-1
	2	0.11	-1	282	1393	13607		2	0.14	-1	1302	4260	81680		2	0.02	-1	266	1390	-1
	3	0.09	-1	300	1233	23329		3	0.13	-1	1282	4084	154343		3	0.08	-1	790	3016	-1
	4	0.04	-1	411	1232	28742		4	0.12	-1	1231	4032	197991		4	0.11	-1	1066	4391	-1
	5	0.08	-1	1684	5303	39807		5	0.30	-1	1923	9483	246375		5	0.03	-1	579	2398	-1
	6	0.27	-1	1734	5466	109571		6	0.02	-1	588	2324	288720		6	0.04	-1	324	1330	-1
	7	0.21	-1	363	1394	181596		7	0.01	-1	804	1712	229213		7	0.07	-1	571	1989	-1
	8	0.01	-1	614	1186	137951		8	0.06	-1	2144	3524	127608		8	0.03	-1	403	1323	-1
	9	0.02	-1	822	2729	96852		9	0.17	-1	1623	4910	144726		9	0.01	-1	192	828	-1
	10	0.13	-1	263	825	111619		10	0.03	-1	665	2222	202507		10	0.09	-1	655	2089	-1
	11	0.01	-1	193	619	82721		11	0.03	-1	594	1690	147623		11	0.06	-1	688	1674	-1
	12	0.00	-1	154	533	57442		12	0.04	-1	563	1420	116178		12	0.07	-1	701	1395	-1
	13	0.00	-1	127	454	40941		13	0.07	-1	679	2065	103090		13	0.09	-1	1032	2505	-1
	14	0.00	-1	116	419	33143		14	0.05	-1	616	2009	111196		14	0.05	-1	581	1906	-1
	15	0.00	-1	103	391	27230		15	0.00	-1	559	1773	116362		15	0.05	-1	424	1502	-1
	16	0.00	-1	85	356	22493		16	0.00	-1	242	1009	106702		16	0.01	-1	167	1245	-1
	17	0.04	-1	529	700	19975		17	0.01	-1	254	934	79938		17	0.00	-1	87	945	-1
	18	0.15	-1	837	2979	29566		18	0.01	-1	260	972	62791		18	0.00	-1	63	943	-1
	19	0.00	-1	168	609	55887		19	0.00	-1	201	837	53389		19	0.04	-1	90	1131	-1
	20	0.00	-1	117	467	48690		20	0.00	-1	185	756	45711		20	0.00	-1	96	1026	-1
	21	0.01	-1	115	458	33800		21	0.00	-1	154	722	38426		21	0.00	-1	39	813	-1
	22	0.01	-1	118	434	27384		22	0.00	-1	152	687	33883		22	0.00	-1	36	765	-1
	23	0.01	-1	132	507	22928		23	0.00	-1	152	670	30319		23	0.05	-1	120	1294	-1

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HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
DEC 16	0	0.00	-1	83	970	-1	DEC 18	0	0.00	-1	75	531	11743	DEC 20	0	0.00	-1	0	240	-1
	1	0.00	-1	39	798	-1		1	0.00	-1	75	543	11451		1	0.00	-1	0	230	-1
	2	0.00	-1	39	746	-1		2	0.00	-1	54	538	11132		2	0.00	-1	0	230	-1
	3	0.00	-1	37	704	-1		3	0.01	-1	59	539	10873		3	0.00	-1	0	229	-1
	4	0.00	-1	36	723	-1		4	0.00	-1	75	546	10959		4	0.00	-1	0	228	-1
	5	0.03	-1	50	909	-1		5	0.01	-1	75	560	11017		5	0.00	-1	0	228	-1
	6	0.04	-1	118	1346	-1		6	0.02	-1	108	610	11017		6	0.00	-1	0	228	-1
	7	0.04	-1	111	1329	-1		7	0.00	-1	75	513	10959		7	0.00	-1	0	223	-1
	8	0.05	-1	204	1852	-1		8	0.00	-1	75	495	11655		8	0.00	-1	0	223	-1
	9	0.01	-1	73	1043	-1		9	0.01	-1	75	496	10362		9	0.00	-1	0	229	-1
	10	0.00	-1	36	833	-1		10	0.01	-1	75	544	10137		10	0.00	-1	0	222	-1
	11	0.00	-1	39	953	-1		11	0.00	-1	69	538	10306		11	0.00	-1	0	238	-1
	12	0.00	-1	39	724	-1		12	0.00	-1	37	458	9858		12	0.00	-1	0	235	-1
	13	0.00	-1	10	478	-1		13	0.00	-1	36	456	9418		13	0.00	-1	0	223	-1
	14	0.00	-1	12	462	-1		14	0.00	-1	37	457	9092		14	0.00	-1	0	224	-1
	15	0.00	-1	10	460	-1		15	0.00	-1	39	428	8823		15	0.00	-1	0	231	-1
	16	0.01	-1	142	765	-1		16	0.00	-1	39	386	8716		16	0.00	-1	0	234	-1
	17	0.04	-1	189	714	22313		17	0.00	-1	39	381	8583		17	0.00	-1	0	227	-1
	18	0.04	-1	124	960	25782		18	0.00	-1	38	381	8609		18	0.00	-1	0	226	-1
	19	0.01	-1	243	717	29094		19	0.00	-1	36	381	8662		19	0.00	-1	0	231	-1
	20	0.06	-1	312	774	28585		20	0.00	-1	36	381	8662		20	0.00	-1	0	230	-1
	21	0.06	-1	152	1222	33021		21	0.00	-1	36	381	8689		21	0.00	-1	0	230	-1
	22	0.01	-1	123	1346	43193		22	0.00	-1	36	381	8769		22	0.00	-1	0	229	-1
	23	0.01	-1	27	765	44852		23	0.00	-1	39	377	8769		23	0.00	-1	0	228	-1
DEC 17	0	0.01	-1	39	773	38598	DEC 19	0	0.00	-1	39	358	8876	DEC 21	0	0.00	-1	0	228	-1
	1	0.00	-1	172	668	33430		1	0.00	-1	36	342	8930		1	0.00	-1	0	228	-1
	2	0.00	-1	162	661	31721		2	0.30	-1	36	342	8957		2	0.00	-1	0	228	-1
	3	0.02	-1	152	657	30598		3	0.00	-1	39	342	8984		3	0.00	-1	0	226	-1
	4	0.01	-1	165	646	29962		4	0.00	-1	39	342	8984		4	0.00	-1	0	216	-1
	5	0.00	-1	114	545	28859		5	0.00	-1	39	342	8957		5	0.00	-1	0	226	-1
	6	0.00	-1	114	511	27038		6	0.00	-1	39	344	8930		6	0.00	-1	0	210	-1
	7	0.00	-1	115	464	25481		7	0.00	-1	36	345	8930		7	0.00	-1	0	200	-1
	8	0.00	-1	75	454	23733		8	0.00	-1	36	345	8930		8	0.00	-1	0	203	-1
	9	0.00	-1	73	420	21774		9	0.00	-1	38	366	8930		9	0.00	-1	0	189	-1
	10	0.00	-1	78	420	20254		10	0.01	-1	39	293	8903		10	0.00	-1	0	189	-1
	11	0.00	-1	78	419	18871		11	0.00	-1	37	287	9065		11	0.00	-1	0	189	-1
	12	0.00	-1	78	407	17822		12	0.00	-1	36	343	9309		12	0.00	-1	0	189	-1
	13	0.00	-1	51	429	17023		13	0.00	-1	37	342	9309		13	0.00	-1	0	189	-1
	14	0.00	-1	79	365	16203		14	0.00	-1	38	343	9336		14	0.00	-1	0	189	-1
	15	0.00	-1	75	334	15460		15	0.00	-1	-1	343	9227		15	0.00	-1	0	189	-1
	16	0.00	-1	75	334	14571		16	0.00	-1	-1	340	-1		16	0.00	-1	0	189	-1
	17	0.00	-1	75	332	13854		17	0.00	-1	-1	313	-1		17	0.00	-1	0	189	-1
	18	0.00	-1	75	301	13057		18	0.00	-1	-1	303	-1		18	0.00	-1	0	189	-1
	19	0.01	-1	75	295	12335		19	0.00	-1	0	303	-1		19	0.00	-1	0	189	-1
	20	0.00	-1	75	295	12275		20	0.00	-1	0	306	-1		20	0.00	-1	0	190	-1
	21	0.00	-1	75	229	12038		21	0.00	-1	0	303	-1		21	0.00	-1	0	192	-1
	22	0.02	-1	75	534	11567		22	0.00	-1	0	267	-1		22	0.00	-1	0	192	-1
	23	0.00	-1	75	556	11772		23	0.00	-1	0	266	-1		23	0.00	-1	0	192	-1

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
DEC 22	0	0.00	-1	0	187	-1	DEC 24	0	0.01	-1	0	153	1837	DEC 26	0	0.00	-1	0	114	1646
	1	0.00	-1	0	184	-1		1	0.00	-1	0	153	1820		1	0.00	-1	0	114	1646
	2	0.00	-1	0	168	-1		2	0.01	-1	0	153	1804		2	0.00	-1	0	114	1646
	3	0.00	-1	0	152	-1		3	0.00	-1	0	153	1804		3	0.00	-1	0	114	1646
	4	0.00	-1	0	152	-1		4	0.00	-1	0	153	1935		4	0.00	-1	0	114	1646
	5	0.02	-1	0	156	-1		5	0.00	-1	0	153	1935		5	0.00	-1	0	114	1646
	6	0.03	-1	0	231	-1		6	0.00	-1	0	153	1984		6	0.00	-1	0	114	1630
	7	0.03	-1	0	337	-1		7	0.00	-1	0	153	1820		7	0.00	-1	0	114	1553
	8	0.02	-1	0	349	-1		8	0.00	-1	0	153	1724		8	0.00	-1	0	114	1492
	9	0.00	-1	0	333	-1		9	0.00	-1	0	153	1646		9	0.00	-1	0	114	1492
	10	0.00	-1	0	277	-1		10	0.00	-1	0	159	1646		10	0.00	-1	0	114	1492
	11	0.00	-1	0	229	-1		11	0.00	-1	0	150	1646		11	0.00	-1	0	114	1492
	12	0.00	-1	0	201	-1		12	0.00	-1	0	147	1646		12	0.00	-1	0	114	1477
	13	0.00	-1	0	189	-1		13	0.00	-1	0	141	1646		13	0.00	-1	0	114	1477
	14	0.00	-1	0	190	-1		14	0.01	-1	0	178	1646		14	0.00	-1	0	114	1372
	15	0.00	-1	0	192	-1		15	0.02	-1	0	269	1646		15	0.00	-1	0	114	1328
	16	0.00	-1	0	192	-1		16	0.03	-1	0	273	1869		16	0.00	-1	0	114	1328
	17	0.00	-1	0	192	1837		17	0.01	-1	0	242	2342		17	0.00	-1	0	114	1328
	18	0.00	-1	0	192	1804		18	0.01	-1	0	220	2502		18	0.00	-1	0	114	1328
	19	0.00	-1	0	192	1804		19	0.01	-1	0	196	2448		19	0.00	-1	0	114	1328
	20	0.00	-1	0	192	1804		20	0.00	-1	0	189	2342		20	0.00	-1	0	114	1328
	21	0.00	-1	0	190	1804		21	0.00	-1	0	189	2325		21	0.00	-1	0	114	1343
	22	0.00	-1	0	189	1804		22	0.00	-1	0	188	2186		22	0.00	-1	0	95	1343
	23	0.00	-1	0	189	1820		23	0.01	-1	0	188	2152		23	0.00	-1	0	75	1314
DEC 23	0	0.00	-1	0	189	1756	DEC 25	0	0.00	-1	0	163	2152	DEC 27	0	0.00	-1	0	75	1185
	1	0.04	-1	0	185	1772		1	0.00	-1	0	160	2255		1	0.00	-1	0	78	1088
	2	0.01	-1	0	177	2610		2	0.00	-1	0	166	2307		2	0.00	-1	0	75	1047
	3	0.00	-1	0	162	3018		3	0.01	-1	0	153	2169		3	0.00	-1	0	75	1047
	4	0.00	-1	0	153	2502		4	0.00	-1	0	153	2238		4	0.00	-1	0	64	1047
	5	0.00	-1	0	153	2238		5	0.00	-1	0	153	2152		5	0.00	-1	0	60	1047
	6	0.00	-1	0	153	2118		6	0.00	-1	0	153	2152		6	0.00	-1	0	55	1047
	7	0.00	-1	0	153	1984		7	0.00	-1	0	153	2135		7	0.00	-1	0	44	1033
	8	0.00	-1	0	160	1935		8	0.00	-1	0	153	1984		8	0.00	-1	0	39	954
	9	0.00	-1	0	165	1820		9	0.00	-1	0	153	1984		9	0.00	-1	0	39	902
	10	0.00	-1	0	166	1820		10	0.00	-1	0	153	1968		10	0.00	-1	0	39	902
	11	0.01	-1	0	143	1788		11	0.00	-1	0	153	1984		11	0.00	-1	0	38	914
	12	0.00	-1	0	141	1804		12	0.00	-1	0	153	1869		12	0.00	-1	0	36	967
	13	0.00	-1	0	155	1740		13	0.00	-1	0	150	1820		13	0.00	-1	0	36	974
	14	0.00	-1	0	153	1646		14	0.00	-1	0	143	1820		14	0.00	-1	0	36	956
	15	0.03	-1	0	241	1677		15	0.00	-1	0	139	1820		15	0.00	-1	0	28	902
	16	0.03	-1	0	259	2152		16	0.00	-1	0	124	1804		16	0.00	-1	0	52	928
	17	0.00	-1	0	210	2125		17	0.00	-1	0	118	1804		17	0.00	-1	0	50	985
	18	0.00	-1	0	192	2173		18	0.00	-1	0	117	1804		18	0.00	-1	0	53	985
	19	0.01	-1	0	191	2118		19	0.00	-1	0	117	1788		19	0.00	-1	0	53	957
	20	0.00	-1	0	189	1984		20	0.00	-1	0	117	1709		20	0.00	-1	0	53	947
	21	0.00	-1	0	189	1984		21	0.00	-1	0	115	1661		21	0.00	-1	0	53	947
	22	0.00	-1	0	169	1984		22	0.00	-1	0	114	1646		22	0.00	-1	0	53	933
	23	0.00	-1	0	159	1968		23	0.00	-1	0	114	1646		23	0.00	-1	0	53	988

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	EF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	EF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	EF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
DEC 28	0	0.00	-1	0	46	971	DEC 30	0	0.00	-1	0	172	4181	JAN 1	0	0.00	-1	0	30	1020
	1	0.00	-1	0	45	960		1	0.00	-1	0	153	3644		1	0.00	-1	0	27	927
	2	0.00	-1	0	48	947		2	0.00	-1	0	153	3326		2	0.00	-1	0	22	902
	3	0.00	-1	0	46	947		3	0.00	-1	0	153	3190		3	0.00	-1	0	22	902
	4	0.00	-1	0	44	947		4	0.00	-1	0	153	2923		4	0.00	-1	0	24	914
	5	0.00	-1	0	44	947		5	0.00	-1	0	153	2793		5	0.00	-1	0	27	863
	6	0.00	-1	0	44	947		6	0.00	-1	0	151	2682		6	0.00	-1	0	25	776
	7	0.00	-1	0	44	947		7	0.00	-1	0	147	2519		7	0.00	-1	0	28	776
	8	0.00	-1	0	44	933		8	0.00	-1	0	118	2377		8	0.00	-1	0	38	776
	9	0.00	-1	0	44	933		9	0.00	-1	0	114	2325		9	0.00	-1	0	60	776
	10	0.00	-1	0	44	933		10	0.00	-1	0	114	2152		10	0.00	-1	0	114	776
	11	0.00	-1	0	44	907		11	0.00	-1	0	114	2152		11	0.00	-1	0	306	776
	12	0.00	-1	0	44	940		12	0.00	-1	0	115	2135		12	0.00	-1	0	491	776
	13	0.02	-1	0	114	967		13	0.00	-1	0	115	1984		13	0.00	-1	0	230	788
	14	0.03	-1	0	114	1101		14	0.00	-1	0	171	1984		14	0.00	-1	0	199	902
	15	0.00	-1	0	119	1432		15	0.00	-1	0	171	1984		15	0.00	-1	0	378	1060
	16	0.00	-1	0	153	1599		16	0.00	-1	0	171	1984		16	0.00	-1	0	1161	1199
	17	0.00	-1	0	153	1387		17	0.00	-1	0	171	1968		17	0.00	-1	0	557	1171
	18	0.00	-1	0	187	1314		18	0.00	-1	0	171	1951		18	0.00	-1	0	218	993
	19	0.00	-1	0	139	1314		19	0.00	-1	0	171	1804		19	0.00	-1	0	77	954
	20	0.01	-1	0	145	1185		20	0.00	-1	0	171	1820		20	0.00	-1	0	57	838
	21	0.01	-1	0	151	1185		21	0.00	-1	0	171	1788		21	0.00	-1	0	57	788
	22	0.03	-1	0	153	1185		22	0.00	-1	0	171	1661		22	0.00	-1	0	61	776
	23	0.02	-1	0	153	1507		23	0.00	-1	0	171	1646		23	0.00	-1	0	62	776
DEC 29	0	0.03	-1	0	153	1677	DEC 31	0	0.00	-1	0	171	1646	JAN 2	0	0.00	-1	0	55	776
	1	0.02	-1	0	153	1837		1	0.00	-1	0	171	1568		1	0.00	-1	0	54	776
	2	0.03	-1	0	153	1984		2	0.00	-1	0	171	1314		2	0.00	-1	0	54	776
	3	0.01	-1	0	153	2290		3	0.00	-1	0	173	1157		3	0.00	-1	0	50	739
	4	0.00	-1	0	162	2484		4	0.00	-1	0	174	1047		4	0.00	-1	0	46	656
	5	0.00	-1	0	186	2118		5	0.00	-1	0	174	914		5	0.00	-1	0	40	656
	6	0.00	-1	0	189	1869		6	0.00	-1	0	172	1007		6	0.00	-1	0	31	656
	7	0.00	-1	0	191	1772		7	0.00	-1	0	171	1256		7	0.00	-1	0	31	656
	8	0.00	-1	0	192	1646		8	0.00	-1	0	171	1328		8	0.00	-1	0	31	656
	9	0.01	-1	0	190	1646		9	0.00	-1	0	173	1328		9	0.00	-1	0	31	656
	10	0.02	-1	0	205	1661		10	0.00	-1	0	95	1328		10	0.00	-1	0	24	644
	11	0.01	-1	0	125	1709		11	0.00	-1	0	57	1328		11	0.00	-1	0	18	644
	12	0.01	-1	0	157	2034		12	0.00	-1	0	57	1328		12	0.00	-1	0	11	715
	13	0.04	-1	0	189	2135		13	0.00	-1	0	57	1328		13	0.00	-1	0	13	776
	14	0.00	-1	0	182	2448		14	0.00	-1	0	57	1328		14	0.00	-1	0	17	776
	15	0.00	-1	0	160	2591		15	0.00	-1	0	57	1060		15	0.00	-1	0	12	825
	16	0.00	-1	0	153	2360		16	0.00	-1	0	57	1314		16	0.00	-1	0	14	914
	17	0.00	-1	0	153	2152		17	0.00	-1	0	57	1227		17	0.00	-1	0	16	933
	18	0.01	-1	0	102	2204		18	0.00	-1	0	57	1185		18	0.00	-1	0	11	933
	19	0.01	-1	0	189	2325		19	0.00	-1	0	39	1185		19	0.00	-1	0	12	947
	20	0.06	-1	0	192	2830		20	0.00	-1	0	39	1185		20	0.00	-1	0	13	947
	21	0.03	-1	0	343	6208		21	0.00	-1	0	39	1185		21	0.00	-1	0	13	947
	22	0.00	-1	0	289	5050		22	0.00	-1	0	30	1060		22	0.00	-1	0	13	947
	23	0.00	-1	0	277	4828		23	0.00	-1	0	37	1047		23	0.01	-1	0	13	974



HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----
JAN 3	0	0.02	-1	0	13	999	JAN 5	0	0.00	-1	36	306	5073	JAN 7	0	0.00	-1	36	337	4872
	1	0.00	-1	0	13	1192		1	0.00	-1	36	306	4939		1	0.00	-1	36	334	4762
	2	0.00	-1	0	13	1246		2	0.00	-1	36	306	5118		2	0.00	-1	36	306	4784
	3	0.00	-1	0	13	1340		3	0.00	-1	36	302	5185		3	0.00	-1	36	306	4850
	4	0.00	-1	0	13	1477		4	0.00	-1	36	328	4850		4	0.00	-1	36	306	4696
	5	0.00	-1	0	13	1417		5	0.00	-1	36	310	4609		5	0.00	-1	36	308	4436
	6	0.00	-1	0	13	1630		6	0.09	-1	146	441	4872		6	0.00	-1	36	306	4286
	7	0.00	-1	0	13	1646		7	0.04	-1	158	518	8450		7	0.00	-1	36	330	4181
	8	0.00	-1	0	13	1677		8	0.04	-1	159	509	10816		8	0.01	-1	36	336	4202
	9	0.00	-1	0	13	2034		9	0.02	-1	147	518	13178		9	0.00	-1	36	306	4181
	10	0.00	-1	0	13	3094		10	0.13	-1	419	808	15782		10	0.01	-1	64	344	4139
	11	0.00	-1	0	13	5666		11	0.01	-1	241	850	32980		11	0.09	-1	201	559	5435
	12	0.00	-1	0	15	5766		12	0.00	-1	114	487	34918		12	0.09	-1	280	858	11451
	13	0.01	-1	110	252	9336		13	0.01	-1	114	456	24919		13	0.01	-1	159	824	16333
	14	0.03	-1	212	609	16891		14	0.04	-1	166	473	18633		14	0.01	-1	126	679	13823
	15	0.04	-1	142	558	19214		15	0.12	-1	458	885	21453		15	0.00	-1	110	642	12067
	16	0.07	-1	139	534	18395		16	0.22	-1	1200	2269	44987		16	0.00	-1	75	585	10334
	17	0.10	-1	226	750	19697		17	0.16	-1	1813	2653	130645		17	0.00	-1	78	569	9011
	18	0.05	-1	150	639	23220		18	0.02	-1	615	955	190560		18	0.00	-1	78	544	8161
	19	0.03	-1	121	563	20534		19	0.01	-1	227	671	110955		19	0.00	-1	75	535	7593
	20	0.01	-1	114	534	18124		20	0.00	-1	198	612	61489		20	0.02	-1	114	610	7264
	21	0.01	-1	105	519	16562		21	0.01	-1	157	665	46302		21	0.00	-1	91	625	8477
	22	0.00	-1	77	458	14164		22	0.01	-1	151	610	34710		22	0.00	-1	78	570	8135
	23	0.00	-1	77	441	12067		23	0.01	-1	161	609	28702		23	0.00	-1	77	562	7365
JAN 4	0	0.01	-1	91	514	11161	JAN 6	0	0.03	-1	201	621	26389	JAN 8	0	0.01	-1	78	550	6865
	1	0.01	-1	131	573	11422		1	0.00	-1	143	643	25631		1	0.00	-1	109	639	7189
	2	0.01	-1	115	559	9227		2	0.01	-1	147	578	22819		2	0.01	-1	78	593	7798
	3	0.01	-1	134	532	11334		3	0.00	-1	115	577	20886		3	0.02	-1	78	611	7670
	4	0.00	-1	88	517	11248		4	0.00	-1	107	525	18429		4	0.01	-1	115	633	7798
	5	0.00	-1	72	473	10362		5	0.00	-1	73	495	16138		5	0.04	-1	147	719	8530
	6	0.00	-1	74	455	8266		6	0.00	-1	78	496	14289		6	0.05	-1	183	735	9720
	7	0.00	-1	78	423	7619		7	0.00	-1	78	482	13057		7	0.03	-1	185	674	7517
	8	0.00	-1	78	420	8031		8	0.00	-1	78	456	11861		8	0.05	-1	179	657	8477
	9	0.00	-1	78	420	7902		9	0.00	-1	78	459	10873		9	0.04	-1	246	754	13148
	10	0.01	-1	78	420	7289		10	0.00	-1	76	456	10109		10	0.01	-1	175	631	14102
	11	0.00	-1	94	413	7189		11	0.00	-1	72	456	9363		11	0.01	-1	144	638	13946
	12	0.00	-1	94	457	7239		12	0.00	-1	77	456	8742		12	0.03	-1	165	580	13057
	13	0.00	-1	94	451	7340		13	0.00	-1	78	441	8161		13	0.00	-1	122	571	12905
	14	0.00	-1	95	420	7239		14	0.00	-1	72	429	7824		14	0.00	-1	105	436	12996
	15	0.00	-1	81	231	6890		15	0.00	-1	77	374	7696		15	0.00	-1	74	576	12905
	16	0.00	-1	70	342	6595		16	0.01	-1	78	350	7441		16	0.00	-1	74	582	12484
	17	0.00	-1	45	333	6066		17	0.00	-1	66	342	7089		17	0.00	-1	74	572	11161
	18	0.00	-1	42	306	5666		18	0.00	-1	42	344	6449		18	0.00	-1	78	535	10277
	19	0.00	-1	42	306	5321		19	0.00	-1	42	348	6113		19	0.00	-1	78	534	9748
	20	0.00	-1	42	307	5095		20	0.00	-1	42	343	5924		20	0.00	-1	78	533	9227
	21	0.00	-1	42	341	5050		21	0.00	-1	42	342	5666		21	0.00	-1	76	534	8769
	22	0.01	-1	39	344	4983		22	0.00	-1	42	342	5435		22	0.00	-1	70	515	8450
	23	0.00	-1	36	305	5118		23	0.00	-1	41	342	5276		23	0.00	-1	36	498	8005

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)-----	E4F2 FEET/HR)-----	E3C1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)-----	E4F2 FEET/HR)-----	E3C1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)-----	E4F2 FEET/HR)-----	E3C1 -----
JAN 9	0	0.00	-1	38	495	7517	JAN 11	0	0.00	-1	38	264	3484	JAN 13	0	0.00	-1	13	155	3190
	1	0.01	-1	49	497	7876		1	0.00	-1	38	265	3504		1	0.02	-1	60	270	3425
	2	0.04	-1	111	590	9942		2	0.00	-1	38	270	3366		2	0.04	-1	132	406	4850
	3	0.01	-1	114	600	10390		3	0.00	-1	38	270	3307		3	0.01	-1	126	410	8161
	4	0.02	-1	117	512	11334		4	0.00	-1	38	270	3229		4	0.00	-1	81	359	9092
	5	0.02	-1	120	658	12097		5	0.00	-1	38	266	3366		5	0.00	-1	36	264	7747
	6	0.04	-1	179	711	15782		6	0.00	-1	38	264	3366		6	0.00	-1	36	228	6304
	7	0.03	-1	193	754	18395		7	0.00	-1	38	264	3287		7	0.01	-1	39	228	5435
	8	0.03	-1	190	764	18769		8	0.00	-1	38	264	3287		8	0.00	-1	42	230	4828
	9	0.01	-1	133	689	16203		9	0.00	-1	38	268	3248		9	0.03	-1	57	239	4894
	10	0.00	-1	110	600	13823		10	0.00	-1	38	270	3094		10	0.05	-1	131	389	6915
	11	0.00	-1	82	570	12067		11	0.00	-1	38	269	3094		11	0.11	-1	259	583	9858
	12	0.00	-1	76	561	10447		12	0.00	-1	38	264	3094		12	0.10	-1	376	1357	22169
	13	0.00	-1	59	534	9445		13	0.00	-1	38	264	3056		13	0.05	-1	431	1762	36469
	14	0.01	-1	76	533	9146		14	0.01	-1	38	264	3094		14	0.00	-1	192	1129	45303
	15	0.00	-1	78	419	8742		15	0.04	-1	37	306	3190		15	0.01	-1	145	923	36089
	16	0.00	-1	78	383	8450		16	0.01	-1	43	355	3624		16	0.01	-1	122	908	27115
	17	0.00	-1	78	379	8135		17	0.00	-1	36	339	3889		17	0.00	-1	97	826	22783
	18	0.00	-1	78	383	7696		18	0.00	-1	36	302	3786		18	0.00	-1	78	764	18429
	19	0.00	-1	73	369	7064		19	0.01	-1	15	306	3584		19	0.00	-1	78	744	15492
	20	0.00	-1	72	347	6571		20	0.02	-1	38	275	3405		20	0.01	-1	76	728	13730
	21	0.00	-1	36	342	5900		21	0.01	-1	67	316	3889		21	0.00	-1	67	732	12754
	22	0.00	-1	36	342	5412		22	0.03	-1	42	363	4501		22	0.00	-1	42	684	11480
	23	0.00	-1	36	342	5095		23	0.03	-1	97	424	4696		23	0.01	-1	42	686	10306
JAN 10	0	0.00	-1	36	342	4806	JAN 12	0	0.01	-1	80	449	6042	JAN 14	0	0.06	-1	38	653	9281
	1	0.00	-1	36	342	4784		1	0.00	-1	46	403	5971		1	0.01	-1	36	648	8371
	2	0.00	-1	36	342	4762		2	0.00	-1	36	352	5140		2	0.01	-1	36	656	7773
	3	0.00	-1	36	342	4784		3	0.00	-1	36	344	4587		3	0.02	-1	36	684	7747
	4	0.00	-1	36	347	4652		4	0.00	-1	36	313	4202		4	0.02	-1	104	806	8187
	5	0.00	-1	36	343	4393		5	0.00	-1	36	306	3868		5	0.00	-1	67	743	9582
	6	0.00	-1	40	342	4265		6	0.00	-1	40	306	3624		6	0.00	-1	36	718	8424
	7	0.00	-1	42	344	4118		7	0.00	-1	42	306	3624		7	0.00	-1	36	686	7902
	8	0.00	-1	42	319	3972		8	0.00	-1	39	306	3766		8	0.00	-1	36	648	7314
	9	0.00	-1	42	306	3930		9	0.00	-1	25	301	3807		9	0.01	-1	36	648	6915
	10	0.00	-1	42	308	3889		10	0.00	-1	29	304	3705		10	0.00	-1	46	646	6571
	11	0.00	-1	42	304	3857		11	0.00	-1	23	305	3705		11	0.00	-1	76	509	6256
	12	0.00	-1	39	306	3830		12	0.00	-1	23	262	3644		12	0.00	-1	76	346	5924
	13	0.00	-1	36	306	3825		13	0.00	-1	23	192	3504		13	0.00	-1	74	342	5550
	14	0.00	-1	37	301	3825		14	0.00	-1	23	192	3484		14	0.02	-1	106	342	5230
	15	0.00	-1	38	280	3825		15	0.00	-1	18	192	3385		15	0.02	-1	114	412	5830
	16	0.00	-1	38	269	3827		16	0.00	-1	18	192	3307		16	0.00	-1	204	428	6989
	17	0.00	-1	38	264	3807		17	0.00	-1	19	191	3287		17	0.01	-1	100	293	6742
	18	0.00	-1	38	268	3705		18	0.00	-1	19	186	3248		18	0.01	-1	74	342	6619
	19	0.00	-1	38	270	3564		19	0.00	-1	15	188	3229		19	0.00	-1	55	342	6644
	20	0.00	-1	38	270	3564		20	0.00	-1	15	192	3209		20	0.01	-1	36	339	6595
	21	0.00	-1	38	269	3524		21	0.00	-1	13	181	3190		21	0.00	-1	36	307	6328
	22	0.00	-1	38	264	3504		22	0.00	-1	13	171	3229		22	0.00	-1	38	270	5783
	23	0.00	-1	38	264	3484		23	0.00	-1	13	155	3190		23	0.00	-1	42	264	5185

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----
JAN 15	0	0.00	-1	42	237	4806	JAN 17	0	0.04	-1	240	759	23439	JAN 19	0	0.00	-1	67	380	10081
	1	0.00	-1	46	228	4696		1	0.01	-1	232	904	23293		1	0.00	-1	42	357	9281
	2	0.01	-1	36	232	4587		2	0.00	-1	158	818	26961		2	0.00	-1	42	342	8530
	3	0.01	-1	36	271	4652		3	0.00	-1	97	471	22025		3	0.00	-1	42	342	7850
	4	0.00	-1	36	293	4828		4	0.00	-1	77	399	17023		4	0.00	-1	42	345	7039
	5	0.00	-1	36	252	4587		5	0.03	-1	121	395	13638		5	0.00	-1	37	318	6668
	6	0.01	-1	36	232	4393		6	0.02	-1	173	680	14571		6	0.00	-1	36	306	6546
	7	0.00	-1	42	228	4265		7	0.02	-1	140	461	15109		7	0.00	-1	36	304	6425
	8	0.00	-1	42	228	4139		8	0.01	-1	136	495	14729		8	0.00	-1	36	293	5971
	9	0.00	-1	42	228	3972		9	0.00	-1	93	400	12905		9	0.00	-1	36	271	5574
	10	0.00	-1	42	228	3848		10	0.00	-1	76	345	11334		10	0.00	-1	36	270	5344
	11	0.00	-1	42	228	3705		11	0.00	-1	50	316	10193		11	0.00	-1	36	266	5185
	12	0.00	-1	42	228	3604		12	0.00	-1	43	304	9200		12	0.00	-1	36	264	5073
	13	0.00	-1	38	197	3624		13	0.00	-1	42	306	8371		13	0.00	-1	36	264	5005
	14	0.00	-1	37	192	3685		14	0.00	-1	39	280	7721		14	0.00	-1	36	264	5005
	15	0.00	-1	34	192	3725		15	0.00	-1	36	271	7314		15	0.00	-1	42	264	4828
	16	0.00	-1	20	192	3604		16	0.00	-1	50	293	6915		16	0.00	-1	37	268	4631
	17	0.00	-1	20	192	1343		17	0.04	-1	94	379	7365		17	0.00	-1	26	270	4522
	18	0.00	-1	18	192	3685		18	0.04	-1	186	602	8769		18	0.00	-1	26	248	4372
	19	0.00	-1	42	189	3685		19	0.03	-1	128	938	12544		19	0.00	-1	5	228	4265
	20	0.01	-1	36	196	3685		20	0.00	-1	76	474	11861		20	0.00	-1	0	228	4160
	21	0.02	-1	36	263	3705		21	0.00	-1	48	404	10109		21	0.00	-1	0	228	4034
	22	0.02	-1	37	282	3868		22	0.00	-1	42	367	8903		22	0.00	-1	0	228	3910
	23	0.06	-1	170	678	4939		23	0.00	-1	42	343	8057		23	0.00	-1	0	228	3807
JAN 16	0	0.01	-1	75	440	7619	JAN 18	0	0.00	-1	37	340	7568	JAN 20	0	0.00	-1	0	228	3725
	1	0.01	-1	78	353	6018		1	0.00	-1	36	303	7189		1	0.00	-1	0	236	3725
	2	0.03	-1	143	487	5947		2	0.00	-1	36	301	6816		2	0.00	-1	0	234	3685
	3	0.03	-1	236	597	8530		3	0.00	-1	36	306	6522		3	0.01	-1	0	234	3766
	4	0.00	-1	239	1088	15556		4	0.00	-1	36	306	6137		4	0.00	-1	0	234	3766
	5	0.00	-1	142	557	17354		5	0.00	-1	39	306	5783		5	0.00	-1	0	234	3685
	6	0.00	-1	127	488	14102		6	0.00	-1	42	306	5504		6	0.00	-1	0	234	3746
	7	0.00	-1	75	401	11978		7	0.00	-1	41	306	5298		7	0.00	-1	0	234	3807
	8	0.00	-1	78	343	10221		8	0.00	-1	36	306	5163		8	0.00	-1	0	252	3807
	9	0.00	-1	66	310	8957		9	0.00	-1	36	306	5005		9	0.00	-1	0	259	3848
	10	0.01	-1	71	306	8005		10	0.00	-1	36	286	4828		10	0.00	-1	0	228	3868
	11	0.00	-1	53	303	7593		11	0.03	-1	84	346	5073		11	0.00	-1	0	228	3827
	12	0.00	-1	38	290	6964		12	0.02	-1	95	475	6619		12	0.00	-1	0	228	3705
	13	0.00	-1	48	266	6377		13	0.04	-1	131	591	7953		13	0.00	-1	0	228	3604
	14	0.00	-1	75	347	6619		14	0.06	-1	256	919	11074		14	0.00	-1	0	228	3504
	15	0.00	-1	58	338	6939		15	0.07	-1	337	1387	21062		15	0.00	-1	0	228	3444
	16	0.00	-1	24	274	6473		16	0.02	-1	180	748	25896		16	0.00	-1	0	228	3326
	17	0.00	-1	23	267	5759		17	0.03	-1	220	741	21774		17	0.00	-1	0	228	3326
	18	0.00	-1	18	242	5344		18	0.01	-1	201	762	22421		18	0.00	-1	0	228	3366
	19	0.00	-1	18	229	5028		19	0.01	-1	131	585	20815		19	0.00	-1	0	228	3484
	20	0.00	-1	18	230	4784		20	0.00	-1	100	484	17188		20	0.00	-1	0	228	3484
	21	0.06	-1	84	340	5050		21	0.00	-1	78	435	13977		21	0.00	-1	0	228	3484
	22	0.14	-1	431	1613	12694		22	0.00	-1	78	419	11861		22	0.00	-1	0	228	3484
	23	0.03	-1	259	856	25820		23	0.00	-1	75	391	10845		23	0.00	-1	0	228	3444

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HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1
JAN 21	0	0.00	-1	0	-1	3444	JAN 23	0	0.00	-1	0	228	3766	JAN 25	0	0.00	-1	0	150	1432
	1	0.03	-1	21	-1	3464		1	0.00	-1	0	228	3624		1	0.00	-1	0	150	1429
	2	0.00	-1	18	-1	3685		2	0.00	-1	0	229	3484		2	0.00	-1	0	150	1422
	3	0.01	-1	5	-1	3807		3	0.00	-1	0	200	3113		3	0.00	-1	0	150	1422
	4	0.00	-1	0	-1	3807		4	0.00	-1	0	192	3056		4	0.00	-1	0	150	1422
	5	0.17	-1	501	-1	16562		5	0.00	-1	0	192	2905		5	0.00	-1	0	150	1422
	6	0.00	-1	88	-1	15492		6	0.00	-1	0	192	2307		6	0.00	-1	0	150	1422
	7	0.00	-1	42	-1	11772		7	0.00	-1	0	192	2238		7	0.00	-1	0	150	1422
	8	0.00	-1	36	-1	7850		8	0.00	-1	0	192	2118		8	0.00	-1	0	153	1422
	9	0.00	-1	36	-1	6304		9	0.00	-1	0	192	2118		9	0.00	-1	0	179	1422
	10	0.00	-1	36	-1	5344		10	0.00	-1	0	192	2101		10	0.00	-1	0	181	1422
	11	0.00	-1	36	-1	4916		11	0.00	-1	0	192	1984		11	0.05	-1	16	353	1542
	12	0.00	-1	41	-1	4631		12	0.00	-1	0	192	1968		12	0.01	-1	15	258	2848
	13	0.00	-1	39	228	4565		13	0.00	-1	0	192	1951		13	0.00	-1	0	216	3484
	14	0.02	-1	152	222	4894		14	0.00	-1	0	192	1951		14	0.00	-1	0	192	3504
	15	0.05	-1	181	211	10759		15	0.00	-1	0	192	1885		15	0.00	-1	0	185	2756
	16	0.03	-1	142	399	12245		16	0.00	-1	0	192	1820		16	0.00	-1	0	156	2573
	17	0.07	-1	306	1350	7568		17	0.00	-1	0	192	1788		17	0.00	-1	0	156	2502
	18	0.02	-1	127	638	20534		18	0.00	-1	0	192	1788		18	0.00	-1	0	156	2360
	19	0.00	-1	73	402	15013		19	0.00	-1	0	192	1677		19	0.00	-1	0	156	2325
	20	0.00	-1	36	346	11684		20	0.00	-1	0	192	1630		20	0.00	-1	0	156	2325
	21	0.00	-1	36	309	9610		21	0.00	-1	0	192	1646		21	0.00	-1	0	151	2273
	22	0.00	-1	36	285	8266		22	0.00	-1	0	190	1522		22	0.00	-1	0	150	2169
	23	0.00	-1	36	264	7289		23	0.00	-1	0	186	1477		23	0.00	-1	0	150	2152
JAN 22	0	0.00	-1	36	268	6571	JAN 24	0	0.00	-1	0	186	1417	JAN 26	0	0.00	-1	0	150	2152
	1	0.00	-1	36	265	6137		1	0.00	-1	0	186	1242		1	0.00	-1	0	150	2085
	2	0.01	-1	41	232	5759		2	0.00	-1	0	186	1402		2	0.00	-1	0	150	1984
	3	0.00	-1	42	228	5435		3	0.00	-1	0	186	1646		3	0.00	-1	0	150	1984
	4	0.00	-1	42	228	5073		4	0.00	-1	0	174	1685		4	0.00	-1	0	136	1984
	5	0.00	-1	39	228	4872		5	0.00	-1	0	189	1618		5	0.00	-1	0	117	1984
	6	0.00	-1	36	228	4784		6	0.00	-1	0	194	1625		6	0.00	-1	0	114	1968
	7	0.00	-1	36	228	4674		7	0.00	-1	0	156	1555		7	0.00	-1	0	114	1968
	8	0.00	-1	37	228	4522		8	0.00	-1	0	156	1519		8	0.00	-1	0	114	1853
	9	0.00	-1	42	229	4457		9	0.00	-1	0	156	1546		9	0.00	-1	0	114	1820
	10	0.00	-1	35	222	4414		10	0.00	-1	0	156	1519		10	0.00	-1	0	114	1820
	11	0.00	-1	34	192	4479		11	0.00	-1	0	156	1502		11	0.00	-1	0	111	1820
	12	0.00	-1	28	192	4501		12	0.00	-1	0	156	1502		12	0.00	-1	0	111	1820
	13	0.00	-1	28	192	4522		13	0.00	-1	0	156	1502		13	0.00	-1	0	111	1820
	14	0.00	-1	24	188	4544		14	0.00	-1	0	156	1502		14	0.00	-1	0	111	1820
	15	0.06	-1	87	823	4372		15	0.00	-1	0	156	1496		15	0.00	-1	0	111	1788
	16	0.00	-1	38	422	5783		16	0.00	-1	0	156	1493		16	0.00	-1	0	111	1788
	17	0.00	-1	41	307	4674		17	0.00	-1	0	156	1490		17	0.00	-1	0	111	1740
	18	0.00	-1	36	276	4565		18	0.00	-1	0	150	1442		18	0.00	-1	0	111	1661
	19	0.00	-1	30	261	4587		19	0.00	-1	0	150	1425		19	0.00	-1	0	111	1661
	20	0.00	-1	0	231	4436		20	0.00	-1	0	150	1425		20	0.00	-1	0	111	1661
	21	0.00	-1	0	228	4160		21	0.00	-1	0	150	1425		21	0.00	-1	0	111	1661
	22	0.00	-1	0	228	4034		22	0.00	-1	0	150	1425		22	0.00	-1	0	111	1630
	23	0.00	-1	0	228	3868		23	0.00	-1	0	150	1407		23	0.00	-1	0	108	1630

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ----	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ----	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ----	E3C1
JAN 27	0	0.00	-1	0	103	1630	JAN 29	0	0.00	-1	0	75	1477	JAN 31	0	0.00	-1	0	-1	1357
	1	0.00	-1	0	110	1630		1	0.00	-1	0	75	1477		1	0.00	-1	0	-1	1357
	2	0.00	-1	0	116	1630		2	0.00	-1	0	75	1462		2	0.00	-1	0	-1	1462
	3	0.00	-1	0	116	1630		3	0.00	-1	0	75	1447		3	0.00	-1	0	-1	1447
	4	0.00	-1	0	116	1630		4	0.00	-1	0	75	1447		4	0.00	-1	0	-1	1328
	5	0.00	-1	0	116	1630		5	0.00	-1	0	75	1417		5	0.00	-1	0	-1	1328
	6	0.00	-1	0	116	1630		6	0.00	-1	0	75	1402		6	0.02	-1	0	47	1328
	7	0.00	-1	0	116	1630		7	0.00	-1	0	75	1387		7	0.04	-1	0	68	1357
	8	0.00	-1	0	116	1630		8	0.00	-1	0	75	1387		8	0.04	-1	0	101	1537
	9	0.00	-1	0	116	1630		9	0.00	-1	0	75	1357		9	0.01	-1	0	88	2221
	10	0.00	-1	0	116	1661		10	0.00	-1	0	75	1357		10	0.02	0	0	84	2255
	11	0.00	-1	0	116	1661		11	0.00	-1	0	75	1417		11	0.01	0	0	75	1885
	12	0.00	-1	0	116	1661		12	0.00	-1	0	75	1477		12	0.00	0	0	77	1804
	13	0.00	-1	0	116	1661		13	0.00	-1	0	75	1492		13	0.00	0	0	75	1709
	14	0.00	-1	0	116	1661		14	0.00	-1	0	75	1492		14	0.00	0	0	75	1661
	15	0.00	-1	0	116	1661		15	0.00	-1	0	75	1477		15	0.00	0	0	75	1646
	16	0.00	-1	0	116	1661		16	0.00	-1	0	75	1477		16	0.00	0	0	75	1630
	17	0.00	-1	0	116	1584		17	0.00	-1	0	75	1407		17	0.00	0	0	75	1568
	18	0.00	-1	0	116	1507		18	0.00	-1	0	75	1372		18	0.00	0	0	75	1507
	19	0.00	-1	0	96	1492		19	0.00	-1	0	75	1357		19	0.00	0	0	75	1507
	20	0.00	-1	0	75	1477		20	0.00	-1	0	75	1357		20	0.00	0	0	75	1492
	21	0.00	-1	0	75	1477		21	0.00	-1	0	75	1357		21	0.00	0	0	75	1477
	22	0.00	-1	0	78	1477		22	0.00	-1	0	80	1343		22	0.00	0	0	75	1477
	23	0.00	-1	0	80	1477		23	0.00	-1	0	80	1328		23	0.00	0	0	75	1477
JAN 28	0	0.00	-1	0	77	1477	JAN 30	0	0.00	-1	0	60	1328	FEB 1	0	0.00	0	0	76	1261
	1	0.00	-1	0	76	1477		1	0.00	-1	0	-1	1328		1	0.00	0	0	75	1184
	2	0.00	-1	0	79	1477		2	0.00	-1	0	-1	1328		2	0.00	0	0	75	1155
	3	0.00	-1	0	77	1477		3	0.00	-1	0	-1	1328		3	0.00	0	0	75	1133
	4	0.01	-1	0	91	1492		4	0.00	-1	0	-1	1328		4	0.06	0	32	258	1284
	5	0.00	-1	0	101	1507		5	0.00	-1	0	-1	1328		5	0.08	0	74	547	1599
	6	0.01	-1	0	102	1507		6	0.00	-1	0	-1	1328		6	0.14	0	135	1240	1256
	7	0.00	-1	0	102	1507		7	0.00	-1	0	-1	1328		7	0.04	0	39	658	3326
	8	0.00	-1	0	116	1693		8	0.00	-1	0	-1	1328		8	0.05	0	44	439	5550
	9	0.00	-1	0	111	1756		9	0.00	-1	0	-1	1328		9	0.00	0	42	303	7824
	10	0.00	-1	0	111	1630		10	0.00	-1	0	-1	1328		10	0.00	0	39	227	7644
	11	0.00	-1	0	115	1630		11	0.00	-1	0	-1	1328		11	0.05	0	44	340	7214
	12	0.00	-1	0	116	1630		12	0.00	-1	0	-1	1328		12	0.00	0	41	514	7390
	13	0.00	-1	0	116	1646		13	0.00	-1	0	-1	1328		13	0.01	0	38	264	8057
	14	0.00	-1	0	114	1661		14	0.00	-1	0	-1	1328		14	0.00	0	24	217	6018
	15	0.00	-1	0	81	1614		15	0.00	-1	0	-1	1328		15	0.00	0	24	191	5390
	16	0.00	-1	0	75	1492		16	0.00	-1	0	-1	1328		16	0.03	0	49	245	5140
	17	0.00	-1	0	75	1492		17	0.00	-1	0	-1	1328		17	0.07	0	181	754	5666
	18	0.00	-1	0	75	1507		18	0.00	-1	0	-1	1328		18	0.09	1	265	1210	11949
	19	0.00	-1	0	75	1507		19	0.00	-1	0	-1	1328		19	0.09	13	402	1611	28859
	20	0.00	-1	0	75	1492		20	0.00	-1	0	-1	1328		20	0.04	0	165	601	36595
	21	0.00	-1	0	75	1477		21	0.00	-1	0	-1	1328		21	0.02	0	163	687	29566
	22	0.00	-1	0	75	1477		22	0.00	-1	0	-1	1357		22	0.00	0	78	376	23696
	23	0.00	-1	0	75	1477		23	0.01	-1	0	-1	1357		23	0.01	0	65	333	17221

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 --- (CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 --- (CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 --- (CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----							
FEB	2	0	0.02	0	80	299	13545	FEB	4	0	0.00	0	36	215	4894	FEB	6	0	0.00	1	80	494	6742				
	1	0.00	0	87	417	12275		1	0.00	0	36	273	4740		1	0.00	0	42	310	6473		1	0.00	0	42	310	6473
	2	0.01	0	79	315	12305		2	0.00	0	38	285	4631		2	0.00	0	40	266	5298		2	0.00	0	40	266	5298
	3	0.05	0	179	551	11714		3	0.00	0	42	269	4531		3	0.00	0	36	288	4784		3	0.00	0	36	288	4784
	4	0.01	0	89	481	14697		4	0.00	0	42	264	4419		4	0.00	0	36	264	4762		4	0.00	0	36	264	4762
	5	0.00	0	65	324	13854		5	0.00	0	39	240	4329		5	0.00	0	36	266	4565		5	0.00	0	36	266	4565
	6	0.00	0	51	301	11597		6	0.00	0	5	228	4244		6	0.00	0	39	228	4457		6	0.00	0	39	228	4457
	7	0.00	0	39	295	10193		7	0.00	0	0	228	4139		7	0.00	0	22	228	4350		7	0.00	0	22	228	4350
	8	0.00	0	39	267	9281		8	0.00	0	0	228	4118		8	0.00	0	42	228	4202		8	0.00	0	42	228	4202
	9	0.00	0	37	233	8424		9	0.00	0	0	228	4097		9	0.01	7	38	229	4097		9	0.01	7	38	229	4097
	10	0.00	0	36	228	7466		10	0.00	0	0	229	4097		10	0.01	12	32	273	3992		10	0.01	12	32	273	3992
	11	0.02	0	64	256	7114		11	0.00	0	0	212	4013		11	0.01	12	36	305	4501		11	0.01	12	36	305	4501
	12	0.02	0	96	426	7466		12	0.00	0	0	198	3930		12	0.00	8	36	292	4565		12	0.00	8	36	292	4565
	13	0.08	2	242	672	3425		13	0.00	0	0	212	3889		13	0.01	0	42	268	4587		13	0.01	0	42	268	4587
	14	0.06	19	182	1175	17188		14	0.00	0	0	202	3868		14	0.00	0	29	250	4522		14	0.00	0	29	250	4522
	15	0.12	27	277	1083	25481		15	0.00	0	0	208	3848		15	0.00	0	29	228	4501		15	0.00	0	29	228	4501
	16	0.03	24	229	899	28937		16	0.00	0	0	208	3766		16	0.00	0	22	214	4308		16	0.00	0	22	214	4308
	17	0.00	12	99	490	28118		17	0.00	0	0	208	3685		17	0.00	0	22	192	3992		17	0.00	0	22	192	3992
	18	0.00	12	75	375	20044		18	0.00	0	0	208	3604		18	0.00	0	20	192	3868		18	0.00	0	20	192	3868
	19	0.00	12	58	328	15428		19	0.00	0	0	208	3504		19	0.03	0	22	188	3746		19	0.03	0	22	188	3746
	20	0.00	12	39	305	12935		20	0.00	0	0	208	3464		20	0.01	0	47	264	3827		20	0.01	0	47	264	3827
	21	0.00	12	37	299	11451		21	0.00	0	0	208	3366		21	0.00	0	36	339	4696		21	0.00	0	36	339	4696
	22	0.00	9	36	266	10109		22	0.00	0	0	208	3307		22	0.00	0	36	246	4674		22	0.00	0	36	246	4674
	23	0.00	0	38	267	9281		23	0.00	0	0	208	3287		23	0.00	0	35	228	4393		23	0.00	0	35	228	4393
FEB	3	0	0.00	0	39	267	8716	FEB	5	0	0.00	0	0	208	3287	FEB	7	0	0.00	0	38	219	4076				
	1	0.00	0	38	267	8266		1	0.00	0	0	208	3287		1	0.00	0	36	192	3889		1	0.00	0	36	192	3889
	2	0.00	0	36	260	7747		2	0.00	0	0	208	3287		2	0.01	0	42	194	3786		2	0.01	0	42	194	3786
	3	0.00	0	36	229	7264		3	0.00	0	0	208	3248		3	0.01	0	29	249	3827		3	0.01	0	29	249	3827
	4	0.00	0	36	228	6865		4	0.00	0	0	208	3229		4	0.01	0	36	269	4097		4	0.01	0	36	269	4097
	5	0.00	0	36	229	6353		5	0.00	0	0	208	3190		5	0.05	0	42	287	4329		5	0.05	0	42	287	4329
	6	0.00	0	6	228	6018		6	0.01	0	0	229	3171		6	0.10	8	147	563	5208		6	0.10	8	147	563	5208
	7	0.00	0	0	228	5759		7	0.01	0	1	242	3132		7	0.09	22	282	1020	11509		7	0.09	22	282	1020	11509
	8	0.00	0	0	228	5550		8	0.03	0	38	294	3326		8	0.06	30	422	1468	23293		8	0.06	30	422	1468	23293
	9	0.00	0	0	228	5298		9	0.02	0	73	378	3746		9	0.02	8	211	815	32288		9	0.02	8	211	815	32288
	10	0.00	0	0	229	5095		10	0.04	0	75	396	4436		10	0.01	12	163	617	24807		10	0.01	12	163	617	24807
	11	0.00	0	0	231	4916		11	0.01	0	101	438	5095		11	0.00	12	93	376	19145		11	0.00	12	93	376	19145
	12	0.00	0	0	206	4784		12	0.01	7	78	405	5900		12	0.01	12	77	394	15428		12	0.01	12	77	394	15428
	13	0.00	0	0	215	4762		13	0.00	3	65	404	5620		13	0.01	20	86	339	14071		13	0.01	20	86	339	14071
	14	0.00	0	0	228	4652		14	0.01	0	42	315	5550		14	0.00	7	49	306	12216		14	0.00	7	49	306	12216
	15	0.00	0	0	228	4501		15	0.00	0	39	311	5050		15	0.00	12	48	289	10931		15	0.00	12	48	289	10931
	16	0.00	0	0	217	4350		16	0.00	0	36	295	4828		16	0.00	12	36	270	10193		16	0.00	12	36	270	10193
	17	0.01	12	6	200	4223		17	0.00	0	36	264	4393		17	0.00	12	40	268	9637		17	0.00	12	40	268	9637
	18	0.08	20	79	203	4850		18	0.00	0	17	266	4160		18	0.03	12	105	413	9582		18	0.03	12	105	413	9582
	19	0.02	23	123	336	7953		19	0.01	0	20	270	3848		19	0.00	12	41	282	10081		19	0.00	12	41	282	10081
	20	0.00	12	52	328	7390		20	0.01	0	38	237	3725		20	0.00	7	36	268	8957		20	0.00	7	36	268	8957
	21	0.00	12	36	300	5994		21	0.02	0	50	258	3705		21	0.00	0	36	230	8214		21	0.00	0	36	230	8214
	22	0.00	14	36	203	5298		22	0.02	0	54	346	4076		22	0.00	0	36	228	7492		22	0.00	0	36	228	7492
	23	0.00	0	36	215	5028		23	0.03	4	99	450	4784		23	0.00	0	37	229	6377		23	0.00	0	37	229	6377

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1
FEB 8	0	0.02	9	42	251	5830	FEB 10	0	0.00	0	0	156	4139	FEB 12	0	0.00	0	0	114	2682
	1	0.01	12	42	266	6353		1	0.00	0	0	156	4139		1	0.00	0	0	114	2737
	2	0.01	12	39	270	6742		2	0.00	0	0	152	4139		2	0.00	0	0	114	2719
	3	0.00	8	36	273	6137		3	0.00	0	0	150	4139		3	0.00	0	0	114	2719
	4	0.00	0	36	234	5830		4	0.00	0	0	150	4118		4	0.00	0	0	114	2719
	5	0.00	0	36	228	5504		5	0.00	0	0	150	4097		5	0.00	0	0	114	2719
	6	0.00	0	36	228	5298		6	0.00	0	0	150	4097		6	0.00	0	0	114	2719
	7	0.00	0	42	228	5073		7	0.00	0	0	150	3665		7	0.00	0	0	114	2682
	8	0.00	0	42	228	4894		8	0.00	0	0	150	3326		8	0.00	0	0	114	2682
	9	0.00	0	21	228	4939		9	0.00	0	0	162	3287		9	0.02	16	0	120	2682
	10	0.00	0	16	228	5005		10	0.00	0	0	161	3287		10	0.05	24	0	185	2682
	11	0.00	0	17	233	5028		11	0.00	0	0	156	3287		11	0.05	24	7	321	2793
	12	0.00	0	12	228	5050		12	0.00	0	0	152	3287		12	0.02	24	31	412	4055
	13	0.00	0	12	228	5050		13	0.00	0	0	156	3268		13	0.00	24	0	232	4806
	14	0.00	0	10	228	5073		14	0.00	0	0	151	3190		14	0.01	24	0	191	3868
	15	0.00	0	10	231	5095		15	0.00	0	0	147	3094		15	0.01	22	0	161	3405
	16	0.01	0	10	175	4916		16	0.00	0	0	114	3094		16	0.00	0	0	150	3132
	17	0.01	0	38	246	4850		17	0.00	0	0	114	3094		17	0.00	0	0	156	2942
	18	0.02	0	55	313	5028		18	0.00	0	0	114	2905		18	0.00	0	0	120	2811
	19	0.01	2	46	314	5853		19	0.00	0	0	114	2905		19	0.00	0	0	114	2701
	20	0.00	0	38	253	5924		20	0.00	0	0	114	2905		20	0.00	0	0	114	2537
	21	0.00	0	36	228	5390		21	0.00	0	0	114	2867		21	0.00	0	0	115	2502
	22	0.02	6	46	272	4983		22	0.00	0	0	114	2905		22	0.00	0	0	114	2502
	23	0.00	3	36	274	5412		23	0.00	0	0	114	2905		23	0.00	0	0	114	2395
FEB 9	0	0.00	0	38	228	5095	FEB 11	0	0.00	0	0	114	2905	FEB 13	0	0.00	0	0	114	2360
	1	0.00	0	35	265	4828		1	0.00	0	0	119	2867		1	0.00	0	0	114	2325
	2	0.00	0	40	240	5163		2	0.00	0	0	119	2867		2	0.00	0	0	114	2325
	3	0.00	0	18	203	4828		3	0.00	0	0	114	2848		3	0.00	0	0	114	2325
	4	0.00	0	5	191	4501		4	0.00	0	0	114	2737		4	0.00	0	0	116	2342
	5	0.00	0	0	192	4202		5	0.00	0	0	114	2719		5	0.00	0	0	89	2273
	6	0.00	0	0	192	4139		6	0.00	0	0	114	2719		6	0.00	0	0	72	2186
	7	0.01	12	9	187	4139		7	0.00	0	0	114	2719		7	0.00	0	0	72	2221
	8	0.00	12	39	228	4160		8	0.00	0	0	114	2737		8	0.00	0	0	72	2204
	9	0.05	15	101	230	4587		9	0.00	0	0	114	2682		9	0.00	0	0	70	2152
	10	0.00	12	36	397	6232		10	0.00	0	0	114	2682		10	0.00	0	0	78	2152
	11	0.00	12	36	269	5253		11	0.00	0	0	114	2701		11	0.00	0	0	78	2152
	12	0.00	2	2	205	4762		12	0.00	0	0	114	2719		12	0.00	0	0	78	2152
	13	0.00	0	0	192	4393		13	0.00	0	0	114	2719		13	0.00	0	0	78	2152
	14	0.00	0	0	192	4202		14	0.00	0	0	114	2719		14	0.00	0	0	78	2152
	15	0.00	0	0	192	4139		15	0.00	0	0	114	2719		15	0.00	0	0	78	2152
	16	0.00	0	0	192	4139		16	0.00	0	0	114	2719		16	0.00	0	0	78	2152
	17	0.00	0	0	191	4139		17	0.00	0	0	114	2719		17	0.00	0	0	78	2152
	18	0.00	0	0	186	4139		18	0.00	0	0	114	2719		18	0.00	0	0	78	2068
	19	0.00	0	0	203	4139		19	0.00	0	0	114	2682		19	0.00	0	0	78	1968
	20	0.00	0	0	192	4097		20	0.00	0	0	114	2682		20	0.00	0	0	78	1984
	21	0.00	0	0	182	4097		21	0.00	0	0	114	2682		21	0.00	0	0	78	1984
	22	0.00	0	0	188	4118		22	0.00	0	0	114	2682		22	0.00	0	0	78	1984
	23	0.00	0	0	162	4139		23	0.00	0	0	114	2682		23	0.00	0	0	78	1968

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 ---	E4F1 (CUBIC	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	EIF1 ---	E4F1 (CUBIC	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	EIF1 ---	E4F1 (CUBIC	E4F2 FEET/HR)	E3C1 ----
FEB 14	0	0.00	0	0	78	2152	FEB 16	0	0.00	0	0	78	2630	FEB 18	0	0.00	0	0	36	2152
	1	0.00	0	0	78	2152		1	0.00	0	0	78	2630		1	0.00	0	0	36	2152
	2	0.00	0	0	78	2152		2	0.00	0	0	78	2630		2	0.00	0	0	36	2152
	3	0.00	0	0	78	2101		3	0.00	0	0	78	2630		3	0.00	0	0	36	2152
	4	0.00	0	0	78	2017		4	0.00	0	0	78	2626		4	0.00	0	0	36	2152
	5	0.00	0	0	78	2017		5	0.00	0	0	78	2621		5	0.00	0	0	36	2152
	6	0.00	0	0	78	2034		6	0.00	0	0	78	2629		6	0.00	0	0	36	2152
	7	0.00	0	0	78	2017		7	0.01	0	0	78	2629		7	0.00	0	0	36	2152
	8	0.00	0	0	73	1984		8	0.00	0	0	78	2628		8	0.00	0	0	36	2152
	9	0.00	0	0	72	2001		9	0.02	0	0	78	2627		9	0.00	0	0	36	2152
	10	0.00	0	0	72	2152		10	0.00	0	0	65	2592		10	0.00	0	0	36	2152
	11	0.00	0	0	72	2152		11	0.00	0	0	93	2560		11	0.00	0	0	36	2152
	12	0.00	0	0	72	2152		12	0.00	0	0	75	2527		12	0.00	0	0	36	2152
	13	0.03	0	15	101	2152		13	0.00	0	0	75	2502		13	0.00	0	0	36	2152
	14	0.01	0	38	207	2342		14	0.00	0	0	82	2502		14	0.00	0	0	36	2152
	15	0.00	0	47	206	3056		15	0.00	0	0	72	2502		15	0.00	0	0	36	2152
	16	0.00	0	15	168	3248		16	0.00	0	0	76	2502		16	0.00	0	0	36	2152
	17	0.00	0	0	157	3094		17	0.00	0	0	75	2502		17	0.00	0	0	36	2169
	18	0.00	0	0	141	2942		18	0.01	0	0	96	2502		18	0.00	0	0	36	2152
	19	0.00	0	0	114	2737		19	0.00	0	0	116	2502		19	0.00	0	0	36	2034
	20	0.00	0	0	114	2573		20	0.00	0	0	116	2502		20	0.00	0	0	36	1984
	21	0.00	0	0	90	2430		21	0.01	0	0	114	2537		21	0.00	0	0	39	1984
	22	0.00	0	0	72	2342		22	0.00	0	0	111	2537		22	0.00	0	0	39	2017
	23	0.00	0	0	78	2325		23	0.00	0	0	98	2537		23	0.00	0	0	39	2017
FEB 15	0	0.00	0	0	78	2325	FEB 17	0	0.00	0	0	75	2502	FEB 19	0	0.00	0	0	39	2017
	1	0.02	0	0	78	2273		1	0.00	0	0	75	2466		1	0.00	0	0	39	2017
	2	0.03	0	16	228	2307		2	0.00	0	0	75	2360		2	0.00	0	0	39	2017
	3	0.00	0	10	191	3346		3	0.00	0	0	75	2325		3	0.00	0	0	39	1951
	4	0.00	0	0	126	3504		4	0.00	0	0	75	2325		4	0.00	0	0	39	2068
	5	0.01	0	0	114	2961		5	0.00	0	0	75	2325		5	0.00	0	0	39	2068
	6	0.00	0	0	128	2737		6	0.00	0	0	75	2325		6	0.00	0	0	39	2152
	7	0.00	0	0	127	2774		7	0.00	0	0	75	2325		7	0.00	0	0	39	2152
	8	0.01	0	0	115	2905		8	0.00	0	0	75	2325		8	0.00	0	0	39	2152
	9	0.00	0	0	113	2905		9	0.00	0	0	75	2325		9	0.00	0	0	39	2152
	10	0.00	0	0	76	2905		10	0.00	0	0	75	2325		10	0.00	0	0	39	2204
	11	0.00	0	0	76	2867		11	0.00	0	0	75	2325		11	0.00	0	0	39	2325
	12	0.00	0	0	78	2848		12	0.00	0	0	75	2325		12	0.00	0	0	39	2325
	13	0.02	0	0	76	2519		13	0.00	0	0	75	2325		13	0.00	0	0	39	2325
	14	0.01	0	10	109	2519		14	0.01	0	0	80	2325		14	0.00	0	0	39	2325
	15	0.00	0	0	114	2848		15	0.00	0	0	71	2342		15	0.00	0	0	39	2342
	16	0.00	0	0	86	2682		16	0.00	0	0	55	2360		16	0.00	0	0	39	2360
	17	0.00	0	0	72	2655		17	0.00	0	0	75	2360		17	0.00	0	0	39	2360
	18	0.00	0	0	72	2668		18	0.00	0	0	75	2325		18	0.00	0	0	39	2466
	19	0.00	0	0	72	2658		19	0.00	0	0	75	2255		19	0.00	0	0	39	2413
	20	0.00	0	0	72	2658		20	0.00	0	0	75	2186		20	0.00	0	0	39	2152
	21	0.00	0	0	75	2658		21	0.00	0	0	75	2290		21	0.00	0	0	12	2152
	22	0.00	0	0	78	2656		22	0.00	0	0	78	2325		22	0.00	0	0	9	2152
	23	0.00	0	0	78	2641		23	0.00	0	0	57	2255		23	0.00	0	0	8	2152



HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
FEB 20	0	0.00	0	0	8	2152	FEB 22	0	0.00	0	0	5	1661	FEB 24	0	0.00	0	0	0	1047
	1	0.00	0	0	8	2152		1	0.00	0	0	5	1661		1	0.00	0	0	0	1033
	2	0.00	0	0	8	2186		2	0.00	0	0	7	1693		2	0.00	0	0	0	1020
	3	0.00	0	0	8	2118		3	0.00	0	0	6	1630		3	0.00	0	0	0	1020
	4	0.00	0	0	8	2085		4	0.00	0	0	3	1630		4	0.00	0	0	0	1020
	5	0.00	0	0	8	2017		5	0.00	0	0	7	1630		5	0.00	0	0	0	1020
	6	0.01	0	0	8	2017		6	0.00	0	0	7	1630		6	0.00	0	0	0	993
	7	0.00	0	0	8	2017		7	0.00	0	0	0	1630		7	0.00	0	0	0	889
	8	0.00	0	0	8	2051		8	0.00	0	0	0	1630		8	0.01	0	0	0	863
	9	0.00	0	0	8	2051		9	0.00	0	0	0	1630		9	0.04	0	0	31	863
	10	0.00	0	0	8	2118		10	0.00	0	0	0	1661		10	0.03	0	0	36	863
	11	0.00	0	0	8	2152		11	0.00	0	0	0	1661		11	0.01	0	0	70	838
	12	0.00	0	0	8	2152		12	0.00	0	0	0	1661		12	0.00	0	0	54	813
	13	0.00	0	0	8	2152		13	0.00	0	0	0	1661		13	0.00	0	0	39	1417
	14	0.00	0	0	8	2152		14	0.00	0	0	0	1661		14	0.01	0	0	39	2034
	15	0.00	0	0	8	2169		15	0.00	0	0	0	1661		15	0.00	0	0	39	2085
	16	0.00	0	0	8	2152		16	0.00	0	0	0	1661		16	0.00	0	0	36	2001
	17	0.00	0	0	8	2034		17	0.00	0	0	0	1661		17	0.00	0	0	36	2068
	18	0.00	0	0	8	1984		18	0.00	0	0	0	1677		18	0.00	0	0	36	1869
	19	0.00	0	0	8	1984		19	0.00	0	0	0	1630		19	0.00	0	0	18	1772
	20	0.00	0	0	8	1984		20	0.00	0	0	0	1630		20	0.00	0	0	0	1630
	21	0.00	0	0	8	1984		21	0.00	0	0	0	1630		21	0.00	0	0	0	1630
	22	0.00	0	0	8	1984		22	0.00	0	0	0	1630		22	0.00	0	0	0	1630
	23	0.00	0	0	8	1984		23	0.00	0	0	0	1630		23	0.00	0	0	0	1661
FEB 21	0	0.00	0	0	8	1984	FEB 23	0	0.00	0	0	0	1630	FEB 25	0	0.00	0	0	0	1661
	1	0.00	0	0	8	1984		1	0.00	0	0	0	1630		1	0.00	0	0	0	1614
	2	0.00	0	0	8	1984		2	0.00	0	0	0	1492		2	0.00	0	0	0	1568
	3	0.00	0	0	8	1984		3	0.00	0	0	0	1185		3	0.00	0	0	0	1507
	4	0.00	0	0	8	1984		4	0.00	0	0	0	1171		4	0.00	0	0	0	1507
	5	0.00	0	0	8	1984		5	0.00	0	0	0	1143		5	0.00	0	0	0	1507
	6	0.00	0	0	8	1984		6	0.00	0	0	0	1101		6	0.00	0	0	0	1507
	7	0.00	0	0	8	1984		7	0.00	0	0	0	1047		7	0.00	0	0	0	1477
	8	0.00	0	0	8	1984		8	0.00	0	0	0	1047		8	0.00	0	0	0	1477
	9	0.00	0	0	8	1984		9	0.00	0	0	0	1047		9	0.00	0	0	0	1477
	10	0.00	0	0	8	1984		10	0.00	0	0	0	1047		10	0.00	0	0	0	1477
	11	0.00	0	0	8	1984		11	0.00	0	0	0	1060		11	0.00	0	0	0	1477
	12	0.00	0	0	6	1984		12	0.00	0	0	0	1074		12	0.00	0	0	0	1477
	13	0.00	0	0	6	1984		13	0.00	0	0	0	1143		13	0.00	0	0	0	1477
	14	0.00	0	0	6	1951		14	0.00	0	0	0	1171		14	0.00	0	0	0	1477
	15	0.00	0	0	6	1756		15	0.00	0	0	0	1185		15	0.03	0	0	0	1507
	16	0.00	0	0	6	1661		16	0.00	0	0	0	1047		16	0.00	0	0	27	1537
	17	0.00	0	0	9	1661		17	0.00	0	0	0	1047		17	0.00	0	0	0	1756
	18	0.00	0	0	9	1661		18	0.00	0	0	0	1047		18	0.00	0	0	0	1788
	19	0.00	0	0	9	1661		19	0.00	0	0	0	1047		19	0.00	0	0	0	1661
	20	0.00	0	0	9	1661		20	0.00	0	0	0	1047		20	0.00	0	0	0	1646
	21	0.00	0	0	9	1661		21	0.00	0	0	0	1047		21	0.00	0	0	0	1599
	22	0.00	0	0	5	1661		22	0.00	0	0	0	1047		22	0.00	0	0	0	1507
	23	0.00	0	0	8	1661		23	0.00	0	0	0	1047		23	0.00	0	0	0	1507

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
FEB 26	0	0.00	0	0	0	1507	FEB 28	0	0.00	0	0	0	1328	MAR 2	0	0.00	0	0	0	1185
	1	0.00	0	0	0	1477		1	0.00	0	0	0	1328		1	0.00	0	0	0	1185
	2	0.01	0	0	0	1477		2	0.00	0	0	0	1328		2	0.00	0	0	0	1185
	3	0.00	0	0	0	1477		3	0.00	0	0	0	1328		3	0.00	0	0	0	1185
	4	0.00	0	0	0	1507		4	0.00	0	0	0	1328		4	0.00	0	0	0	1185
	5	0.00	0	0	0	1646		5	0.00	0	0	0	1328		5	0.00	0	0	0	1185
	6	0.00	0	0	0	1614		6	0.00	0	0	0	1328		6	0.00	0	0	0	1185
	7	0.00	0	0	0	1477		7	0.00	0	0	0	1357		7	0.00	0	0	0	1185
	8	0.00	0	0	0	1477		8	0.00	0	0	0	1357		8	0.00	0	0	0	1185
	9	0.00	0	0	0	1477		9	0.00	0	0	0	1357		9	0.00	0	0	0	1185
	10	0.00	0	0	0	1477		10	0.00	0	0	0	1328		10	0.00	0	0	0	1185
	11	0.00	0	0	0	1477		11	0.00	0	0	0	1328		11	0.00	0	0	0	1185
	12	0.00	0	0	0	1477		12	0.00	0	0	0	1328		12	0.00	0	0	0	1199
	13	0.00	0	0	0	1477		13	0.00	0	0	0	1328		13	0.00	0	0	0	1185
	14	0.02	0	0	0	1492		14	0.00	0	0	0	1328		14	0.00	0	0	0	1185
	15	0.00	0	0	0	1507		15	0.00	0	0	0	1328		15	0.00	0	0	0	1185
	16	0.02	0	0	0	1507		16	0.00	0	0	0	1328		16	0.00	0	0	0	1185
	17	0.01	0	0	0	1507		17	0.00	0	0	0	1328		17	0.00	0	0	0	1185
	18	0.00	0	0	0	1568		18	0.00	0	0	0	1328		18	0.00	0	0	0	1185
	19	0.00	0	0	0	1630		19	0.00	0	0	0	1328		19	0.00	0	0	0	1185
	20	0.00	0	0	0	1661		20	0.00	0	0	0	1328		20	0.00	0	0	0	1185
	21	0.00	0	0	0	1568		21	0.00	0	0	0	1328		21	0.00	0	0	0	1185
	22	0.00	0	0	0	1477		22	0.00	0	0	0	1328		22	0.00	0	0	0	1184
	23	0.00	0	0	0	1477		23	0.00	0	0	0	1328		23	0.00	0	0	0	1184
FEB 27	0	0.00	0	0	0	1477	MAR 1	0	0.00	0	0	0	1343	MAR 3	0	0.00	0	0	0	1157
	1	0.00	0	0	0	1477		1	0.00	0	0	0	1357		1	0.00	0	0	0	1040
	2	0.00	0	0	0	1477		2	0.00	0	0	0	1357		2	0.00	0	0	0	1047
	3	0.00	0	0	0	1477		3	0.00	0	0	0	1357		3	0.00	0	0	0	1047
	4	0.00	0	0	0	1477		4	0.00	0	0	0	1227		4	0.00	0	0	0	1047
	5	0.00	0	0	0	1477		5	0.00	0	0	0	1299		5	0.00	0	0	0	1047
	6	0.00	0	0	0	1477		6	0.00	0	0	0	1299		6	0.00	0	0	0	1047
	7	0.00	0	0	0	1507		7	0.00	0	0	0	1299		7	0.00	0	0	0	1047
	8	0.00	0	0	0	1507		8	0.00	0	0	0	1227		8	0.00	0	0	0	1047
	9	0.00	0	0	0	1507		9	0.00	0	0	0	1199		9	0.02	0	0	0	1047
	10	0.00	0	0	0	1507		10	0.00	0	0	0	1185		10	0.00	0	0	0	1047
	11	0.00	0	0	0	1507		11	0.00	0	0	0	1185		11	0.00	0	0	0	1047
	12	0.00	0	0	0	1477		12	0.00	0	0	0	1285		12	0.00	0	0	0	1020
	13	0.00	0	0	0	1477		13	0.00	0	0	0	1185		13	0.00	0	0	0	1020
	14	0.00	0	0	0	1477		14	0.00	0	0	0	1185		14	0.00	0	0	0	1047
	15	0.00	0	0	0	1477		15	0.00	0	0	0	1185		15	0.00	0	0	0	1047
	16	0.00	0	0	0	1507		16	0.00	0	0	0	1185		16	0.00	0	0	0	1047
	17	0.00	0	0	0	1417		17	0.00	0	0	0	1185		17	0.01	0	0	0	1047
	18	0.00	0	0	0	1328		18	0.00	0	0	0	1185		18	0.00	0	0	0	1047
	19	0.00	0	0	0	1328		19	0.00	0	0	0	1185		19	0.00	0	0	0	1020
	20	0.00	0	0	0	1328		20	0.00	0	0	0	1185		20	0.00	0	0	0	1157
	21	0.00	0	0	0	1328		21	0.00	0	0	0	1185		21	0.00	0	0	0	1185
	22	0.00	0	0	0	1328		22	0.00	0	0	0	1185		22	0.00	0	0	0	1185
	23	0.00	0	0	0	1328		23	0.00	0	0	0	1185		23	0.00	0	0	0	1185

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----			
MAR	4	0	0.00	0	0	0	1185	MAR	6	0	0.00	0	0	0	914	MAR	8	0	0.00	0	0	0	2101
	1	0.00	0	0	0	0	1185		1	0.00	0	0	0	914		1	0.00	0	0	0	0	1984	
	2	0.00	0	0	0	0	1185		2	0.00	0	0	0	914		2	0.00	0	0	0	0	1951	
	3	0.00	0	0	0	0	1185		3	0.00	0	0	0	902		3	0.00	0	0	0	0	1820	
	4	0.00	0	0	0	0	1185		4	0.00	0	0	0	889		4	0.00	0	0	0	0	1820	
	5	0.03	0	0	0	0	1185		5	0.00	0	0	0	889		5	0.00	0	0	0	0	1820	
	6	0.03	0	0	0	0	1270		6	0.00	0	0	0	914		6	0.01	0	0	0	0	1788	
	7	0.01	0	0	0	0	1462		7	0.00	0	0	0	940		7	0.01	0	0	0	0	1820	
	8	0.01	0	0	0	0	1820		8	0.00	0	0	0	940		8	0.00	0	0	0	0	1853	
	9	0.00	0	0	0	0	1804		9	0.00	0	0	0	967		9	0.00	0	0	0	0	2152	
	10	0.00	0	0	0	0	2118		10	0.00	0	0	0	940		10	0.00	0	0	0	0	2034	
	11	0.00	0	0	0	0	1853		11	0.00	0	0	0	914		11	0.00	0	0	0	0	1984	
	12	0.00	0	0	0	0	1646		12	0.00	0	0	0	920		12	0.00	0	0	0	0	1968	
	13	0.00	0	0	0	0	1492		13	0.00	0	0	0	917		13	0.00	0	0	0	0	1820	
	14	0.00	0	0	0	0	1432		14	0.00	0	0	0	917		14	0.00	0	0	0	0	1820	
	15	0.00	0	0	0	0	1328		15	0.00	0	0	0	917		15	0.00	0	0	0	0	1820	
	16	0.00	0	0	0	0	1328		16	0.00	0	0	-1	889		16	0.00	0	0	0	0	1820	
	17	0.00	0	0	0	0	1328		17	0.00	0	0	-1	914		17	0.00	0	0	0	0	1788	
	18	0.00	0	0	0	0	1328		18	0.02	0	0	-1	914		18	0.00	0	0	0	0	1788	
	19	0.00	0	0	0	0	1199		19	0.00	0	0	-1	980		19	0.00	0	0	0	0	1788	
	20	0.00	0	0	0	0	1185		20	0.01	0	0	-1	1047		20	0.00	0	0	0	0	1788	
	21	0.00	0	0	0	0	1185		21	0.01	0	0	-1	1185		21	0.00	0	0	0	0	1788	
	22	0.00	0	0	0	0	1185		22	0.01	0	0	-1	1185		22	0.00	0	0	0	0	1804	
	23	0.00	0	0	0	0	1185		23	0.00	0	0	-1	1270		23	0.00	0	0	0	0	1820	
MAR	5	0	0.00	0	0	0	1185	MAR	7	0	0.01	0	0	-1	1328	MAR	9	0	0.00	0	0	0	1820
	1	0.00	0	0	0	0	1185		1	0.00	0	0	-1	1328		1	0.00	0	0	0	0	1820	
	2	0.00	0	0	0	0	1185		2	0.00	0	0	-1	1328		2	0.00	0	0	0	0	1820	
	3	0.00	0	0	0	0	1185		3	0.01	0	0	-1	1328		3	0.00	0	0	0	0	1820	
	4	0.00	0	0	0	0	1185		4	0.01	0	0	-1	1343		4	0.00	0	0	0	0	1820	
	5	0.00	0	0	0	0	1185		5	0.00	0	0	-1	1477		5	0.00	0	0	0	0	1820	
	6	0.00	0	0	0	0	1185		6	0.00	0	0	-1	1477		6	0.00	0	0	0	0	1820	
	7	0.00	0	0	0	0	1185		7	0.01	0	0	-1	1477		7	0.00	0	0	0	0	1522	
	8	0.00	0	0	0	0	1185		8	0.01	0	0	-1	1477		8	0.00	0	0	0	0	1477	
	9	0.00	0	0	0	0	1185		9	0.00	0	0	-1	1477		9	0.00	0	0	0	0	1477	
	10	0.00	0	0	0	0	1185		10	0.00	0	0	-1	1507		10	0.00	0	0	0	0	1492	
	11	0.00	0	0	0	0	1185		11	0.01	0	0	-1	1507		11	0.00	0	0	0	0	1432	
	12	0.00	0	0	0	0	1185		12	0.00	0	0	-1	1507		12	0.00	0	0	0	0	1357	
	13	0.00	0	0	0	0	1115		13	0.01	0	0	-1	1387		13	0.00	0	0	0	0	1357	
	14	0.00	0	0	0	0	1185		14	0.01	0	0	-1	1537		14	0.00	0	0	0	0	1357	
	15	0.00	0	0	0	0	1143		15	0.00	0	0	-1	1492		15	0.00	0	0	0	0	1357	
	16	0.00	0	0	0	0	1047		16	0.02	0	0	-1	1630		16	0.00	0	0	0	0	1328	
	17	0.00	0	0	0	0	1033		17	0.03	0	0	-1	1677		17	0.00	0	0	0	0	1328	
	18	0.00	0	0	0	0	940		18	0.09	0	0	-1	2135		18	0.00	0	0	0	0	1328	
	19	0.00	0	0	0	0	914		19	0.00	0	0	-1	5028		19	0.00	0	0	0	0	1328	
	20	0.00	0	0	0	0	914		20	0.00	0	0	-1	3425		20	0.00	0	0	0	0	1328	
	21	0.00	0	0	0	0	914		21	0.00	0	0	-1	3056		21	0.00	0	0	0	0	1328	
	22	0.00	0	0	0	0	914		22	0.00	0	0	-1	2591		22	0.00	0	0	0	0	1328	
	23	0.00	0	0	0	0	914		23	0.00	0	0	-1	2307		23	0.00	0	0	0	0	1328	

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
MAR 10	0	0.00	0	0	0	1328	MAR 12	0	0.00	0	0	0	644	MAR 14	0	0.00	0	0	0	763
	1	0.00	0	0	0	1328		1	0.00	0	0	0	633		1	0.00	0	0	0	763
	2	0.00	0	0	0	1328		2	0.00	0	0	0	621		2	0.00	0	0	0	763
	3	0.00	0	0	0	1328		3	0.00	0	0	0	621		3	0.00	0	0	0	763
	4	0.00	0	0	0	1328		4	0.00	0	0	0	554		4	0.00	0	0	0	763
	5	0.00	0	0	0	1328		5	0.00	0	0	0	468		5	0.00	0	0	0	763
	6	0.00	0	0	0	1328		6	0.00	0	0	0	417		6	0.00	0	0	0	763
	7	0.00	0	0	0	1328		7	0.00	0	0	0	407		7	0.00	0	0	0	763
	8	0.00	0	0	0	1328		8	0.00	0	0	0	407		8	0.00	0	0	0	763
	9	0.00	0	0	0	1328		9	0.00	0	0	0	407		9	0.00	0	0	0	763
	10	0.00	0	0	0	1357		10	0.00	0	0	0	437		10	0.00	0	0	0	763
	11	0.00	0	0	0	1343		11	0.00	0	0	0	532		11	0.00	0	0	0	763
	12	0.00	0	0	0	1328		12	0.90	0	0	0	621		12	0.00	0	0	0	763
	13	0.00	0	0	0	1328		13	0.00	0	0	0	644		13	0.00	0	0	0	763
	14	0.00	0	0	0	1328		14	0.00	0	0	0	679		14	0.00	0	0	0	776
	15	0.00	0	0	0	1328		15	0.00	0	0	0	644		15	0.00	0	0	0	788
	16	0.00	0	0	0	1328		16	0.00	0	0	0	644		16	0.00	0	0	0	788
	17	0.00	0	0	0	1328		17	0.00	0	0	0	644		17	0.00	0	0	0	788
	18	0.00	0	0	0	1328		18	0.00	0	0	0	644		18	0.00	0	0	0	788
	19	0.00	0	0	0	1213		19	0.00	0	0	0	668		19	0.00	0	0	0	788
	20	0.00	0	0	0	1199		20	0.00	0	0	0	691		20	0.00	0	0	0	788
	21	0.00	0	0	0	1328		21	0.00	0	0	0	763		21	0.00	0	0	0	788
	22	0.00	0	0	0	1328		22	0.00	0	0	0	788		22	0.00	0	0	0	788
	23	0.00	0	0	0	1328		23	0.00	0	0	0	788		23	0.00	0	0	0	788
MAR 11	0	0.00	0	0	0	1328	MAR 13	0	0.00	0	0	0	788	MAR 15	0	0.00	0	0	0	788
	1	0.00	0	0	0	1328		1	0.02	0	0	0	763		1	0.00	0	0	0	788
	2	0.00	0	0	0	1328		2	0.01	0	0	0	763		2	0.00	0	0	0	788
	3	0.00	0	0	0	1328		3	0.01	0	0	0	763		3	0.00	0	0	0	788
	4	0.00	0	0	0	1299		4	0.00	0	0	0	889		4	0.00	0	0	0	788
	5	0.00	0	0	0	1242		5	0.00	0	0	0	902		5	0.00	0	0	0	788
	6	0.01	0	0	0	1270		6	0.00	0	0	0	914		6	0.00	0	0	0	715
	7	0.00	0	0	0	1357		7	0.00	0	0	0	838		7	0.00	0	0	0	751
	8	0.02	0	0	0	1328		8	0.00	0	0	0	763		8	0.00	0	0	0	763
	9	0.01	0	0	0	1328		9	0.00	0	0	0	776		9	0.00	0	0	0	776
	10	0.00	0	0	0	1328		10	0.01	0	0	0	788		10	0.00	0	0	0	788
	11	0.00	0	0	0	1328		11	0.00	0	0	0	889		11	0.00	0	0	0	516
	12	0.01	0	0	0	1328		12	0.00	0	0	0	914		12	0.01	0	0	0	516
	13	0.00	0	0	0	1328		13	0.01	0	0	0	914		13	0.00	0	0	0	788
	14	0.00	0	0	0	1328		14	0.00	0	0	0	902		14	0.00	0	0	0	788
	15	0.00	0	0	0	1328		15	0.00	0	0	0	889		15	0.00	0	0	0	763
	16	0.00	0	0	0	1328		16	0.00	0	0	0	825		16	0.00	0	0	0	763
	17	0.00	0	0	0	1328		17	0.00	0	0	0	788		17	0.00	0	0	0	703
	18	0.00	0	0	0	1357		18	0.00	0	0	0	788		18	0.00	0	0	0	644
	19	0.00	0	0	0	1357		19	0.00	0	0	0	788		19	0.00	0	0	0	644
	20	0.00	0	0	0	1129		20	0.00	0	0	0	763		20	0.00	0	0	0	644
	21	0.00	0	0	0	776		21	0.00	0	0	0	763		21	0.00	0	0	0	668
	22	0.00	0	0	0	715		22	0.00	0	0	0	763		22	0.00	0	0	0	691
	23	0.00	0	0	0	656		23	0.00	0	0	0	763		23	0.00	0	0	0	727

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HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1
MAR 16	0	0.00	0	0	0	763	MAR 18	0	0.00	0	0	0	510	MAR 20	0	0.00	0	0	0	427
	1	0.00	0	0	0	763		1	0.00	0	0	0	532		1	0.00	0	0	0	427
	2	0.00	0	0	0	763		2	0.00	0	0	0	532		2	0.00	0	0	0	427
	3	0.00	0	0	0	763		3	0.00	0	0	0	532		3	0.00	0	0	0	427
	4	0.00	0	0	0	763		4	0.00	0	0	0	532		4	0.00	0	0	0	427
	5	0.00	0	0	0	763		5	0.00	0	0	0	532		5	0.00	0	0	0	427
	6	0.00	0	0	0	776		6	0.00	0	0	0	532		6	0.00	0	0	0	427
	7	0.00	0	0	0	788		7	0.00	0	0	0	532		7	0.00	0	0	0	427
	8	0.00	0	0	0	788		8	0.00	0	0	0	543		8	0.00	0	0	0	407
	9	0.00	0	0	0	788		9	0.00	0	0	0	554		9	0.00	0	0	0	397
	10	0.00	0	0	0	788		10	0.00	0	0	0	427		10	0.00	0	0	0	377
	11	0.00	0	0	0	788		11	0.00	0	0	0	510		11	0.00	0	0	0	447
	12	0.00	0	0	0	788		12	0.00	0	0	0	521		12	0.00	0	0	0	447
	13	0.00	0	0	0	788		13	0.00	0	0	0	500		13	0.00	0	0	0	447
	14	0.00	0	0	0	788		14	0.00	0	0	0	468		14	0.00	0	0	0	447
	15	0.00	0	0	0	788		15	0.00	0	0	0	468		15	0.00	0	0	0	447
	16	0.00	0	0	0	788		16	0.00	0	0	0	468		16	0.00	0	0	0	458
	17	0.00	0	0	0	788		17	0.00	0	0	0	468		17	0.00	0	0	0	407
	18	0.00	0	0	0	788		18	0.00	0	0	0	468		18	0.00	0	0	0	329
	19	0.00	0	0	0	788		19	0.00	0	0	0	468		19	0.00	0	0	0	311
	20	0.00	0	0	0	788		20	0.00	0	0	0	468		20	0.00	0	0	0	311
	21	0.00	0	0	0	788		21	0.00	0	0	0	468		21	0.00	0	0	0	293
	22	0.00	0	0	0	788		22	0.00	0	0	0	468		22	0.00	0	0	0	257
	23	0.00	0	0	0	788		23	0.00	0	0	0	468		23	0.00	0	0	0	240
MAR 17	0	0.00	0	0	0	788	MAR 19	0	0.00	0	0	0	468	MAR 21	0	0.00	0	0	0	329
	1	0.00	0	0	0	788		1	0.00	0	0	0	468		1	0.00	0	0	0	329
	2	0.00	0	0	0	788		2	0.00	0	0	0	468		2	0.00	0	0	0	329
	3	0.00	0	0	0	788		3	0.00	0	0	0	468		3	0.00	0	0	0	339
	4	0.00	0	0	0	788		4	0.00	0	0	0	468		4	0.00	0	0	0	358
	5	0.00	0	0	0	788		5	0.00	0	0	0	468		5	0.00	0	0	0	427
	6	0.00	0	0	0	788		6	0.00	0	0	0	468		6	0.00	0	0	0	427
	7	0.00	0	0	0	788		7	0.00	0	0	0	468		7	0.00	0	0	0	427
	8	0.00	0	0	0	788		8	0.00	0	0	0	468		8	0.00	0	0	0	427
	9	0.00	0	0	0	788		9	0.00	0	0	0	468		9	0.00	0	0	0	427
	10	0.00	0	0	0	788		10	0.00	0	0	0	468		10	0.00	0	0	0	427
	11	0.00	0	0	0	788		11	0.00	0	0	0	468		11	0.00	0	0	0	427
	12	0.01	0	0	0	739		12	0.00	0	0	0	468		12	0.00	0	0	0	437
	13	0.00	0	0	0	532		13	0.00	0	0	0	447		13	0.00	0	0	0	447
	14	0.00	0	0	0	532		14	0.00	0	0	0	447		14	0.00	0	0	0	489
	15	0.00	0	0	0	532		15	0.00	0	0	0	447		15	0.00	0	0	0	489
	16	0.00	0	0	0	543		16	0.00	0	0	0	447		16	0.00	0	0	0	489
	17	0.00	0	0	0	447		17	0.00	0	0	0	447		17	0.00	0	0	0	489
	18	0.00	0	0	0	427		18	0.00	0	0	0	447		18	0.00	0	0	0	468
	19	0.00	0	0	0	427		19	0.00	0	0	0	447		19	0.00	0	0	0	489
	20	0.00	0	0	0	427		20	0.00	0	0	0	427		20	0.00	0	0	0	489
	21	0.00	0	0	0	427		21	0.00	0	0	0	427		21	0.00	0	0	0	468
	22	0.00	0	0	0	427		22	0.00	0	0	0	427		22	0.00	0	0	0	468
	23	0.00	0	0	0	447		23	0.00	0	0	0	427		23	0.00	0	0	0	468

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----
MAR 22	0	0.00	0	0	0	468	MAR 24	0	0.00	0	0	0	889	MAR 26	0	0.00	0	0	0	621
	1	0.00	0	0	0	468		1	0.01	0	0	0	825		1	0.00	0	0	0	599
	2	0.00	0	0	0	468		2	0.00	0	0	0	788		2	0.00	0	0	0	599
	3	0.00	0	0	0	468		3	0.00	0	0	0	727		3	0.00	0	0	0	587
	4	0.00	0	0	0	468		4	0.00	0	0	0	703		4	0.00	0	0	0	576
	5	0.00	0	0	0	447		5	0.00	0	0	0	668		5	0.00	0	0	0	565
	6	0.00	0	0	0	447		6	0.00	0	0	0	587		6	0.00	0	0	0	554
	7	0.00	0	0	0	447		7	0.00	0	0	0	554		7	0.00	0	0	0	554
	8	0.00	0	0	0	447		8	0.00	0	0	0	358		8	0.00	0	0	0	554
	9	0.00	0	0	0	447		9	0.00	0	0	0	249		9	0.00	0	0	0	554
	10	0.00	0	0	0	447		10	0.00	0	0	0	358		10	0.00	0	0	0	532
	11	0.00	0	0	0	447		11	0.00	0	0	0	850		11	0.00	0	0	0	532
	12	0.00	0	0	0	447		12	0.00	0	0	0	800		12	0.00	0	0	0	532
	13	0.00	0	0	0	447		13	0.00	0	0	0	788		13	0.00	0	0	0	532
	14	0.00	0	0	0	447		14	0.00	0	0	0	727		14	0.00	0	0	0	532
	15	0.00	0	0	0	458		15	0.00	0	0	0	763		15	0.00	0	0	0	532
	16	0.00	0	0	0	400		16	0.00	0	0	0	776		16	0.00	0	0	0	532
	17	0.00	0	0	0	410		17	0.03	0	0	0	788		17	0.00	0	0	0	532
	18	0.00	0	0	0	410		18	0.03	0	0	0	788		18	0.00	0	0	0	532
	19	0.00	0	0	0	332		19	0.01	0	0	0	876		19	0.00	0	0	0	532
	20	0.00	0	0	0	332		20	0.00	0	0	0	1256		20	0.00	0	0	0	532
	21	0.00	0	0	0	332		21	0.00	0	0	0	1387		21	0.00	0	0	0	532
	22	0.00	0	0	0	332		22	0.90	0	0	0	1213		22	0.00	0	0	0	532
	23	0.00	0	0	0	334		23	0.00	0	0	0	1060		23	0.00	0	0	0	532
MAR 23	0	0.00	0	0	0	334	MAR 25	0	0.00	0	0	0	1007	MAR 27	0	0.00	0	0	0	532
	1	0.00	0	0	0	334		1	0.00	0	0	0	927		1	0.00	0	0	0	532
	2	0.00	0	0	0	334		2	0.00	0	0	0	838		2	0.00	0	0	0	532
	3	0.00	0	0	0	334		3	0.00	0	0	0	656		3	0.00	0	0	0	532
	4	0.00	0	0	0	326		4	0.00	0	0	0	644		4	0.00	0	0	0	532
	5	0.11	0	0	0	376		5	0.00	0	0	0	644		5	0.00	0	0	0	532
	6	0.13	0	0	0	499		6	0.00	0	0	0	644		6	0.00	0	0	0	532
	7	0.01	0	0	0	633		7	0.00	0	0	0	565		7	0.00	0	0	0	532
	8	0.00	0	0	0	644		8	0.00	0	0	0	554		8	0.00	0	0	0	532
	9	0.01	0	0	0	668		9	0.00	0	0	0	543		9	0.00	0	0	0	532
	10	0.01	0	0	0	751		10	0.00	0	0	0	532		10	0.00	0	0	0	532
	11	0.07	0	0	0	902		11	0.01	0	0	0	532		11	0.00	0	0	0	532
	12	0.02	0	0	0	1646		12	0.00	0	0	0	656		12	0.00	0	0	0	532
	13	0.00	0	0	0	2591		13	0.00	0	0	0	763		13	0.00	0	0	0	532
	14	0.05	0	0	0	1984		14	0.00	0	0	0	691		14	0.00	0	0	0	532
	15	0.01	0	0	0	1568		15	0.00	0	0	0	644		15	0.00	0	0	0	532
	16	0.01	0	0	0	2325		16	0.00	0	0	0	644		16	0.00	0	0	0	532
	17	0.01	0	0	0	1951		17	0.00	0	0	0	644		17	0.00	0	0	0	532
	18	0.02	0	0	0	1820		18	0.00	0	0	0	644		18	0.00	0	0	0	532
	19	0.01	0	0	0	1630		19	0.00	0	0	0	644		19	0.00	0	0	0	532
	20	0.00	0	0	0	1242		20	0.00	0	0	0	644		20	0.00	0	0	0	532
	21	0.00	0	0	0	1129		21	0.00	0	0	0	656		21	0.00	0	0	0	532
	22	0.01	0	0	0	1033		22	0.00	0	0	0	668		22	0.00	0	0	0	532
	23	0.00	0	0	0	954		23	0.00	0	0	0	644		23	0.00	0	0	0	532

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1
MAR 28	0	0.00	0	0	0	532	MAR 30	0	0.00	0	0	0	644	APR 1	0	0.00	0	0	0	367
	1	0.00	0	0	0	532		1	0.00	0	0	0	644		1	0.00	0	0	0	358
	2	0.00	0	0	0	532		2	0.00	0	0	0	644		2	0.00	0	0	0	348
	3	0.00	0	0	0	532		3	0.00	0	0	0	644		3	0.00	0	0	0	348
	4	0.00	0	0	0	532		4	0.00	0	0	0	644		4	0.00	0	0	0	348
	5	0.00	0	0	0	532		5	0.00	0	0	0	644		5	0.00	0	0	0	329
	6	0.00	0	0	0	532		6	0.00	0	0	0	621		6	0.00	0	0	0	329
	7	0.00	0	0	0	532		7	0.00	0	0	0	668		7	0.00	0	0	0	407
	8	0.00	0	0	0	532		8	0.00	0	0	0	668		8	0.00	0	0	0	427
	9	0.00	0	0	0	532		9	0.00	0	0	0	610		9	0.00	0	0	0	427
	10	0.00	0	0	0	532		10	0.00	0	0	0	554		10	0.00	0	0	0	427
	11	0.00	0	0	0	532		11	0.00	0	0	0	532		11	0.00	0	0	0	427
	12	0.00	0	0	0	532		12	0.00	0	0	0	532		12	0.01	0	0	0	427
	13	0.00	0	0	0	532		13	0.00	0	0	0	532		13	0.02	0	0	0	447
	14	0.00	0	0	0	532		14	0.00	0	0	0	532		14	0.05	0	0	0	417
	15	0.00	0	0	0	532		15	0.00	0	0	0	532		15	0.05	0	0	0	532
	16	0.00	0	0	0	532		16	0.00	0	0	0	532		16	0.02	0	0	0	576
	17	0.00	0	0	0	532		17	0.00	0	0	0	532		17	0.02	0	0	0	902
	18	0.00	0	0	0	532		18	0.00	0	0	0	532		18	0.02	0	0	0	1047
	19	0.00	0	0	0	532		19	0.00	0	0	0	532		19	0.00	0	0	0	1185
	20	0.00	0	0	0	532		20	0.00	0	0	0	532		20	0.00	0	0	0	1101
	21	0.00	0	0	0	532		21	0.00	0	0	0	532		21	0.00	0	0	0	1060
	22	0.00	0	0	0	532		22	0.00	0	0	0	532		22	0.00	0	0	0	1020
	23	0.00	0	0	0	532		23	0.00	0	0	0	532		23	0.00	0	0	0	914
MAR 29	0	0.00	0	0	0	532	MAR 31	0	0.00	0	0	0	532	APR 2	0	0.00	0	0	0	825
	1	0.00	0	0	0	532		1	0.00	0	0	0	532		1	0.03	0	0	0	788
	2	0.00	0	0	0	532		2	0.00	0	0	0	532		2	0.01	0	0	0	763
	3	0.00	0	0	0	532		3	0.00	0	0	0	532		3	0.07	0	0	0	863
	4	0.00	0	0	0	532		4	0.00	0	0	0	543		4	0.00	0	0	0	1256
	5	0.00	0	0	0	532		5	0.00	0	0	0	554		5	0.00	0	0	0	2377
	6	0.00	0	0	0	532		6	0.00	0	0	0	554		6	0.00	0	0	0	2135
	7	0.00	0	0	0	532		7	0.00	0	0	0	554		7	0.00	0	0	0	1646
	8	0.00	0	0	0	532		8	0.00	0	0	0	565		8	0.00	0	0	0	1417
	9	0.00	0	0	0	532		9	0.00	0	0	0	610		9	0.00	0	0	0	1343
	10	0.00	0	0	0	532		10	0.00	0	0	0	644		10	0.00	0	0	0	1328
	11	0.00	0	0	0	532		11	0.00	0	0	0	644		11	0.00	0	0	0	1724
	12	0.00	0	0	0	532		12	0.00	0	0	0	656		12	0.00	0	0	0	1447
	13	0.00	0	0	0	532		13	0.00	0	0	0	610		13	0.00	0	0	0	1492
	14	0.00	0	0	0	532		14	0.00	0	0	0	532		14	0.04	0	0	0	954
	15	0.00	0	0	0	532		15	0.00	0	0	0	479		15	0.01	0	0	0	876
	16	0.00	0	0	0	532		16	0.00	0	0	0	427		16	0.00	0	0	0	813
	17	0.00	0	0	0	532		17	0.00	0	0	0	427		17	0.00	0	0	0	1213
	18	0.00	0	0	0	554		18	0.00	0	0	0	427		18	0.00	0	0	0	1185
	19	0.00	0	0	0	554		19	0.00	0	0	0	427		19	0.00	0	0	0	954
	20	0.00	0	0	0	565		20	0.00	0	0	0	427		20	0.00	0	0	0	889
	21	0.00	0	0	0	644		21	0.00	0	0	0	417		21	0.00	0	0	0	776
	22	0.00	0	0	0	644		22	0.00	0	0	0	397		22	0.01	0	0	0	668
	23	0.00	0	0	0	644		23	0.00	0	0	0	377		23	0.01	0	0	0	668

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	
APR	3	0	0.02	0	0	691	APR	5	0	0.00	0	0	532	APR	7	0	0.00	0	0	0	1709
	1	0.01	0	0	0	739		1	0.01	0	0	0	587		1	0.00	0	0	0	0	1757
	2	0.00	0	0	0	813		2	0.13	0	0	0	656		2	0.00	0	0	0	0	1693
	3	0.00	0	0	0	967		3	0.05	0	0	0	739		3	0.00	0	0	0	0	1662
	4	0.00	0	0	0	1033		4	0.01	0	0	0	1185		4	0.00	0	0	0	0	1662
	5	0.00	0	0	0	1033		5	0.00	0	0	0	5254		5	0.00	0	0	0	0	1646
	6	0.00	0	0	0	967		6	0.00	0	0	0	4287		6	0.00	0	0	0	0	1599
	7	0.00	0	0	0	927		7	0.00	0	0	0	3094		7	0.00	0	0	0	0	1477
	8	0.00	0	0	0	914		8	0.00	0	0	0	2520		8	0.00	0	0	0	0	1343
	9	0.00	0	0	0	889		9	0.03	0	0	0	2136		9	0.00	0	0	0	0	1402
	10	0.00	0	0	0	776		10	0.01	0	0	0	1870		10	0.00	0	0	0	0	1432
	11	0.00	0	0	0	703		11	0.03	0	0	0	1678		11	0.00	0	0	0	0	1271
	12	0.00	0	0	0	656		12	0.03	0	0	0	1821		12	0.00	0	0	0	0	1285
	13	0.00	0	0	0	489		13	0.00	0	0	0	2325		13	0.00	0	0	0	0	1116
	14	0.00	0	0	0	427		14	0.04	0	0	0	3210		14	0.00	0	0	0	0	788
	15	0.00	0	0	0	427		15	0.00	0	0	0	3665		15	0.00	0	0	0	0	739
	16	0.00	0	0	0	621		16	0.03	0	0	0	3171		16	0.00	0	0	0	0	727
	17	0.00	0	0	0	644		17	0.00	0	0	0	3425		17	0.00	0	0	0	0	656
	18	0.00	0	0	0	644		18	0.00	0	0	0	3366		18	0.00	0	0	0	0	679
	19	0.00	0	0	0	644		19	0.00	0	0	0	4034		19	0.00	0	0	0	0	621
	20	0.00	0	0	0	644		20	0.00	0	0	0	3931		20	0.00	0	0	0	0	599
	21	0.00	0	0	0	668		21	0.00	0	0	0	3405		21	0.00	0	0	0	0	599
	22	0.00	0	0	0	633		22	0.00	0	0	0	3094		22	0.00	0	0	0	0	599
	23	0.00	0	0	0	543		23	0.00	0	0	0	2924		23	0.00	0	0	0	0	576
APR	4	0	0.00	0	0	532	APR	6	0	0.00	0	0	2683	APR	8	0	0.00	0	0	0	554
	1	0.00	0	0	0	532		1	0.00	0	0	0	2574		1	0.00	0	0	0	0	554
	2	0.00	0	0	0	532		2	0.00	0	0	0	2646		2	0.00	0	0	0	0	554
	3	0.00	0	0	0	532		3	0.00	0	0	0	2520		3	0.00	0	0	0	0	543
	4	0.00	0	0	0	532		4	0.00	0	0	0	2520		4	0.00	0	0	0	0	621
	5	0.00	0	0	0	532		5	0.00	0	0	0	2520		5	0.00	0	0	0	0	621
	6	0.00	0	0	0	532		6	0.00	0	0	0	2378		6	0.00	0	0	0	0	479
	7	0.00	0	0	0	532		7	0.00	0	0	0	2378		7	0.00	0	0	0	0	447
	8	0.00	0	0	0	554		8	0.00	0	0	0	2290		8	0.00	0	0	0	0	468
	9	0.00	0	0	0	554		9	0.00	0	0	0	2290		9	0.00	0	0	0	0	427
	10	0.00	0	0	0	510		10	0.00	0	0	0	2239		10	0.00	0	0	0	0	427
	11	0.00	0	0	0	479		11	0.00	0	0	0	2290		11	0.00	0	0	0	0	427
	12	0.00	0	0	0	427		12	0.00	0	0	0	2153		12	0.00	0	0	0	0	427
	13	0.00	0	0	0	427		13	0.00	0	0	0	2170		13	0.00	0	0	0	0	427
	14	0.00	0	0	0	427		14	0.00	0	0	0	2136		14	0.00	0	0	0	0	427
	15	0.00	0	0	0	427		15	0.00	0	0	0	1985		15	0.00	0	0	0	0	427
	16	0.01	0	6	0	427		16	0.00	0	0	0	1968		16	0.00	0	0	0	0	387
	17	0.00	0	0	0	427		17	0.00	0	0	0	1919		17	0.00	0	0	0	0	339
	18	0.00	0	0	0	387		18	0.00	0	0	0	1805		18	0.00	0	0	0	0	329
	19	0.01	0	0	0	367		19	0.00	0	0	0	1805		19	0.00	0	0	0	0	329
	20	0.02	0	0	0	329		20	0.00	0	0	0	1789		20	0.00	0	0	0	0	329
	21	0.01	0	0	0	387		21	0.00	0	0	0	1693		21	0.00	0	0	0	0	329
	22	0.00	0	0	0	427		22	0.00	0	0	0	1773		22	0.00	0	0	0	0	329
	23	0.01	0	0	0	427		23	0.00	0	0	0	1757		23	0.00	0	0	0	0	329



HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
APR 9	0	0.00	0	0	0	329	APR 11	0	0.00	0	0	0	427	APR 13	0	0.00	0	0	0	427
	1	0.00	0	0	0	311		1	0.00	0	0	0	427		1	0.00	0	0	0	427
	2	0.00	0	0	0	348		2	0.00	0	0	0	427		2	0.00	0	0	0	427
	3	0.00	0	0	0	397		3	0.00	0	0	0	427		3	0.00	0	0	0	427
	4	0.00	0	0	0	407		4	0.00	0	0	0	427		4	0.00	0	0	0	427
	5	0.00	0	0	0	407		5	0.00	0	0	0	427		5	0.00	0	0	0	427
	6	0.00	0	0	0	407		6	0.00	0	0	0	427		6	0.00	0	0	0	427
	7	0.00	0	0	0	407		7	0.00	0	0	0	427		7	0.00	0	0	0	427
	8	0.00	0	0	0	427		8	0.00	0	0	0	417		8	0.00	0	0	0	427
	9	0.00	0	0	0	427		9	0.00	0	0	0	407		9	0.00	0	0	0	427
	10	0.00	0	0	0	427		10	0.00	0	0	0	387		10	0.00	0	0	0	427
	11	0.00	0	0	0	427		11	0.00	0	0	0	358		11	0.00	0	0	0	489
	12	0.00	0	0	0	427		12	0.00	0	0	0	500		12	0.00	0	0	0	554
	13	0.00	0	0	0	377		13	0.00	0	0	0	427		13	0.06	0	0	0	532
	14	0.00	0	0	0	348		14	0.00	0	0	0	427		14	0.01	0	0	0	532
	15	0.00	0	0	0	348		15	0.00	0	0	0	427		15	0.06	0	0	0	644
	16	0.00	0	0	0	329		16	0.00	0	0	0	427		16	0.02	0	0	0	788
	17	0.00	0	0	0	329		17	0.00	0	0	0	427		17	0.00	0	0	0	825
	18	0.00	0	0	0	329		18	0.00	0	0	0	427		18	0.00	0	0	0	914
	19	0.00	0	0	0	329		19	0.00	0	0	0	427		19	0.00	0	0	0	1185
	20	0.00	0	0	0	329		20	0.00	0	0	0	427		20	0.00	0	0	0	1328
	21	0.00	0	0	0	329		21	0.00	0	0	0	427		21	0.01	0	0	0	980
	22	0.00	0	0	0	329		22	0.00	0	0	0	427		22	0.02	0	0	0	838
	23	0.00	0	0	0	329		23	0.00	0	0	0	427		23	0.01	0	0	0	776
APR 10	0	0.00	0	0	0	329	APR 12	0	0.00	0	0	0	447	APR 14	0	0.01	0	0	0	876
	1	0.00	0	0	0	329		1	0.00	0	0	0	447		1	0.02	0	0	0	914
	2	0.00	0	0	0	329		2	0.00	0	0	0	447		2	0.02	0	0	0	902
	3	0.00	0	0	0	329		3	0.00	0	0	0	447		3	0.00	0	0	0	914
	4	0.00	0	0	0	329		4	0.00	0	0	0	447		4	0.01	0	0	0	914
	5	0.00	0	0	0	329		5	0.00	0	0	0	479		5	0.00	0	0	0	954
	6	0.00	0	0	0	329		6	0.00	0	0	0	510		6	0.00	0	0	0	1020
	7	0.00	0	0	0	329		7	0.00	0	0	0	489		7	0.00	0	0	0	1047
	8	0.00	0	0	0	329		8	0.00	0	0	0	468		8	0.02	0	0	0	1047
	9	0.00	0	0	0	329		9	0.00	0	0	0	532		9	0.03	0	0	0	1115
	10	0.00	0	0	0	329		10	0.00	0	0	0	532		10	0.01	0	0	0	914
	11	0.00	0	0	0	329		11	0.00	0	0	0	532		11	0.02	0	0	0	1047
	12	0.00	0	0	0	329		12	0.00	0	0	0	510		12	0.01	0	0	0	1242
	13	0.00	0	0	0	397		13	0.00	0	0	0	510		13	0.00	0	0	0	1185
	14	0.00	0	0	0	554		14	0.00	0	0	0	479		14	0.00	0	0	0	1185
	15	0.00	0	0	0	532		15	0.00	0	0	0	311		15	0.00	0	0	0	1299
	16	0.00	0	0	0	521		16	0.00	0	0	0	417		16	0.00	0	0	0	1129
	17	0.00	0	0	0	447		17	0.00	0	0	0	427		17	0.00	0	0	0	1033
	18	0.00	0	0	0	447		18	0.00	0	0	0	468		18	0.00	0	0	0	1007
	19	0.00	0	0	0	447		19	0.00	0	0	0	532		19	0.00	0	0	0	967
	20	0.00	0	0	0	427		20	0.00	0	0	0	479		20	0.00	0	0	0	940
	21	0.00	0	0	0	427		21	0.00	0	0	0	427		21	0.00	0	0	0	927
	22	0.00	0	0	0	427		22	0.00	0	0	0	427		22	0.00	0	0	0	914
	23	0.00	0	0	0	427		23	0.00	0	0	0	427		23	0.01	0	0	0	914

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
APR 15	0	0.00	0	0	0	914	APR 17	0	0.00	0	0	0	914	APR 19	0	0.00	0	0	0	4457
	1	0.00	0	0	0	889		1	0.00	0	0	0	914		1	0.02	0	0	0	4587
	2	0.03	0	0	0	993		2	0.00	0	0	0	914		2	0.03	0	0	0	5118
	3	0.00	0	0	0	1553		3	0.00	0	0	0	914		3	0.00	0	0	0	7441
	4	0.04	0	0	0	1772		4	0.00	0	0	0	914		4	0.01	0	0	0	6816
	5	0.04	0	0	0	1820		5	0.00	0	0	0	914		5	0.00	0	0	0	6137
	6	0.01	0	0	0	2413		6	0.00	0	0	0	914		6	0.00	0	0	0	5853
	7	0.00	0	0	0	3444		7	0.00	0	0	0	914		7	0.00	0	0	0	5435
	8	0.00	0	0	0	2980		8	0.00	0	0	0	889		8	0.01	0	0	0	5050
	9	0.01	0	0	0	2360		9	0.00	0	0	0	889		9	0.00	0	0	0	4806
	10	0.00	0	0	0	2034		10	0.00	0	0	0	889		10	0.00	0	0	0	4784
	11	0.00	0	0	0	1820		11	0.00	0	0	0	863		11	0.00	0	0	0	4784
	12	0.00	0	0	0	1677		12	0.00	0	0	0	656		12	0.00	0	0	0	4565
	13	0.01	0	0	0	1584		13	0.00	0	0	0	644		13	0.05	0	0	0	4522
	14	0.00	0	0	0	1507		14	0.00	0	0	0	656		14	0.01	0	0	0	4916
	15	0.00	0	0	0	1477		15	0.01	0	0	0	751		15	0.00	0	0	0	4740
	16	0.01	0	0	0	1462		16	0.03	0	0	0	763		16	0.01	0	0	0	5924
	17	0.00	0	0	0	1432		17	0.00	0	0	0	788		17	0.01	0	0	0	5527
	18	0.00	0	0	0	1328		18	0.00	0	0	0	825		18	0.00	0	0	0	5597
	19	0.01	0	0	0	1328		19	0.00	0	0	0	914		19	0.00	0	0	0	5481
	20	0.02	0	0	0	1328		20	0.01	0	0	0	914		20	0.00	0	0	0	4894
	21	0.00	0	0	0	1343		21	0.02	0	0	0	902		21	0.00	0	0	0	4631
	22	0.00	0	0	0	1432		22	0.02	0	0	0	940		22	0.00	0	0	0	4372
	23	0.00	0	0	0	1477		23	0.01	0	0	0	1199		23	0.00	0	0	0	4181
APR 16	0	0.00	0	0	0	1492	APR 18	0	0.06	0	0	0	1417	APR 20	0	0.00	0	0	0	4034
	1	0.00	0	0	0	1343		1	0.02	0	0	0	1772		1	0.00	0	0	0	3910
	2	0.00	0	0	0	1328		2	0.01	0	0	0	3405		2	0.00	0	0	0	3766
	3	0.00	0	0	0	1256		3	0.03	0	0	0	3326		3	0.00	0	0	0	3725
	4	0.00	0	0	0	1199		4	0.02	0	0	0	3287		4	0.00	0	0	0	3685
	5	0.00	0	0	0	1185		5	0.04	0	0	0	3624		5	0.00	0	0	0	3564
	6	0.00	0	0	0	1185		6	0.01	0	0	0	4740		6	0.01	0	0	0	3504
	7	0.00	0	0	0	1185		7	0.00	0	0	0	5163		7	0.00	0	0	0	3484
	8	0.01	0	0	0	1157		8	0.02	0	0	0	4740		8	0.00	0	0	0	3464
	9	0.00	0	0	0	1129		9	0.00	0	0	0	4457		9	0.00	0	0	0	3425
	10	0.03	0	0	0	1088		10	0.00	0	0	0	4223		10	0.00	0	0	0	3307
	11	0.02	0	0	0	1157		11	0.00	0	0	0	4013		11	0.00	0	0	0	3132
	12	0.00	0	0	0	1185		12	0.00	0	0	0	3624		12	0.01	0	0	0	2793
	13	0.00	0	0	0	1242		13	0.01	0	0	0	3307		13	0.00	0	0	0	2719
	14	0.01	0	0	0	1553		14	0.00	0	0	0	3037		14	0.00	0	0	0	2701
	15	0.00	0	0	0	1951		15	0.01	0	0	0	2793		15	0.00	0	0	0	2682
	16	0.00	0	0	0	1677		16	0.00	0	0	0	2719		16	0.00	0	0	0	2610
	17	0.00	0	0	0	1447		17	0.00	0	0	0	2573		17	0.00	0	0	0	2377
	18	0.00	0	0	0	1270		18	0.00	0	0	0	2664		18	0.00	0	0	0	2325
	19	0.00	0	0	0	1074		19	0.00	0	0	0	2519		19	0.00	0	0	0	2273
	20	0.00	0	0	0	1047		20	0.00	0	0	0	2360		20	0.00	0	0	0	2152
	21	0.00	0	0	0	1033		21	0.02	0	0	0	2325		21	0.00	0	0	0	2135
	22	0.00	0	0	0	954		22	0.05	0	0	0	2377		22	0.00	0	0	0	2034
	23	0.00	0	0	0	914		23	0.00	0	0	0	2628		23	0.00	0	0	0	2001

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HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1	DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1	DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1
APR 21	0	0.00	0	0	0	1984	APR 23	0	0.00	0	0	0	7365	APR 25	0	0.00	0	0	0	3930
	1	0.00	0	0	0	1984		1	0.00	0	0	0	7089		1	0.00	0	0	0	3917
	2	0.00	0	0	0	1968		2	0.00	0	0	0	6964		2	0.00	0	0	0	3930
	3	0.00	0	0	0	2085		3	0.00	0	0	0	6766		3	0.00	0	0	0	3930
	4	0.00	0	0	0	2152		4	0.00	0	0	0	6693		4	0.01	0	0	0	3930
	5	0.01	0	0	0	2152		5	0.00	0	0	0	6473		5	0.01	0	0	0	3889
	6	0.01	0	0	0	2221		6	0.00	0	0	0	6401		6	0.00	0	0	0	3930
	7	0.06	0	0	0	2430		7	0.00	0	0	0	6377		7	0.00	0	0	0	4097
	8	0.03	0	0	0	2793		8	0.00	0	0	0	5971		8	0.01	0	0	0	4097
	9	0.01	0	0	0	4139		9	0.00	0	0	0	6353		9	0.00	0	0	0	4139
	10	0.04	0	0	0	4894		10	0.00	0	0	0	6353		10	0.00	0	0	0	4139
	11	0.00	0	0	0	4850		11	0.00	0	0	0	6280		11	0.00	0	0	0	4139
	12	0.06	0	0	0	6018		12	0.00	0	0	0	6256		12	0.00	0	0	0	3992
	13	0.04	0	0	0	7340		13	0.00	0	0	0	6208		13	0.00	0	0	0	3930
	14	0.01	0	0	0	9970		14	0.00	0	0	0	5994		14	0.02	0	0	0	3910
	15	0.02	0	0	0	9637		15	0.00	0	0	0	6066		15	0.02	0	0	0	3930
	16	0.00	0	0	0	9092		16	0.00	0	0	0	5806		16	0.02	0	0	0	4414
	17	0.00	0	0	0	8930		17	0.00	0	0	0	5736		17	0.03	0	0	0	4939
	18	0.00	0	0	0	7850		18	0.00	0	0	0	5597		18	0.02	0	0	0	5412
	19	0.00	0	0	0	6890		19	0.00	0	0	0	5458		19	0.02	0	0	0	5853
	20	0.00	0	0	0	6161		20	0.00	0	0	0	5276		20	0.01	0	0	0	6137
	21	0.00	0	0	0	5806		21	0.00	0	0	0	5208		21	0.01	0	0	0	6113
	22	0.00	0	0	0	5643		22	0.00	0	0	0	5095		22	0.00	0	0	0	6089
	23	0.01	0	0	0	5412		23	0.00	0	0	0	5050		23	0.01	0	0	0	5759
APR 22	0	0.00	0	0	0	5230	APR 24	0	0.00	0	0	0	5028	APR 26	0	0.00	0	0	0	5435
	1	0.00	0	0	0	5095		1	0.00	0	0	0	5028		1	0.01	0	0	0	5276
	2	0.01	0	0	0	5050		2	0.00	0	0	0	5005		2	0.01	0	0	0	5185
	3	0.03	0	0	0	5095		3	0.00	0	0	0	5005		3	0.00	0	0	0	5073
	4	0.14	0	0	0	5830		4	0.00	0	0	0	4939		4	0.00	0	0	0	5185
	5	0.10	0	56	0	11949		5	0.00	0	0	0	4828		5	0.00	0	0	0	5185
	6	0.02	0	11	0	18803		6	0.00	0	0	0	4828		6	0.00	0	0	0	4983
	7	0.07	0	26	0	17056		7	0.00	0	0	0	4828		7	0.00	0	0	0	4806
	8	0.08	0	158	0	17654		8	0.00	0	0	0	4784		8	0.01	0	0	0	4806
	9	0.02	0	82	0	21917		9	0.00	0	0	0	4784		9	0.01	0	0	0	4784
	10	0.02	0	36	0	21417		10	0.00	0	0	0	4828		10	0.01	0	0	0	5005
	11	0.00	0	39	0	18565		11	0.00	0	0	0	4806		11	0.00	0	0	0	5118
	12	0.01	0	129	0	16235		12	0.00	0	0	0	4740		12	0.00	0	0	0	5005
	13	0.00	0	53	0	17023		13	0.00	0	0	0	4565		13	0.00	0	0	0	4939
	14	0.00	0	33	0	15460		14	0.00	0	0	0	4544		14	0.00	0	0	0	4784
	15	0.00	0	0	0	13270		15	0.00	0	0	0	4372		15	0.00	0	0	0	4631
	16	0.00	0	0	0	11538		16	0.00	0	0	0	4308		16	0.00	0	0	0	4522
	17	0.00	0	0	0	10532		17	0.00	0	0	0	4181		17	0.00	0	0	0	4350
	18	0.00	0	0	0	9858		18	0.00	0	0	0	4139		18	0.00	0	0	0	4202
	19	0.00	0	0	0	9092		19	0.00	0	0	0	4118		19	0.00	0	0	0	4118
	20	0.00	0	0	0	8556		20	0.00	0	0	0	4013		20	0.00	0	0	0	4013
	21	0.00	0	0	0	8135		21	0.00	0	0	0	3992		21	0.00	0	0	0	3910
	22	0.00	0	0	0	7876		22	0.00	0	0	0	3972		22	0.00	0	0	0	3930
	23	0.00	0	0	0	7644		23	0.00	0	0	0	3910		23	0.00	0	0	0	3889

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2	E3C1 ----	DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)	E4F2	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2	E3C1 ----
APR 27	0	0.00	0	0	0	3848	APR 29	0	0.00	0	0	0	2905	MAY 1	0	0.00	0	0	0	1984
	1	0.00	0	0	0	3786		1	0.00	0	0	0	2905		1	0.00	0	0	0	1984
	2	0.00	0	0	0	3725		2	0.00	0	0	0	2886		2	0.00	0	0	0	1984
	3	0.00	0	0	0	3725		3	0.00	0	0	0	2867		3	0.00	0	0	0	1984
	4	0.00	0	0	0	3685		4	0.00	0	0	0	2905		4	0.00	0	0	0	1984
	5	0.00	0	0	0	3685		5	0.00	0	0	0	2905		5	0.00	0	0	0	1951
	6	0.00	0	0	0	3685		6	0.00	0	0	0	2905		6	0.00	0	0	0	1951
	7	0.00	0	0	0	3705		7	0.00	0	0	0	2867		7	0.00	0	0	0	1951
	8	0.00	0	0	0	3685		8	0.00	0	0	0	2886		8	0.00	0	0	0	1951
	9	0.00	0	0	0	3685		9	0.00	0	0	0	2905		9	0.00	0	0	0	1935
	10	0.00	0	0	0	3644		10	0.00	0	0	0	2905		10	0.00	0	0	0	1968
	11	0.00	0	0	0	3544		11	0.00	0	0	0	2886		11	0.00	0	0	0	1984
	12	0.00	0	0	0	3484		12	0.00	0	0	0	2811		12	0.00	0	0	0	2273
	13	0.00	0	0	0	3445		13	0.00	0	0	0	2719		13	0.00	0	0	0	2204
	14	0.00	0	0	0	3287		14	0.00	0	0	0	2646		14	0.00	0	0	0	2152
	15	0.00	0	0	0	3287		15	0.00	0	0	0	2519		15	0.00	0	0	0	2068
	16	0.01	0	0	0	3287		16	0.00	0	0	0	2502		16	0.00	0	0	0	1984
	17	0.00	0	0	0	3287		17	0.00	0	0	0	2360		17	0.00	0	0	0	1968
	18	0.00	0	0	0	3326		18	0.00	0	0	0	2325		18	0.00	0	0	0	1984
	19	0.00	0	0	0	3524		19	0.00	0	0	0	2325		19	0.00	0	0	0	1984
	20	0.00	0	0	0	3484		20	0.00	0	0	0	2325		20	0.00	0	0	0	1984
	21	0.00	0	0	0	3385		21	0.00	0	0	0	2342		21	0.00	0	0	0	1984
	22	0.00	0	0	0	3287		22	0.00	0	0	0	2325		22	0.00	0	0	0	1984
	23	0.00	0	0	0	3287		23	0.00	0	0	0	2325		23	0.00	0	0	0	1984
APR 28	0	0.00	0	0	0	3307	APR 30	0	0.00	0	0	0	2325	MAY 2	0	0.00	0	0	0	1968
	1	0.00	0	0	0	3287		1	0.00	0	0	0	2360		1	0.00	0	0	0	1951
	2	0.00	0	0	0	3287		2	0.00	0	0	0	2395		2	0.00	0	0	0	2017
	3	0.00	0	0	0	3268		3	0.00	0	0	0	2413		3	0.00	0	0	0	2017
	4	0.00	0	0	0	3268		4	0.00	0	0	0	2430		4	0.00	0	0	0	2051
	5	0.00	0	0	0	3248		5	0.00	0	0	0	2430		5	0.00	0	0	0	2051
	6	0.00	0	0	0	3190		6	0.00	0	0	0	2413		6	0.00	0	0	0	2051
	7	0.00	0	0	0	3132		7	0.02	0	0	0	2395		7	0.00	0	0	0	2068
	8	0.01	0	0	0	3113		8	0.00	0	0	0	2395		8	0.00	0	0	0	2085
	9	0.00	0	0	0	3152		9	0.00	0	0	0	2430		9	0.00	0	0	0	2085
	10	0.01	0	0	0	3287		10	0.00	0	0	0	2591		10	0.00	0	0	0	2118
	11	0.01	0	0	0	3287		11	0.00	0	0	0	2682		11	0.00	0	0	0	2112
	12	0.00	0	0	0	3445		12	0.00	0	0	0	2519		12	0.00	0	0	0	2028
	13	0.00	0	0	0	4696		13	0.00	0	0	0	2502		13	0.00	0	0	0	2001
	14	0.00	0	0	0	5050		14	0.00	0	0	0	2325		14	0.00	0	0	0	1984
	15	0.00	0	0	0	4850		15	0.00	0	0	0	2342		15	0.00	0	0	0	1984
	16	0.00	0	0	0	4139		16	0.00	0	0	0	2186		16	0.00	0	0	0	1918
	17	0.00	0	0	0	3644		17	0.00	0	0	0	2152		17	0.00	0	0	0	1820
	18	0.00	0	0	0	3346		18	0.00	0	0	0	2169		18	0.00	0	0	0	1804
	19	0.00	0	0	0	3209		19	0.00	0	0	0	2101		19	0.00	0	0	0	1756
	20	0.00	0	0	0	3094		20	0.00	0	0	0	2001		20	0.00	0	0	0	1661
	21	0.00	0	0	0	3056		21	0.00	0	0	0	1984		21	0.00	0	0	0	1661
	22	0.00	0	0	0	2961		22	0.00	0	0	0	1984		22	0.00	0	0	0	1661
	23	0.00	0	0	0	2923		23	0.00	0	0	0	1984		23	0.00	0	0	0	1661

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1		
MAY	3	0	0.00	0	0	1661	MAY	5	0	0.00	0	0	0	1328	MAY	7	0	0.00	0	0	0	763
	1	0.00	0	0	0	1630		1	0.00	0	0	0	1328		1	0.00	0	0	0	0	763	
	2	0.00	0	0	0	1630		2	0.00	0	0	0	1328		2	0.00	0	0	0	0	763	
	3	0.00	0	0	0	1630		3	0.00	0	0	0	1213		3	0.00	0	0	0	0	763	
	4	0.00	0	0	0	1630		4	0.00	0	0	0	1199		4	0.00	0	0	0	0	739	
	5	0.00	0	0	0	1709		5	0.00	0	0	0	1185		5	0.00	0	0	0	0	715	
	6	0.00	0	0	0	1724		6	0.00	0	0	0	1185		6	0.00	0	0	0	0	679	
	7	0.00	0	0	0	1724		7	0.00	0	0	0	1285		7	0.00	0	0	0	0	668	
	8	0.00	0	0	0	1724		8	0.00	0	0	0	1357		8	0.00	0	0	0	0	644	
	9	0.00	0	0	0	1724		9	0.00	0	0	0	1343		9	0.00	0	0	0	0	715	
	10	0.01	0	0	0	1724		10	0.00	0	0	0	1357		10	0.00	0	0	0	0	788	
	11	0.00	0	0	0	1724		11	0.00	0	0	0	1328		11	0.00	0	0	0	0	788	
	12	0.00	0	0	0	1756		12	0.00	0	0	0	1328		12	0.00	0	0	0	0	776	
	13	0.00	0	0	0	1740		13	0.00	0	0	0	1328		13	0.00	0	0	0	0	763	
	14	0.01	0	0	0	1804		14	0.00	0	0	0	1285		14	0.00	0	0	0	0	763	
	15	0.00	0	0	0	1820		15	0.00	0	0	0	1185		15	0.00	0	0	0	0	668	
	16	0.00	0	0	0	1788		16	0.00	0	0	0	1185		16	0.00	0	0	0	0	644	
	17	0.00	0	0	0	1661		17	0.00	0	0	0	1157		17	0.00	0	0	0	0	644	
	18	0.00	0	0	0	1630		18	0.00	0	0	0	1088		18	0.00	0	0	0	0	644	
	19	0.00	0	0	0	1599		19	0.00	0	0	0	1047		19	0.00	0	0	0	0	644	
	20	0.00	0	0	0	1507		20	0.00	0	0	0	1047		20	0.00	0	0	0	0	644	
	21	0.00	0	0	0	1507		21	0.00	0	0	0	1047		21	0.00	0	0	0	0	644	
	22	0.00	0	0	0	1507		22	0.00	0	0	0	1047		22	0.00	0	0	0	0	668	
	23	0.00	0	0	0	1477		23	0.00	0	0	0	1047		23	0.00	0	0	0	0	668	
MAY	4	0	0.00	0	0	1477	MAY	6	0	0.00	0	0	0	1047	MAY	8	0	0.00	0	0	0	668
	1	0.00	0	0	0	1477		1	0.00	0	0	0	1020		1	0.00	0	0	0	0	668	
	2	0.00	0	0	0	1477		2	0.00	0	0	0	1129		2	0.00	0	0	0	0	644	
	3	0.00	0	0	0	1507		3	0.00	0	0	0	1185		3	0.00	0	0	0	0	565	
	4	0.00	0	0	0	1599		4	0.00	0	0	0	1185		4	0.00	0	0	0	0	532	
	5	0.00	0	0	0	1646		5	0.00	0	0	0	1185		5	0.00	0	0	0	0	532	
	6	0.01	0	0	0	1630		6	0.00	0	0	0	1185		6	0.00	0	0	0	0	532	
	7	0.00	0	0	0	1630		7	0.00	0	0	0	1185		7	0.00	0	0	0	0	543	
	8	0.00	0	0	0	1630		8	0.00	0	0	0	1185		8	0.00	0	0	0	0	565	
	9	0.00	0	0	0	1661		9	0.00	0	0	0	1185		9	0.00	0	0	0	0	691	
	10	0.00	0	0	0	1661		10	0.00	0	0	0	1185		10	0.00	0	0	0	0	715	
	11	0.00	0	0	0	1661		11	0.00	0	0	0	1185		11	0.00	0	0	0	0	668	
	12	0.00	0	0	0	1661		12	0.00	0	0	0	1020		12	0.00	0	0	0	0	668	
	13	0.00	0	0	0	1677		13	0.00	0	0	0	914		13	0.00	0	0	0	0	644	
	14	0.00	0	0	0	1709		14	0.00	0	0	0	914		14	0.00	0	0	0	0	644	
	15	0.00	0	0	0	1522		15	0.00	0	0	0	889		15	0.00	0	0	0	0	644	
	16	0.00	0	0	0	1477		16	0.00	0	0	0	800		16	0.00	0	0	0	0	554	
	17	0.00	0	0	0	1343		17	0.00	0	0	0	788		17	0.00	0	0	0	0	554	
	18	0.00	0	0	0	1328		18	0.00	0	0	0	788		18	0.00	0	0	0	0	554	
	19	0.00	0	0	0	1328		19	0.00	0	0	0	788		19	0.00	0	0	0	0	532	
	20	0.00	0	0	0	1328		20	0.00	0	0	0	788		20	0.00	0	0	0	0	532	
	21	0.00	0	0	0	1328		21	0.00	0	0	0	788		21	0.00	0	0	0	0	532	
	22	0.00	0	0	0	1328		22	0.00	0	0	0	776		22	0.00	0	0	0	0	532	
	23	0.00	0	0	0	1328		23	0.00	0	0	0	763		23	0.00	0	0	0	0	532	

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
MAY 9	0	0.00	0	0	0	532	MAY 11	0	0.03	0	0	0	554	MAY 13	0	0.00	0	0	0	1185
	1	0.00	0	0	0	532		1	0.02	0	0	0	554		1	0.00	0	0	0	1185
	2	0.00	0	0	0	532		2	0.00	0	0	0	554		2	0.00	0	0	0	1213
	3	0.00	0	0	0	610		3	0.00	0	0	0	554		3	0.00	0	0	0	1185
	4	0.00	0	0	0	644		4	0.00	0	0	0	554		4	0.00	0	0	0	1088
	5	0.00	0	0	0	644		5	0.02	0	0	0	554		5	0.00	0	0	0	1047
	6	0.00	0	0	0	644		6	0.04	0	0	0	554		6	0.00	0	0	0	1047
	7	0.00	0	0	0	644		7	0.00	0	0	0	554		7	0.00	0	0	0	1047
	8	0.00	0	0	0	644		8	0.05	0	0	0	554		8	0.05	0	0	0	1047
	9	0.00	0	0	0	644		9	0.01	0	0	0	554		9	0.11	0	0	0	1088
	10	0.00	0	0	0	644		10	0.00	0	0	0	554		10	0.04	0	0	0	1256
	11	0.00	0	0	0	644		11	0.00	0	0	0	554		11	0.10	0	0	0	2204
	12	0.00	0	0	0	668		12	0.00	0	0	0	554		12	0.04	0	0	0	6280
	13	0.00	0	0	0	668		13	0.00	0	0	0	554		13	0.05	0	0	0	9555
	14	0.04	0	0	0	668		14	0.01	0	0	0	554		14	0.01	0	0	0	11219
	15	0.04	0	0	0	703		15	0.00	0	0	0	554		15	0.04	0	0	0	11772
	16	0.05	0	0	0	788		16	0.01	0	0	0	776		16	0.00	0	0	0	10249
	17	0.00	0	0	0	876		17	0.00	0	0	0	1033		17	0.00	0	0	0	9665
	18	0.00	0	0	0	993		18	0.00	0	0	0	927		18	0.03	0	0	0	9173
	19	0.00	0	0	0	1101		19	0.00	0	0	0	863		19	0.03	0	0	0	7850
	20	0.00	0	0	0	1157		20	0.00	0	0	0	788		20	0.09	0	0	0	7619
	21	0.00	0	0	0	954		21	0.00	0	0	0	788		21	0.08	0	0	0	8876
	22	0.00	0	0	0	902		22	0.00	0	0	0	788		22	0.03	0	0	0	14540
	23	0.00	0	0	0	838		23	0.00	0	0	0	763		23	0.01	0	0	0	18158
MAY 10	0	0.00	0	0	0	668	MAY 12	0	0.00	0	0	0	763	MAY 14	0	0.02	0	0	0	16008
	1	0.00	0	0	0	554		1	0.03	0	0	0	420		1	0.02	0	0	0	13854
	2	0.00	0	0	0	532		2	0.00	0	0	0	151		2	0.06	0	0	0	12935
	3	0.00	0	0	0	554		3	0.00	0	0	0	763		3	0.02	0	0	0	13026
	4	0.00	0	0	0	554		4	0.00	0	0	0	763		4	0.02	0	0	0	15013
	5	0.00	0	0	0	554		5	0.00	0	0	0	763		5	0.00	0	0	0	15524
	6	0.00	0	0	0	554		6	0.00	0	0	0	763		6	0.00	0	0	0	14540
	7	0.00	0	0	0	554		7	0.00	0	0	0	763		7	0.00	0	0	0	13239
	8	0.00	0	0	0	554		8	0.00	0	0	0	763		8	0.00	0	0	0	11949
	9	0.00	0	0	0	554		9	0.00	0	0	0	751		9	0.00	0	0	0	10816
	10	0.00	0	0	0	554		10	0.00	0	0	0	788		10	0.05	0	0	0	9886
	11	0.00	0	0	0	554		11	0.00	0	0	0	788		11	0.03	0	0	0	9555
	12	0.00	0	0	0	554		12	0.00	0	0	0	788		12	0.04	0	0	-1	10816
	13	0.00	0	0	0	554		13	0.00	0	0	0	788		13	0.01	0	0	-1	12694
	14	0.00	0	0	0	554		14	0.00	0	0	0	788		14	0.04	0	0	-1	14383
	15	0.00	0	0	0	554		15	0.00	0	0	0	788		15	0.03	0	0	-1	14950
	16	0.00	0	0	0	554		16	0.01	0	0	0	788		16	0.07	0	0	-1	16431
	17	0.00	0	0	0	554		17	0.02	0	0	0	838		17	0.04	0	16	-1	19420
	18	0.00	0	0	0	554		18	0.02	0	0	0	889		18	0.07	0	58	-1	25031
	19	0.01	0	0	0	554		19	0.02	0	0	0	914		19	0.09	0	37	-1	27886
	20	0.00	0	0	0	554		20	0.02	0	0	0	980		20	0.07	0	33	-1	27808
	21	0.01	0	0	0	554		21	0.01	0	0	0	1047		21	0.03	0	24	-1	26465
	22	0.00	0	0	0	554		22	0.00	0	0	0	1185		22	0.00	0	62	-1	25368
	23	0.01	0	0	0	554		23	0.00	0	0	0	1185		23	0.07	0	37	-1	25745

HOURLY PRECIPITATION AND FLOW 1977/78 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
MAY 15	0	0.01	0	39	-1	24472	MAY 17	0	0.00	0	0	0	7747	MAY 19	0	0.00	0	0	0	3848
	1	0.00	0	39	-1	22602		1	0.00	0	0	0	7644		1	0.00	0	0	0	3868
	2	0.00	0	2	-1	21133		2	0.00	0	0	0	7492		2	0.00	0	0	0	3889
	3	0.00	0	0	-1	19905		3	0.00	0	0	0	7466		3	0.00	0	0	0	3930
	4	0.00	0	0	-1	18463		4	0.00	0	0	0	7314		4	0.00	0	0	0	3930
	5	0.00	0	0	-1	17221		5	0.00	0	0	0	7239		5	0.00	0	0	0	3930
	6	0.00	0	0	0	16268		6	0.00	0	0	0	7214		6	0.00	0	0	0	3930
	7	0.00	0	0	0	15460		7	0.00	0	0	0	7089		7	0.00	0	0	0	4055
	8	0.00	0	0	0	14982		8	0.00	0	0	0	6989		8	0.00	0	0	0	4097
	9	0.00	0	0	0	14760		9	0.00	0	0	0	6989		9	0.00	0	0	0	4097
	10	0.00	0	0	0	14445		10	0.00	0	0	0	6989		10	0.00	0	0	0	4097
	11	0.01	0	0	0	13607		11	0.00	0	0	0	6964		11	0.00	0	0	0	4097
	12	0.00	0	0	0	13361		12	0.00	0	0	0	6939		12	0.00	0	0	0	3910
	13	0.00	0	0	0	12996		13	0.00	0	0	0	6791		13	0.00	0	0	0	3746
	14	0.00	0	0	0	12544		14	0.00	0	0	0	6693		14	0.00	0	0	0	3564
	15	0.04	0	0	0	12126		15	0.00	0	0	0	6473		15	0.00	0	0	0	3385
	16	0.00	0	0	0	13331		16	0.00	0	0	0	6280		16	0.00	0	0	0	3248
	17	0.00	0	0	0	14982		17	0.00	0	0	0	6137		17	0.00	0	0	0	3094
	18	0.00	0	0	0	14603		18	0.00	0	0	0	5971		18	0.00	0	0	0	2942
	19	0.05	0	2	0	14009		19	0.00	0	0	0	5853		19	0.00	0	0	0	2905
	20	0.01	0	12	0	14603		20	0.00	0	0	0	5689		20	0.00	0	0	0	2905
	21	0.00	0	0	0	16170		21	0.00	0	0	0	5666		21	0.00	0	0	0	2905
	22	0.00	0	0	0	15588		22	0.00	0	0	0	5504		22	0.00	0	0	0	2867
	23	0.00	0	0	0	14697		23	0.00	0	0	0	5504		23	0.00	0	0	0	2848
MAY 16	0	0.00	0	0	0	13946	MAY 18	0	0.00	0	0	0	5504	MAY 20	0	0.00	0	0	0	2961
	1	0.00	0	0	0	13331		1	0.00	0	0	0	5550		1	0.00	0	0	0	3094
	2	0.00	0	0	0	12724		2	0.00	0	0	0	5504		2	0.00	0	0	0	3094
	3	0.00	0	0	0	12275		3	0.00	0	0	0	5550		3	0.00	0	0	0	3075
	4	0.01	0	0	0	11772		4	0.00	0	0	0	5504		4	0.00	0	0	0	3113
	5	0.00	0	0	0	11393		5	0.00	0	0	0	5504		5	0.00	0	0	0	3248
	6	0.00	0	0	0	11103		6	0.00	0	0	0	5504		6	0.00	0	0	0	3268
	7	0.00	0	0	0	10845		7	0.00	0	0	0	5550		7	0.00	0	0	0	3287
	8	0.00	0	0	0	10588		8	0.00	0	0	0	5550		8	0.00	0	0	0	3287
	9	0.00	0	0	0	10560		9	0.00	0	0	0	5504		9	0.00	0	0	0	3287
	10	0.00	0	0	0	10475		10	0.00	0	0	0	5504		10	0.00	0	0	0	3326
	11	0.00	0	0	0	10277		11	0.00	0	0	0	5458		11	0.00	0	0	0	3464
	12	0.00	0	0	0	10249		12	0.00	0	0	0	5367		12	0.00	0	0	0	3307
	13	0.00	0	0	0	10025		13	0.00	0	0	0	5208		13	0.00	0	0	0	3018
	14	0.00	0	0	0	9831		14	0.00	0	0	0	5028		14	0.00	0	0	0	2867
	15	0.00	0	0	0	9527		15	0.00	0	0	0	4806		15	0.00	0	0	0	2701
	16	0.00	0	0	0	9309		16	0.00	0	0	0	4609		16	0.00	0	0	0	2519
	17	0.00	0	0	0	8930		17	0.00	0	0	0	4414		17	0.00	0	0	0	2395
	18	0.00	0	0	0	8769		18	0.00	0	0	0	4202		18	0.00	0	0	0	2325
	19	0.00	0	0	0	8530		19	0.00	0	0	0	4034		19	0.00	0	0	0	2325
	20	0.00	0	0	0	8292		20	0.00	0	0	0	3930		20	0.00	0	0	0	2325
	21	0.00	0	0	0	8057		21	0.00	0	0	0	3889		21	0.00	0	0	0	2325
	22	0.00	0	0	0	8005		22	0.00	0	0	0	3848		22	0.00	0	0	0	2307
	23	0.00	0	0	0	7824		23	0.00	0	0	0	3766		23	0.00	0	0	0	2204

HOURLY PRECIPITATION AND FLOW 1978/79

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----
NOV 18	0	0.00	0	0	0	0	NOV 20	0	0.00	0	0	0	154	NOV 22	0	0.00	0	0	0	29
	1	0.00	0	0	0	0		1	0.00	0	0	0	154		1	0.00	0	0	0	29
	2	0.00	0	0	0	0		2	0.00	0	0	0	132		2	0.00	0	0	0	33
	3	0.00	0	0	0	0		3	0.00	0	0	0	80		3	0.00	0	0	0	29
	4	0.00	0	0	0	0		4	0.00	0	0	0	86		4	0.00	0	0	0	29
	5	0.00	0	0	0	0		5	0.00	0	0	0	86		5	0.00	0	0	0	33
	6	0.00	0	0	0	0		6	0.00	0	0	0	80		6	0.00	0	0	0	29
	7	0.00	0	0	0	0		7	0.00	0	0	0	86		7	0.00	0	0	0	29
	8	0.00	0	0	0	0		8	0.00	0	0	0	86		8	0.00	0	0	0	33
	9	0.00	0	0	0	0		9	0.00	0	0	0	58		9	0.00	0	0	0	29
	10	0.00	0	0	0	0		10	0.00	0	0	0	33		10	0.00	0	0	0	29
	11	0.00	0	0	0	0		11	0.00	0	0	0	29		11	0.00	0	0	0	33
	12	0.00	0	0	0	0		12	0.00	0	0	0	29		12	0.00	0	0	0	29
	13	0.00	0	0	0	0		13	0.00	0	0	0	33		13	0.00	0	0	0	33
	14	0.00	0	0	0	0		14	0.00	0	0	0	29		14	0.00	0	0	0	29
	15	0.01	0	0	0	0		15	0.01	0	0	0	29		15	0.00	0	0	0	29
	16	0.03	0	0	0	0		16	0.00	0	0	0	29		16	0.00	0	0	0	33
	17	0.13	0	0	0	0		17	0.00	0	0	0	29		17	0.00	0	0	0	29
	18	0.15	0	0	0	0		18	0.00	0	0	0	29		18	0.00	0	0	0	29
	19	0.08	0	0	0	0		19	0.00	0	0	0	33		19	0.00	0	0	0	33
	20	0.04	0	0	0	0		20	0.00	0	0	0	29		20	0.00	0	0	0	29
	21	0.04	0	0	0	0		21	0.00	0	0	0	29		21	0.00	0	0	0	29
	22	0.03	0	0	0	0		22	0.00	0	0	0	33		22	0.00	0	0	0	33
	23	0.02	0	0	0	0		23	0.00	0	0	0	29		23	0.00	0	0	0	29
NOV 19	0	0.05	0	0	0	0	NOV 21	0	0.00	0	0	0	29	NOV 23	0	0.00	0	0	0	29
	1	0.00	0	0	0	0		1	0.00	0	0	0	29		1	0.00	0	0	0	33
	2	0.04	0	0	0	0		2	0.00	0	0	0	29		2	0.00	0	0	0	29
	3	0.08	0	0	0	0		3	0.00	0	0	0	33		3	0.00	0	0	0	29
	4	0.02	0	0	0	0		4	0.00	0	0	0	29		4	0.00	0	0	0	33
	5	0.00	0	0	0	2		5	0.00	0	0	0	29		5	0.00	0	0	0	29
	6	0.01	0	0	0	58		6	0.00	0	0	0	33		6	0.00	0	0	0	29
	7	0.00	0	0	0	80		7	0.00	0	0	0	29		7	0.00	0	0	0	33
	8	0.03	0	0	0	86		8	0.00	0	0	0	29		8	0.00	0	0	0	29
	9	0.00	0	0	0	86		9	0.00	0	0	0	33		9	0.00	0	0	0	29
	10	0.01	0	0	0	33		10	0.00	0	0	0	29		10	0.00	0	0	0	33
	11	0.05	0	0	0	33		11	0.00	0	0	0	29		11	0.00	0	0	0	29
	12	0.13	0	0	0	29		12	0.01	0	0	0	33		12	0.00	0	0	0	29
	13	0.21	0	0	0	58		13	0.00	0	0	0	29		13	0.00	0	0	0	33
	14	0.08	0	0	0	132		14	0.00	0	0	0	33		14	0.00	0	0	0	29
	15	0.01	0	0	0	275		15	0.00	0	0	0	29		15	0.00	0	0	0	29
	16	0.08	0	0	0	154		16	0.00	0	0	0	29		16	0.00	0	0	0	33
	17	0.05	0	0	0	427		17	0.00	0	0	0	33		17	0.00	0	0	0	29
	18	0.03	0	0	0	358		18	0.00	0	0	0	29		18	0.00	0	0	0	33
	19	0.00	0	0	0	329		19	0.00	0	0	0	29		19	0.00	0	0	0	29
	20	0.00	0	0	0	320		20	0.00	0	0	0	33		20	0.00	0	0	0	29
	21	0.00	0	0	0	284		21	0.00	0	0	0	29		21	0.00	0	0	0	33
	22	0.00	0	0	0	240		22	0.00	0	0	0	29		22	0.00	0	0	0	29
	23	0.00	0	0	0	224		23	0.00	0	0	0	33		23	0.00	0	0	0	29



HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 E3C1
NOV 24	0	0.00	0	0	0 33	NOV 26	0	0.00	0	0	0 29	NOV 28	0	0.00	0	0	0 33
	1	0.00	0	0	0 29		1	0.00	0	0	0 29		1	0.00	0	0	0 29
	2	0.00	0	0	0 29		2	0.00	0	0	0 33		2	0.00	0	0	0 29
	3	0.00	0	0	0 33		3	0.00	0	0	0 29		3	0.01	0	0	0 33
	4	0.00	0	0	0 29		4	0.00	0	0	0 33		4	0.00	0	0	0 29
	5	0.00	0	0	0 29		5	0.00	0	0	0 29		5	0.00	0	0	0 29
	6	0.00	0	0	0 33		6	0.00	0	0	0 29		6	0.01	0	0	0 33
	7	0.00	0	0	0 29		7	0.00	0	0	0 33		7	0.00	0	0	0 29
	8	0.00	0	0	0 29		8	0.00	0	0	0 29		8	0.00	0	0	0 29
	9	0.00	0	0	0 33		9	0.00	0	0	0 29		9	0.00	0	0	0 33
	10	0.00	0	0	0 29		10	0.00	0	0	0 33		10	0.04	0	0	0 29
	11	0.00	0	0	0 29		11	0.00	0	0	0 29		11	0.05	0	0	0 29
	12	0.00	0	0	0 33		12	0.00	0	0	0 29		12	0.05	0	0	0 33
	13	0.00	0	0	0 29		13	0.00	0	0	0 33		13	0.01	0	0	0 29
	14	0.00	0	0	0 29		14	0.00	0	0	0 29		14	0.02	0	0	0 33
	15	0.00	0	0	0 33		15	0.00	0	0	0 29		15	0.04	0	0	0 29
	16	0.00	0	0	0 29		16	0.00	0	0	0 33		16	0.02	0	0	0 29
	17	0.00	0	0	0 29		17	0.00	0	0	0 29		17	0.03	0	0	0 52
	18	0.00	0	0	0 33		18	0.00	0	0	0 29		18	0.02	0	0	0 80
	19	0.00	0	0	0 29		19	0.00	0	0	0 33		19	0.01	0	0	0 86
	20	0.00	0	0	0 29		20	0.00	0	0	0 29		20	0.00	0	0	0 86
	21	0.00	0	0	0 33		21	0.00	0	0	0 29		21	0.00	0	0	0 80
	22	0.00	0	0	0 29		22	0.00	0	0	0 33		22	0.01	0	0	0 86
	23	0.00	0	0	0 33		23	0.00	0	0	0 29		23	0.00	0	0	0 86
NOV 25	0	0.00	0	0	0 29	NOV 27	0	0.00	0	0	0 29	NOV 29	0	0.00	0	0	0 86
	1	0.00	0	0	0 29		1	0.00	0	0	0 33		1	0.00	0	0	0 86
	2	0.00	0	0	0 33		2	0.00	0	0	0 29		2	0.00	0	0	0 80
	3	0.00	0	0	0 29		3	0.00	0	0	0 29		3	0.00	0	0	0 86
	4	0.00	0	0	0 29		4	0.00	0	0	0 33		4	0.00	0	0	0 86
	5	0.00	0	0	0 33		5	0.00	0	0	0 29		5	0.00	0	0	0 80
	6	0.00	0	0	0 29		6	0.00	0	0	0 29		6	0.00	0	0	0 86
	7	0.00	0	0	0 29		7	0.00	0	0	0 33		7	0.00	0	0	0 86
	8	0.00	0	0	0 33		8	0.00	0	0	0 29		8	0.00	0	0	0 86
	9	0.00	0	0	0 29		9	0.00	0	0	0 33		9	0.03	0	0	0 80
	10	0.00	0	0	0 29		10	0.00	0	0	0 29		10	0.03	0	0	0 86
	11	0.00	0	0	0 33		11	0.00	0	0	0 29		11	0.01	0	0	0 86
	12	0.00	0	0	0 29		12	0.00	0	0	0 33		12	0.00	0	0	0 80
	13	0.00	0	0	0 29		13	0.00	0	0	0 29		13	0.00	0	0	0 86
	14	0.00	0	0	0 33		14	0.00	0	0	0 29		14	0.00	0	0	0 86
	15	0.00	0	0	0 29		15	0.00	0	0	0 33		15	0.00	0	0	0 80
	16	0.00	0	0	0 29		16	0.00	0	0	0 29		16	0.00	0	0	0 86
	17	0.00	0	0	0 33		17	0.00	0	0	0 29		17	0.00	0	0	0 86
	18	0.00	0	0	0 29		18	0.01	0	0	0 33		18	0.00	0	0	0 80
	19	0.00	0	0	0 29		19	0.00	0	0	0 29		19	0.00	0	0	0 86
	20	0.00	0	0	0 33		20	0.02	0	0	0 29		20	0.00	0	0	0 86
	21	0.00	0	0	0 29		21	0.00	0	0	0 33		21	0.00	0	0	0 80
	22	0.00	0	0	0 29		22	0.01	0	0	0 29		22	0.00	0	0	0 86
	23	0.00	0	0	0 33		23	0.00	0	0	0 29		23	0.00	0	0	0 86

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ----
NOV 30	0	0.00	0	0	0	80	DEC 2	0	0.00	0	0	0	320	DEC 4	0	0.00	0	0	0	154
	1	0.00	0	0	0	86		1	0.00	0	0	0	311		1	0.00	0	0	0	154
	2	0.00	0	0	0	86		2	0.00	0	0	0	302		2	0.00	0	0	0	154
	3	0.00	0	0	0	80		3	0.00	0	0	0	249		3	0.00	0	0	0	154
	4	0.00	0	0	0	86		4	0.00	0	0	0	232		4	0.00	0	0	0	154
	5	0.00	0	0	0	86		5	0.00	0	0	0	232		5	0.01	0	0	0	154
	6	0.00	0	0	0	80		6	0.00	0	0	0	240		6	0.01	0	0	0	154
	7	0.00	0	0	0	80		7	0.00	0	0	0	232		7	0.01	0	0	0	154
	8	0.04	0	0	0	80		8	0.00	0	0	0	232		8	0.04	0	0	0	154
	9	0.05	0	0	0	86		9	0.00	0	0	0	240		9	0.04	0	0	0	207
	10	0.15	0	0	0	86		10	0.00	0	0	0	232		10	0.22	0	0	0	311
	11	0.13	0	0	0	93		11	0.00	0	0	0	232		11	0.21	0	0	0	993
	12	0.11	0	0	0	207		12	0.00	0	0	0	240		12	0.12	0	0	0	2573
	13	0.13	0	0	0	510		13	0.00	0	0	0	232		13	0.06	0	0	0	3171
	14	0.08	0	0	0	914		14	0.00	0	0	0	232		14	0.00	0	0	0	2646
	15	0.02	0	0	0	1115		15	0.00	0	0	0	240		15	0.00	0	0	0	1935
	16	0.00	0	0	0	1256		16	0.00	0	0	0	232		16	0.01	0	0	0	1507
	17	0.00	0	0	0	1199		17	0.00	0	0	0	232		17	0.00	0	0	0	1185
	18	0.00	0	0	0	1033		18	0.00	0	0	0	240		18	0.00	0	0	0	1074
	19	0.00	0	0	0	914		19	0.00	0	0	0	232		19	0.00	0	0	0	967
	20	0.01	0	0	0	776		20	0.00	0	0	0	232		20	0.00	0	0	0	850
	21	0.02	0	0	0	703		21	0.00	0	0	0	240		21	0.00	0	0	0	776
	22	0.00	0	0	0	656		22	0.00	0	0	0	216		22	0.00	0	0	0	715
	23	0.00	0	0	0	656		23	0.00	0	0	0	224		23	0.00	0	0	0	644
DEC 1	0	0.01	0	0	0	576	DEC 3	0	0.00	0	0	0	224	DEC 5	0	0.00	0	0	0	656
	1	0.00	0	0	0	556		1	0.00	0	0	0	232		1	0.00	0	0	0	656
	2	0.00	0	0	0	540		2	0.00	0	0	0	232		2	0.00	0	0	0	656
	3	0.01	0	0	0	536		3	0.00	0	0	0	232		3	0.00	0	0	0	656
	4	0.00	0	0	0	527		4	0.00	0	0	0	232		4	0.00	0	0	0	656
	5	0.00	0	0	0	510		5	0.00	0	0	0	232		5	0.00	0	0	0	656
	6	0.00	0	0	0	489		6	0.00	0	0	0	224		6	0.01	0	0	0	644
	7	0.00	0	0	0	437		7	0.00	0	0	0	232		7	0.01	0	0	0	656
	8	0.00	0	0	0	427		8	0.00	0	0	0	232		8	0.00	0	0	0	656
	9	0.00	0	0	0	427		9	0.00	0	0	0	232		9	0.00	0	0	0	224
	10	0.00	0	0	0	427		10	0.00	0	0	0	232		10	0.00	0	0	0	554
	11	0.00	0	0	0	427		11	0.00	0	0	0	232		11	0.00	0	0	0	788
	12	0.00	0	0	0	427		12	0.00	0	0	0	232		12	0.00	0	0	0	914
	13	0.01	0	0	0	427		13	0.01	0	0	0	192		13	0.00	0	0	0	876
	14	0.00	0	0	0	387		14	0.00	0	0	0	154		14	0.00	0	0	0	813
	15	0.00	0	0	0	329		15	0.00	0	0	0	154		15	0.00	0	0	0	788
	16	0.00	0	0	0	329		16	0.00	0	0	0	154		16	0.00	0	0	0	776
	17	0.00	0	0	0	320		17	0.00	0	0	0	161		17	0.00	0	0	0	776
	18	0.00	0	0	0	329		18	0.00	0	0	0	154		18	0.00	0	0	0	777
	19	0.00	0	0	0	329		19	0.00	0	0	0	154		19	0.00	0	0	0	777
	20	0.00	0	0	0	320		20	0.00	0	0	0	154		20	0.00	0	0	0	776
	21	0.00	0	0	0	329		21	0.00	0	0	0	154		21	0.00	0	0	0	776
	22	0.00	0	0	0	329		22	0.00	0	0	0	154		22	0.00	0	0	0	776
	23	0.00	0	0	0	320		23	0.00	0	0	0	154		23	0.00	0	0	0	776

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1 ----
DEC 6	0	0.00	0	0	0	691	DEC 8	0	0.00	0	0	0	458	DEC 10	0	0.00	0	0	0	427
	1	0.00	0	0	0	691		1	0.00	0	0	0	427		1	0.00	0	0	0	427
	2	0.00	0	0	0	668		2	0.00	0	0	0	427		2	0.00	0	0	0	427
	3	0.00	0	0	0	656		3	0.00	0	0	0	427		3	0.00	0	0	0	427
	4	0.00	0	0	0	644		4	0.00	0	0	0	427		4	0.00	0	0	0	427
	5	0.00	0	0	0	656		5	0.00	0	0	0	427		5	0.00	0	0	0	427
	6	0.00	0	0	0	656		6	0.00	0	0	0	427		6	0.00	0	0	0	427
	7	0.00	0	0	0	644		7	0.00	0	0	0	427		7	0.00	0	0	0	427
	8	0.00	0	0	0	656		8	0.00	0	0	0	427		8	0.00	0	0	0	427
	9	0.00	0	0	0	656		9	0.00	0	0	0	427		9	0.00	0	0	0	427
	10	0.00	0	0	0	644		10	0.00	0	0	0	427		10	0.00	0	0	0	427
	11	0.00	0	0	0	656		11	0.00	0	0	0	427		11	0.00	0	0	0	427
	12	0.00	0	0	0	656		12	0.00	0	0	0	427		12	0.00	0	0	0	427
	13	0.00	0	0	0	644		13	0.00	0	0	0	458		13	0.00	0	0	0	437
	14	0.00	0	0	0	656		14	0.00	0	0	0	543		14	0.01	0	0	0	427
	15	0.00	0	0	0	656		15	0.00	0	0	0	521		15	0.00	0	0	0	500
	16	0.00	0	0	0	644		16	0.00	0	0	0	532		16	0.05	0	0	0	532
	17	0.00	0	0	0	656		17	0.00	0	0	0	532		17	0.02	0	0	0	510
	18	0.00	0	0	0	656		18	0.00	0	0	0	543		18	0.04	0	0	0	532
	19	0.00	0	0	0	656		19	0.00	0	0	0	532		19	0.02	0	0	0	565
	20	0.00	0	0	0	644		20	0.00	0	0	0	532		20	0.06	0	1	12	763
	21	0.00	0	0	0	633		21	0.00	0	0	0	543		21	0.19	0	38	238	1869
	22	0.00	0	0	0	554		22	0.00	0	0	0	510		22	0.13	0	38	712	2830
	23	0.00	0	0	0	532		23	0.00	0	0	0	489		23	0.06	0	38	528	5005
DEC 7	0	0.00	0	0	0	543	DEC 9	0	0.04	0	0	0	387	DEC 11	0	0.05	0	38	461	10988
	1	0.00	0	0	0	532		1	0.01	0	0	0	480		1	0.00	0	38	309	11978
	2	0.00	0	0	0	532		2	0.00	0	0	0	470		2	0.00	0	39	217	11276
	3	0.00	0	0	0	543		3	0.00	0	0	0	427		3	0.00	0	38	191	9336
	4	0.00	0	0	0	532		4	0.00	0	0	0	427		4	0.00	0	38	190	6915
	5	0.00	0	0	0	532		5	0.00	0	0	0	427		5	0.00	0	38	177	5574
	6	0.00	0	0	0	543		6	0.00	0	0	0	437		6	0.00	0	38	153	4784
	7	0.00	0	0	0	532		7	0.00	0	0	0	427		7	0.01	0	38	153	4265
	8	0.00	0	0	0	543		8	0.00	0	0	0	427		8	0.00	0	38	152	3786
	9	0.00	0	0	0	532		9	0.01	0	0	0	417		9	0.00	0	39	152	3425
	10	0.00	0	0	0	532		10	0.03	0	0	0	437		10	0.00	0	38	150	3171
	11	0.00	0	0	0	543		11	0.03	0	0	0	427		11	0.00	0	38	150	2848
	12	0.00	0	0	0	532		12	0.00	0	0	0	427		12	0.01	0	38	152	2701
	13	0.00	0	0	0	532		13	0.01	0	0	0	510		13	0.00	0	38	152	2537
	14	0.00	0	0	0	532		14	0.00	0	0	0	532		14	0.00	0	38	152	2448
	15	0.00	0	0	0	532		15	0.00	0	0	0	543		15	0.00	0	29	138	2448
	16	0.00	0	0	0	532		16	0.00	0	0	0	532		16	0.00	0	0	114	3268
	17	0.00	0	0	0	532		17	0.00	0	0	0	543		17	0.00	0	0	114	3113
	18	0.00	0	0	0	532		18	0.00	0	0	0	489		18	0.00	0	0	114	2999
	19	0.00	0	0	0	543		19	0.00	0	0	0	468		19	0.00	0	0	115	2811
	20	0.00	0	0	0	532		20	0.00	0	0	0	427		20	0.00	0	0	114	2664
	21	0.00	0	0	0	532		21	0.00	0	0	0	427		21	0.00	0	0	115	2502
	22	0.00	0	0	0	543		22	0.00	0	0	0	427		22	0.00	0	0	114	2360
	23	0.00	0	0	0	521		23	0.00	0	0	0	427		23	0.00	0	0	114	2325

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ---	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ---	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1 ---
DEC 12	0	0.00	0	0	115	2204	DEC 14	0	0.00	0	0	77	656	DEC 16	0	0.00	0	0	78	656
	1	0.00	0	0	115	2152		1	0.00	0	0	76	656		1	0.00	0	0	78	656
	2	0.00	0	0	115	2135		2	0.00	0	0	76	656		2	0.00	0	0	73	644
	3	0.00	0	0	115	2001		3	0.00	0	0	76	656		3	0.00	0	0	72	656
	4	0.00	0	0	115	1984		4	0.00	0	0	76	668		4	0.00	0	0	78	656
	5	0.00	0	0	114	1984		5	0.00	0	0	76	691		5	0.00	0	0	78	656
	6	0.00	0	0	114	1951		6	0.02	0	0	130	679		6	0.00	0	0	78	656
	7	0.00	0	0	115	1869		7	0.00	0	0	136	776		7	0.00	0	0	78	656
	8	0.00	0	0	114	1804		8	0.00	0	0	115	776		8	0.00	0	0	75	656
	9	0.00	0	0	113	1804		9	0.00	0	0	110	776		9	0.00	0	0	75	644
	10	0.00	0	0	111	1804		10	0.00	0	0	78	776		10	0.00	0	0	78	656
	11	0.00	0	0	114	1693		11	0.03	0	0	100	776		11	0.00	0	0	77	656
	12	0.00	0	0	140	1646		12	0.00	0	0	144	776		12	0.00	0	0	73	644
	13	0.00	0	0	114	1661		13	0.00	0	0	115	863		13	0.00	0	0	78	656
	14	0.00	0	0	114	1724		14	0.00	0	0	114	902		14	0.00	0	0	78	656
	15	0.00	0	0	115	1804		15	0.00	0	0	74	902		15	0.00	0	0	78	656
	16	0.00	0	0	114	1772		16	0.00	0	0	76	876		16	0.00	0	0	75	703
	17	0.00	0	0	114	1709		17	0.00	0	0	77	776		17	0.00	0	0	72	751
	18	0.00	0	0	115	1646		18	0.00	0	0	76	776		18	0.00	0	0	75	703
	19	0.00	0	0	114	1646		19	0.01	0	0	76	776		19	0.00	0	0	68	656
	20	0.00	0	0	114	1646		20	0.00	0	0	76	776		20	0.00	0	0	42	668
	21	0.00	0	0	115	1646		21	0.00	0	0	77	776		21	0.00	0	0	36	727
	22	0.00	0	0	88	1584		22	0.01	0	0	76	776		22	0.00	0	0	36	644
	23	0.00	0	0	77	1492		23	0.00	0	0	76	763		23	0.00	0	0	36	656
DEC 13	0	0.00	0	0	76	1492	DEC 15	0	0.00	0	0	76	763	DEC 17	0	0.00	0	0	36	656
	1	0.00	0	0	76	1492		1	0.01	0	0	77	751		1	0.00	0	0	36	644
	2	0.00	0	0	76	1477		2	0.00	0	0	76	763		2	0.00	0	0	37	656
	3	0.00	0	0	77	1477		3	0.00	0	0	76	679		3	0.00	0	0	42	633
	4	0.00	0	0	69	1357		4	0.00	0	0	76	644		4	0.00	0	0	42	587
	5	0.00	0	0	69	1328		5	0.00	0	0	77	656		5	0.00	0	0	37	554
	6	0.00	0	0	69	1343		6	0.00	0	0	76	656		6	0.00	0	0	36	599
	7	0.00	0	0	76	1285		7	0.00	0	0	76	644		7	0.00	0	0	36	576
	8	0.00	0	0	77	1185		8	0.00	0	0	76	656		8	0.00	0	0	36	532
	9	0.00	0	0	76	1185		9	0.00	0	0	77	656		9	0.00	0	0	39	532
	10	0.00	0	0	76	1185		10	0.00	0	0	76	656		10	0.00	0	0	42	543
	11	0.00	0	0	76	1185		11	0.00	0	0	78	644		11	0.00	0	0	41	532
	12	0.00	0	0	76	1185		12	0.00	0	0	78	656		12	0.00	0	0	36	532
	13	0.00	0	0	76	1227		13	0.00	0	0	73	644		13	0.01	0	0	36	532
	14	0.00	0	0	76	1328		14	0.00	0	0	72	656		14	0.00	0	0	42	543
	15	0.00	0	0	76	1242		15	0.00	0	0	78	656		15	0.00	0	0	49	532
	16	0.00	0	0	76	914		16	0.00	0	0	78	656		16	0.00	0	0	38	532
	17	0.00	0	0	76	902		17	0.00	0	0	78	644		17	0.00	0	0	41	576
	18	0.00	0	0	76	876		18	0.00	0	0	78	656		18	0.00	0	0	36	554
	19	0.00	0	0	76	813		19	0.00	0	0	75	656		19	0.00	0	0	36	543
	20	0.00	0	0	77	776		20	0.00	0	0	75	644		20	0.00	0	0	39	532
	21	0.00	0	0	76	763		21	0.00	0	0	78	656		21	0.00	0	0	39	543
	22	0.00	0	0	76	751		22	0.00	0	0	77	656		22	0.00	0	0	36	532
	23	0.00	0	0	76	703		23	0.00	0	0	73	644		23	0.00	0	0	39	532

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
DEC 18	0	0.00	0	0	39	543	DEC 20	0	0.00	0	0	39	427	DEC 22	0	0.00	0	0	39	1033
	1	0.00	0	0	39	532		1	0.00	0	0	39	427		1	0.00	0	0	36	1033
	2	0.00	0	0	39	532		2	0.00	0	0	39	417		2	0.00	0	0	36	1033
	3	0.00	0	0	39	510		3	0.00	0	0	39	427		3	0.00	0	0	36	1047
	4	0.00	0	0	39	500		4	0.00	0	0	39	427		4	0.00	0	0	38	1047
	5	0.00	0	0	39	489		5	0.00	0	0	39	407		5	0.00	0	0	42	1047
	6	0.00	0	0	39	521		6	0.00	0	0	39	417		6	0.00	0	0	42	1047
	7	0.00	0	0	39	543		7	0.00	0	0	39	407		7	0.00	0	0	36	1047
	8	0.00	0	0	39	510		8	0.00	0	0	39	427		8	0.00	0	0	36	1047
	9	0.00	0	0	39	500		9	0.00	0	0	39	417		9	0.00	0	0	36	1047
	10	0.00	0	0	39	510		10	0.00	0	0	39	427		10	0.00	0	0	36	1047
	11	0.00	0	0	39	500		11	0.00	0	0	39	427		11	0.00	0	0	40	1047
	12	0.00	0	0	38	510		12	0.00	0	0	39	427		12	0.00	0	0	42	1047
	13	0.00	0	0	36	543		13	0.00	0	0	39	427		13	0.00	0	0	42	1047
	14	0.00	0	0	36	532		14	0.00	0	0	39	427		14	0.00	0	0	42	1033
	15	0.00	0	0	36	532		15	0.01	0	0	39	500		15	0.00	0	0	42	1047
	16	0.00	0	0	36	543		16	0.04	0	0	42	532		16	0.01	0	0	42	1060
	17	0.00	0	0	38	532		17	0.06	0	0	111	621		17	0.00	0	0	36	1047
	18	0.00	0	0	42	532		18	0.02	0	0	114	739		18	0.00	0	0	36	1033
	19	0.00	0	0	42	532		19	0.02	0	0	115	954		19	0.00	0	0	36	1047
	20	0.00	0	0	36	543		20	0.01	0	0	153	1171		20	0.00	0	0	36	1047
	21	0.00	0	0	36	489		21	0.00	0	0	237	1417		21	0.00	0	0	36	1033
	22	0.00	0	0	36	489		22	0.00	0	0	299	1740		22	0.00	0	0	36	1047
	23	0.00	0	0	36	468		23	0.00	0	0	340	1804		23	0.00	0	0	42	1047
DEC 19	0	0.00	0	0	36	543	DEC 21	0	0.00	0	0	278	1820	DEC 23	0	0.00	0	0	42	1033
	1	0.00	0	0	41	500		1	0.00	0	0	188	1724		1	0.00	0	0	39	1047
	2	0.00	0	0	42	479		2	0.00	0	0	134	1661		2	0.00	0	0	36	1047
	3	0.00	0	0	42	532		3	0.00	0	0	114	1507		3	0.00	0	0	36	1033
	4	0.00	0	0	36	500		4	0.00	0	0	90	1432		4	0.00	0	0	36	1047
	5	0.00	0	0	36	500		5	0.00	0	0	80	1343		5	0.00	0	0	36	1047
	6	0.00	0	0	36	437		6	0.00	0	0	78	1270		6	0.00	0	0	36	1047
	7	0.00	0	0	36	427		7	0.00	0	0	59	1185		7	0.00	0	0	36	1033
	8	0.00	0	0	36	427		8	0.00	0	0	54	1143		8	0.00	0	0	36	1047
	9	0.00	0	0	36	437		9	0.00	0	0	75	1047		9	0.00	0	0	38	1047
	10	0.00	0	0	36	427		10	0.00	0	0	78	1047		10	0.00	0	0	42	1033
	11	0.00	0	0	41	427		11	0.00	0	0	63	1047		11	0.00	0	0	42	1047
	12	0.00	0	0	42	427		12	0.00	0	0	42	1047		12	0.00	0	0	36	1047
	13	0.00	0	0	42	427		13	0.00	0	0	41	1033		13	0.00	0	0	36	1033
	14	0.00	0	0	42	427		14	0.00	0	0	36	1047		14	0.00	0	0	36	1047
	15	0.00	0	0	39	427		15	0.00	0	0	36	1047		15	0.00	0	0	36	1047
	16	0.00	0	0	39	427		16	0.00	0	0	36	1033		16	0.00	0	0	41	1047
	17	0.00	0	0	39	427		17	0.00	0	0	36	1047		17	0.00	0	0	42	1033
	18	0.00	0	0	39	427		18	0.00	0	0	36	1033		18	0.00	0	0	39	1047
	19	0.00	0	0	39	427		19	0.00	0	0	36	1033		19	0.00	0	0	36	1047
	20	0.00	0	0	39	427		20	0.00	0	0	36	1033		20	0.00	0	0	36	1033
	21	0.00	0	0	39	427		21	0.00	0	0	36	1033		21	0.00	0	0	36	1047
	22	0.00	0	0	39	427		22	0.00	0	0	41	1033		22	0.00	0	0	36	1047
	23	0.00	0	0	39	427		23	0.00	0	0	42	1033		23	0.00	0	0	36	1033

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	ELF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
DEC 24	0	0.00	0	0	36	967	DEC 26	0	0.00	7	0	36	656	DEC 28	0	0.00	0	0	-1	532
	1	0.00	0	0	37	817		1	0.00	7	0	36	656		1	0.00	0	0	-1	532
	2	0.00	0	0	42	664		2	0.00	7	0	36	644		2	0.00	0	0	-1	543
	3	0.00	0	0	42	656		3	0.00	6	0	40	656		3	0.00	0	0	-1	532
	4	0.00	0	0	42	656		4	0.00	7	0	42	656		4	0.00	0	0	-1	543
	5	0.00	0	0	41	644		5	0.00	6	0	42	644		5	0.00	0	0	-1	532
	6	0.00	0	0	36	656		6	0.00	6	0	42	656		6	0.00	0	0	-1	532
	7	0.00	0	0	36	656		7	0.00	7	0	42	656		7	0.00	0	0	-1	532
	8	0.00	0	0	36	656		8	0.00	7	0	42	656		8	0.00	0	0	-1	532
	9	0.00	0	0	36	644		9	0.00	7	0	42	644		9	0.00	0	0	-1	510
	10	0.00	0	0	42	644		10	0.00	6	0	-1	644		10	0.00	0	0	-1	479
	11	0.00	0	0	42	621		11	0.00	7	0	-1	633		11	0.00	0	0	-1	468
	12	0.00	0	0	38	633		12	0.00	0	0	-1	610		12	0.00	0	0	-1	489
	13	0.00	0	0	36	656		13	0.00	0	0	-1	633		13	0.00	0	0	-1	500
	14	0.00	0	0	36	625		14	0.00	0	0	-1	656		14	0.00	0	0	-1	521
	15	0.00	0	0	36	589		15	0.00	0	0	-1	644		15	0.00	0	0	-1	532
	16	0.00	0	0	39	676		16	0.00	0	0	-1	656		16	0.00	0	0	-1	532
	17	0.00	0	0	42	625		17	0.00	0	0	-1	660		17	0.00	0	0	-1	543
	18	0.00	0	0	41	663		18	0.00	0	0	-1	679		18	0.00	0	0	-1	532
	19	0.00	0	0	36	627		19	0.00	0	0	-1	656		19	0.00	0	0	-1	532
	20	0.00	0	0	36	668		20	0.00	0	0	-1	656		20	0.00	0	0	-1	543
	21	0.00	0	0	36	656		21	0.00	0	0	-1	656		21	0.00	0	0	-1	532
	22	0.00	0	0	36	656		22	0.00	0	0	-1	644		22	0.00	0	0	-1	532
	23	0.00	0	0	41	656		23	0.00	0	0	-1	656		23	0.00	0	0	-1	543
DEC 25	0	0.00	0	0	42	644	DEC 27	0	0.00	0	0	-1	656	DEC 29	0	0.00	0	0	-1	510
	1	0.00	0	0	39	656		1	0.00	0	0	-1	644		1	0.00	0	0	-1	468
	2	0.00	0	0	39	656		2	0.00	0	0	-1	656		2	0.00	0	0	-1	447
	3	0.00	0	0	41	644		3	0.00	0	0	-1	656		3	0.00	0	0	-1	427
	4	0.00	2	0	42	656		4	0.00	0	0	-1	644		4	0.00	0	0	-1	427
	5	0.00	7	0	36	656		5	0.00	0	0	-1	644		5	0.00	0	0	-1	427
	6	0.00	7	0	36	644		6	0.00	0	0	-1	644		6	0.00	0	0	-1	427
	7	0.00	6	0	41	656		7	0.00	0	0	-1	621		7	0.00	0	0	-1	398
	8	0.00	7	0	38	656		8	0.00	0	0	-1	599		8	0.00	0	0	-1	387
	9	0.00	7	0	36	644		9	0.00	0	0	-1	587		9	0.00	0	0	-1	377
	10	0.00	6	0	36	656		10	0.00	0	0	-1	587		10	0.00	0	0	-1	329
	11	0.00	2	0	36	656		11	0.00	0	0	-1	576		11	0.00	0	0	-1	329
	12	0.00	0	0	36	656		12	0.00	0	0	-1	587		12	0.00	0	0	-1	275
	13	0.00	0	0	36	644		13	0.00	0	0	-1	633		13	0.00	0	0	-1	161
	14	0.00	0	0	36	656		14	0.00	0	0	-1	656		14	0.00	0	0	-1	176
	15	0.00	0	0	38	715		15	0.00	0	0	-1	644		15	0.00	0	0	-1	192
	16	0.00	0	0	40	739		16	0.00	0	0	-1	656		16	0.00	0	0	-1	192
	17	0.00	0	0	36	715		17	0.00	0	0	-1	656		17	0.00	0	0	-1	207
	18	0.00	0	0	36	656		18	0.00	0	0	-1	644		18	0.00	0	0	-1	240
	19	0.00	0	0	37	656		19	0.00	0	0	-1	656		19	0.00	0	0	-1	232
	20	0.00	0	0	42	644		20	0.00	0	0	-1	656		20	0.00	0	0	-1	232
	21	0.00	1	0	39	656		21	0.00	0	0	-1	644		21	0.00	0	0	-1	232
	22	0.00	7	0	39	656		22	0.00	0	0	-1	633		22	0.00	0	0	-1	224
	23	0.00	6	0	36	656		23	0.00	0	0	-1	565		23	0.00	0	0	-1	192

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
DEC 30	0	0.00	0	0	-1	161	JAN 1	0	0.00	0	0	0	132	JAN 3	0	0.00	0	0	0	154
	1	0.00	0	0	-1	154		1	0.00	0	0	0	132		1	0.00	0	0	0	154
	2	0.00	0	0	-1	154		2	0.00	0	0	0	112		2	0.00	0	0	0	154
	3	0.00	0	0	-1	154		3	0.00	0	0	0	125		3	0.00	0	0	0	146
	4	0.00	0	0	-1	154		4	0.00	0	0	0	125		4	0.00	0	0	0	146
	5	0.00	0	0	-1	154		5	0.00	0	0	0	125		5	0.00	0	0	0	146
	6	0.00	0	0	-1	154		6	0.00	0	0	0	105		6	0.00	0	0	0	146
	7	0.00	0	0	-1	154		7	0.00	0	0	0	105		7	0.00	0	0	0	146
	8	0.00	0	0	-1	154		8	0.00	0	0	0	105		8	0.00	0	0	0	139
	9	0.00	0	0	-1	154		9	0.00	0	0	0	105		9	0.00	0	0	0	146
	10	0.00	0	0	-1	154		10	0.00	0	0	0	105		10	0.00	0	0	0	132
	11	0.00	0	0	-1	154		11	0.00	0	0	0	112		11	0.00	0	0	0	132
	12	0.00	0	0	-1	154		12	0.00	0	0	0	118		12	0.00	0	0	0	132
	13	0.00	0	0	0	154		13	0.00	0	0	0	125		13	0.00	0	0	0	125
	14	0.00	0	0	0	154		14	0.00	0	0	0	125		14	0.00	0	0	0	118
	15	0.00	0	0	0	154		15	0.00	0	0	0	154		15	0.00	0	0	0	146
	16	0.00	0	0	0	154		16	0.00	0	0	0	154		16	0.00	0	0	0	146
	17	0.00	0	0	0	154		17	0.00	0	0	0	154		17	0.00	0	0	0	146
	18	0.00	0	0	0	154		18	0.00	0	0	0	154		18	0.00	0	0	0	154
	19	0.00	0	0	0	154		19	0.00	0	0	0	154		19	0.00	0	0	0	154
	20	0.00	0	0	0	154		20	0.00	0	0	0	154		20	0.00	0	0	0	154
	21	0.00	0	0	0	154		21	0.00	0	0	0	154		21	0.00	0	0	0	154
	22	0.00	0	0	0	154		22	0.00	0	0	0	154		22	0.00	0	0	0	154
	23	0.00	0	0	0	154		23	0.00	0	0	0	154		23	0.00	0	0	0	154
DEC 31	0	0.00	0	0	0	154	JAN 2	0	0.00	0	0	0	161	JAN 4	0	0.00	0	0	0	152
	1	0.00	0	0	0	154		1	0.00	0	0	0	154		1	0.00	0	0	0	139
	2	0.00	0	0	0	154		2	0.00	0	0	0	154		2	0.00	0	0	0	132
	3	0.00	0	0	0	154		3	0.00	0	0	0	154		3	0.00	0	0	0	118
	4	0.00	0	0	0	154		4	0.00	0	0	0	154		4	0.00	0	0	0	105
	5	0.00	0	0	0	154		5	0.00	0	0	0	146		5	0.00	0	0	0	99
	6	0.00	0	0	0	154		6	0.00	0	0	0	154		6	0.00	0	0	0	95
	7	0.00	0	0	0	154		7	0.00	0	0	0	146		7	0.00	0	0	0	86
	8	0.00	0	0	0	154		8	0.00	0	0	0	139		8	0.00	0	0	0	86
	9	0.00	0	0	0	154		9	0.00	0	0	0	132		9	0.00	0	0	0	86
	10	0.00	0	0	0	154		10	0.00	0	0	0	132		10	0.00	0	0	0	86
	11	0.00	0	0	0	154		11	0.00	0	0	0	125		11	0.00	0	0	0	80
	12	0.00	0	0	0	154		12	0.00	0	0	0	112		12	0.00	0	0	0	86
	13	0.00	0	0	0	154		13	0.00	0	0	0	118		13	0.00	0	0	0	86
	14	0.00	0	0	0	154		14	0.00	0	0	0	125		14	0.00	0	0	0	80
	15	0.00	0	0	0	154		15	0.00	0	0	0	146		15	0.00	0	0	0	86
	16	0.00	0	0	0	154		16	0.00	0	0	0	154		16	0.00	0	0	0	86
	17	0.00	0	0	0	154		17	0.00	0	0	0	154		17	0.00	0	0	0	80
	18	0.00	0	0	0	154		18	0.00	0	0	0	154		18	0.00	0	0	0	86
	19	0.00	0	0	0	154		19	0.00	0	0	0	154		19	0.00	0	0	0	86
	20	0.00	0	0	0	146		20	0.00	0	0	0	154		20	0.00	0	0	0	86
	21	0.00	0	0	0	146		21	0.00	0	0	0	154		21	0.00	0	0	0	80
	22	0.00	0	0	0	146		22	0.00	0	0	0	154		22	0.00	0	0	0	86
	23	0.00	0	0	0	139		23	0.00	0	0	0	154		23	0.00	0	0	0	86

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
JAN 5	0	0.00	0	0	0	80	JAN 7	0	0.00	0	0	0	86	JAN 9	0	0.00	0	0	-1	80
	1	0.00	0	0	0	86		1	0.00	0	0	0	80		1	0.00	0	0	-1	86
	2	0.00	0	0	0	86		2	0.00	0	0	0	86		2	0.00	0	0	-1	86
	3	0.00	0	0	0	80		3	0.00	0	0	0	86		3	0.00	0	0	-1	80
	4	0.00	0	0	0	86		4	0.00	0	0	0	80		4	0.00	0	0	-1	86
	5	0.00	0	0	0	86		5	0.00	0	0	0	86		5	0.00	0	0	-1	86
	6	0.00	0	0	0	80		6	0.00	0	0	0	86		6	0.00	0	0	-1	80
	7	0.00	0	0	0	86		7	0.00	0	0	0	80		7	0.00	0	0	-1	86
	8	0.00	0	0	0	86		8	0.00	0	0	0	86		8	0.00	0	0	-1	86
	9	0.00	0	0	0	80		9	0.00	0	0	0	86		9	0.00	0	0	-1	80
	10	0.00	0	0	0	86		10	0.00	0	0	0	80		10	0.00	0	0	-1	86
	11	0.00	0	0	0	86		11	0.00	0	0	0	86		11	0.00	0	0	-1	86
	12	0.00	0	0	0	86		12	0.00	0	0	0	86		12	0.00	0	0	-1	86
	13	0.00	0	0	0	80		13	0.00	0	0	0	86		13	0.01	0	0	-1	80
	14	0.00	0	0	0	93		14	0.00	0	0	0	80		14	0.01	0	0	-1	86
	15	0.00	0	0	0	80		15	0.00	0	0	0	86		15	0.00	0	0	-1	86
	16	0.00	0	0	0	86		16	0.00	0	0	0	86		16	0.00	0	0	-1	80
	17	0.00	0	0	0	93		17	0.00	0	0	0	80		17	0.00	0	0	-1	86
	18	0.00	0	0	0	89		18	0.00	0	0	0	86		18	0.00	0	0	-1	86
	19	0.00	0	0	0	85		19	0.00	0	0	0	86		19	0.00	0	0	-1	80
	20	0.00	0	0	0	83		20	0.00	0	0	0	80		20	0.00	0	0	-1	86
	21	0.00	0	0	0	85		21	0.00	0	0	0	86		21	0.02	0	0	-1	86
	22	0.00	0	0	0	93		22	0.00	0	0	0	86		22	0.03	0	0	-1	80
	23	0.00	0	0	0	86		23	0.00	0	0	0	80		23	0.03	0	0	-1	63
JAN 6	0	0.00	0	0	0	86	JAN 8	0	0.00	0	0	0	86	JAN 10	0	0.10	0	0	-1	29
	1	0.00	0	0	0	86		1	0.00	0	0	0	86		1	0.02	0	0	-1	80
	2	0.00	0	0	0	86		2	0.00	0	0	0	80		2	0.12	3	0	-1	691
	3	0.00	0	0	0	80		3	0.00	0	0	0	86		3	0.17	8	14	200	1772
	4	0.00	0	0	0	86		4	0.00	0	0	0	86		4	0.17	4	111	282	4097
	5	0.00	0	0	0	86		5	0.00	0	0	0	80		5	0.18	8	198	840	9803
	6	0.00	0	0	0	80		6	0.00	0	0	0	86		6	0.24	150	406	1380	17922
	7	0.00	0	0	0	86		7	0.00	0	0	0	86		7	0.21	206	445	2437	45620
	8	0.00	0	0	0	86		8	0.00	0	0	0	80		8	0.10	40	178	1436	75421
	9	0.00	0	0	0	80		9	0.00	0	0	-1	86		9	0.01	6	39	450	19524
	10	0.00	0	0	0	86		10	0.00	0	0	-1	86		10	0.00	7	32	231	35126
	11	0.00	0	0	0	86		11	0.00	0	0	-1	80		11	0.03	7	38	158	18497
	12	0.00	0	0	0	80		12	0.00	0	0	-1	86		12	0.04	7	38	154	11684
	13	0.00	0	0	0	86		13	0.00	0	0	-1	86		13	0.00	6	39	167	8135
	14	0.00	0	0	0	86		14	0.00	0	0	-1	86		14	0.00	7	38	154	6522
	15	0.00	0	0	0	86		15	0.00	0	0	-1	80		15	0.00	7	39	144	5321
	16	0.00	0	0	0	80		16	0.00	0	0	-1	86		16	0.00	6	38	114	4587
	17	0.00	0	0	0	86		17	0.00	0	0	-1	86		17	0.00	7	38	114	3705
	18	0.00	0	0	0	86		18	0.00	0	0	-1	80		18	0.00	6	38	94	3037
	19	0.00	0	0	0	80		19	0.00	0	0	-1	86		19	0.00	7	38	78	2573
	20	0.00	0	0	0	86		20	0.00	0	0	-1	86		20	0.00	7	39	75	2051
	21	0.00	0	0	0	86		21	0.00	0	0	-1	80		21	0.00	7	38	72	1804
	22	0.00	0	0	0	80		22	0.00	0	0	-1	86		22	0.00	7	38	77	1646
	23	0.00	0	0	0	86		23	0.00	0	0	-1	86		23	0.00	7	38	78	1492



HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----
JAN 11	0	0.00	6	38	75	1199	JAN 13	0	0.00	0	98	117	656	JAN 15	0	0.00	0	-1	114	4565
	1	0.02	7	50	78	1185		1	0.00	0	61	114	599		1	0.00	0	-1	114	3910
	2	0.06	6	245	170	1101		2	0.00	0	37	114	532		2	0.00	0	-1	114	3725
	3	0.06	8	399	402	1447		3	0.00	0	40	114	532		3	0.00	0	-1	114	3624
	4	0.07	97	793	1385	3018		4	0.00	0	42	114	479		4	0.00	0	-1	114	3405
	5	0.06	14	304	1183	7773		5	0.00	0	42	114	427		5	0.00	0	-1	114	3248
	6	0.07	110	663	1352	13792		6	0.00	0	42	114	437		6	0.00	0	-1	114	3094
	7	0.03	39	448	1509	19248		7	0.00	0	18	114	427		7	0.00	0	-1	114	3037
	8	0.02	10	206	745	27076		8	0.00	0	18	114	427		8	0.00	0	-1	114	2942
	9	0.01	7	148	551	19628		9	0.00	0	18	114	427		9	0.00	0	-1	114	2848
	10	0.01	7	156	435	13545		10	0.00	0	18	114	427		10	0.00	0	-1	114	2701
	11	0.01	5	196	538	10193		11	0.01	0	39	115	427		11	0.00	0	-1	114	2701
	12	0.00	0	292	650	8662		12	0.01	0	47	161	427		12	0.00	0	-1	115	2774
	13	0.01	0	455	593	8005		13	0.02	0	39	202	500		13	0.00	0	-1	115	3113
	14	0.00	0	563	389	7214		14	0.02	0	38	188	576		14	0.00	0	-1	115	3848
	15	0.00	0	230	298	6353		15	0.02	0	38	192	656		15	0.00	0	-1	115	4244
	16	0.00	0	114	271	5276		16	0.00	0	39	192	644		16	0.00	0	-1	115	4479
	17	0.00	0	87	341	4479		17	0.00	0	38	160	656		17	0.00	0	-1	115	4414
	18	0.00	0	76	284	5321		18	0.00	0	38	153	656		18	0.00	0	-1	115	4286
	19	0.00	0	75	240	3075		19	0.00	0	38	123	644		19	0.00	0	-1	115	4076
	20	0.00	0	38	213	2610		20	0.00	0	38	114	610		20	0.00	0	-1	115	3848
	21	0.00	0	38	191	2204		21	0.00	0	38	114	532		21	0.00	0	-1	117	3584
	22	0.00	0	38	165	1804		22	0.00	0	39	114	532		22	0.00	0	-1	117	3385
	23	0.00	0	39	152	1709		23	0.00	0	39	114	543		23	0.00	0	-1	114	3190
JAN 12	0	0.00	0	39	129	1646	JAN 14	0	0.03	2	39	118	532	JAN 16	0	0.00	0	-1	114	3094
	1	0.00	0	39	115	1343		1	0.17	4	398	457	554		1	0.00	0	-1	114	3075
	2	0.00	0	39	114	1213		2	0.06	8	633	1041	3746		2	0.00	0	-1	114	2961
	3	0.01	0	39	114	1060		3	0.01	6	194	493	13361		3	0.00	0	-1	114	2886
	4	0.01	0	39	115	1033		4	0.02	7	114	319	12966		4	0.00	0	-1	114	2905
	5	0.00	0	39	114	1033		5	0.00	4	114	427	12215		5	0.00	0	-1	114	2886
	6	0.00	0	38	115	703		6	0.01	3	114	397	10931		6	0.00	0	-1	114	2886
	7	0.00	0	38	114	644		7	0.00	0	99	363	8424		7	0.00	0	-1	114	2830
	8	0.00	0	38	114	656		8	0.00	0	91	347	8005		8	0.00	0	-1	116	2793
	9	0.00	0	38	115	656		9	0.00	0	77	251	7314		9	0.00	0	-1	114	2701
	10	0.00	0	38	114	644		10	0.00	0	77	228	7164		10	0.00	0	-1	114	2719
	11	0.00	0	38	137	621		11	0.00	0	76	238	6546		11	0.00	0	-1	114	2701
	12	0.00	0	39	169	656		12	0.00	0	76	281	6066		12	0.00	0	-1	132	2774
	13	0.00	0	41	291	666		13	0.00	0	76	270	5736		13	0.00	0	-1	176	3113
	14	0.00	0	45	472	679		14	0.00	0	75	267	5830		14	0.00	0	-1	152	3464
	15	0.00	0	54	474	1033		15	0.00	0	77	294	5900		15	0.00	0	-1	150	3484
	16	0.00	0	77	379	1227		16	0.00	0	76	268	6232		16	0.00	0	-1	150	3504
	17	0.00	0	85	302	1285		17	0.00	0	76	243	6304		17	0.00	0	-1	155	2101
	18	0.00	0	80	245	1185		18	0.00	0	68	196	6185		18	0.00	0	-1	152	2034
	19	0.00	0	94	167	1074		19	0.00	0	65	119	6018		19	0.00	0	-1	114	1837
	20	0.00	0	101	131	889		20	0.00	0	65	114	5050		20	0.00	0	-1	114	1804
	21	0.00	0	98	130	656		21	0.00	0	-1	114	4894		21	0.00	0	-1	114	1788
	22	0.00	0	98	149	656		22	0.00	0	-1	114	4501		22	0.00	0	-1	117	1788
	23	0.00	0	102	107	644		23	0.00	0	-1	116	5208		23	0.00	0	-1	114	1756

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----
JAN 17	0	0.00	0	-1	114	1740	JAN 19	0	0.00	0	-1	115	1646	JAN 21	0	0.00	0	0	39	1185
	1	0.00	0	-1	114	1646		1	0.00	0	-1	115	1646		1	0.00	0	0	36	1185
	2	0.00	0	-1	114	1646		2	0.00	0	-1	114	1646		2	0.00	0	0	36	1185
	3	0.00	0	-1	114	1646		3	0.00	0	-1	114	1646		3	0.00	0	0	36	1185
	4	0.00	0	-1	114	1646		4	0.00	0	-1	114	1646		4	0.00	0	0	36	1185
	5	0.00	0	-1	117	1646		5	0.00	0	-1	114	1646		5	0.00	0	0	36	1185
	6	0.00	0	-1	114	1646		6	0.00	0	-1	114	1646		6	0.00	0	0	36	1185
	7	0.00	0	-1	114	1646		7	0.01	0	-1	114	1661		7	0.00	0	0	36	1185
	8	0.00	0	-1	114	1646		8	0.00	0	-1	114	1693		8	0.00	0	0	36	1171
	9	0.00	0	-1	114	1788		9	0.00	0	-1	114	1788		9	0.02	0	0	36	1171
	10	0.00	0	-1	114	1820		10	0.00	0	-1	114	1804		10	0.00	0	0	36	1185
	11	0.00	0	-1	114	1804		11	0.00	0	-1	114	1820		11	0.00	0	0	36	1185
	12	0.00	0	-1	114	1804		12	0.00	0	-1	114	1869		12	0.00	0	0	36	1213
	13	0.00	0	-1	114	1802		13	0.00	0	-1	114	1984		13	0.01	0	0	38	1402
	14	0.00	0	-1	114	1742		14	0.00	0	-1	114	1853		14	0.00	0	0	36	1646
	15	0.00	0	-1	114	1740		15	0.00	0	-1	114	1820		15	0.00	0	0	36	1661
	16	0.00	0	-1	114	1704		16	0.00	0	-1	114	1902		16	0.00	0	0	36	1646
	17	0.00	0	-1	114	1704		17	0.00	0	-1	114	1885		17	0.00	0	0	36	1646
	18	0.00	0	-1	114	1680		18	0.00	0	-1	114	1820		18	0.00	0	0	36	1646
	19	0.00	0	-1	114	1646		19	0.00	0	-1	114	1820		19	0.00	0	0	37	1646
	20	0.00	0	-1	114	1646		20	0.00	0	-1	114	1804		20	0.00	0	0	-1	1646
	21	0.00	0	-1	114	1646		21	0.00	0	-1	114	1820		21	0.00	0	0	-1	1646
	22	0.00	0	-1	114	1646		22	0.00	0	-1	114	1804		22	0.00	0	0	-1	1646
	23	0.00	0	-1	114	1646		23	0.00	0	-1	114	1804		23	0.00	0	0	-1	1646
JAN 18	0	0.00	0	-1	114	1646	JAN 20	0	0.00	0	-1	97	1820	JAN 22	0	0.00	0	0	-1	1646
	1	0.00	0	-1	114	1646		1	0.00	0	-1	78	1804		1	0.00	0	0	-1	1630
	2	0.00	0	-1	114	1646		2	0.00	0	-1	78	1804		2	0.00	0	0	-1	1492
	3	0.00	0	-1	116	1646		3	0.00	0	-1	72	1820		3	0.00	0	0	-1	1343
	4	0.00	0	-1	114	1646		4	0.00	0	-1	77	1804		4	0.00	0	0	-1	1199
	5	0.00	0	-1	114	1646		5	0.00	0	-1	78	1804		5	0.00	0	0	-1	1185
	6	0.00	0	-1	114	1646		6	0.00	0	-1	78	1820		6	0.00	0	0	-1	1199
	7	0.00	0	-1	114	1646		7	0.00	0	-1	78	1804		7	0.00	0	0	-1	1227
	8	0.00	0	-1	114	1646		8	0.00	0	-1	78	1804		8	0.00	0	0	-1	1242
	9	0.00	0	-1	114	1646		9	0.00	0	-1	78	1788		9	0.00	0	0	-1	1185
	10	0.00	0	-1	116	1646		10	0.00	0	-1	78	1804		10	0.00	0	0	-1	1185
	11	0.00	0	-1	114	1646		11	0.00	0	0	76	1804		11	0.00	0	0	-1	1060
	12	0.00	0	-1	114	1646		12	0.00	0	0	72	1820		12	0.00	0	0	-1	1020
	13	0.00	0	-1	114	1646		13	0.00	0	0	72	1804		13	0.00	0	0	-1	1033
	14	0.00	0	-1	114	1646		14	0.00	0	0	74	1804		14	0.00	0	0	-1	1074
	15	0.00	0	-1	114	1646		15	0.00	0	0	78	1820		15	0.00	0	0	-1	1185
	16	0.00	0	-1	114	1646		16	0.00	0	0	75	1677		16	0.00	0	0	-1	1185
	17	0.00	0	-1	114	1646		17	0.00	0	0	64	1013		17	0.00	0	0	-1	1074
	18	0.00	0	-1	114	1646		18	0.00	0	0	42	1100		18	0.00	0	0	-1	1033
	19	0.00	0	-1	116	1614		19	0.00	0	0	42	1270		19	0.00	0	0	-1	1047
	20	0.00	0	-1	114	1614		20	0.00	0	0	42	1213		20	0.00	0	0	-1	1047
	21	0.00	0	-1	114	1614		21	0.00	0	0	42	1185		21	0.00	0	0	-1	1047
	22	0.00	0	-1	114	1614		22	0.00	0	0	42	1185		22	0.00	0	0	-1	1033
	23	0.00	0	-1	114	1614		23	0.00	0	0	42	1185		23	0.00	0	0	-1	1047

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1
JAN 23	0	0.00	0	0	-1	1047	JAN 25	0	0.00	0	0	-1	1047	JAN 27	0	0.00	0	0	0	532
	1	0.00	0	0	-1	1033		1	0.00	0	0	-1	1047		1	0.01	0	0	0	543
	2	0.00	0	0	-1	1047		2	0.00	0	0	-1	1033		2	0.00	0	0	0	532
	3	0.00	0	0	-1	1047		3	0.00	0	0	-1	1047		3	0.00	0	0	0	532
	4	0.00	0	0	-1	1033		4	0.00	0	0	-1	1047		4	0.00	0	0	0	543
	5	0.00	0	0	-1	1047		5	0.00	0	0	-1	1033		5	0.00	0	0	0	576
	6	0.00	0	0	-1	1047		6	0.00	0	0	-1	1047		6	0.00	0	0	0	656
	7	0.00	0	0	-1	1047		7	0.00	0	0	-1	1047		7	0.00	0	0	0	927
	8	0.00	0	0	-1	1033		8	0.00	0	0	-1	1047		8	0.02	0	0	0	1199
	9	0.00	0	0	-1	1054		9	0.00	0	0	-1	876		9	0.01	0	0	0	1199
	10	0.00	0	0	-1	1065		10	0.00	0	0	-1	587		10	0.03	0	0	109	1101
	11	0.00	0	0	-1	1058		11	0.00	0	0	-1	587		11	0.04	0	0	169	1213
	12	0.00	0	0	-1	1050		12	0.00	0	0	-1	576		12	0.02	0	0	134	1299
	13	0.00	0	0	-1	1047		13	0.00	0	0	-1	532		13	0.00	0	0	120	1242
	14	0.00	0	0	-1	1088		14	0.00	0	0	-1	543		14	0.00	0	0	107	1185
	15	0.00	0	0	-1	1185		15	0.00	0	0	-1	532		15	0.00	0	0	95	1143
	16	0.00	0	0	-1	1185		16	0.00	0	0	-1	532		16	0.00	0	0	76	1047
	17	0.00	0	0	-1	1129		17	0.00	0	0	-1	543		17	0.00	0	0	41	1047
	18	0.00	0	0	-1	1033		18	0.00	0	0	-1	532		18	0.00	0	0	36	1047
	19	0.00	0	0	-1	1047		19	0.00	0	0	-1	532		19	0.00	0	0	36	1047
	20	0.00	0	0	-1	1047		20	0.00	0	0	-1	543		20	0.00	0	0	37	1033
	21	0.00	0	0	-1	1033		21	0.00	0	0	-1	532		21	0.00	0	0	42	1047
	22	0.00	0	0	-1	1047		22	0.00	0	0	-1	521		22	0.00	0	0	35	1047
	23	0.01	0	0	-1	1047		23	0.00	0	0	-1	468		23	0.00	0	0	3	1047
JAN 24	0	0.00	0	0	-1	1033	JAN 26	0	0.00	0	0	-1	437	JAN 28	0	0.00	0	0	0	1033
	1	0.00	0	0	-1	1047		1	0.00	0	0	-1	427		1	0.00	0	0	0	1047
	2	0.00	0	0	-1	1047		2	0.00	0	0	-1	427		2	0.00	0	0	0	1047
	3	0.00	0	0	-1	1047		3	0.00	0	0	-1	437		3	0.00	0	0	0	1033
	4	0.00	0	0	-1	1033		4	0.00	0	0	-1	458		4	0.00	0	0	0	1047
	5	0.00	0	0	-1	1047		5	0.00	0	0	-1	521		5	0.00	0	0	0	1047
	6	0.00	0	0	-1	1047		6	0.00	0	0	-1	521		6	0.00	0	0	0	1060
	7	0.00	0	0	-1	1033		7	0.00	0	0	-1	532		7	0.00	0	0	0	1088
	8	0.00	0	0	-1	1047		8	0.00	0	0	-1	543		8	0.00	0	0	0	1074
	9	0.00	0	0	-1	1047		9	0.00	0	0	-1	532		9	0.00	0	0	0	940
	10	0.00	0	0	-1	1033		10	0.00	0	0	-1	587		10	0.00	0	0	0	825
	11	0.00	0	0	-1	1020		11	0.00	0	0	-1	656		11	0.00	0	0	0	739
	12	0.00	0	0	-1	1047		12	0.00	0	0	-1	656		12	0.00	0	0	0	679
	13	0.02	0	0	-1	1129		13	0.00	0	0	-1	644		13	0.00	0	0	0	644
	14	0.02	0	0	-1	1171		14	0.00	0	0	-1	656		14	0.00	0	0	0	656
	15	0.01	0	0	-1	1185		15	0.00	0	0	-1	656		15	0.00	0	0	0	656
	16	0.00	0	0	-1	1185		16	0.00	0	0	-1	599		16	0.00	0	0	0	644
	17	0.01	0	0	-1	1185		17	0.00	0	0	-1	576		17	0.00	0	0	0	656
	18	0.00	0	0	-1	1129		18	0.00	0	0	-1	565		18	0.00	0	0	0	656
	19	0.01	0	0	-1	1033		19	0.00	0	0	0	610		19	0.00	0	0	0	644
	20	0.00	0	0	-1	1047		20	0.00	0	0	0	565		20	0.00	0	0	0	656
	21	0.00	0	0	-1	1047		21	0.00	0	0	0	532		21	0.00	0	0	0	656
	22	0.00	0	0	-1	1047		22	0.01	0	0	0	543		22	0.00	0	0	0	644
	23	0.00	0	0	-1	1033		23	0.00	0	0	0	532		23	0.00	0	0	0	656

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----
JAN 29	0	0.00	0	0	0	656	JAN 31	0	0.00	0	0	0	284	FEB 2	0	0.00	0	0	0	232
	1	0.00	0	0	0	656		1	0.00	0	0	0	240		1	0.00	0	0	0	176
	2	0.00	0	0	0	644		2	0.00	0	0	0	240		2	0.00	0	0	0	154
	3	0.00	0	0	0	621		3	0.00	0	0	0	232		3	0.00	0	0	0	154
	4	0.00	0	0	0	576		4	0.00	0	0	0	232		4	0.00	0	0	0	154
	5	0.00	0	0	0	565		5	0.00	0	0	0	240		5	0.00	0	0	0	168
	6	0.00	0	0	0	644		6	0.00	0	0	0	232		6	0.00	0	0	0	184
	7	0.00	0	0	0	644		7	0.00	0	0	0	232		7	0.00	0	0	0	232
	8	0.00	0	0	0	656		8	0.00	0	0	0	240		8	0.00	0	0	0	240
	9	0.00	0	0	0	587		9	0.00	0	0	0	232		9	0.00	0	0	0	232
	10	0.00	0	0	0	554		10	0.00	0	0	0	302		10	0.00	0	0	0	240
	11	0.00	0	0	0	554		11	0.00	0	0	0	320		11	0.00	0	0	0	232
	12	0.00	0	0	0	532		12	0.00	0	0	0	329		12	0.00	0	0	0	329
	13	0.00	0	0	0	532		13	0.00	0	0	0	329		13	0.00	0	0	0	320
	14	0.00	0	0	0	543		14	0.00	0	0	0	320		14	0.00	0	0	0	284
	15	0.00	0	0	0	532		15	0.00	0	0	0	329		15	0.00	0	0	0	240
	16	0.00	0	0	0	489		16	0.00	0	0	0	320		16	0.00	0	0	0	240
	17	0.00	0	0	0	447		17	0.00	0	0	0	249		17	0.00	0	0	0	232
	18	0.00	0	0	0	427		18	0.00	0	0	0	232		18	0.00	0	0	0	232
	19	0.00	0	0	0	427		19	0.00	0	0	0	232		19	0.00	0	0	0	240
	20	0.00	0	0	0	427		20	0.00	0	0	0	240		20	0.00	0	0	0	232
	21	0.00	0	0	0	329		21	0.00	0	0	0	232		21	0.00	0	0	0	232
	22	0.00	0	0	0	329		22	0.00	0	0	0	232		22	0.00	0	0	0	240
	23	0.00	0	0	0	329		23	0.00	0	0	0	240		23	0.00	0	0	0	232
JAN 30	0	0.00	0	0	0	320	FEB 1	0	0.00	0	0	0	232	FEB 3	0	0.00	0	0	0	240
	1	0.00	0	0	0	329		1	0.00	0	0	0	232		1	0.00	0	0	0	232
	2	0.00	0	0	0	329		2	0.00	0	0	0	240		2	0.00	0	0	0	232
	3	0.00	0	0	0	320		3	0.00	0	0	0	232		3	0.00	0	0	0	240
	4	0.00	0	0	0	329		4	0.00	0	0	0	240		4	0.00	0	0	0	232
	5	0.00	0	0	0	329		5	0.00	0	0	0	232		5	0.00	0	0	0	240
	6	0.00	0	0	0	320		6	0.00	0	0	0	232		6	0.00	0	0	0	293
	7	0.00	0	0	0	329		7	0.00	0	0	0	240		7	0.00	0	0	0	329
	8	0.00	0	0	0	329		8	0.00	0	0	0	232		8	0.00	0	0	0	320
	9	0.00	0	0	0	320		9	0.00	0	0	0	232		9	0.00	0	0	0	417
	10	0.00	0	0	0	407		10	0.00	0	0	0	240		10	0.00	0	0	0	427
	11	0.00	0	0	0	427		11	0.00	0	0	0	284		11	0.00	0	0	0	427
	12	0.00	0	0	0	427		12	0.00	0	0	0	320		12	0.00	0	0	0	427
	13	0.00	0	0	0	427		13	0.00	0	0	0	320		13	0.00	0	0	0	427
	14	0.00	0	0	0	417		14	0.00	0	0	0	293		14	0.00	0	0	0	427
	15	0.00	0	0	0	339		15	0.00	0	0	0	275		15	0.00	0	0	0	427
	16	0.00	0	0	0	320		16	0.00	0	0	0	240		16	0.00	0	0	0	427
	17	0.00	0	0	0	329		17	0.00	0	0	0	232		17	0.00	0	0	0	427
	18	0.00	0	0	0	329		18	0.00	0	0	0	232		18	0.00	0	0	0	427
	19	0.00	0	0	0	320		19	0.00	0	0	0	240		19	0.00	0	0	0	427
	20	0.00	0	0	0	329		20	0.00	0	0	0	232		20	0.00	0	0	0	427
	21	0.00	0	0	0	329		21	0.00	0	0	0	240		21	0.00	0	0	0	427
	22	0.00	0	0	0	320		22	0.00	0	0	0	232		22	0.02	0	0	0	427
	23	0.00	0	0	0	329		23	0.00	0	0	0	232		23	0.00	0	0	0	427

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1		
FEB	4	0	0.00	0	0	427	FEB	6	0	0.01	0	0	644	FEB	8	0	0.00	10	124	403	5643	
		1	0.00	0	0	427			1	0.04	0	0	656			1	0.00	7	114	348	5435	
		2	0.01	0	0	427			2	0.01	0	0	644			2	0.00	7	114	320	4916	
		3	0.00	0	0	427			3	0.01	0	0	668			3	0.00	6	86	305	4479	
		4	0.00	0	0	427			4	0.00	0	0	954			4	0.00	7	76	342	4097	
		5	0.00	0	0	427			5	0.00	0	0	1047			5	0.00	7	77	342	3848	
		6	0.00	0	0	427			6	0.00	0	0	1047			6	0.00	6	76	336	3624	
		7	0.00	0	0	427			7	0.00	0	0	1033			7	0.00	7	76	295	3405	
		8	0.00	0	0	427			8	0.00	0	0	993			8	0.00	7	76	341	3248	
		9	0.00	0	0	427			9	0.00	0	0	825			9	0.00	7	77	297	3113	
		10	0.00	0	0	427			10	0.01	0	0	863			10	0.00	6	76	267	2923	
		11	0.00	0	0	427			11	0.02	0	0	691			11	0.00	7	44	556	2886	
		12	0.00	0	0	427			12	0.02	0	35	656			12	0.00	6	50	190	2756	
		13	0.00	0	0	510			13	0.03	0	38	967			13	0.00	7	38	192	8083	
		14	0.00	0	0	510			14	0.01	0	38	1115			14	0.01	7	38	192	9914	
		15	0.00	0	0	468			15	0.00	0	39	1402			15	0.00	7	38	190	9748	
		16	0.00	0	0	510			16	0.01	0	38	1492			16	0.01	8	61	300	10503	
		17	0.00	0	0	532			17	0.00	0	52	1568			17	0.06	18	151	515	11248	
		18	0.00	0	0	532			18	0.01	0	39	1357			18	0.03	15	126	534	13854	
		19	0.00	0	0	532			19	0.08	0	95	1299			19	0.01	11	101	481	14792	
		20	0.00	0	0	510			20	0.08	0	277	480			20	0.02	14	125	523	15428	
		21	0.00	0	0	521			21	0.18	0	578	1178			21	0.01	10	95	454	15878	
		22	0.00	0	0	532			22	0.21	0	1175	1945			22	0.01	9	91	438	15588	
		23	0.00	0	0	500			23	0.18	0	1437	1946			23	0.00	6	76	419	15172	
FEB	5	0	0.00	0	0	458	FEB	7	0	0.14	0	1313	1600	43953	FEB	9	0	0.01	7	76	420	14602
		1	0.01	0	0	427			1	0.11	0	808	1398	48968			1	0.00	7	77	376	14383
		2	0.04	0	0	427			2	0.13	0	2243	1889	49805			2	0.00	7	76	321	14289
		3	0.02	0	0	78			3	0.15	0	1343	2301	56323			3	0.00	6	76	328	13607
		4	0.02	0	0	114			4	0.07	0	799	1524	65828			4	0.00	7	76	306	13239
		5	0.02	0	0	82			5	0.02	0	307	1166	55067			5	0.01	6	77	345	13026
		6	0.02	0	0	81			6	0.00	0	178	649	43595			6	0.01	7	76	352	12875
		7	0.02	0	0	78			7	0.00	0	130	529	31923			7	0.00	6	56	300	12875
		8	0.01	0	0	77			8	0.00	0	115	475	22205			8	0.00	7	38	268	12634
		9	0.00	0	0	71			9	0.00	0	114	559	17188			9	0.00	7	38	278	12305
		10	0.01	0	0	43			10	0.00	0	113	555	13607			10	0.00	7	38	268	12097
		11	0.00	0	0	36			11	0.00	0	114	416	11714			11	0.00	6	38	257	11949
		12	0.00	0	0	41			12	0.00	0	114	381	10475			12	0.00	11	44	388	11538
		13	0.00	0	0	10			13	0.00	0	124	349	8796			13	0.02	16	188	584	11802
		14	0.00	0	0	0			14	0.00	0	124	335	7850			14	0.00	6	67	336	15524
		15	0.00	0	0	0			15	0.00	0	122	306	7189			15	0.00	6	40	269	15109
		16	0.00	0	0	0			16	0.00	0	118	306	6546			16	0.00	7	38	217	14040
		17	0.00	0	0	0			17	0.00	0	116	310	5947			17	0.00	7	38	241	11861
		18	0.00	0	0	0			18	0.00	0	116	340	5574			18	0.00	6	38	232	10902
		19	0.00	0	0	656			19	0.01	0	125	467	5230			19	0.00	7	39	235	11422
		20	0.00	0	0	644			20	0.00	2	100	368	4961			20	0.00	7	38	262	11363
		21	0.00	0	0	644			21	0.03	7	161	473	4329			21	0.00	6	38	264	11305
		22	0.00	0	0	644			22	0.00	8	136	421	5435			22	0.00	7	38	267	11276
		23	0.00	0	0	644			23	0.02	12	142	420	5713			23	0.01	7	40	278	11074

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)----	E4F2	E3C1
FEB 10	0	0.00	7	59	325	11017	FEB 12	0	0.01	53	153	770	32817	FEB 14	0	0.00	13	38	228	9500
	1	0.00	6	38	304	11393		1	0.00	54	115	731	29133		1	0.00	14	39	228	9200
	2	0.01	6	72	339	11363		2	0.00	48	115	677	26427		2	0.00	13	38	233	9146
	3	0.01	7	62	338	11451		3	0.00	47	114	649	23954		3	0.00	14	38	228	9038
	4	0.01	7	38	300	11451		4	0.00	45	114	634	21917		4	0.00	13	38	228	8849
	5	0.00	6	38	284	11655		5	0.00	46	115	611	20534		5	0.00	14	38	228	8689
	6	0.01	7	69	361	12454		6	0.00	46	114	610	19697		6	0.00	13	38	227	8556
	7	0.01	10	132	594	12845		7	0.00	42	111	576	18667		7	0.00	13	38	191	8240
	8	0.06	15	185	802	15141		8	0.00	50	127	702	17990		8	0.00	13	40	170	7979
	9	0.07	17	261	913	20114		9	0.01	45	115	656	18091		9	0.00	13	38	203	7593
	10	0.07	31	406	1330	24620		10	0.01	50	148	769	17922		10	0.00	13	38	247	7340
	11	0.10	51	494	1387	33062		11	0.01	63	231	976	18871		11	0.00	13	38	228	7517
	12	0.09	72	931	2191	31238		12	0.06	67	270	1039	22493		12	0.00	13	38	223	7593
	13	0.13	50	571	1672	64303		13	0.05	123	283	1007	26923		13	0.00	13	38	192	7492
	14	0.07	70	903	2052	71984		14	0.04	212	251	1034	30160		14	0.00	12	35	200	7289
	15	0.18	97	1379	3736	75208		15	0.03	148	163	749	32776		15	0.00	14	34	239	7089
	16	0.07	81	701	2108	119065		16	0.01	170	245	805	31158		16	0.00	14	34	228	6989
	17	0.09	77	712	1915	123344		17	0.02	71	194	861	30279		17	0.00	14	38	228	6890
	18	0.07	90	803	2419	95873		18	0.02	56	146	825	30717		18	0.00	13	38	228	6717
	19	0.11	57	344	1132	94782		19	0.00	53	114	582	28624		19	0.00	14	30	231	6717
	20	0.01	56	278	1066	83160		20	0.00	50	114	513	25858		20	0.00	13	38	229	6717
	21	0.01	46	203	743	62440		21	0.00	48	112	493	23990		21	0.00	14	38	197	6693
	22	0.01	48	167	705	53723		22	0.00	47	100	468	21738		22	0.00	13	38	192	6693
	23	0.00	46	149	615	43729		23	0.01	47	103	530	20114		23	0.00	14	38	192	6595
FEB 11	0	0.00	47	152	561	35754	FEB 13	0	0.00	46	76	412	19248	FEB 15	0	0.00	13	38	189	6522
	1	0.00	37	126	552	32288		1	0.00	63	76	376	18091		1	0.00	14	39	189	6401
	2	0.00	43	124	548	28702		2	0.00	53	94	397	16759		2	0.00	13	38	192	6304
	3	0.00	44	132	548	25368		3	0.00	51	95	593	16235		3	0.00	13	38	192	6232
	4	0.00	41	118	538	23549		4	0.03	44	94	486	16825		4	0.00	14	38	192	6232
	5	0.01	41	114	511	21917		5	0.00	39	77	429	16529		5	0.00	13	38	192	6209
	6	0.00	46	122	525	20534		6	0.00	35	76	421	15911		6	0.00	14	38	188	6209
	7	0.00	42	114	522	19905		7	0.00	34	75	430	15077		7	0.00	13	38	187	6137
	8	0.01	44	124	526	19766		8	0.00	34	77	387	14258		8	0.00	14	39	198	6161
	9	0.00	40	115	477	18940		9	0.00	33	76	378	13423		9	0.02	13	38	285	6185
	10	0.00	41	114	456	18226		10	0.00	34	76	382	12784		10	0.00	14	38	238	6473
	11	0.01	40	87	459	17554		11	0.00	33	39	354	12454		11	0.01	13	27	269	6742
	12	0.00	40	76	454	17089		12	0.00	29	42	278	12186		12	0.01	14	0	320	6717
	13	0.00	41	76	420	16529		13	0.00	20	38	274	11567		13	0.01	13	0	319	6668
	14	0.00	40	76	419	16008		14	0.00	15	38	265	11451		14	0.00	14	0	261	7289
	15	0.00	42	77	459	15943		15	0.00	20	38	242	11219		15	0.00	13	0	242	7264
	16	0.00	48	77	635	16138		16	0.00	21	38	238	10959		16	0.00	8	0	229	6964
	17	0.02	62	142	689	17155		17	0.00	20	38	233	10759		17	0.00	7	0	228	6717
	18	0.04	75	325	1130	20745		18	0.00	20	39	265	10730		18	0.00	6	0	228	6498
	19	0.08	63	244	918	26694		19	0.00	20	38	261	10306		19	0.00	8	0	228	6209
	20	0.04	65	259	882	30638		20	0.00	19	38	228	10193		20	0.00	7	0	228	6042
	21	0.03	105	419	1927	35126		21	0.00	14	38	236	9998		21	0.00	6	0	232	5971
	22	0.08	71	246	1370	39937		22	0.00	13	38	228	9914		22	0.00	7	0	226	5971
	23	0.02	61	161	868	39201		23	0.00	12	38	228	9665		23	0.00	7	0	213	5736

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
FEB 16	0	0.00	6	0	192	5736	FEB 18	0	0.00	26	154	919	15013	FEB 20	0	0.00	7	0	230	9970
	1	0.00	7	0	190	5736		1	0.00	25	112	758	17587		1	0.00	6	0	232	9748
	2	0.00	7	0	211	5736		2	0.01	20	99	921	18497		2	0.00	7	0	228	9527
	3	0.00	7	0	245	5736		3	0.01	21	58	496	17956		3	0.00	7	0	228	9363
	4	0.01	6	0	246	5759		4	0.00	20	38	440	16627		4	0.00	6	0	228	9200
	5	0.03	7	0	293	5947		5	0.00	19	38	415	15749		5	0.00	7	0	231	9119
	6	0.02	7	0	416	6161		6	0.00	20	38	380	14445		6	0.00	7	0	228	8930
	7	0.03	7	0	428	7089		7	0.00	20	38	405	13453		7	0.00	7	0	228	8849
	8	0.00	6	0	296	7876		8	0.00	20	39	419	13209		8	0.00	6	0	228	8662
	9	0.00	7	0	274	7415		9	0.00	20	38	383	12935		9	0.00	7	0	230	8556
	10	0.00	7	0	261	6890		10	0.00	21	38	345	12574		10	0.00	3	0	229	8424
	11	0.14	16	168	1199	6915		11	0.00	18	38	342	12245		11	0.01	0	5	295	8161
	12	0.09	24	308	1405	12275		12	0.00	12	38	326	11861		12	0.12	10	265	994	8292
	13	0.04	19	212	991	21453		13	0.00	12	37	264	11451		13	0.05	12	321	1452	12604
	14	0.06	24	255	994	22965		14	0.00	12	0	269	11305		14	0.01	4	122	570	19420
	15	0.07	33	565	1974	25820		15	0.00	9	0	239	10931		15	0.01	0	76	388	18905
	16	0.03	24	214	920	32776		16	0.01	7	0	236	10617		16	0.00	0	56	474	16825
	17	0.02	16	158	710	37061		17	0.00	6	0	281	10249		17	0.00	1	38	349	15268
	18	0.01	16	129	605	30837		18	0.00	7	0	267	10277		18	0.00	7	38	305	13638
	19	0.04	19	160	602	28663		19	0.02	8	27	326	10025		19	0.00	7	38	270	12634
	20	0.00	14	78	629	27000		20	0.01	7	39	374	10221		20	0.00	6	38	267	12038
	21	0.04	19	213	822	24807		21	0.00	7	11	284	10988		21	0.00	7	38	264	11422
	22	0.02	22	195	761	25933		22	0.00	7	0	268	10418		22	0.00	7	38	255	11132
	23	0.02	21	141	622	27422		23	0.00	6	0	269	9998		23	0.00	7	38	236	10759
FEB 17	0	0.02	20	133	584	26313	FEB 19	0	0.05	8	7	256	9692	FEB 21	0	0.00	6	39	228	10390
	1	0.01	20	120	564	25443		1	0.06	8	70	454	9665		1	0.00	7	38	228	10081
	2	0.00	18	77	484	24212		2	0.02	8	63	456	11190		2	0.00	7	38	228	9914
	3	0.00	21	76	422	22602		3	0.10	28	468	1547	12126		3	0.00	7	38	228	9610
	4	0.00	20	76	419	20815		4	0.07	26	488	2482	18497		4	0.00	6	38	228	9418
	5	0.00	20	56	398	19489		5	0.00	8	83	555	31118		5	0.00	7	23	228	9173
	6	0.00	20	38	382	18429		6	0.00	7	54	422	26541		6	0.00	7	0	228	9092
	7	0.00	20	38	376	17221		7	0.00	7	38	369	21382		7	0.00	7	0	231	8796
	8	0.00	17	38	342	16333		8	0.00	7	39	320	18327		8	0.00	6	0	202	8503
	9	0.00	13	38	309	15653		9	0.00	6	38	306	16562		9	0.00	7	0	192	8214
	10	0.00	14	39	305	14697		10	0.01	7	38	294	15236		10	0.00	7	0	192	8031
	11	0.00	13	38	271	13915		11	0.00	8	39	269	14226		11	0.00	6	0	190	7850
	12	0.00	16	38	260	13270		12	0.00	7	34	394	13545		12	0.00	7	0	186	7721
	13	0.00	18	38	312	12664		13	0.04	7	0	280	12935		13	0.00	7	0	186	7644
	14	0.00	21	38	314	12364		14	0.02	17	11	279	12424		14	0.00	6	0	191	7542
	15	0.00	21	38	339	12364		15	0.00	9	89	700	12067		15	0.00	7	0	192	7340
	16	0.01	29	39	335	12335		16	0.00	7	25	319	13515		16	0.00	7	0	192	7164
	17	0.04	38	53	400	12364		17	0.00	6	0	266	12935		17	0.00	6	0	192	7039
	18	0.02	42	136	667	12875		18	0.00	7	0	264	12394		18	0.00	7	0	191	6989
	19	0.00	27	43	413	15556		19	0.00	7	0	270	11655		19	0.00	7	0	165	6964
	20	0.00	28	39	373	14918		20	0.00	7	0	251	11334		20	0.00	7	0	177	6939
	21	0.01	19	43	472	13854		21	0.00	6	0	238	10902		21	0.00	7	0	191	6816
	22	0.01	21	39	425	13545		22	0.00	7	0	228	10475		22	0.00	7	0	192	6791
	23	0.03	28	109	663	13361		23	0.00	7	0	228	10165		23	0.00	6	0	183	6742

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
FEB 22	0	0.00	7	0	157	6717	FEB 24	0	0.01	0	38	194	8083	FEB 26	0	0.00	0	0	123	5971
	1	0.00	7	0	156	6717		1	0.02	0	41	269	8057		1	0.00	0	0	114	5830
	2	0.00	6	0	153	6717		2	0.01	0	59	347	8689		2	0.00	0	0	114	5736
	3	0.00	7	0	150	6571		3	0.00	0	38	263	9582		3	0.00	0	0	115	5713
	4	0.00	7	0	150	6353		4	0.01	0	38	228	9527		4	0.00	0	0	114	5527
	5	0.00	7	0	150	6209		5	0.00	0	38	229	9146		5	0.00	0	0	114	5481
	6	0.00	6	0	150	6209		6	0.01	0	39	229	9119		6	0.00	0	0	114	5367
	7	0.00	7	0	154	6113		7	0.00	0	38	193	9092		7	0.00	0	0	114	5276
	8	0.01	7	0	174	6089		8	0.01	0	38	222	8876		8	0.00	0	0	114	5118
	9	0.04	7	25	287	6137		9	0.00	0	38	208	8849		9	0.00	0	0	115	5028
	10	0.03	6	65	468	6693		10	0.00	0	38	209	8742		10	0.00	0	0	96	5005
	11	0.01	6	39	327	8583		11	0.01	0	38	233	8662		11	0.00	0	0	75	4872
	12	0.00	4	38	241	8984		12	0.00	0	38	257	9173		12	0.00	0	0	78	4828
	13	0.00	0	35	221	8240		13	0.00	0	39	204	9119		13	0.00	0	0	75	4784
	14	0.00	0	6	192	7773		14	0.00	0	36	186	8957		14	0.00	0	0	72	4696
	15	0.00	0	0	190	7340		15	0.00	0	28	191	8662		15	0.00	0	0	72	4587
	16	0.00	0	0	182	6989		16	0.00	0	0	192	8397		16	0.00	0	0	76	4565
	17	0.02	0	21	315	6989		17	0.00	0	0	187	8109		17	0.00	0	0	78	4457
	18	0.00	0	0	245	7340		18	0.00	0	0	160	7979		18	0.00	0	0	78	4372
	19	0.02	0	11	249	7773		19	0.00	0	0	156	7721		19	0.00	0	0	78	4372
	20	0.02	0	38	325	7619		20	0.00	0	0	156	7517		20	0.00	0	0	78	4372
	21	0.00	0	3	244	8530		21	0.00	0	0	150	7164		21	0.00	0	0	78	4372
	22	0.00	0	0	194	8397		22	0.00	0	0	150	7064		22	0.00	0	0	78	4372
	23	0.02	0	0	243	7876		23	0.00	0	0	150	6964		23	0.00	0	0	102	4372
FEB 23	0	0.00	0	0	199	7927	FEB 25	0	0.00	0	0	150	6989	FEB 27	0	0.00	0	0	114	4372
	1	0.00	0	14	223	7850		1	0.00	0	0	150	6865		1	0.00	0	0	114	4372
	2	0.01	0	8	233	7568		2	0.00	0	0	150	6717		2	0.00	0	0	113	4350
	3	0.00	0	0	214	7773		3	0.00	0	0	150	6717		3	0.00	0	0	114	4457
	4	0.01	0	0	191	7593		4	0.00	0	0	155	6717		4	0.02	0	0	117	4436
	5	0.01	0	21	227	7390		5	0.00	0	0	156	6717		5	0.04	0	0	196	4544
	6	0.01	0	28	258	7670		6	0.00	0	0	156	6668		6	0.04	0	0	325	4983
	7	0.00	0	0	200	8109		7	0.00	0	0	126	6619		7	0.12	0	111	1105	6113
	8	0.00	0	0	190	8450		8	0.00	0	0	114	6304		8	0.13	0	270	1704	10560
	9	0.00	0	0	162	7593		9	0.00	0	0	114	6089		9	0.06	0	523	2598	19559
	10	0.01	0	0	151	7189		10	0.00	0	0	142	5971		10	0.02	0	206	902	30638
	11	0.00	0	0	182	6964		11	0.00	0	0	150	5971		11	0.00	0	108	557	27847
	12	0.00	0	0	166	6964		12	0.00	0	0	152	5971		12	0.00	0	76	384	22565
	13	0.01	0	0	196	6989		13	0.00	0	0	156	5971		13	0.00	0	60	327	18940
	14	0.01	0	20	207	6964		14	0.00	0	0	151	5971		14	0.00	0	38	287	16792
	15	0.00	0	4	179	7390		15	0.00	0	0	151	5971		15	0.00	0	38	263	14855
	16	0.02	0	16	192	7340		16	0.00	0	0	151	5971		16	0.00	0	36	216	13361
	17	0.02	0	18	211	7089		17	0.00	0	0	119	5971		17	0.00	0	39	200	12424
	18	0.01	0	35	235	7568		18	0.00	0	0	150	5924		18	0.00	0	38	188	11597
	19	0.02	0	41	252	7798		19	0.00	0	0	175	5877		19	0.00	0	38	192	11363
	20	0.00	0	48	296	8214		20	0.00	0	0	201	6018		20	0.00	0	38	192	10532
	21	0.01	0	38	229	9119		21	0.00	0	0	177	6280		21	0.00	0	38	192	10109
	22	0.00	0	38	200	8742		22	0.00	0	0	154	6256		22	0.00	0	38	192	9831
	23	0.00	0	38	192	8266		23	0.00	0	0	150	6089		23	0.00	0	38	191	9445



HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----	DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)----	E4F2 FEET/HR)----	E3C1 ----
FEB 28	0	0.00	0	38	187	9092	MAR 2	0	0.00	0	0	114	3307	MAR 4	0	0.00	0	70	306	20886
	1	0.03	0	38	194	9146		1	0.00	0	0	114	3287		1	0.00	0	43	305	19248
	2	0.02	0	66	366	8716		2	0.00	0	0	114	3287		2	0.01	0	39	303	18057
	3	0.00	0	40	287	9637		3	0.00	0	0	114	3132		3	0.00	0	62	334	16726
	4	0.01	0	38	239	9998		4	0.00	0	0	114	3094		4	0.00	0	48	306	15653
	5	0.00	0	38	219	9720		5	0.00	0	0	114	3075		5	0.01	0	39	278	13453
	6	0.02	0	38	220	9555		6	0.00	0	0	114	3094		6	0.00	0	38	290	11219
	7	0.02	0	91	429	9254		7	0.00	0	0	114	2942		7	0.00	0	38	264	12275
	8	0.00	0	41	277	10475		8	0.00	0	0	114	2886		8	0.00	0	38	266	12245
	9	0.00	0	38	227	10702		9	0.00	0	0	114	2905		9	0.00	0	38	270	11567
	10	0.00	0	38	192	10137		10	0.00	0	0	117	2848		10	0.00	0	38	244	11276
	11	0.00	0	39	191	10025		11	0.00	0	0	112	2793		11	0.00	0	38	228	11017
	12	0.02	0	49	284	9336		12	0.00	0	0	114	2793		12	0.00	0	38	224	10560
	13	0.00	0	39	251	9527		13	0.00	0	0	113	2867		13	0.00	0	15	217	9998
	14	0.02	0	27	204	9914		14	0.00	0	0	113	2811		14	0.00	0	0	182	9748
	15	0.00	0	49	290	9527		15	0.00	0	0	113	2701		15	0.00	0	0	217	9445
	16	0.01	0	32	212	10025		16	0.00	0	0	113	2610		16	0.07	0	107	669	9336
	17	0.00	0	38	190	9970		17	0.00	0	0	113	2555		17	0.02	0	132	538	11655
	18	0.00	0	21	192	9500		18	0.00	0	0	113	2519		18	0.02	0	79	395	13885
	19	0.00	0	0	177	9119		19	0.00	0	0	113	2519		19	0.01	0	76	339	10447
	20	0.00	0	0	151	8636		20	0.00	0	0	113	2519		20	0.00	0	45	319	8876
	21	0.00	0	0	150	8240		21	0.00	0	0	114	2502		21	0.01	0	63	341	8530
	22	0.00	0	0	150	8031		22	0.00	0	0	114	2664		22	0.04	0	125	649	9065
	23	0.00	0	0	150	7773		23	0.03	0	0	122	2701		23	0.04	0	179	656	11480
MAR 1	0	0.00	0	0	156	7593	MAR 3	0	0.08	0	24	402	2719	MAR 5	0	0.05	0	217	955	13638
	1	0.00	0	0	156	7415		1	0.10	0	122	1046	3544		1	0.09	1	390	1307	16040
	2	0.00	0	0	156	7114		2	0.09	0	496	2020	8292		2	0.04	0	290	1031	22241
	3	0.00	0	0	156	6989		3	0.02	0	221	769	18260		3	0.05	3	376	1312	24546
	4	0.00	0	0	152	6939		4	0.04	0	166	724	19766		4	0.07	4	374	1038	29016
	5	0.00	0	0	150	6791		5	0.05	0	256	958	17621		5	0.02	3	264	775	34378
	6	0.00	0	0	150	6717		6	0.05	0	262	948	19905		6	0.03	3	243	703	30957
	7	0.00	0	0	143	6717		7	0.05	0	321	1240	21169		7	0.01	0	205	597	28468
	8	0.00	0	0	125	6644		8	0.02	0	325	935	25858		8	0.02	2	189	611	733823
	9	0.00	0	0	114	6401		9	0.03	0	235	713	26923		9	0.01	0	154	499	20886
	10	0.00	0	0	114	6209		10	0.00	0	219	579	27422		10	0.00	2	114	439	19801
	11	0.00	0	0	114	6161		11	0.01	0	184	561	24769		11	0.00	6	85	419	17855
	12	0.00	0	0	114	6185		12	0.01	0	143	608	21417		12	0.00	7	43	404	15685
	13	0.00	0	0	116	6185		13	0.00	0	108	412	17421		13	0.00	7	39	342	14289
	14	0.01	0	0	114	6042		14	0.00	0	84	381	14009		14	0.00	6	38	330	13331
	15	0.00	0	0	111	5971		15	0.00	0	81	343	13331		15	0.00	7	38	330	12484
	16	0.05	0	88	126	5689		16	0.00	0	76	330	14133		16	0.00	6	57	204	12067
	17	0.02	0	54	583	5481		17	0.02	0	87	412	13423		17	0.00	7	76	306	11684
	18	0.00	0	0	203	5095		18	0.03	0	150	533	13545		18	0.00	7	62	302	11422
	19	0.00	0	0	177	4479		19	0.03	0	188	544	14571		19	0.00	7	38	269	11276
	20	0.00	0	0	152	4097		20	0.01	0	123	454	17554		20	0.00	6	38	269	10560
	21	0.00	0	0	154	3889		21	0.01	0	126	435	21417		21	0.00	7	38	264	9720
	22	0.00	0	0	127	3705		22	0.00	0	102	387	18803		22	0.00	7	39	264	9390
	23	0.00	0	0	114	3504		23	0.00	0	70	335	20323		23	0.00	7	38	264	8609

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
MAR 6	0	0.00	6	38	270	8266	MAR 8	0	0.00	7	0	114	3075	MAR 10	0	0.00	0	0	36	2135
	1	0.00	7	38	266	9011		1	0.00	6	0	114	3056		1	0.00	0	0	36	2135
	2	0.00	7	38	263	6766		2	0.00	7	0	114	3056		2	0.00	0	0	36	2135
	3	0.00	6	38	250	6791		3	0.00	7	0	114	3056		3	0.00	0	0	36	2135
	4	0.00	7	38	236	9173		4	0.00	7	0	114	3056		4	0.00	0	0	37	2135
	5	0.00	7	39	228	8957		5	0.00	5	0	114	3056		5	0.00	0	0	42	2135
	6	0.00	7	38	228	8822		6	0.00	7	0	114	3056		6	0.00	0	0	42	2135
	7	0.00	6	38	231	8609		7	0.00	7	0	114	3056		7	0.00	0	0	42	2135
	8	0.00	7	38	228	8450		8	0.00	7	0	114	3056		8	0.00	0	0	42	2051
	9	0.00	7	38	228	8187		9	0.00	6	0	114	2961		9	0.00	0	0	42	2017
	10	0.00	6	38	228	8057		10	0.00	7	0	117	2961		10	0.00	0	0	42	2017
	11	0.00	6	19	230	7953		11	0.00	7	0	114	2961		11	0.00	0	0	42	2085
	12	0.00	7	0	221	7850		12	0.00	6	0	114	2961		12	0.00	0	0	42	2135
	13	0.00	2	0	192	7415		13	0.00	7	0	114	2961		13	0.00	0	0	42	2135
	14	0.00	0	0	191	7189		14	0.00	7	0	93	2942		14	0.00	0	0	42	2135
	15	0.00	0	0	189	6939		15	0.00	5	0	78	2905		15	0.00	0	0	42	2135
	16	0.00	0	0	191	6693		16	0.00	0	0	78	2886		16	0.00	0	0	42	2135
	17	0.00	0	0	170	6209		17	0.00	0	0	78	2719		17	0.00	0	0	42	2135
	18	0.00	0	0	154	5853		18	0.00	0	0	78	2719		18	0.00	0	0	42	2051
	19	0.00	0	0	150	5597		19	0.00	0	0	78	2719		19	0.00	0	0	42	1968
	20	0.00	1	0	150	5435		20	0.00	0	0	78	2719		20	0.00	0	0	42	1918
	21	0.00	6	0	153	5298		21	0.00	0	0	78	2719		21	0.00	0	0	42	1820
	22	0.02	7	9	209	5208		22	0.00	0	0	78	2719		22	0.00	0	0	42	1820
	23	0.01	6	0	256	5321		23	0.00	0	0	78	2719		23	0.00	0	0	42	1820
MAR 7	0	0.00	7	0	206	5759	MAR 9	0	0.00	0	0	78	2628	MAR 11	0	0.00	0	0	42	1820
	1	0.00	7	0	192	5713		1	0.00	0	0	78	2628		1	0.00	0	0	42	1820
	2	0.00	6	0	181	5435		2	0.00	0	0	78	2628		2	0.00	0	0	42	2135
	3	0.00	7	0	154	5073		3	0.00	0	0	78	2628		3	0.00	0	0	37	2152
	4	0.00	7	0	155	4784		4	0.00	0	0	77	2628		4	0.00	0	0	36	2017
	5	0.00	7	0	156	4740		5	0.00	0	0	72	2628		5	0.00	0	0	36	1968
	6	0.00	6	0	156	4587		6	0.00	0	0	72	2628		6	0.00	0	0	36	2169
	7	0.00	7	0	150	4544		7	0.00	0	0	72	2628		7	0.00	0	0	36	2273
	8	0.00	7	0	150	4372		8	0.00	0	0	72	2628		8	0.00	0	0	36	2169
	9	0.00	7	0	150	4350		9	0.00	0	0	72	2573		9	0.00	0	0	30	2152
	10	0.00	7	0	156	4286		10	0.00	0	0	70	2519		10	0.00	0	0	28	2118
	11	0.00	6	0	151	4244		11	0.00	0	0	36	2519		11	0.00	0	0	36	2051
	12	0.00	7	0	144	4139		12	0.00	0	0	36	2502		12	0.00	0	0	32	2255
	13	0.00	7	0	115	4139		13	0.00	0	0	36	2448		13	0.00	0	0	36	2204
	14	0.00	0	0	130	4097		14	0.00	0	0	36	2342		14	0.00	0	0	36	2290
	15	0.00	0	0	120	3910		15	0.00	0	0	36	2342		15	0.00	0	0	36	1387
	16	0.00	0	0	114	3766		16	0.00	0	0	36	2342		16	0.00	0	0	36	1199
	17	0.00	0	0	114	3405		17	0.00	0	0	36	2342		17	0.00	0	0	36	1199
	18	0.00	0	0	114	3504		18	0.00	0	0	36	2273		18	0.00	0	0	36	1199
	19	0.00	1	0	114	3444		19	0.00	0	0	36	2169		19	0.00	0	0	36	1199
	20	0.00	6	0	114	3504		20	0.00	0	0	36	2152		20	0.00	0	0	36	1199
	21	0.00	6	0	117	3405		21	0.00	0	0	36	2152		21	0.00	0	0	36	1199
	22	0.00	7	0	114	3113		22	0.00	0	0	36	2001		22	0.00	0	0	36	1199
	23	0.00	7	0	114	3094		23	0.00	0	0	36	1902		23	0.00	0	0	36	1199

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
MAR 12	0	0.00	0	0	36	1199	MAR 14	0	0.00	0	0	0	691	MAR 16	0	0.00	0	0	0	1047
	1	0.00	0	0	39	1143		1	0.00	0	0	0	715		1	0.00	0	0	0	1047
	2	0.00	0	0	42	1088		2	0.00	0	0	0	656		2	0.00	0	0	0	1047
	3	0.00	0	0	42	1033		3	0.00	0	0	0	679		3	0.00	0	0	0	914
	4	0.00	0	0	42	1033		4	0.00	0	0	0	715		4	0.00	0	0	0	813
	5	0.00	0	0	42	1033		5	0.00	0	0	0	656		5	0.00	0	0	0	691
	6	0.00	0	0	42	1033		6	0.00	0	0	0	656		6	0.00	0	0	0	656
	7	0.00	0	0	42	1033		7	0.00	0	0	0	656		7	0.00	0	0	0	656
	8	0.00	0	0	31	1033		8	0.00	0	0	0	656		8	0.00	0	0	0	656
	9	0.00	0	0	4	1033		9	0.00	0	0	0	668		9	0.00	0	0	0	656
	10	0.00	0	0	0	1033		10	0.00	0	0	0	800		10	0.00	0	0	0	656
	11	0.00	0	0	0	1033		11	0.00	0	0	0	850		11	0.00	0	0	0	656
	12	0.00	0	0	0	1033		12	0.00	0	0	0	889		12	0.02	0	0	48	703
	13	0.00	0	0	0	1033		13	0.00	0	0	0	993		13	0.00	0	0	89	1007
	14	0.00	0	0	0	1033		14	0.00	0	0	0	967		14	0.06	0	0	98	1171
	15	0.00	0	0	0	1101		15	0.00	0	0	0	954		15	0.00	0	0	84	1199
	16	0.00	0	0	0	1157		16	0.00	0	0	0	889		16	0.00	0	0	45	1256
	17	0.00	0	0	0	1185		17	0.00	0	0	0	656		17	0.00	0	0	39	1256
	18	0.00	0	0	0	1185		18	0.00	0	0	0	656		18	0.03	0	0	56	1256
	19	0.00	0	0	0	1185		19	0.00	0	0	0	656		19	0.00	0	0	124	1256
	20	0.00	0	0	0	1185		20	0.00	0	0	0	656		20	0.00	0	0	56	1387
	21	0.00	0	0	0	1185		21	0.00	0	0	0	656		21	0.00	0	0	41	1285
	22	0.00	0	0	0	1185		22	0.00	0	0	0	656		22	0.00	0	0	36	1199
	23	0.00	0	0	0	1185		23	0.00	0	0	0	656		23	0.00	0	0	36	1171
MAR 13	0	0.00	0	0	0	1185	MAR 15	0	0.00	0	0	0	656	MAR 17	0	0.00	0	0	18	1060
	1	0.00	0	0	0	1047		1	0.03	0	0	17	656		1	0.00	0	0	0	1033
	2	0.00	0	0	0	1047		2	0.02	0	0	36	656		2	0.00	0	0	0	1033
	3	0.00	0	0	0	1047		3	0.03	0	0	36	825		3	0.00	0	0	0	1033
	4	0.00	0	0	0	1047		4	0.01	0	0	38	1033		4	0.00	0	0	0	1033
	5	0.00	0	0	0	1047		5	0.03	0	0	42	1033		5	0.00	0	0	0	1033
	6	0.00	0	0	0	1047		6	0.09	0	0	150	1047		6	0.00	0	0	0	1033
	7	0.00	0	0	0	1047		7	0.00	0	0	161	1242		7	0.00	0	0	0	1033
	8	0.00	0	0	0	1047		8	0.00	0	0	76	1740		8	0.00	0	0	0	1033
	9	0.00	0	0	0	1047		9	0.01	0	0	42	1477		9	0.00	0	0	0	1033
	10	0.00	0	0	0	1047		10	0.00	0	0	42	1213		10	0.00	0	0	0	1033
	11	0.00	0	0	0	1047		11	0.00	0	0	38	1171		11	0.00	0	0	0	1033
	12	0.00	0	0	0	1047		12	0.01	0	0	36	1074		12	0.00	0	0	0	1033
	13	0.00	0	0	0	1047		13	0.01	0	0	36	1033		13	0.00	0	0	0	1033
	14	0.00	0	0	0	1047		14	0.00	0	0	36	1047		14	0.00	0	0	0	1033
	15	0.00	0	0	0	1047		15	0.00	0	0	37	1047		15	0.00	0	0	0	1033
	16	0.00	0	0	0	1047		16	0.04	0	0	131	1033		16	0.00	0	0	0	954
	17	0.00	0	0	0	1047		17	0.01	0	0	96	1115		17	0.00	0	0	0	902
	18	0.00	0	0	0	1047		18	0.00	0	0	50	1432		18	0.00	0	0	0	902
	19	0.00	0	0	0	1047		19	0.00	0	0	39	1213		19	0.01	0	0	0	902
	20	0.00	0	0	0	1047		20	0.00	0	0	36	1088		20	0.00	0	0	0	902
	21	0.00	0	0	0	1047		21	0.00	0	0	36	1047		21	0.00	0	0	0	902
	22	0.00	0	0	0	940		22	0.00	0	0	17	1047		22	0.00	0	0	0	902
	23	0.00	0	0	0	727		23	0.00	0	0	0	1047		23	0.00	0	0	0	813

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1	DATE	HR	PRECIP (IN/HR)	ElF1 ---(CUBIC	E4F1 FEET/HR)---	E4F2	E3C1
MAR 18	0	0.00	0	0	0	691	MAR 20	0	0.00	0	0	0	668	MAR 22	0	0.00	0	0	0	543
	1	0.00	0	0	0	691		1	0.00	0	0	0	668		1	0.00	0	0	0	543
	2	0.00	0	0	0	691		2	0.00	0	0	0	668		2	0.00	0	0	0	543
	3	0.00	0	0	0	691		3	0.00	0	0	0	668		3	0.00	0	0	0	543
	4	0.00	0	0	0	691		4	0.00	0	0	0	668		4	0.00	0	0	0	543
	5	0.00	0	0	0	691		5	0.00	0	0	0	668		5	0.00	0	0	0	543
	6	0.01	0	0	0	691		6	0.00	0	0	0	668		6	0.00	0	0	0	543
	7	0.01	0	0	0	691		7	0.00	0	0	0	668		7	0.00	0	0	0	543
	8	0.01	0	0	24	825		8	0.00	0	0	0	668		8	0.00	0	0	0	543
	9	0.00	0	0	11	902		9	0.00	0	0	0	668		9	0.00	0	0	0	543
	10	0.01	0	0	0	954		10	0.00	0	0	0	668		10	0.00	0	0	0	543
	11	0.00	0	0	0	1020		11	0.00	0	0	0	668		11	0.00	0	0	0	543
	12	0.00	0	0	0	1020		12	0.00	0	0	0	668		12	0.00	0	0	0	543
	13	0.00	0	0	0	1020		13	0.00	0	0	0	668		13	0.00	0	0	0	543
	14	0.00	0	0	0	1020		14	0.00	0	0	0	668		14	0.00	0	0	0	543
	15	0.00	0	0	0	1020		15	0.00	0	0	0	668		15	0.00	0	0	0	543
	16	0.00	0	0	0	1020		16	0.00	0	0	0	668		16	0.00	0	0	0	543
	17	0.00	0	0	0	954		17	0.00	0	0	0	668		17	0.00	0	0	0	543
	18	0.00	0	0	0	902		18	0.00	0	0	0	668		18	0.00	0	0	0	543
	19	0.00	0	0	0	902		19	0.00	0	0	0	668		19	0.00	0	0	0	543
	20	0.00	0	0	0	902		20	0.00	0	0	0	668		20	0.00	0	0	0	447
	21	0.00	0	0	0	902		21	0.00	0	0	0	576		21	0.00	0	0	0	427
	22	0.00	0	0	0	902		22	0.00	0	0	0	543		22	0.00	0	0	0	427
	23	0.00	0	0	0	902		23	0.00	0	0	0	543		23	0.00	0	0	0	427
MAR 19	0	0.00	0	0	0	813	MAR 21	0	0.00	0	0	0	543	MAR 23	0	0.00	0	0	0	427
	1	0.00	0	0	0	776		1	0.00	0	0	0	543		1	0.00	0	0	0	427
	2	0.00	0	0	0	776		2	0.00	0	0	0	543		2	0.00	0	0	0	427
	3	0.00	0	0	0	776		3	0.00	0	0	0	543		3	0.00	0	0	0	427
	4	0.00	0	0	0	776		4	0.00	0	0	0	543		4	0.00	0	0	0	427
	5	0.00	0	0	0	776		5	0.00	0	0	0	543		5	0.00	0	0	0	427
	6	0.00	0	0	0	776		6	0.00	0	0	0	543		6	0.00	0	0	0	427
	7	0.00	0	0	0	776		7	0.00	0	0	0	543		7	0.00	0	0	0	427
	8	0.00	0	0	0	776		8	0.00	0	0	0	543		8	0.00	0	0	0	427
	9	0.00	0	0	0	776		9	0.00	0	0	0	543		9	0.00	0	0	0	427
	10	0.00	0	0	0	776		10	0.00	0	0	0	543		10	0.00	0	0	0	427
	11	0.00	0	0	0	776		11	0.00	0	0	0	543		11	0.00	0	0	0	427
	12	0.00	0	0	0	776		12	0.00	0	0	0	543		12	0.00	0	0	0	427
	13	0.00	0	0	0	776		13	0.00	0	0	0	543		13	0.00	0	0	0	427
	14	0.00	0	0	0	776		14	0.00	0	0	0	543		14	0.00	0	0	0	427
	15	0.00	0	0	0	776		15	0.00	0	0	0	543		15	0.00	0	0	0	427
	16	0.00	0	0	0	776		16	0.00	0	0	0	543		16	0.00	0	0	0	427
	17	0.00	0	0	0	715		17	0.00	0	0	0	543		17	0.00	0	0	0	427
	18	0.00	0	0	0	679		18	0.00	0	0	0	543		18	0.00	0	0	0	387
	19	0.00	0	0	0	668		19	0.00	0	0	0	543		19	0.00	0	0	0	348
	20	0.00	0	0	0	668		20	0.00	0	0	0	543		20	0.00	0	0	0	329
	21	0.00	0	0	0	668		21	0.00	0	0	0	543		21	0.00	0	0	0	329
	22	0.00	0	0	0	668		22	0.00	0	0	0	543		22	0.00	0	0	0	329
	23	0.00	0	0	0	668		23	0.00	0	0	0	543		23	0.00	0	0	0	329

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)	E4F2	E3C1 ----	DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)	E4F2	E3C1 ----	DATE	HR	PRECIP (IN/HR)	EIF1 ---(CUBIC	E4F1 FEET/HR)	E4F2	E3C1 ----
MAR 24	0	0.00	0	0	0	329	MAR 26	0	0.00	0	0	0	329	MAR 28	0	0.02	0	0	0	417
	1	0.00	0	0	0	329		1	0.00	0	0	0	329		1	0.00	0	0	0	532
	2	0.00	0	0	0	329		2	0.00	0	0	0	329		2	0.00	0	0	0	539
	3	0.00	0	0	0	329		3	0.00	0	0	0	329		3	0.00	0	0	0	602
	4	0.00	0	0	0	329		4	0.00	0	0	0	329		4	0.00	0	0	0	648
	5	0.00	0	0	0	329		5	0.00	0	0	0	329		5	0.00	0	0	0	656
	6	0.00	0	0	0	329		6	0.00	0	0	0	329		6	0.00	0	0	0	629
	7	0.00	0	0	0	329		7	0.00	0	0	0	329		7	0.00	0	0	0	572
	8	0.00	0	0	0	329		8	0.00	0	0	0	329		8	0.00	0	0	0	547
	9	0.00	0	0	0	329		9	0.00	0	0	0	329		9	0.00	0	0	0	532
	10	0.00	0	0	0	329		10	0.00	0	0	0	329		10	0.00	0	0	0	543
	11	0.00	0	0	0	329		11	0.00	0	0	0	329		11	0.00	0	0	0	532
	12	0.00	0	0	0	329		12	0.00	0	0	0	329		12	0.00	0	0	0	532
	13	0.00	0	0	0	329		13	0.00	0	0	0	329		13	0.00	0	0	0	543
	14	0.00	0	0	0	329		14	0.00	0	0	0	329		14	0.00	0	0	0	532
	15	0.00	0	0	0	329		15	0.00	0	0	0	329		15	0.00	0	0	0	539
	16	0.00	0	0	0	329		16	0.01	0	0	0	427		16	0.00	0	0	0	514
	17	0.00	0	0	0	329		17	0.00	0	0	0	417		17	0.00	0	0	0	454
	18	0.00	0	0	0	329		18	0.00	0	0	0	427		18	0.00	0	0	0	427
	19	0.00	0	0	0	329		19	0.02	0	0	0	427		19	0.00	0	0	0	427
	20	0.00	0	0	0	329		20	0.01	0	0	0	427		20	0.00	0	0	0	427
	21	0.00	0	0	0	329		21	0.05	0	0	0	427		21	0.00	0	0	0	427
	22	0.00	0	0	0	329		22	0.02	0	0	0	427		22	0.00	0	0	0	434
	23	0.00	0	0	0	329		23	0.04	0	0	0	437		23	0.00	0	0	0	430
MAR 25	0	0.00	0	0	0	329	MAR 27	0	0.03	0	0	0	532	MAR 29	0	0.00	0	0	0	427
	1	0.00	0	0	0	329		1	0.00	0	0	0	565		1	0.00	0	0	0	427
	2	0.00	0	0	0	329		2	0.00	0	0	0	656		2	0.00	0	0	0	427
	3	0.00	0	0	0	329		3	0.01	0	0	0	644		3	0.00	0	0	0	427
	4	0.00	0	0	0	329		4	0.00	0	0	0	621		4	0.00	0	0	0	427
	5	0.00	0	0	0	329		5	0.00	0	0	0	532		5	0.00	0	0	0	427
	6	0.00	0	0	0	329		6	0.01	0	0	0	532		6	0.00	0	0	0	420
	7	0.00	0	0	0	329		7	0.04	0	0	0	543		7	0.00	0	0	0	380
	8	0.00	0	0	0	329		8	0.04	0	0	0	532		8	0.00	0	0	0	374
	9	0.00	0	0	0	329		9	0.04	0	0	0	565		9	0.00	0	0	0	413
	10	0.00	0	0	0	329		10	0.06	0	0	0	715		10	0.00	0	0	0	420
	11	0.00	0	0	0	329		11	0.02	0	0	0	1047		11	0.00	0	0	0	423
	12	0.00	0	0	0	329		12	0.01	0	0	0	1242		12	0.00	0	0	0	420
	13	0.00	0	0	0	329		13	0.00	0	0	0	1242		13	0.00	0	0	0	393
	14	0.00	0	0	0	329		14	0.00	0	0	0	1143		14	0.00	0	0	0	336
	15	0.00	0	0	0	329		15	0.00	0	0	0	1033		15	0.00	0	0	0	329
	16	0.00	0	0	0	329		16	0.00	0	0	0	1047		16	0.00	0	0	0	329
	17	0.00	0	0	0	329		17	0.00	0	0	0	668		17	0.00	0	0	0	323
	18	0.00	0	0	0	329		18	0.00	0	0	0	656		18	0.00	0	0	0	326
	19	0.00	0	0	0	329		19	0.00	0	0	0	656		19	0.00	0	0	0	329
	20	0.00	0	0	0	329		20	0.00	0	0	0	644		20	0.00	0	0	0	329
	21	0.00	0	0	0	329		21	0.00	0	0	0	656		21	0.00	0	0	0	320
	22	0.00	0	0	0	329		22	0.00	0	0	0	633		22	0.00	0	0	0	329
	23	0.00	0	0	0	329		23	0.00	0	0	0	576		23	0.00	0	0	0	329

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----
MAR 30	0	0.00	0	0	0	320	APR 1	0	0.00	0	0	0	275	APR 3	0	0.00	0	0	0	240
	1	0.00	0	0	0	329		1	0.00	0	0	0	302		1	0.00	0	0	0	232
	2	0.00	0	0	0	329		2	0.00	0	0	0	320		2	0.00	0	0	0	235
	3	0.00	0	0	0	320		3	0.00	0	0	0	326		3	0.00	0	0	0	238
	4	0.00	0	0	0	329		4	0.00	0	0	0	329		4	0.00	0	0	0	216
	5	0.00	0	0	0	329		5	0.00	0	0	0	320		5	0.00	0	0	0	199
	6	0.00	0	0	0	323		6	0.00	0	0	0	329		6	0.00	0	0	0	189
	7	0.00	0	0	0	326		7	0.00	0	0	0	329		7	0.00	0	0	0	166
	8	0.00	0	0	0	329		8	0.00	0	0	0	320		8	0.00	0	0	0	161
	9	0.00	0	0	0	323		9	0.00	0	0	0	329		9	0.00	0	0	0	173
	10	0.00	0	0	0	326		10	0.00	0	0	0	329		10	0.00	0	0	0	224
	11	0.00	0	0	0	329		11	0.00	0	0	0	323		11	0.00	0	0	0	235
	12	0.00	0	0	0	323		12	0.00	0	0	0	326		12	0.00	0	0	0	232
	13	0.00	0	0	0	326		13	0.00	0	0	0	329		13	0.00	0	0	0	238
	14	0.00	0	0	0	329		14	0.00	0	0	0	323		14	0.00	0	0	0	232
	15	0.00	0	0	0	329		15	0.00	0	0	0	326		15	0.00	0	0	0	235
	16	0.00	0	0	0	320		16	0.00	0	0	0	329		16	0.00	0	0	0	205
	17	0.00	0	0	0	329		17	0.00	0	0	0	329		17	0.00	0	0	0	154
	18	0.00	0	0	0	329		18	0.00	0	0	0	320		18	0.00	0	0	0	154
	19	0.00	0	0	0	320		19	0.00	0	0	0	329		19	0.00	0	0	0	154
	20	0.00	0	0	0	329		20	0.00	0	0	0	329		20	0.00	0	0	0	154
	21	0.00	0	0	0	329		21	0.00	0	0	0	320		21	0.00	0	0	0	146
	22	0.00	0	0	0	320		22	0.00	0	0	0	329		22	0.00	0	0	0	154
	23	0.00	0	0	0	329		23	0.00	0	0	0	329		23	0.00	0	0	0	154
MAR 31	0	0.00	0	0	0	329	APR 2	0	0.00	0	0	0	323	APR 4	0	0.00	0	0	0	154
	1	0.00	0	0	0	320		1	0.00	0	0	0	326		1	0.00	0	0	0	154
	2	0.00	0	0	0	329		2	0.00	0	0	0	329		2	0.00	0	0	0	154
	3	0.00	0	0	0	329		3	0.00	0	0	0	329		3	0.00	0	0	0	158
	4	0.00	0	0	0	320		4	0.00	0	0	0	329		4	0.00	0	0	0	154
	5	0.00	0	0	0	329		5	0.00	0	0	0	323		5	0.00	0	0	0	154
	6	0.00	0	0	0	329		6	0.00	0	0	0	326		6	0.00	0	0	0	154
	7	0.00	0	0	0	308		7	0.00	0	0	0	329		7	0.00	0	0	0	154
	8	0.00	0	0	0	299		8	0.00	0	0	0	323		8	0.00	0	0	0	154
	9	0.00	0	0	0	284		9	0.00	0	0	0	326		9	0.00	0	0	0	154
	10	0.00	0	0	0	317		10	0.00	0	0	0	329		10	0.00	0	0	0	154
	11	0.00	0	0	0	329		11	0.00	0	0	0	323		11	0.00	0	0	0	154
	12	0.00	0	0	0	323		12	0.00	0	0	0	326		12	0.00	0	0	0	154
	13	0.00	0	0	0	326		13	0.00	0	0	0	329		13	0.00	0	0	0	154
	14	0.00	0	0	0	329		14	0.00	0	0	0	281		14	0.00	0	0	0	154
	15	0.00	0	0	0	323		15	0.00	0	0	0	235		15	0.00	0	0	0	154
	16	0.00	0	0	0	336		16	0.00	0	0	0	269		16	0.00	0	0	0	154
	17	0.00	0	0	0	329		17	0.00	0	0	0	326		17	0.00	0	0	0	154
	18	0.00	0	0	0	320		18	0.00	0	0	0	323		18	0.00	0	0	0	154
	19	0.00	0	0	0	305		19	0.00	0	0	0	260		19	0.00	0	0	0	154
	20	0.00	0	0	0	275		20	0.00	0	0	0	232		20	0.00	0	0	0	154
	21	0.00	0	0	0	260		21	0.00	0	0	0	235		21	0.00	0	0	0	154
	22	0.00	0	0	0	249		22	0.00	0	0	0	238		22	0.00	0	0	0	154
	23	0.00	0	0	0	272		23	0.00	0	0	0	232		23	0.00	0	0	0	154

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1
APR 5	0	0.00	0	0	0	154	APR 7	0	0.00	0	0	0	154	APR 9	0	0.00	0	0	0	152
	1	0.00	0	0	0	154		1	0.00	0	0	0	154		1	0.00	0	0	0	118
	2	0.00	0	0	0	154		2	0.00	0	0	0	154		2	0.00	0	0	0	154
	3	0.00	0	0	0	154		3	0.00	0	0	0	154		3	0.01	0	0	0	154
	4	0.00	0	0	0	154		4	0.00	0	0	0	154		4	0.00	0	0	0	158
	5	0.00	0	0	0	154		5	0.00	0	0	0	154		5	0.00	0	0	0	154
	6	0.00	0	0	0	156		6	0.00	0	0	0	154		6	0.02	0	0	0	154
	7	0.00	0	0	0	168		7	0.00	0	0	0	158		7	0.02	0	0	0	154
	8	0.00	0	0	0	166		8	0.00	0	0	0	154		8	0.01	0	0	0	154
	9	0.00	0	0	0	168		9	0.00	0	0	0	154		9	0.00	0	0	0	154
	10	0.00	0	0	0	173		10	0.00	0	0	0	154		10	0.00	0	0	0	158
	11	0.00	0	0	0	216		11	0.00	0	0	0	154		11	0.00	0	0	0	224
	12	0.00	0	0	0	232		12	0.00	0	0	0	154		12	0.00	0	0	0	238
	13	0.00	0	0	0	238		13	0.00	0	0	0	154		13	0.00	0	0	0	232
	14	0.00	0	0	0	232		14	0.00	0	0	0	154		14	0.00	0	0	0	235
	15	0.00	0	0	0	235		15	0.00	0	0	0	154		15	0.00	0	0	0	238
	16	0.00	0	0	0	238		16	0.00	0	0	0	154		16	0.00	0	0	0	205
	17	0.00	0	0	0	232		17	0.00	0	0	0	154		17	0.00	0	0	0	156
	18	0.00	0	0	0	235		18	0.00	0	0	0	154		18	0.00	0	0	0	154
	19	0.00	0	0	0	238		19	0.00	0	0	0	154		19	0.00	0	0	0	154
	20	0.00	0	0	0	232		20	0.00	0	0	0	156		20	0.00	0	0	0	154
	21	0.00	0	0	0	197		21	0.00	0	0	0	154		21	0.00	0	0	0	154
	22	0.00	0	0	0	156		22	0.00	0	0	0	154		22	0.00	0	0	0	154
	23	0.00	0	0	0	171		23	0.00	0	0	0	154		23	0.00	0	0	0	154
APR 6	0	0.00	0	0	0	158	APR 8	0	0.00	0	0	0	154	APR 10	0	0.00	0	0	0	154
	1	0.00	0	0	0	179		1	0.00	0	0	0	154		1	0.00	0	0	0	154
	2	0.00	0	0	0	238		2	0.00	0	0	0	154		2	0.01	0	0	0	152
	3	0.00	0	0	0	269		3	0.00	0	0	0	154		3	0.00	0	0	0	154
	4	0.00	0	0	0	329		4	0.00	0	0	0	154		4	0.00	0	0	0	154
	5	0.00	0	0	0	329		5	0.00	0	0	0	154		5	0.01	0	0	0	158
	6	0.00	0	0	0	323		6	0.00	0	0	0	154		6	0.01	0	0	0	154
	7	0.00	0	0	0	326		7	0.00	0	0	0	154		7	0.02	0	0	0	154
	8	0.00	0	0	0	329		8	0.00	0	0	0	152		8	0.02	0	0	0	168
	9	0.00	0	0	0	323		9	0.00	0	0	0	154		9	0.03	0	0	0	235
	10	0.00	0	0	0	326		10	0.00	0	0	0	154		10	0.01	0	0	0	232
	11	0.00	0	0	0	329		11	0.00	0	0	0	154		11	0.01	0	0	0	235
	12	0.00	0	0	0	311		12	0.00	0	0	0	154		12	0.01	0	0	0	302
	13	0.00	0	0	0	246		13	0.00	0	0	0	154		13	0.01	0	0	0	371
	14	0.00	0	0	0	235		14	0.00	0	0	0	154		14	0.00	0	0	0	427
	15	0.00	0	0	0	238		15	0.00	0	0	0	154		15	0.00	0	0	0	427
	16	0.00	0	0	0	232		16	0.00	0	0	0	154		16	0.00	0	0	0	427
	17	0.00	0	0	0	235		17	0.00	0	0	0	154		17	0.00	0	0	0	427
	18	0.00	0	0	0	238		18	0.00	0	0	0	154		18	0.00	0	0	0	427
	19	0.00	0	0	0	232		19	0.00	0	0	0	154		19	0.00	0	0	0	413
	20	0.00	0	0	0	235		20	0.00	0	0	0	154		20	0.00	0	0	0	339
	21	0.00	0	0	0	218		21	0.00	0	0	0	154		21	0.00	0	0	0	323
	22	0.00	0	0	0	176		22	0.00	0	0	0	154		22	0.00	0	0	0	326
	23	0.00	0	0	0	156		23	0.00	0	0	0	154		23	0.00	0	0	0	329

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)---	E4F2 FEET/HR)---	E3C1
APR 11	0	0.00	0	0	0	323	APR 13	0	0.03	0	0	0	656	APR 15	0	0.00	0	0	0	532
	1	0.00	0	0	0	326		1	0.04	0	0	0	652		1	0.00	0	0	0	543
	2	0.00	0	0	0	329		2	0.02	0	0	0	648		2	0.00	0	0	0	532
	3	0.00	0	0	0	329		3	0.00	0	0	0	884		3	0.00	0	0	0	532
	4	0.00	0	0	0	320		4	0.02	0	0	0	1157		4	0.00	0	0	0	543
	5	0.00	0	0	0	329		5	0.00	0	0	0	1584		5	0.00	0	0	0	532
	6	0.00	0	0	0	329		6	0.01	0	0	0	1635		6	0.00	0	0	0	539
	7	0.00	0	0	0	320		7	0.00	0	0	0	1442		7	0.00	0	0	0	536
	8	0.00	0	0	0	311		8	0.00	0	0	0	1338		8	0.00	0	0	0	532
	9	0.00	0	0	0	240		9	0.01	0	0	0	1232		9	0.00	0	0	0	543
	10	0.00	0	0	0	238		10	0.00	0	0	0	1190		10	0.00	0	0	0	532
	11	0.01	0	0	0	232		11	0.00	0	0	0	1185		11	0.00	0	0	0	532
	12	0.00	0	0	0	235		12	0.00	0	0	0	1185		12	0.00	0	0	0	543
	13	0.00	0	0	0	238		13	0.00	0	0	0	1152		13	0.00	0	0	0	532
	14	0.00	0	0	0	235		14	0.00	0	0	0	1047		14	0.00	0	0	0	532
	15	0.00	0	0	0	238		15	0.00	0	0	0	1047		15	0.00	0	0	0	543
	16	0.00	0	0	0	232		16	0.00	0	0	0	1020		16	0.00	0	0	0	532
	17	0.00	0	0	0	232		17	0.00	0	0	0	1002		17	0.00	0	0	0	539
	18	0.00	0	0	0	229		18	0.00	0	0	0	927		18	0.00	0	0	0	536
	19	0.00	0	0	0	186		19	0.00	0	0	0	664		19	0.00	0	0	0	532
	20	0.00	0	0	0	158		20	0.00	0	0	0	656		20	0.00	0	0	0	539
	21	0.00	0	0	0	154		21	0.00	0	0	0	652		21	0.01	0	0	0	536
	22	0.00	0	0	0	154		22	0.00	0	0	0	656		22	0.03	0	0	0	532
	23	0.03	0	0	0	154		23	0.00	0	0	0	648		23	0.03	0	0	0	539
APR 12	0	0.02	0	0	0	154	APR 14	0	0.00	0	0	0	656	APR 16	0	0.03	0	0	0	536
	1	0.02	0	0	0	158		1	0.00	0	0	0	656		1	0.02	0	0	0	532
	2	0.03	0	0	0	221		2	0.00	0	0	0	652		2	0.02	0	0	0	543
	3	0.01	0	0	0	232		3	0.00	0	0	0	648		3	0.02	0	0	0	633
	4	0.00	0	0	0	252		4	0.00	0	0	0	656		4	0.03	0	0	0	656
	5	0.00	0	0	0	311		5	0.00	0	0	0	644		5	0.00	0	0	0	914
	6	0.00	0	0	0	380		6	0.00	0	0	0	633		6	0.01	0	0	0	1047
	7	0.00	0	0	0	427		7	0.00	0	0	0	656		7	0.03	0	0	0	1092
	8	0.00	0	0	0	427		8	0.00	0	0	0	652		8	0.01	0	0	0	1213
	9	0.00	0	0	0	427		9	0.00	0	0	0	648		9	0.01	0	0	0	1289
	10	0.00	0	0	0	427		10	0.00	0	0	0	656		10	0.01	0	0	0	1270
	11	0.03	0	0	0	427		11	0.00	0	0	0	644		11	0.00	0	0	0	1285
	12	0.02	0	0	0	420		12	0.00	0	0	0	656		12	0.00	0	0	0	1594
	13	0.01	0	0	0	384		13	0.00	0	0	0	648		13	0.00	0	0	0	1688
	14	0.00	0	0	0	427		14	0.00	0	0	0	486		14	0.06	0	0	0	1783
	15	0.02	0	0	0	468		15	0.00	0	0	0	336		15	0.00	0	0	0	1672
	16	0.06	0	0	0	536		16	0.00	0	0	0	569		16	0.00	0	0	0	1646
	17	0.00	0	0	0	532		17	0.00	0	0	0	576		17	0.00	0	0	0	1656
	18	0.00	0	0	0	637		18	0.00	0	0	0	539		18	0.00	0	0	0	1688
	19	0.01	0	0	0	945		19	0.00	0	0	0	532		19	0.00	0	0	0	1799
	20	0.00	0	0	0	1092		20	0.00	0	0	0	539		20	0.01	0	0	0	1751
	21	0.00	0	0	0	855		21	0.00	0	0	0	536		21	0.01	0	0	0	1651
	22	0.01	0	0	0	652		22	0.00	0	0	0	539		22	0.01	0	0	0	1646
	23	0.01	0	0	0	648		23	0.00	0	0	0	536		23	0.00	0	0	0	1640



HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
APR 17	0	0.00	0	0	0	1609	APR 19	0	0.00	0	0	0	656	APR 21	0	0.00	0	0	0	543
	1	0.00	0	0	0	1609		1	0.00	0	0	0	648		1	0.00	0	0	0	532
	2	0.00	0	0	0	1646		2	0.00	0	0	0	656		2	0.00	0	0	0	482
	3	0.00	0	0	0	1512		3	0.00	0	0	0	648		3	0.00	0	0	0	489
	4	0.00	0	0	0	1251		4	0.00	0	0	0	656		4	0.00	0	0	0	475
	5	0.00	0	0	0	1251		5	0.00	0	0	0	652		5	0.00	0	0	0	486
	6	0.00	0	0	0	1246		6	0.00	0	0	0	648		6	0.00	0	0	0	461
	7	0.00	0	0	0	1185		7	0.00	0	0	0	656		7	0.00	0	0	0	454
	8	0.00	0	0	0	1185		8	0.00	0	0	0	652		8	0.00	0	0	0	525
	9	0.00	0	0	0	1185		9	0.00	0	0	0	648		9	0.00	0	0	0	532
	10	0.02	0	0	0	1185		10	0.00	0	0	0	656		10	0.00	0	0	0	539
	11	0.02	0	0	0	1166		11	0.00	0	0	0	652		11	0.00	0	0	0	536
	12	0.00	0	0	0	1088		12	0.00	0	0	0	648		12	0.00	0	0	0	532
	13	0.00	0	0	0	1047		13	0.00	0	0	0	656		13	0.00	0	0	0	543
	14	0.00	0	0	0	1065		14	0.00	0	0	0	656		14	0.00	0	0	0	532
	15	0.00	0	0	0	1171		15	0.00	0	0	0	652		15	0.00	0	0	0	532
	16	0.00	0	0	0	1185		16	0.00	0	0	0	656		16	0.00	0	0	0	521
	17	0.01	0	0	0	1175		17	0.00	0	0	0	648		17	0.00	0	0	0	454
	18	0.00	0	0	0	1065		18	0.00	0	0	0	656		18	0.00	0	0	0	427
	19	0.00	0	0	0	1047		19	0.00	0	0	0	644		19	0.00	0	0	0	427
	20	0.00	0	0	0	1033		20	0.00	0	0	0	656		20	0.00	0	0	0	427
	21	0.00	0	0	0	1038		21	0.00	0	0	0	652		21	0.00	0	0	0	427
	22	0.00	0	0	0	1033		22	0.00	0	0	0	648		22	0.00	0	0	0	427
	23	0.00	0	0	0	1029		23	0.00	0	0	0	614		23	0.00	0	0	0	427
APR 18	0	0.00	0	0	0	1033	APR 20	0	0.00	0	0	0	565	APR 22	0	0.00	0	0	0	427
	1	0.00	0	0	0	1033		1	0.00	0	0	0	543		1	0.00	0	0	0	427
	2	0.00	0	0	0	958		2	0.00	0	0	0	543		2	0.00	0	0	0	427
	3	0.00	0	0	0	804		3	0.00	0	0	0	536		3	0.00	0	0	0	427
	4	0.00	0	0	0	664		4	0.00	0	0	0	539		4	0.00	0	0	0	427
	5	0.00	0	0	0	652		5	0.00	0	0	0	536		5	0.00	0	0	0	427
	6	0.00	0	0	0	648		6	0.00	0	0	0	532		6	0.00	0	0	0	427
	7	0.00	0	0	0	656		7	0.00	0	0	0	539		7	0.00	0	0	0	427
	8	0.00	0	0	0	652		8	0.00	0	0	0	536		8	0.00	0	0	0	427
	9	0.00	0	0	0	648		9	0.00	0	0	0	532		9	0.00	0	0	0	427
	10	0.00	0	0	0	656		10	0.00	0	0	0	543		10	0.00	0	0	0	427
	11	0.00	0	0	0	652		11	0.00	0	0	0	532		11	0.00	0	0	0	427
	12	0.00	0	0	0	648		12	0.00	0	0	0	539		12	0.00	0	0	0	427
	13	0.00	0	0	0	656		13	0.00	0	0	0	536		13	0.00	0	0	0	427
	14	0.00	0	0	0	656		14	0.00	0	0	0	532		14	0.00	0	0	0	482
	15	0.00	0	0	0	652		15	0.00	0	0	0	539		15	0.00	0	0	0	532
	16	0.00	0	0	0	656		16	0.00	0	0	0	536		16	0.00	0	0	0	543
	17	0.00	0	0	0	648		17	0.00	0	0	0	532		17	0.00	0	0	0	532
	18	0.00	0	0	0	656		18	0.00	0	0	0	437		18	0.00	0	0	0	543
	19	0.00	0	0	0	652		19	0.00	0	0	0	532		19	0.00	0	0	0	518
	20	0.00	0	0	0	648		20	0.00	0	0	0	532		20	0.00	0	0	0	465
	21	0.00	0	0	0	656		21	0.00	0	0	0	539		21	0.00	0	0	0	430
	22	0.00	0	0	0	652		22	0.00	0	0	0	536		22	0.00	0	0	0	427
	23	0.00	0	0	0	648		23	0.00	0	0	0	532		23	0.00	0	0	0	427

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 ---	E3C1 ----
APR 23	0	0.00	0	0	0	427	APR 25	0	0.00	0	0	0	427	APR 27	0	0.00	0	0	0	329
	1	0.00	0	0	0	427		1	0.00	0	0	0	427		1	0.00	0	0	0	323
	2	0.00	0	0	0	427		2	0.00	0	0	0	427		2	0.00	0	0	0	326
	3	0.00	0	0	0	427		3	0.00	0	0	0	427		3	0.00	0	0	-1	329
	4	0.00	0	0	0	427		4	0.00	0	0	0	427		4	0.00	0	0	-1	323
	5	0.00	0	0	0	427		5	0.00	0	0	0	427		5	0.00	0	0	-1	326
	6	0.00	0	0	0	427		6	0.00	0	0	0	427		6	0.06	0	0	-1	413
	7	0.00	0	0	0	427		7	0.00	0	0	0	427		7	0.08	0	0	-1	625
	8	0.00	0	0	0	427		8	0.00	0	0	0	427		8	0.12	0	0	-1	1367
	9	0.00	0	0	0	427		9	0.00	0	0	0	427		9	0.05	0	0	-1	1799
	10	0.00	0	0	0	427		10	0.00	0	0	0	427		10	0.03	0	0	-1	1746
	11	0.00	0	0	0	440		11	0.00	0	0	0	427		11	0.01	0	0	-1	1640
	12	0.00	0	0	0	521		12	0.00	0	0	0	427		12	0.00	0	0	-1	1294
	13	0.00	0	0	0	591		13	0.00	0	0	0	427		13	0.00	0	0	-1	1083
	14	0.00	0	0	0	715		14	0.00	0	0	0	427		14	0.00	0	0	0	980
	15	0.00	0	0	0	715		15	0.00	0	0	0	427		15	0.00	0	0	0	829
	16	0.00	0	0	0	743		16	0.00	0	0	0	427		16	0.00	0	0	0	652
	17	0.00	0	0	0	656		17	0.00	0	0	0	427		17	0.00	0	0	0	648
	18	0.00	0	0	0	652		18	0.00	0	0	0	427		18	0.00	0	0	0	656
	19	0.00	0	0	0	648		19	0.00	0	0	0	351		19	0.00	0	0	0	675
	20	0.00	0	0	0	572		20	0.00	0	0	0	342		20	0.09	0	0	0	1029
	21	0.00	0	0	0	543		21	0.00	0	0	0	320		21	0.00	0	0	0	1270
	22	0.00	0	0	0	532		22	0.00	0	0	0	336		22	0.00	0	0	0	1157
	23	0.00	0	0	0	539		23	0.00	0	0	0	332		23	0.00	0	0	0	1042
APR 24	0	0.00	0	0	0	536	APR 26	0	0.00	0	0	0	323	APR 28	0	0.00	0	0	0	967
	1	0.00	0	0	0	532		1	0.00	0	0	0	326		1	0.00	0	0	0	863
	2	0.00	0	0	0	514		2	0.00	0	0	0	329		2	0.00	0	0	0	652
	3	0.00	0	0	0	451		3	0.00	0	0	0	329		3	0.00	0	0	0	648
	4	0.00	0	0	0	427		4	0.00	0	0	0	329		4	0.00	0	0	0	656
	5	0.00	0	0	0	427		5	0.00	0	0	0	329		5	0.00	0	0	0	652
	6	0.00	0	0	0	427		6	0.00	0	0	0	323		6	0.00	0	0	0	656
	7	0.00	0	0	0	427		7	0.00	0	0	0	326		7	0.00	0	0	0	648
	8	0.00	0	0	0	427		8	0.00	0	0	0	329		8	0.00	0	0	0	656
	9	0.00	0	0	0	427		9	0.00	0	0	0	323		9	0.00	0	0	0	652
	10	0.00	0	0	0	427		10	0.00	0	0	0	326		10	0.00	0	0	0	648
	11	0.00	0	0	0	427		11	0.00	0	0	0	329		11	0.00	0	0	0	656
	12	0.00	0	0	0	427		12	0.00	0	0	0	329		12	0.00	0	0	0	652
	13	0.00	0	0	0	427		13	0.00	0	0	0	320		13	0.00	0	0	0	648
	14	0.00	0	0	0	427		14	0.00	0	0	0	329		14	0.00	0	0	0	656
	15	0.00	0	0	0	427		15	0.00	0	0	0	329		15	0.00	0	0	0	652
	16	0.00	0	0	0	427		16	0.00	0	0	0	320		16	0.00	0	0	0	648
	17	0.00	0	0	0	427		17	0.00	0	0	0	329		17	0.00	0	0	0	580
	18	0.00	0	0	0	427		18	0.00	0	0	0	329		18	0.00	0	0	0	536
	19	0.00	0	0	0	427		19	0.00	0	0	0	320		19	0.00	0	0	0	468
	20	0.00	0	0	0	427		20	0.00	0	0	0	329		20	0.00	0	0	0	500
	21	0.00	0	0	0	427		21	0.00	0	0	0	329		21	0.00	0	0	0	532
	22	0.00	0	0	0	427		22	0.00	0	0	0	323		22	0.00	0	0	0	539
	23	0.00	0	0	0	427		23	0.00	0	0	0	326		23	0.00	0	0	0	536

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---	E4F1 (CUBIC	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---	E4F1 (CUBIC	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---	E4F1 (CUBIC	E4F2 FEET/HR)	E3C1 ----
APR 29	0	0.00	0	0	0	532	MAY 1	0	0.00	0	0	0	235	MAY 3	0	0.00	0	0	0	232
	1	0.00	0	0	0	539		1	0.00	0	0	0	232		1	0.00	0	0	0	240
	2	0.00	0	0	0	536		2	0.00	0	0	0	232		2	0.00	0	0	0	232
	3	0.00	0	0	0	532		3	0.00	0	0	0	232		3	0.00	0	0	0	235
	4	0.00	0	0	0	543		4	0.00	0	0	0	232		4	0.00	0	0	0	238
	5	0.00	0	0	0	532		5	0.00	0	0	0	232		5	0.00	0	0	0	232
	6	0.00	0	0	0	532		6	0.00	0	0	0	232		6	0.00	0	0	0	235
	7	0.00	0	0	0	543		7	0.00	0	0	0	232		7	0.00	0	0	0	238
	8	0.00	0	0	0	532		8	0.00	0	0	0	232		8	0.00	0	0	0	232
	9	0.00	0	0	0	539		9	0.00	0	0	0	232		9	0.00	0	0	0	235
	10	0.00	0	0	0	536		10	0.00	0	0	0	232		10	0.00	0	0	0	238
	11	0.00	0	0	0	532		11	0.00	0	0	0	232		11	0.00	0	0	0	232
	12	0.00	0	0	0	539		12	0.00	0	0	0	232		12	0.00	0	0	0	235
	13	0.00	0	0	0	536		13	0.00	0	0	0	232		13	0.00	0	0	0	238
	14	0.00	0	0	0	532		14	0.00	0	0	0	232		14	0.00	0	0	0	226
	15	0.00	0	0	0	479		15	0.00	0	0	0	232		15	0.00	0	0	0	186
	16	0.00	0	0	0	420		16	0.00	0	0	0	232		16	0.00	0	0	0	161
	17	0.00	0	0	0	339		17	0.00	0	0	0	232		17	0.00	0	0	0	161
	18	0.00	0	0	0	329		18	0.00	0	0	0	232		18	0.00	0	0	0	161
	19	0.00	0	0	0	329		19	0.00	0	0	0	232		19	0.00	0	0	0	161
	20	0.00	0	0	0	320		20	0.00	0	0	0	232		20	0.00	0	0	0	161
	21	0.00	0	0	0	329		21	0.00	0	0	0	232		21	0.00	0	0	0	156
	22	0.00	0	0	0	329		22	0.00	0	0	0	232		22	0.00	0	0	0	146
	23	0.00	0	0	0	323		23	0.00	0	0	0	232		23	0.00	0	0	0	146
APR 30	0	0.00	0	0	0	326	MAY 2	0	0.00	0	0	0	232	MAY 4	0	0.00	0	0	0	146
	1	0.00	0	0	0	329		1	0.00	0	0	0	232		1	0.00	0	0	0	146
	2	0.00	0	0	0	323		2	0.00	0	0	0	235		2	0.00	0	0	0	146
	3	0.00	0	0	0	326		3	0.00	0	0	0	238		3	0.00	0	-1	-1	161
	4	0.00	0	0	0	329		4	0.00	0	0	0	232		4	0.02	0	-1	-1	232
	5	0.00	0	0	0	348		5	0.00	0	0	0	235		5	0.03	0	-1	-1	232
	6	0.00	0	0	0	329		6	0.00	0	0	0	238		6	0.03	0	-1	-1	257
	7	0.00	0	0	0	320		7	0.00	0	0	0	232		7	0.01	0	-1	-1	314
	8	0.00	0	0	0	329		8	0.00	0	0	0	235		8	0.03	0	-1	-1	329
	9	0.00	0	0	0	329		9	0.00	0	0	0	238		9	0.00	0	-1	-1	390
	10	0.00	0	0	0	320		10	0.00	0	0	0	235		10	0.03	0	-1	-1	427
	11	0.00	0	0	0	329		11	0.00	0	0	0	238		11	0.02	0	-1	-1	427
	12	0.00	0	0	0	329		12	0.00	0	0	0	232		12	0.03	0	-1	-1	514
	13	0.00	0	0	0	320		13	0.00	0	0	0	235		13	0.04	0	-1	-1	576
	14	0.00	0	0	0	329		14	0.00	0	0	0	238		14	0.04	0	-1	-1	648
	15	0.00	0	0	0	329		15	0.00	0	0	0	232		15	0.02	0	-1	-1	656
	16	0.00	0	0	0	293		16	0.00	0	0	0	235		16	0.02	0	-1	-1	906
	17	0.00	0	0	0	246		17	0.00	0	0	0	238		17	0.05	0	-1	-1	1106
	18	0.00	0	0	0	232		18	0.00	0	0	0	232		18	0.09	0	-1	-1	1804
	19	0.00	0	0	0	235		19	0.00	0	0	0	235		19	0.10	0	-1	-1	3216
	20	0.00	0	0	0	238		20	0.00	0	0	0	238		20	0.12	0	-1	-1	4508
	21	0.00	0	0	0	235		21	0.00	0	0	0	232		21	0.03	0	-1	-1	3896
	22	0.00	0	0	0	238		22	0.00	0	0	0	235		22	0.02	0	-1	-1	3255
	23	0.00	0	0	0	232		23	0.00	0	0	0	238		23	0.03	0	-1	-1	3094

HOURLY PRECIPITATION AND FLOW 1978/79 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----	DATE	HR	PRECIP (IN/HR)	E1F1 ---(CUBIC	E4F1 FEET/HR)	E4F2 FEET/HR)	E3C1 ----
MAY 5	0	0.01	0	-1	-1	3094	MAY 7	0	0.00	0	-1	73	6305	MAY 9	0	0.00	0	-1	41	2325
	1	0.01	0	-1	-1	2961		1	0.00	0	-1	78	5783		1	0.00	0	-1	42	2239
	2	0.01	0	-1	-1	2886		2	0.00	0	-1	78	5186		2	0.00	0	-1	39	2153
	3	0.01	0	-1	-1	2775		3	0.00	0	-1	78	4566		3	0.00	0	-1	36	2153
	4	0.07	0	-1	-1	2961		4	0.00	0	-1	75	4202		4	0.00	0	-1	36	2153
	5	0.02	0	-1	-1	3787		5	0.00	0	-1	72	3807		5	0.00	0	-1	36	1968
	6	0.07	0	-1	-1	4718		6	0.00	0	-1	78	3706		6	0.00	0	-1	36	1968
	7	0.00	0	-1	-1	5597		7	0.00	0	-1	78	3465		7	0.00	0	-1	36	1805
	8	0.10	0	-1	-1	5276		8	0.00	0	-1	78	3288		8	0.00	0	-1	36	1805
	9	0.02	0	-1	-1	6596		9	0.00	0	-1	76	3288		9	0.00	0	-1	41	1805
	10	0.00	0	-1	-1	7014		10	0.00	0	-1	74	3191		10	0.00	0	-1	42	1805
	11	0.00	0	-1	-1	6019		11	0.02	0	-1	135	3114		11	0.00	0	-1	38	1805
	12	0.00	0	-1	-1	5186		12	0.00	0	-1	117	3346							
	13	0.10	0	-1	-1	6329		13	0.00	0	-1	103	3288							
	14	0.00	0	-1	-1	6965		14	0.00	0	-1	86	3152							
	15	0.00	0	-1	-1	6019		15	0.00	0	-1	77	3075							
	16	0.00	0	-1	-1	5163		16	0.00	0	-1	66	3114							
	17	0.00	0	-1	-1	4566		17	0.00	0	-1	42	3075							
	18	0.00	0	-1	-1	4118		18	0.00	0	-1	40	2905							
	19	0.00	0	-1	-1	3828		19	0.00	0	-1	36	2738							
	20	0.00	0	-1	-1	3485		20	0.00	0	-1	36	2830							
	21	0.00	0	-1	-1	3327		21	0.00	0	-1	36	2520							
	22	0.02	0	-1	-1	3191		22	0.00	0	-1	36	2484							
	23	0.01	0	-1	-1	3094		23	0.00	0	-1	36	2360							
MAY 6	0	0.00	0	-1	-1	3094	MAY 8	0	0.00	0	-1	36	2343							
	1	0.03	0	-1	-1	3094		1	0.00	0	-1	41	2325							
	2	0.02	0	-1	-1	3268		2	0.00	0	-1	42	2325							
	3	0.01	0	-1	-1	3685		3	0.00	0	-1	36	2325							
	4	0.00	0	-1	-1	3665		4	0.00	0	-1	36	2273							
	5	0.04	0	-1	-1	3525		5	0.00	0	-1	36	2187							
	6	0.05	0	-1	-1	3848		6	0.00	0	-1	40	2153							
	7	0.07	0	-1	-1	5051		7	0.00	0	-1	42	2153							
	8	0.07	0	-1	-1	7164		8	0.00	0	-1	42	2153							
	9	0.03	0	-1	-1	9092		9	0.00	0	-1	42	2279							
	10	0.08	0	-1	-1	10931		10	0.00	0	-1	37	2153							
	11	0.01	0	-1	-1	12544		11	0.00	0	-1	36	2153							
	12	0.00	0	-1	-1	10788		12	0.00	0	-1	36	2153							
	13	0.11	0	-1	-1	9804		13	0.00	0	-1	36	2153							
	14	0.12	0	-1	-1	31480		14	0.00	0	-1	37	2153							
	15	0.03	0	-1	-1	42616		15	0.00	0	-1	27	2085							
	16	0.02	0	-1	117	31319		16	0.00	0	-1	22	1886							
	17	0.00	0	-1	114	22530		17	0.00	0	-1	22	1821							
	18	0.00	0	-1	77	17555		18	0.09	0	-1	168	2068							
	19	0.00	0	-1	75	12966		19	0.02	0	-1	195	2646							
	20	0.00	0	-1	58	10589		20	0.01	0	-1	122	3075							
	21	0.00	0	-1	76	8957		21	0.00	0	-1	83	2610							
	22	0.00	0	-1	78	7722		22	0.00	0	-1	76	2592							
	23	0.00	0	-1	74	6596		23	0.00	0	-1	42	2413							

HOURLY PRECIPITATION AND FLOW 1979/80

DATE	HR	PRECIP (IN/HR)	E1F1 ----- (CUBIC FEET/HR)	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 ----- (CUBIC FEET/HR)	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 ----- (CUBIC FEET/HR)	E4F1	E4F2	E3C1	E4V1
OCT 15	0	0.00	0	-1	-1	0	0	OCT 17	0	0.00	0	-1	-1	0	0	OCT 19	0	0.16	0	-1	-1	0	0
	1	0.00	0	-1	-1	0	0		1	0.00	0	-1	-1	0	0		1	0.12	0	-1	-1	0	0
	2	0.00	0	-1	-1	0	0		2	0.00	0	-1	-1	0	0		2	0.03	0	-1	-1	0	0
	3	0.00	0	-1	-1	0	0		3	0.00	0	-1	-1	0	0		3	0.07	0	-1	-1	0	0
	4	0.00	0	-1	-1	0	0		4	0.00	0	-1	-1	0	0		4	0.01	0	-1	-1	0	0
	5	0.00	0	-1	-1	0	0		5	0.00	0	-1	-1	0	0		5	0.00	0	-1	-1	0	0
	6	0.00	0	-1	-1	0	0		6	0.00	0	-1	-1	0	0		6	0.00	0	-1	-1	0	0
	7	0.00	0	-1	-1	0	0		7	0.00	0	-1	-1	0	0		7	0.00	0	-1	-1	0	0
	8	0.00	0	-1	-1	0	0		8	0.00	0	-1	-1	0	0		8	0.02	0	-1	-1	0	0
	9	0.00	0	-1	-1	0	0		9	0.00	0	-1	-1	0	0		9	0.01	0	-1	-1	0	0
	10	0.00	0	-1	-1	0	0		10	0.00	0	-1	-1	0	0		10	0.00	0	-1	-1	0	0
	11	0.00	0	-1	-1	0	0		11	0.00	0	-1	-1	0	0		11	0.00	0	-1	-1	0	0
	12	0.00	0	-1	-1	0	0		12	0.00	0	-1	-1	0	0		12	0.00	0	-1	-1	0	0
	13	0.00	0	-1	-1	0	0		13	0.00	0	-1	-1	0	0		13	0.00	0	-1	-1	0	0
	14	0.00	0	-1	-1	0	0		14	0.00	0	-1	-1	0	0		14	0.00	0	-1	-1	0	0
	15	0.00	0	-1	-1	0	0		15	0.00	0	-1	-1	0	0		15	0.00	0	-1	-1	0	0
	16	0.00	0	-1	-1	0	0		16	0.00	0	-1	-1	0	0		16	0.00	0	-1	-1	0	0
	17	0.00	0	-1	-1	0	0		17	0.00	0	-1	-1	0	0		17	0.10	0	-1	-1	0	0
	18	0.00	0	-1	-1	0	0		18	0.00	0	-1	-1	0	0		18	0.13	0	-1	-1	0	0
	19	0.00	0	-1	-1	0	0		19	0.00	0	-1	-1	0	0		19	0.02	0	-1	-1	0	0
	20	0.00	0	-1	-1	0	0		20	0.00	0	-1	-1	0	0		20	0.02	0	-1	-1	0	0
	21	0.00	0	-1	-1	0	0		21	0.00	0	-1	-1	0	0		21	0.00	0	-1	-1	0	0
	22	0.00	0	-1	-1	0	0		22	0.00	0	-1	-1	0	0		22	0.00	0	-1	-1	0	0
	23	0.00	0	-1	-1	0	0		23	0.00	0	-1	-1	0	0		23	0.00	0	-1	-1	0	0
OCT 16	0	0.00	0	-1	-1	0	0	OCT 18	0	0.00	0	-1	-1	0	0	OCT 20	0	0.00	0	-1	-1	0	0
	1	0.00	0	-1	-1	0	0		1	0.00	0	-1	-1	0	0		1	0.00	0	-1	-1	0	0
	2	0.00	0	-1	-1	0	0		2	0.00	0	-1	-1	0	0		2	0.00	0	-1	-1	0	0
	3	0.00	0	-1	-1	0	0		3	0.01	0	-1	-1	0	0		3	0.00	0	-1	-1	0	0
	4	0.00	0	-1	-1	0	0		4	0.01	0	-1	-1	0	0		4	0.15	0	-1	-1	0	0
	5	0.00	0	-1	-1	0	0		5	0.05	0	-1	-1	0	0		5	0.08	0	-1	-1	0	0
	6	0.00	0	-1	-1	0	0		6	0.07	0	-1	-1	0	0		6	0.04	0	-1	-1	0	0
	7	0.00	0	-1	-1	0	0		7	0.07	0	-1	-1	0	0		7	0.07	0	-1	-1	0	0
	8	0.00	0	-1	-1	0	0		8	0.07	0	-1	-1	0	0		8	0.09	0	-1	-1	0	0
	9	0.00	0	-1	-1	0	0		9	0.05	0	-1	-1	0	0		9	0.12	0	-1	-1	0	0
	10	0.00	0	-1	-1	0	0		10	0.09	0	-1	-1	0	0		10	0.15	0	-1	-1	99	0
	11	0.00	0	-1	-1	0	0		11	0.02	0	-1	-1	0	0		11	0.12	0	-1	-1	192	0
	12	0.00	0	-1	-1	0	0		12	0.04	0	-1	-1	0	0		12	0.08	0	-1	-1	232	0
	13	0.00	0	-1	-1	0	0		13	0.06	0	-1	-1	0	0		13	0.03	0	-1	-1	284	0
	14	0.00	0	-1	-1	0	0		14	0.04	0	-1	-1	0	0		14	0.00	0	84	-1	610	-1
	15	0.00	0	-1	-1	0	0		15	0.06	0	-1	-1	0	0		15	0.00	0	84	-1	644	-1
	16	0.00	0	-1	-1	0	0		16	0.04	0	-1	-1	0	0		16	0.00	0	14	-1	576	-1
	17	0.00	0	-1	-1	0	0		17	0.06	0	-1	-1	0	0		17	0.00	0	0	-1	437	-1
	18	0.00	0	-1	-1	0	0		18	0.06	0	-1	-1	0	0		18	0.00	0	0	-1	302	-1
	19	0.00	0	-1	-1	0	0		19	0.03	0	-1	-1	0	0		19	0.00	0	0	-1	216	-1
	20	0.00	0	-1	-1	0	0		20	0.08	0	-1	-1	0	0		20	0.00	0	0	-1	154	-1
	21	0.00	0	-1	-1	0	0		21	0.12	0	-1	-1	0	0		21	0.00	0	0	-1	86	-1
	22	0.00	0	-1	-1	0	0		22	0.17	0	-1	-1	0	0		22	0.00	0	0	-1	86	-1
	23	0.00	0	-1	-1	0	0		23	0.04	0	-1	-1	0	0		23	0.00	0	0	-1	38	-1

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	
OCT 21	0	0.00	0	0	-1	29	-1	OCT 23	0	0.00	0	0	0	0	0	OCT 25	0	0.18	0	30	1299	58	-1	
	1	0.00	0	0	-1	33	-1		1	0.00	0	0	0	0	0		1	0.18	0	158	2058	249	-1	
	2	0.00	0	0	-1	29	-1		2	0.04	0	0	0	0	0		2	0.01	0	39	319	621	-1	
	3	0.00	0	0	-1	33	-1		3	0.00	0	0	0	0	0		3	0.00	0	0	0	1387	-1	
	4	0.00	0	0	-1	29	-1		4	0.00	0	0	0	0	0		4	0.07	0	0	87	1157	-1	
	5	0.00	0	0	-1	33	-1		5	0.00	0	0	0	0	0		5	0.00	0	0	110	644	-1	
	6	0.01	0	0	-1	29	-1		6	0.00	0	0	0	0	0		6	0.01	0	0	0	458	-1	
	7	0.01	0	0	-1	29	-1		7	0.01	0	0	0	0	0		7	0.00	0	0	0	417	-1	
	8	0.00	0	0	-1	29	-1		8	0.00	0	0	0	0	0		8	0.00	0	0	0	358	-1	
	9	0.00	0	0	-1	29	0		9	0.01	0	0	0	0	0		9	0.00	0	0	0	249	-1	
	10	0.00	0	0	-1	29	0		10	0.00	0	0	0	0	0		10	0.00	0	0	0	207	0	
	11	0.00	0	0	-1	29	0		11	0.00	0	0	0	0	0		11	0.00	0	0	0	154	0	
	12	0.00	0	0	-1	29	0		12	0.00	0	0	0	0	0		12	0.00	0	0	0	146	1	
	13	0.00	0	0	-1	29	0		13	0.00	0	0	0	0	0		13	0.00	0	0	0	86	0	
	14	0.00	0	0	-1	29	0		14	0.00	0	0	0	0	0		14	0.00	0	0	0	80	0	
	15	0.00	0	0	-1	29	0		15	0.00	0	0	0	0	0		15	0.05	0	0	0	86	0	
	16	0.00	0	0	-1	29	0		16	0.00	0	0	0	0	0		16	0.02	0	0	0	86	0	
	17	0.00	0	0	-1	0	0		17	0.00	0	0	0	0	0		17	0.00	0	0	0	86	0	
	18	0.00	0	0	-1	0	0		18	0.00	0	0	0	0	0		18	0.00	0	0	0	80	0	
	19	0.00	0	0	-1	0	0		19	0.00	0	0	0	0	0		19	0.06	0	0	4	93	0	
	20	0.00	0	0	-1	0	0		20	0.00	0	0	0	0	0		20	0.02	0	0	0	139	0	
	21	0.00	0	0	-1	0	0		21	0.00	0	0	0	0	0		21	0.01	0	0	0	154	0	
	22	0.00	0	0	-1	0	0		22	0.00	0	0	0	0	0		22	0.04	0	0	25	154	0	
	23	0.00	0	0	-1	0	0		23	0.00	0	0	0	0	0		23	0.01	0	0	0	293	0	
								OCT 24	0	0.00	0	0	0	0	0	OCT 26	0	0.00	0	0	0	1185	0	
OCT 22	0	0.00	0	0	-1	0	0		1	0.03	0	0	0	0	0		1	0.00	0	0	0	232	0	
	1	0.00	0	0	-1	0	0		2	0.04	0	0	0	0	0		2	0.00	0	0	0	240	0	
	2	0.00	0	0	-1	0	0		3	0.04	0	0	0	0	0		3	0.00	0	0	0	232	0	
	3	0.00	0	0	-1	0	0		4	0.02	0	0	0	0	0		4	0.00	0	0	0	184	0	
	4	0.00	0	0	-1	0	0		5	0.02	0	0	0	0	0		5	0.00	0	0	0	154	0	
	5	0.00	0	0	-1	0	0		6	0.01	0	0	0	0	0		6	0.00	0	0	0	154	0	
	6	0.00	0	0	-1	0	0		7	0.05	0	0	0	0	0		7	0.00	0	0	0	154	0	
	7	0.00	0	0	-1	0	0		8	0.05	0	0	0	0	0		8	0.00	0	0	0	125	0	
	8	0.00	0	0	-1	0	0		9	0.01	0	0	0	0	0		9	0.00	0	0	0	99	0	
	9	0.00	0	0	-1	0	0		10	0.00	0	0	0	0	0		10	0.00	0	0	0	93	0	
	10	0.00	0	0	-1	0	0		11	0.02	0	0	0	0	0		11	0.00	0	0	0	86	0	
	11	0.01	0	0	0	0	0		12	0.00	0	0	0	0	0		12	0.00	0	0	0	86	0	
	12	0.02	0	0	0	0	0		13	0.01	0	0	0	0	0		13	0.00	0	0	0	80	0	
	13	0.03	0	0	0	0	0		14	0.01	0	0	0	0	0		14	0.00	0	0	0	80	0	
	14	0.02	0	0	0	0	0		15	0.00	0	0	0	0	0		15	0.00	0	0	0	86	0	
	15	0.00	0	0	0	0	0		16	0.01	0	0	0	0	0		16	0.00	0	0	0	80	0	
	16	0.01	0	0	0	0	0		17	0.00	0	0	0	0	0		17	0.00	0	0	0	74	0	
	17	0.00	0	0	0	0	0		18	0.01	0	0	0	0	0		18	0.00	0	0	0	58	0	
	18	0.00	0	0	0	0	0		19	0.01	0	0	0	0	0		19	0.00	0	0	0	38	0	
	19	0.06	0	0	0	0	0		20	0.02	0	0	0	0	0		20	0.00	0	0	0	33	0	
	20	0.00	0	0	0	0	0		21	0.06	0	0	0	0	-1		21	0.00	0	0	0	29	0	
	21	0.00	0	0	0	0	0		22	0.09	0	0	0	0	-1		22	0.00	0	0	0	29	0	
	22	0.00	0	0	0	0	0		23	0.06	0	0	0	29	-1		23	0.02	0	0	0	33	0	
	23	0.00	0	0	0	0	0																	

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HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1
							----- (CUBIC FEET/HR) -----																
OCT 27	0	0.05	0	0	0	29	0	OCT 29	0	0.00	0	0	0	199	0	OCT 31	0	0.01	0	0	0	1646	0
	1	0.07	0	0	4	47	0		1	0.00	0	0	0	176	0		1	0.01	0	0	0	1328	0
	2	0.07	0	0	27	86	0		2	0.00	0	0	0	161	0		2	0.02	0	0	0	1185	0
	3	0.02	0	0	0	86	0		3	0.00	0	0	0	154	0		3	0.00	0	0	0	1143	0
	4	0.05	0	0	53	118	0		4	0.00	0	0	0	154	0		4	0.00	0	0	0	1033	0
	5	0.00	0	0	0	232	0		5	0.00	0	0	0	154	0		5	0.00	0	0	0	1007	0
	6	0.00	0	0	0	284	0		6	0.00	0	0	0	154	0		6	0.00	0	0	0	656	0
	7	0.00	0	0	0	320	0		7	0.01	0	0	0	154	0		7	0.00	0	0	0	656	0
	8	0.00	0	0	0	329	0		8	0.00	0	0	0	154	0		8	0.00	0	0	0	656	0
	9	0.00	0	0	0	275	0		9	0.00	0	0	0	154	0		9	0.00	0	0	0	621	0
	10	0.00	0	0	0	232	0		10	0.00	0	0	0	154	0		10	0.00	0	0	0	554	0
	11	0.00	0	0	0	232	0		11	0.00	0	0	0	154	0		11	0.00	0	0	0	543	0
	12	0.00	0	0	0	192	0		12	0.01	0	0	0	154	0		12	0.00	0	0	0	532	0
	13	0.00	0	0	0	154	0		13	0.00	0	0	0	154	0		13	0.00	0	0	0	532	0
	14	0.00	0	0	0	154	0		14	0.00	0	0	0	154	0		14	0.00	0	0	0	543	0
	15	0.00	0	0	0	154	0		15	0.00	0	0	0	129	0		15	0.00	0	0	0	532	0
	16	0.00	0	0	0	154	0		16	0.00	0	0	0	86	0		16	0.00	0	0	0	500	0
	17	0.00	0	0	0	139	0		17	0.00	0	0	0	86	0		17	0.00	0	0	0	437	0
	18	0.00	0	0	0	118	0		18	0.00	0	0	0	80	0		18	0.00	0	0	0	427	0
	19	0.00	0	0	0	86	0		19	0.00	0	0	0	86	0		19	0.00	0	0	0	427	0
	20	0.00	0	0	0	86	0		20	0.00	0	0	0	86	0		20	0.00	0	0	0	397	0
	21	0.00	0	0	0	80	0		21	0.00	0	0	0	80	0		21	0.00	0	0	0	358	0
	22	0.00	0	0	0	86	0		22	0.00	0	0	0	86	0		22	0.00	0	0	0	329	0
	23	0.00	0	0	0	86	0		23	0.00	0	0	0	86	0		23	0.00	0	0	0	329	0
OCT 28	0	0.00	0	0	0	86	0	OCT 30	0	0.00	0	0	0	80	0	NOV 1	0	0.00	0	0	0	320	0
	1	0.18	0	0	929	86	0		1	0.01	0	0	0	86	0		1	0.00	0	0	0	329	0
	2	0.06	0	0	601	69	11		2	0.06	0	0	0	93	0		2	0.00	0	0	0	320	0
	3	0.10	0	0	556	240	12		3	0.09	0	0	52	154	0		3	0.00	0	0	0	320	0
	4	0.03	0	0	256	813	20		4	0.02	0	0	0	154	0		4	0.00	0	0	0	311	0
	5	0.00	0	0	0	1033	12		5	0.00	0	0	0	216	0		5	0.00	0	0	0	293	0
	6	0.00	0	0	0	1115	11		6	0.02	0	0	0	417	0		6	0.00	0	0	0	257	0
	7	0.00	0	0	0	838	10		7	0.02	0	0	0	427	0		7	0.00	0	0	0	249	0
	8	0.00	0	0	0	633	10		8	0.00	0	0	0	417	0		8	0.00	0	0	0	249	0
	9	0.00	0	0	0	543	7		9	0.02	0	0	0	377	0		9	0.00	0	0	0	240	1
	10	0.00	0	0	0	521	2		10	0.00	0	0	0	348	0		10	0.00	0	0	0	232	0
	11	0.00	0	0	0	437	0		11	0.00	0	0	0	358	0		11	0.00	0	0	0	232	0
	12	0.00	0	0	0	427	0		12	0.00	0	0	0	348	0		12	0.00	0	0	0	240	0
	13	0.00	0	0	0	397	0		13	0.00	0	0	0	339	0		13	0.00	0	0	0	240	0
	14	0.00	0	0	0	358	0		14	0.00	0	0	0	320	0		14	0.00	0	0	0	240	0
	15	0.00	0	0	0	348	0		15	0.01	0	0	0	329	0		15	0.00	0	0	0	240	0
	16	0.00	0	0	0	329	0		16	0.01	0	0	0	329	0		16	0.00	0	0	0	240	0
	17	0.00	0	0	0	320	0		17	0.01	0	0	0	311	0		17	0.00	0	0	0	240	0
	18	0.00	0	0	0	329	0		18	0.02	0	0	0	311	0		18	0.00	0	0	0	240	0
	19	0.00	0	0	0	249	0		19	0.01	0	0	0	320	0		19	0.00	0	0	0	240	0
	20	0.00	0	0	0	240	0		20	0.04	0	0	0	358	0		20	0.00	0	0	0	240	0
	21	0.00	0	0	0	232	0		21	0.04	0	0	0	489	0		21	0.00	0	0	0	240	0
	22	0.00	0	0	0	232	0		22	0.17	0	0	709	644	0		22	0.00	0	0	0	240	0
	23	0.00	0	0	0	240	0		23	0.04	0	0	115	1270	0		23	0.00	0	0	0	240	0

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

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DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1			
----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----												
NOV	2	0	0.00	0	0	0	240	0	NOV	4	0	0.02	0	0	0	367	0	NOV	6	0	0.00	0	0	0	599	0
		1	0.00	0	0	0	240	0			1	0.00	0	0	0	329	0			1	0.00	0	0	0	587	0
		2	0.00	0	0	0	240	0			2	0.00	0	0	0	329	0			2	0.00	0	0	0	565	0
		3	0.00	0	0	0	240	0			3	0.00	0	0	0	320	0			3	0.00	0	0	0	565	0
		4	0.00	0	0	0	240	0			4	0.00	0	0	0	329	0			4	0.00	0	0	0	543	0
		5	0.00	0	0	0	240	0			5	0.00	0	0	0	329	0			5	0.00	0	0	0	543	0
		6	0.00	0	0	0	240	0			6	0.01	0	0	0	320	0			6	0.00	0	0	0	543	0
		7	0.00	0	0	0	240	0			7	0.05	0	0	0	329	0			7	0.00	0	0	0	532	0
		8	0.00	0	0	0	240	0			8	0.00	0	0	0	329	0			8	0.00	0	0	0	532	0
		9	0.00	0	0	0	240	0			9	0.03	0	0	76	417	0			9	0.00	0	0	0	543	0
		10	0.00	0	0	0	240	0			10	0.04	0	0	0	543	0			10	0.00	0	0	0	532	0
		11	0.00	0	0	0	240	0			11	0.00	0	0	0	576	0			11	0.00	0	0	0	468	0
		12	0.00	0	0	0	240	0			12	0.03	0	0	0	656	0			12	0.00	0	0	0	427	0
		13	0.00	0	0	0	240	0			13	0.00	0	0	0	656	0			13	0.00	0	0	0	427	0
		14	0.00	0	0	0	240	0			14	0.01	0	0	0	644	0			14	0.00	0	0	0	427	0
		15	0.00	0	0	0	240	0			15	0.04	0	0	0	850	0			15	0.00	0	0	0	427	0
		16	0.00	0	0	0	240	0			16	0.00	0	0	0	940	0			16	0.00	0	0	0	407	0
		17	0.00	0	0	0	240	0			17	0.04	0	0	0	993	0			17	0.00	0	0	0	377	0
		18	0.01	0	0	0	240	0			18	0.01	0	0	0	1033	0			18	0.00	0	0	0	329	0
		19	0.01	0	0	0	240	0			19	0.00	0	0	0	1047	0			19	0.00	0	0	0	329	0
		20	0.02	0	0	0	240	0			20	0.00	0	0	0	1074	0			20	0.00	0	0	0	320	0
		21	0.00	0	0	0	240	0			21	0.01	0	0	0	1033	0			21	0.00	0	0	0	329	0
		22	0.00	0	0	0	240	0			22	0.00	0	0	0	1020	0			22	0.00	0	0	0	329	0
		23	0.00	0	0	0	240	0			23	0.03	0	0	0	993	0			23	0.00	0	0	0	329	0
NOV	3	0	0.00	0	0	0	240	0	NOV	5	0	0.00	0	0	0	967	0	NOV	7	0	0.00	0	0	0	329	0
		1	0.00	0	0	0	240	0			1	0.02	0	0	0	1020	0			1	0.00	0	0	0	329	0
		2	0.00	0	0	0	240	0			2	0.00	0	0	0	1047	0			2	0.00	0	0	0	329	0
		3	0.00	0	0	0	240	0			3	0.00	0	0	0	1047	0			3	0.00	0	0	0	329	0
		4	0.00	0	0	0	240	0			4	0.00	0	0	0	1033	0			4	0.00	0	0	0	329	0
		5	0.00	0	0	0	240	0			5	0.00	0	0	0	980	0			5	0.00	0	0	0	329	0
		6	0.00	0	0	0	240	0			6	0.00	0	0	0	927	0			6	0.00	0	0	0	329	0
		7	0.00	0	0	0	240	0			7	0.00	0	0	0	825	0			7	0.00	0	0	0	329	0
		8	0.00	0	0	0	240	0			8	0.00	0	0	0	691	0			8	0.00	0	0	0	329	0
		9	0.00	0	0	0	240	0			9	0.00	0	0	0	644	0			9	0.00	0	0	0	329	0
		10	0.00	0	0	0	207	0			10	0.00	0	0	0	656	0			10	0.00	0	0	0	329	0
		11	0.00	0	0	0	216	0			11	0.00	0	0	0	656	0			11	0.00	0	0	0	329	0
		12	0.00	0	0	0	224	0			12	0.00	0	0	0	656	0			12	0.00	0	0	0	329	0
		13	0.00	0	0	0	207	0			13	0.00	0	0	0	644	0			13	0.00	0	0	0	329	0
		14	0.00	0	0	0	207	0			14	0.00	0	0	0	656	0			14	0.00	0	0	0	329	0
		15	0.00	0	0	0	115	0			15	0.00	0	0	0	656	0			15	0.00	0	0	0	329	0
		16	0.00	0	0	0	108	0			16	0.00	0	0	0	656	0			16	0.00	0	0	0	329	0
		17	0.00	0	0	0	154	0			17	0.00	0	0	0	644	0			17	0.00	0	0	0	302	0
		18	0.07	0	0	0	154	0			18	0.00	0	0	0	644	0			18	0.00	0	0	0	249	0
		19	0.03	0	0	0	154	0			19	0.00	0	0	0	656	0			19	0.00	0	0	0	240	0
		20	0.01	0	0	0	176	0			20	0.00	0	0	0	644	0			20	0.00	0	0	0	240	0
		21	0.00	0	0	0	216	0			21	0.00	0	0	0	656	0			21	0.00	0	0	0	240	0
		22	0.02	0	0	0	311	0			22	0.00	0	0	0	644	0			22	0.00	0	0	0	240	0
		23	0.02	0	0	0	407	0			23	0.00	0	0	0	621	0			23	0.00	0	0	0	240	0



HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	Elf1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	Elf1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	Elf1	E4F1	E4F2	E3C1	E4V1				
							----- (CUBIC FEET/HR) -----														----- (CUBIC FEET/HR) -----						
NOV	8	0	0.00	0	0	0	240	0	NOV	10	0	0.00	0	0	0	146	0	NOV	12	0	0.00	0	0	0	132	0	
		1	0.00	0	0	0	240	0			1	0.00	0	0	0	146	0			1	0.00	0	0	0	132	0	
		2	0.00	0	0	0	240	0			2	0.00	0	0	0	146	0			2	0.00	0	0	0	132	0	
		3	0.00	0	0	0	240	0			3	0.00	0	0	0	146	0			3	0.00	0	0	0	129	0	
		4	0.00	0	0	0	240	0			4	0.00	0	0	0	146	0			4	0.00	0	0	0	125	0	
		5	0.00	0	0	0	240	0			5	0.00	0	0	0	146	0			5	0.00	0	0	0	126	0	
		6	0.00	0	0	0	240	0			6	0.00	0	0	0	146	0			6	0.00	0	0	0	126	0	
		7	0.00	0	0	0	240	0			7	0.00	0	0	0	146	0			7	0.00	0	0	0	125	0	
		8	0.00	0	0	0	240	0			8	0.00	0	0	0	146	0			8	0.00	0	0	0	122	0	
		9	0.00	0	0	0	240	0			9	0.00	0	0	0	146	0			9	0.00	0	0	0	119	0	
		10	0.00	0	0	0	240	0			10	0.00	0	0	0	146	0			10	0.00	0	0	0	118	0	
		11	0.00	0	0	0	240	0			11	0.00	0	0	0	146	0			11	0.00	0	0	0	118	0	
		12	0.00	0	0	0	240	0			12	0.00	0	0	0	146	0			12	0.00	0	0	0	118	0	
		13	0.00	0	0	0	240	0			13	0.00	0	0	0	146	0			13	0.00	0	0	0	118	0	
		14	0.00	0	0	0	240	0			14	0.00	0	0	0	146	0			14	0.00	0	0	0	118	0	
		15	0.00	0	0	0	240	0			15	0.00	0	0	0	146	0			15	0.00	0	0	0	118	0	
		16	0.00	0	0	0	240	0			16	0.00	0	0	0	146	0			16	0.00	0	0	0	118	0	
		17	0.00	0	0	0	240	0			17	0.00	0	0	0	146	0			17	0.00	0	0	0	118	0	
		18	0.00	0	0	0	240	0			18	0.00	0	0	0	146	0			18	0.00	0	0	0	118	0	
		19	0.00	0	0	0	240	0			19	0.00	0	0	0	146	0			19	0.00	0	0	0	118	0	
		20	0.00	0	0	0	216	0			20	0.00	0	0	0	146	0			20	0.00	0	0	0	118	0	
		21	0.00	0	0	0	199	0			21	0.00	0	0	0	146	0			21	0.00	0	0	0	105	0	
		22	0.00	0	0	0	184	0			22	0.00	0	0	0	146	0			22	0.00	0	0	0	105	0	
		23	0.00	0	0	0	161	0			23	0.00	0	0	0	146	0			23	0.00	0	0	0	99	0	
NOV	9	0	0.00	0	0	0	161	0	NOV	11	0	0.00	0	0	0	146	0	NOV	13	0	0.00	0	0	0	86	0	
		1	0.00	0	0	0	161	0			1	0.00	0	0	0	146	0			1	0.00	0	0	0	86	0	
		2	0.00	0	0	0	146	0			2	0.00	0	0	0	146	0			2	0.00	0	0	0	86	0	
		3	0.00	0	0	0	146	0			3	0.00	0	0	0	146	0			3	0.00	0	0	0	80	0	
		4	0.00	0	0	0	146	0			4	0.00	0	0	0	146	0			4	0.00	0	0	0	86	0	
		5	0.00	0	0	0	146	0			5	0.00	0	0	0	146	0			5	0.00	0	0	0	86	0	
		6	0.00	0	0	0	146	0			6	0.00	0	0	0	146	0			6	0.00	0	0	0	80	0	
		7	0.00	0	0	0	146	0			7	0.00	0	0	0	146	0			7	0.00	0	0	0	86	0	
		8	0.00	0	0	0	146	0			8	0.00	0	0	0	146	0			8	0.00	0	0	0	86	0	
		9	0.00	0	0	0	146	0			9	0.00	0	0	0	146	0			9	0.00	0	0	0	80	0	
		10	0.00	0	0	0	146	0			10	0.00	0	0	0	146	0			10	0.00	0	0	0	86	0	
		11	0.00	0	0	0	146	0			11	0.00	0	0	0	146	0			11	0.00	0	0	0	86	0	
		12	0.00	0	0	0	146	0			12	0.00	0	0	0	146	0			12	0.00	0	0	0	80	0	
		13	0.00	0	0	0	146	0			13	0.00	0	0	0	146	0			13	0.00	0	0	0	80	0	
		14	0.00	0	0	0	146	0			14	0.00	0	0	0	146	0			14	0.00	0	0	0	80	0	
		15	0.00	0	0	0	146	0			15	0.00	0	0	0	146	0			15	0.00	0	0	0	80	0	
		16	0.00	0	0	0	146	0			16	0.00	0	0	0	146	0			16	0.00	0	0	0	80	0	
		17	0.00	0	0	0	146	0			17	0.00	0	0	0	146	0			17	0.00	0	0	0	80	0	
		18	0.00	0	0	0	146	0			18	0.00	0	0	0	146	0			18	0.00	0	0	0	80	0	
		19	0.00	0	0	0	146	0			19	0.00	0	0	0	146	0			19	0.00	0	0	0	80	0	
		20	0.00	0	0	0	146	0			20	0.00	0	0	0	146	0			20	0.00	0	0	0	80	0	
		21	0.00	0	0	0	146	0			21	0.00	0	0	0	154	0			21	0.00	0	0	0	80	0	
		22	0.00	0	0	0	146	0			22	0.00	0	0	0	139	0			22	0.00	0	0	0	80	0	
		23	0.00	0	0	0	146	0			23	0.00	0	0	0	135	0			23	0.00	0	0	0	80	0	

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1
----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----									
NOV 14	0	0.00	0	0	0	80	0	NOV 16	0	0.01	0	0	0	80	0	NOV 18	0	0.01	0	0	0	339	0
	1	0.00	0	0	0	80	0		1	0.01	0	0	0	13	0		1	0.00	0	0	0	340	0
	2	0.00	0	0	0	80	0		2	0.01	0	0	0	13	0		2	0.05	0	0	0	348	0
	3	0.00	0	0	0	80	0		3	0.03	0	0	0	132	0		3	0.01	0	0	12	348	0
	4	0.00	0	0	0	80	0		4	0.01	0	0	0	154	0		4	0.02	0	0	0	532	0
	5	0.00	0	0	0	80	0		5	0.00	0	0	0	154	0		5	0.10	0	0	386	621	0
	6	0.00	0	0	0	80	0		6	0.01	0	0	0	161	0		6	0.05	0	0	368	825	0
	7	0.00	0	0	0	80	0		7	0.01	0	0	0	168	0		7	0.02	0	0	0	1270	0
	8	0.00	0	0	0	80	0		8	0.00	0	0	0	216	0		8	0.07	0	0	358	1614	0
	9	0.00	0	0	0	80	0		9	0.00	0	0	0	207	0		9	0.00	0	0	5	1285	0
	10	0.00	0	0	0	80	0		10	0.00	0	0	0	176	0		10	0.00	0	0	0	1537	0
	11	0.00	0	0	0	80	0		11	0.00	0	0	0	232	0		11	0.00	0	0	0	1185	0
	12	0.00	0	0	0	80	0		12	0.00	0	0	0	240	0		12	0.00	0	0	0	1074	0
	13	0.00	0	0	0	80	0		13	0.00	0	0	0	232	0		13	0.00	0	0	0	1047	0
	14	0.00	0	0	0	80	0		14	0.00	0	0	0	232	0		14	0.00	0	0	0	1157	0
	15	0.00	0	0	0	80	0		15	0.00	0	0	0	232	0		15	0.00	0	0	0	1047	0
	16	0.00	0	0	0	80	0		16	0.00	0	0	0	240	0		16	0.01	0	0	0	715	0
	17	0.00	0	0	0	80	0		17	0.00	0	0	0	232	0		17	0.03	0	0	0	656	0
	18	0.00	0	0	0	80	0		18	0.00	0	0	0	207	0		18	0.08	0	0	271	679	0
	19	0.00	0	0	0	80	0		19	0.00	0	0	0	176	0		19	0.16	0	0	2370	1285	28
	20	0.00	0	0	0	80	0		20	0.00	0	0	0	161	0		20	0.00	0	0	176	2942	36
	21	0.00	0	0	0	80	0		21	0.00	0	0	0	154	0		21	0.00	0	0	0	3644	17
	22	0.00	0	0	0	80	0		22	0.00	0	0	0	154	0		22	0.00	0	0	0	2448	18
	23	0.00	0	0	0	80	0		23	0.01	0	0	0	154	0		23	0.00	0	0	0	1918	15
NOV 15	0	0.00	0	0	0	80	0	NOV 17	0	0.02	0	0	0	154	0	NOV 19	0	0.00	0	0	0	1661	16
	1	0.00	0	0	0	86	0		1	0.01	0	0	0	154	0		1	0.00	0	0	0	1646	18
	2	0.00	0	0	0	69	0		2	0.01	0	0	0	192	0		2	0.00	0	0	0	1357	18
	3	0.00	0	0	0	58	0		3	0.00	0	0	0	232	0		3	0.00	0	0	0	1185	17
	4	0.00	0	0	0	63	0		4	0.00	0	0	0	232	0		4	0.00	0	0	0	1185	18
	5	0.00	0	0	0	58	0		5	0.00	0	0	0	240	0		5	0.00	0	0	0	1171	15
	6	0.00	0	0	0	38	0		6	0.00	0	0	0	232	0		6	0.00	0	0	0	1074	17
	7	0.00	0	0	0	42	0		7	0.00	0	0	0	240	0		7	0.00	0	0	0	1047	18
	8	0.00	0	0	0	38	0		8	0.00	0	0	0	207	0		8	0.00	0	0	0	1047	18
	9	0.00	0	0	0	33	0		9	0.00	0	0	0	168	0		9	0.00	0	0	0	1047	16
	10	0.00	0	0	0	42	0		10	0.00	0	0	0	161	0		10	0.00	0	0	0	1033	18
	11	0.00	0	0	0	58	0		11	0.00	0	0	0	168	0		11	0.00	0	0	0	1047	18
	12	0.00	0	0	0	63	0		12	0.05	0	0	0	168	0		12	0.00	0	0	0	1047	17
	13	0.00	0	0	0	80	0		13	0.07	0	0	0	232	0		13	0.00	0	0	0	1020	17
	14	0.00	0	0	0	80	0		14	0.00	0	0	0	257	0		14	0.00	0	0	0	1033	18
	15	0.00	0	0	0	86	0		15	0.01	0	0	0	377	0		15	0.00	0	0	0	1033	18
	16	0.00	0	0	0	86	0		16	0.00	0	0	0	543	0		16	0.00	0	0	0	1033	17
	17	0.00	0	0	0	80	0		17	0.00	0	0	0	489	0		17	0.00	0	0	0	1047	18
	18	0.00	0	0	0	86	0		18	0.00	0	0	0	427	0		18	0.00	0	0	0	940	18
	19	0.02	0	0	0	86	0		19	0.00	0	0	0	367	0		19	0.00	0	0	0	751	17
	20	0.01	0	0	0	80	0		20	0.00	0	0	0	320	0		20	0.00	0	0	0	668	18
	21	0.00	0	0	0	80	0		21	0.00	0	0	0	329	0		21	0.00	0	0	0	656	18
	22	0.00	0	0	0	80	0		22	0.06	0	0	42	329	0		22	0.00	0	0	0	656	9
	23	0.03	0	0	0	80	0		23	0.01	0	0	0	377	0		23	0.00	0	0	0	644	18

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
NOV 20	0	0.00	0	0	0	656	18	NOV 22	0	0.00	0	0	0	532	18	NOV 24	0	0.06	0	0	1765	4258	209
	1	0.00	0	0	0	656	17		1	0.00	0	0	0	541	18		1	0.06	0	0	2863	8609	207
	2	0.00	0	0	0	668	18		2	0.01	0	0	0	534	18		2	0.05	0	0	1753	14097	200
	3	0.00	0	0	0	668	18		3	0.00	0	0	0	532	18		3	0.06	0	0	1107	19317	204
	4	0.00	0	0	0	668	18		4	0.01	0	0	0	532	18		4	0.03	0	0	1071	19409	201
	5	0.00	0	0	0	668	18		5	0.04	0	0	0	552	18		5	0.00	0	0	449	17571	194
	6	0.00	0	0	0	668	18		6	0.03	0	0	0	572	18		6	0.00	0	0	279	14487	180
	7	0.00	0	0	0	668	18		7	0.02	0	0	0	652	18		7	0.00	0	0	213	11944	176
	8	0.00	0	0	0	668	18		8	0.06	0	0	101	880	18		8	0.00	0	0	190	9919	172
	9	0.00	0	0	0	668	18		9	0.06	0	0	308	1117	18		9	0.00	0	0	191	8288	158
	10	0.00	0	0	0	668	18		10	0.02	0	0	104	1586	18		10	0.02	0	0	210	7134	159
	11	0.00	0	0	0	668	18		11	0.04	0	0	74	1751	18		11	0.00	0	0	187	5845	155
	12	0.00	0	0	0	668	18		12	0.11	0	0	692	1829	16		12	0.00	0	0	152	5916	143
	13	0.00	0	0	0	668	18		13	0.03	0	0	1282	2588	82		13	0.00	0	0	131	5261	174
	14	0.00	0	0	0	668	18		14	0.01	0	0	199	3604	88		14	0.00	0	0	115	4736	176
	15	0.00	0	0	0	668	18		15	0.08	0	0	942	3180	100		15	0.00	0	0	114	4240	159
	16	0.00	0	0	0	668	18		16	0.04	0	0	437	3868	121		16	0.00	0	0	115	3803	147
	17	0.00	0	0	0	599	18		17	0.01	0	0	666	4411	123		17	0.00	0	0	114	3468	154
	18	0.00	0	0	0	554	18		18	0.03	0	0	499	4465	125		18	0.00	0	0	114	3277	156
	19	0.00	0	0	0	532	18		19	0.01	0	0	191	3026	123		19	0.00	0	0	115	3110	156
	20	0.00	0	0	0	532	18		20	0.00	0	0	97	2196	123		20	0.04	0	0	114	2955	151
	21	0.00	0	0	0	532	18		21	0.00	0	0	76	3136	120		21	0.00	0	0	368	2936	138
	22	0.00	0	0	0	532	18		22	0.00	0	0	76	2631	107		22	0.01	0	0	207	3271	138
	23	0.00	0	0	0	532	18		23	0.00	0	0	54	2325	105		23	0.02	0	0	201	3352	138
NOV 21	0	0.00	0	0	0	532	18	NOV 23	0	0.00	0	0	38	2079	105	NOV 25	0	0.01	0	0	223	3395	138
	1	0.00	0	0	0	532	18		1	0.00	0	0	38	1831	106		1	0.00	0	0	166	3395	138
	2	0.00	0	0	0	532	18		2	0.00	0	0	38	1804	106		2	0.00	0	0	153	3222	138
	3	0.00	0	0	0	532	18		3	0.00	0	0	38	1764	95		3	0.00	0	0	152	3100	138
	4	0.00	0	0	0	532	18		4	0.00	0	0	38	1682	88		4	0.00	0	0	153	2955	138
	5	0.00	0	0	0	532	18		5	0.00	0	0	38	1648	90		5	0.01	0	0	152	2858	128
	6	0.00	0	0	0	532	18		6	0.00	0	0	38	1646	90		6	0.00	0	0	153	2780	124
	7	0.00	0	0	0	532	18		7	0.06	0	0	100	1659	91		7	0.00	0	0	146	2707	126
	8	0.00	0	0	0	532	18		8	0.08	0	0	1718	2001	132		8	0.00	0	0	123	2509	126
	9	0.00	0	0	0	532	18		9	0.00	0	0	387	3886	124		9	0.00	0	0	114	2339	126
	10	0.00	0	0	0	532	18		10	0.00	0	0	135	3920	125		10	0.01	0	0	114	2433	126
	11	0.00	0	0	0	532	18		11	0.00	0	0	552	3129	126		11	0.02	0	0	136	2413	126
	12	0.00	0	0	0	532	18		12	0.00	0	0	229	3294	124		12	0.03	0	0	265	2570	126
	13	0.00	0	0	0	532	18		13	0.00	0	0	105	3222	109		13	0.05	0	0	442	3100	126
	14	0.00	0	0	0	532	18		14	0.00	0	0	87	2790	107		14	0.04	0	0	592	3834	141
	15	0.00	0	0	0	532	18		15	0.00	0	0	77	2395	108		15	0.03	0	0	643	4777	144
	16	0.00	0	0	0	532	18		16	0.00	0	0	76	2212	108		16	0.01	0	0	442	5566	144
	17	0.00	0	0	0	532	18		17	0.00	0	0	76	2048	108		17	0.00	0	0	259	5470	144
	18	0.00	0	0	0	532	18		18	0.00	0	0	76	1896	108		18	0.00	0	0	202	4835	144
	19	0.00	0	0	0	532	18		19	0.00	0	0	77	1823	107		19	0.00	0	0	188	4325	144
	20	0.00	0	0	0	532	18		20	0.04	0	0	83	1820	105		20	0.00	0	0	152	3941	144
	21	0.00	0	0	0	532	18		21	0.00	0	0	295	1875	106		21	0.00	0	0	153	3607	135
	22	0.00	0	0	0	532	18		22	0.01	0	0	212	2278	124		22	0.00	0	0	152	3330	135
	23	0.00	0	0	0	532	18		23	0.02	0	0	746	2722	170		23	0.00	0	0	153	3110	130

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
NOV 26	0	0.00	0	0	152	2974	125	NOV 28	0	0.00	0	0	38	1185	34	NOV 30	0	0.00	0	0	38	875	34
	1	0.00	0	0	139	2805	122		1	0.00	0	0	38	1185	34		1	0.00	0	0	38	872	34
	2	0.01	0	0	133	2640	120		2	0.00	0	0	38	1185	34		2	0.00	0	0	38	910	34
	3	0.00	0	0	153	1033	120		3	0.00	0	0	38	1185	34		3	0.00	0	0	38	836	34
	4	0.00	0	0	152	2383	111		4	0.00	0	0	38	1185	34		4	0.00	0	0	38	809	34
	5	0.01	0	0	139	2442	100		5	0.00	0	0	38	1185	34		5	0.01	0	0	38	772	34
	6	0.01	0	0	153	2380	86		6	0.00	0	0	38	1185	34		6	0.00	0	0	38	717	34
	7	0.02	0	0	170	2374	77		7	0.00	0	0	38	1185	34		7	0.00	0	0	20	761	34
	8	0.00	0	0	160	2457	71		8	0.00	0	0	38	1159	34		8	0.00	0	0	0	717	34
	9	0.00	0	0	145	2472	58		9	0.00	0	0	38	1157	34		9	0.00	0	0	0	715	34
	10	0.00	0	0	114	2401	47		10	0.00	0	0	38	1157	34		10	0.00	0	0	0	691	34
	11	0.00	0	0	114	2331	59		11	0.00	0	0	38	1182	34		11	0.00	0	0	0	747	34
	12	0.00	0	0	114	2104	46		12	0.00	0	0	38	1185	34		12	0.00	0	0	0	778	34
	13	0.00	0	0	114	2051	42		13	0.00	0	0	38	1185	34		13	0.00	0	0	0	772	34
	14	0.00	0	0	114	1902	54		14	0.00	0	0	38	1185	34		14	0.00	0	0	0	821	34
	15	0.00	0	0	114	1826	54		15	0.00	0	0	38	1122	34		15	0.00	0	0	0	772	34
	16	0.00	0	0	176	1818	46		16	0.00	0	0	38	1104	34		16	0.00	0	0	0	705	34
	17	0.00	0	0	76	1804	36		17	0.00	0	0	38	1060	34		17	0.00	0	0	0	662	34
	18	0.00	0	0	76	1807	36		18	0.00	0	0	38	1049	34		18	0.00	0	0	0	644	34
	19	0.00	0	0	76	1759	36		19	0.00	0	0	38	1047	34		19	0.00	0	0	0	644	34
	20	0.00	0	0	76	1743	36		20	0.00	0	0	38	1047	34		20	0.00	0	0	0	644	34
	21	0.00	0	0	76	1667	36		21	0.00	0	0	38	1047	34		21	0.00	0	0	0	644	34
	22	0.00	0	0	76	1661	36		22	0.00	0	0	38	1047	34		22	0.00	0	0	0	644	34
	23	0.00	0	0	76	1646	36		23	0.00	0	0	38	1047	34		23	0.00	0	0	0	644	34
NOV 27	0	0.00	0	0	76	1646	36	NOV 29	0	0.00	0	0	38	1047	34	DEC 1	0	0.00	0	0	0	644	34
	1	0.00	0	0	76	1646	36		1	0.00	0	0	38	1047	34		1	0.00	0	0	0	644	34
	2	0.00	0	0	76	1648	36		2	0.00	0	0	38	1047	34		2	0.00	0	0	0	644	34
	3	0.00	0	0	76	1659	36		3	0.00	0	0	38	1047	34		3	0.00	0	0	0	644	34
	4	0.00	0	0	76	1646	36		4	0.01	0	0	38	1047	34		4	0.00	0	0	0	644	34
	5	0.00	0	0	76	1646	36		5	0.00	0	0	38	1047	34		5	0.00	0	0	0	644	34
	6	0.00	0	0	76	1646	36		6	0.00	0	0	38	1047	34		6	0.00	0	0	1	644	34
	7	0.00	0	0	76	1646	36		7	0.00	0	0	38	1047	34		7	0.01	0	0	9	644	34
	8	0.00	0	0	76	1646	36		8	0.00	0	0	38	1047	34		8	0.02	0	0	38	644	34
	9	0.00	0	0	76	1617	36		9	0.00	0	0	38	1047	34		9	0.01	0	0	38	644	34
	10	0.00	0	0	76	1604	34		10	0.00	0	0	38	1047	34		10	0.01	0	0	38	895	34
	11	0.00	0	0	38	1581	34		11	0.00	0	0	38	1047	34		11	0.00	0	0	38	1056	34
	12	0.00	0	0	38	1614	34		12	0.00	0	0	38	1047	34		12	0.01	0	0	38	1049	34
	13	0.00	0	0	38	1568	34		13	0.00	0	0	38	1047	34		13	0.00	0	0	38	1058	34
	14	0.00	0	0	38	1530	34		14	0.00	0	0	38	1047	34		14	0.00	0	0	38	1049	34
	15	0.00	0	0	38	1452	34		15	0.00	0	0	38	1047	34		15	0.00	0	0	38	1060	34
	16	0.00	0	0	38	1387	34		16	0.00	0	0	38	1047	34		16	0.00	0	0	38	1060	34
	17	0.00	0	0	38	1258	34		17	0.00	0	0	38	1047	34		17	0.01	0	0	38	1033	34
	18	0.00	0	0	38	1204	34		18	0.00	0	0	38	1000	34		18	0.01	0	0	69	1095	34
	19	0.00	0	0	38	1197	34		19	0.00	0	0	38	933	34		19	0.01	0	0	70	1180	34
	20	0.00	0	0	38	1187	34		20	0.00	0	0	38	982	34		20	0.03	0	0	79	1185	34
	21	0.00	0	0	38	1185	34		21	0.00	0	0	38	956	34		21	0.05	0	0	132	1211	34
	22	0.00	0	0	38	1185	34		22	0.00	0	0	38	930	34		22	0.07	0	0	325	1591	34
	23	0.00	0	0	38	1185	34		23	0.00	0	0	38	853	34		23	0.14	0	0	1116	2059	34

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1			
DEC	2	0	0.21	0	214	2747	4343	33	DEC	4	0	0.00	0	0	38	614	66	DEC	6	0	0.00	0	0	114	3708	18
		1	0.17	0	152	8732	15949	76			1	0.03	0	0	49	569	53			1	0.00	0	0	114	3631	18
		2	0.07	0	0	998	39497	347			2	0.10	0	0	144	582	56			2	0.00	0	0	114	3567	18
		3	0.09	0	97	1947	40227	423			3	0.10	0	0	2002	982	135			3	0.00	0	0	114	3527	18
		4	0.08	0	160	2525	38462	465			4	0.07	0	0	1679	3658	211			4	0.00	0	0	114	3471	18
		5	0.07	0	110	2290	42645	475			5	0.08	0	0	1459	6066	239			5	0.00	0	0	114	3412	18
		6	0.04	0	25	1421	44829	371			6	0.08	4	0	1783	9738	280			6	0.00	0	0	114	3349	18
		7	0.01	0	0	875	42993	321			7	0.05	6	0	1396	14776	289			7	0.00	0	0	114	3294	18
		8	0.00	0	0	371	35586	300			8	0.02	5	0	1210	17023	297			8	0.00	0	0	114	3235	15
		9	0.00	0	0	255	24052	285			9	0.01	1	0	494	17249	270			9	0.00	0	0	114	3174	17
		10	0.00	0	0	225	18866	218			10	0.00	0	0	228	12018	245			10	0.00	0	0	114	3113	18
		11	0.00	0	0	225	15637	233			11	0.00	0	0	186	8340	145			11	0.00	0	0	114	3081	18
		12	0.00	0	0	196	11070	263			12	0.00	0	0	183	6385	58			12	0.00	0	0	114	3056	17
		13	0.00	0	0	189	6054	247			13	0.00	0	0	231	5110	53			13	0.00	0	0	114	3056	18
		14	0.00	0	0	176	5073	163			14	0.00	0	0	228	4111	47			14	0.00	0	0	114	3021	18
		15	0.00	0	0	154	3882	213			15	0.00	0	0	195	4034	35			15	0.00	0	0	114	2983	17
		16	0.02	0	0	153	2790	172			16	0.00	0	0	191	4011	35			16	0.00	0	0	114	2964	18
		17	0.04	0	0	200	2436	227			17	0.00	0	0	190	3952	35			17	0.00	0	0	114	2926	18
		18	0.03	0	0	515	2543	223			18	0.00	0	0	191	3921	23			18	0.00	0	0	114	2905	17
		19	0.03	0	0	383	3075	235			19	0.00	0	0	172	3868	18			19	0.00	0	0	114	2889	18
		20	0.03	0	0	467	3478	247			20	0.00	0	0	152	3868	17			20	0.00	0	0	114	2870	18
		21	0.03	0	0	570	4072	252			21	0.00	0	0	152	3868	18			21	0.00	0	0	114	2848	17
		22	0.04	0	0	511	4612	245			22	0.00	0	0	152	3868	18			22	0.00	0	0	114	2796	18
		23	0.02	0	0	799	5447	199			23	0.00	0	0	152	3868	17			23	0.00	0	0	114	2759	18
DEC	3	0	0.01	0	0	398	5295	194	DEC	5	0	0.00	0	0	152	3868	18	DEC	7	0	0.00	0	0	114	2688	17
		1	0.02	0	0	321	4784	176			1	0.00	0	0	152	3868	18			1	0.00	0	0	114	2667	18
		2	0.01	0	0	349	4382	177			2	0.00	0	0	152	3868	18			2	0.00	0	0	114	2649	18
		3	0.01	0	0	331	4097	175			3	0.00	0	0	152	3868	18			3	0.00	0	0	114	2591	17
		4	0.00	0	0	277	3797	165			4	0.00	0	0	152	3868	18			4	0.00	0	0	114	2543	18
		5	0.00	0	0	229	3362	159			5	0.00	0	0	152	3868	18			5	0.00	0	0	114	2522	17
		6	0.00	0	0	216	3005	144			6	0.00	0	0	152	3868	18			6	0.00	0	0	114	2516	17
		7	0.00	0	0	190	2643	106			7	0.00	0	0	152	3868	18			7	0.00	0	0	114	2505	18
		8	0.00	0	0	190	2296	105			8	0.00	0	0	152	3868	18			8	0.00	0	0	114	2469	17
		9	0.00	0	0	184	1935	99			9	0.00	0	0	152	3868	18			9	0.00	0	0	98	2451	17
		10	0.00	0	0	177	1751	90			10	0.00	0	0	152	3868	18			10	0.00	0	0	76	2430	16
		11	0.00	0	0	159	1651	88			11	0.00	0	0	152	3868	18			11	0.00	0	0	76	2427	16
		12	0.00	0	0	152	1620	88			12	0.00	0	0	152	3868	18			12	0.00	0	0	76	2451	16
		13	0.00	0	0	152	1299	80			13	0.00	0	0	152	3868	18			13	0.00	0	0	76	2481	16
		14	0.00	0	0	128	1187	90			14	0.00	0	0	152	3868	18			14	0.00	0	0	76	2448	16
		15	0.00	0	0	77	1145	90			15	0.00	0	0	142	3868	18			15	0.00	0	0	76	2433	16
		16	0.00	0	0	76	1056	90			16	0.00	0	0	116	3868	18			16	0.00	0	0	76	2383	16
		17	0.00	0	0	79	1047	90			17	0.00	0	0	150	3868	18			17	0.00	0	0	76	2345	16
		18	0.00	0	0	73	1047	90			18	0.00	0	0	136	4276	18			18	0.00	0	0	76	2325	16
		19	0.00	0	0	77	1013	82			19	0.00	0	0	114	4205	18			19	0.00	0	0	76	2325	16
		20	0.00	0	0	76	761	70			20	0.00	0	0	114	4083	18			20	0.00	0	0	76	2310	16
		21	0.00	0	0	71	660	70			21	0.00	0	0	114	3982	18			21	0.00	0	0	76	2276	16
		22	0.00	0	0	38	644	70			22	0.00	0	0	114	3896	18			22	0.00	0	0	76	2224	16
		23	0.00	0	0	38	644	70			23	0.00	0	0	114	3780	18			23	0.00	0	0	76	2172	16

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
DEC 8	0	0.00	0	0	76	2169	16	DEC 10	0	0.01	0	0	127	3193	16	DEC 12	0	0.00	0	0	36	1820	12
	1	0.00	0	0	76	2155	16		1	0.00	0	0	149	2895	16		1	0.02	0	0	36	1804	12
	2	0.00	0	0	76	2138	16		2	0.00	0	0	114	2830	16		2	0.03	0	0	82	1807	12
	3	0.00	0	0	76	2135	16		3	0.01	0	0	114	2740	16		3	0.01	0	0	273	1899	12
	4	0.00	0	0	76	2087	16		4	0.00	0	0	114	2740	16		4	0.00	0	0	137	2278	12
	5	0.00	0	0	76	2071	16		5	0.00	0	0	114	2688	16		5	0.01	0	0	110	2331	12
	6	0.00	0	0	76	2068	16		6	0.00	0	0	114	2661	16		6	0.01	0	0	112	2247	12
	7	0.00	0	0	76	2051	16		7	0.00	0	0	114	2734	16		7	0.00	0	0	78	2186	12
	8	0.00	0	0	76	2051	16		8	0.00	0	0	92	2704	16		8	0.00	0	0	76	2189	12
	9	0.00	0	0	76	2004	16		9	0.00	0	0	88	2567	16		9	0.00	0	0	77	2107	12
	10	0.00	0	0	76	2001	16		10	0.00	0	0	76	2537	16		10	0.00	0	0	76	2056	12
	11	0.00	0	0	76	1987	16		11	0.00	0	0	76	2505	16		11	0.00	0	0	47	2034	12
	12	0.00	0	0	76	2001	16		12	0.00	0	0	76	2454	16		12	0.00	0	0	45	1973	12
	13	0.00	0	0	76	1940	16		13	0.00	0	0	76	2398	16		13	0.00	0	0	36	1951	12
	14	0.00	0	0	76	1918	16		14	0.00	0	0	76	2380	11		14	0.00	0	0	36	1981	12
	15	0.00	0	0	76	1904	16		15	0.00	0	0	76	2345	18		15	0.00	0	0	36	1880	13
	16	0.00	0	0	76	1872	16		16	0.00	0	0	76	2310	17		16	0.00	0	0	36	1823	18
	17	0.00	0	0	76	1853	16		17	0.00	0	0	76	2276	17		17	0.00	0	0	36	1804	18
	18	0.00	0	0	76	1823	16		18	0.00	0	0	76	2209	18		18	0.00	0	0	36	1820	17
	19	0.00	0	0	76	1837	16		19	0.00	0	0	76	2155	17		19	0.00	0	0	36	1820	18
	20	0.00	0	0	76	1807	16		20	0.00	0	0	76	2138	17		20	0.00	0	0	36	1820	18
	21	0.00	0	0	76	1818	16		21	0.00	0	0	36	2118	18		21	0.00	0	0	36	1820	17
	22	0.00	0	0	76	1820	16		22	0.00	0	0	36	2054	17		22	0.00	0	0	36	1820	18
	23	0.00	0	0	76	1807	16		23	0.00	0	0	36	2040	17		23	0.00	0	0	36	1820	18
DEC 9	0	0.00	0	0	76	1818	16	DEC 11	0	0.00	0	0	36	1943	24	DEC 13	0	0.00	0	0	36	1820	17
	1	0.00	0	0	76	1804	16		1	0.00	0	0	36	1845	17		1	0.00	0	0	36	1820	18
	2	0.00	0	0	76	1807	16		2	0.00	0	0	36	1820	17		2	0.00	0	0	36	1820	18
	3	0.00	0	0	76	1802	16		3	0.00	0	0	36	1820	18		3	0.00	0	0	36	1820	17
	4	0.00	0	0	76	1804	16		4	0.00	0	0	36	1804	17		4	0.00	0	0	36	1820	18
	5	0.00	0	0	76	1820	16		5	0.00	0	0	36	1807	18		5	0.00	0	0	36	1820	17
	6	0.00	0	0	76	1804	16		6	0.00	0	0	36	1818	18		6	0.00	0	0	36	1820	17
	7	0.00	0	0	76	1807	16		7	0.00	0	0	36	1804	17		7	0.00	0	0	36	1820	18
	8	0.00	0	0	76	1818	16		8	0.00	0	0	36	1807	18		8	0.00	0	0	36	1820	17
	9	0.00	0	0	76	1804	16		9	0.00	0	0	36	1818	18		9	0.00	0	0	36	1791	17
	10	0.00	0	0	76	1807	16		10	0.00	0	0	36	1804	17		10	0.00	0	0	36	1788	19
	11	0.00	0	0	76	1818	16		11	0.00	0	0	36	1820	17		11	0.00	0	0	36	1788	18
	12	0.00	0	0	76	1804	16		12	0.00	0	0	36	1804	12		12	0.00	0	0	36	1788	17
	13	0.00	0	0	76	1820	16		13	0.00	0	0	36	1820	12		13	0.00	0	0	36	1788	18
	14	0.03	0	0	76	1804	16		14	0.00	0	0	36	1834	12		14	0.00	0	0	36	1788	18
	15	0.06	0	0	225	1948	16		15	0.00	0	0	36	1823	12		15	0.00	0	0	36	1788	17
	16	0.03	0	0	898	2472	16		16	0.00	0	0	36	1820	12		16	0.00	0	0	36	1788	18
	17	0.03	0	0	370	3834	16		17	0.00	0	0	36	1804	12		17	0.00	0	0	36	1788	17
	18	0.01	2	0	414	3985	16		18	0.00	0	0	36	1807	12		18	0.00	0	0	36	1788	17
	19	0.00	0	0	238	4107	16		19	0.00	0	0	36	1818	12		19	0.00	0	0	36	1788	17
	20	0.00	0	0	147	3661	16		20	0.00	0	0	36	1804	12		20	0.00	0	0	36	1788	16
	21	0.02	0	0	115	3132	16		21	0.00	0	0	36	1807	12		21	0.00	0	0	36	1788	14
	22	0.02	0	0	183	2827	16		22	0.00	0	0	36	1818	12		22	0.00	0	0	36	1788	15
	23	0.01	0	0	234	2967	16		23	0.00	0	0	36	1804	12		23	0.00	0	0	36	1788	15

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	ELF1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	ELF1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	ELF1	E4F1	E4F2	E3C1	E4V1				
							----- (CUBIC FEET/HR) -----														----- (CUBIC FEET/HR) -----						
DEC 14	0	0.00	0	0	36	1788	15	DEC 16	0	0.00	0	0	0	1020	15	DEC 18	0	0.02	0	0	690	32240	193				
	1	0.00	0	0	36	1788	15		1	0.00	0	0	0	1020	15		1	0.00	0	0	364	18831	175				
	2	0.00	0	0	36	1788	15		2	0.00	0	0	0	1020	15		2	0.00	0	0	237	14133	160				
	3	0.00	0	0	36	1788	15		3	0.00	0	0	0	1020	15		3	0.00	0	0	204	12414	146				
	4	0.00	0	0	36	1762	15		4	0.00	0	0	0	1020	15		4	0.02	0	0	193	11002	137				
	5	0.00	0	0	36	1740	15		5	0.00	0	0	0	1020	15		5	0.05	0	1	322	10320	132				
	6	0.00	0	0	36	1695	15		6	0.00	0	0	0	1045	15		6	0.07	0	1	1083	11572	163				
	7	0.00	0	0	36	1722	15		7	0.00	0	0	0	1047	15		7	0.05	0	0	1591	14786	208				
	8	0.00	0	0	36	1653	15		8	0.00	0	0	0	1047	15		8	0.01	0	0	749	19099	212				
	9	0.00	0	0	36	1659	15		9	0.00	0	0	0	1047	15		9	0.00	0	0	310	17889	197				
	10	0.00	0	0	36	1661	15		10	0.00	0	0	0	1047	15		10	0.01	0	0	267	14592	182				
	11	0.00	0	0	36	1661	15		11	0.00	0	0	0	1047	15		11	0.01	0	0	234	12634	169				
	12	0.00	0	0	36	1661	15		12	0.00	0	0	0	1047	15		12	0.00	0	0	229	11397	158				
	13	0.00	0	0	36	1661	15		13	0.00	0	0	0	1047	15		13	0.01	0	0	194	10508	147				
	14	0.00	0	0	36	1661	15		14	0.00	0	0	0	1002	15		14	0.00	0	0	191	9546	140				
	15	0.00	0	0	36	1661	15		15	0.00	0	0	0	1002	17		15	0.00	0	0	186	8778	133				
	16	0.00	0	0	36	1661	15		16	0.00	0	0	0	1001	18		16	0.00	0	0	153	7619	188				
	17	0.00	0	0	36	1661	15		17	0.00	0	0	0	1009	18		17	0.00	0	0	153	6510	193				
	18	0.00	0	0	36	1661	15		18	0.00	0	0	0	1006	17		18	0.00	0	0	136	5900	182				
	19	0.00	0	0	36	1661	15		19	0.00	0	0	0	1002	18		19	0.00	0	0	114	5401	177				
	20	0.00	0	0	36	1661	15		20	0.00	0	0	0	1009	18		20	0.00	0	0	114	4994	176				
	21	0.00	0	0	36	1661	15		21	0.00	0	0	0	1009	17		21	0.00	0	0	114	4598	163				
	22	0.00	0	0	36	1661	15		22	0.00	0	0	0	1005	18		22	0.00	0	0	114	4269	158				
	23	0.00	0	0	36	1661	15		23	0.00	0	0	0	1004	18		23	0.00	0	0	114	4034	148				
DEC 15	0	0.00	0	0	36	1661	15	DEC 17	0	0.00	0	0	0	1009	17	DEC 19	0	0.00	0	0	114	3803	142				
	1	0.00	0	0	36	1661	15		1	0.00	0	0	0	1005	18		1	0.00	0	0	114	3601	138				
	2	0.00	0	0	36	1661	15		2	0.01	0	0	0	1040	18		2	0.00	0	0	114	3418	126				
	3	0.00	0	0	36	1661	15		3	0.00	0	0	0	1047	17		3	0.00	0	0	114	3261	123				
	4	0.00	0	0	36	1661	15		4	0.00	0	0	0	1047	18		4	0.00	0	0	114	3395	123				
	5	0.00	0	0	36	1661	15		5	0.00	0	0	0	1047	18		5	0.01	0	0	114	3527	115				
	6	0.00	0	0	36	1661	15		6	0.05	0	0	22	1069	18		6	0.02	0	0	114	3527	106				
	7	0.00	0	0	36	1661	15		7	0.10	0	0	2432	2161	80		7	0.02	0	0	114	3464	110				
	8	0.00	0	0	36	1661	15		8	0.04	0	0	1132	5466	150		8	0.00	0	0	114	3934	123				
	9	0.00	0	0	36	1661	15		9	0.01	0	0	299	7365	118		9	0.00	0	0	114	3996	116				
	10	0.00	0	0	0	1661	15		10	0.00	0	0	124	5951	94		10	0.02	0	0	123	3671	111				
	11	0.00	0	0	0	1661	15		11	0.00	0	0	81	4660	81		11	0.04	0	0	954	4076	151				
	12	0.00	0	0	0	1457	15		12	0.00	0	0	76	4149	45		12	0.02	0	0	692	5994	180				
	13	0.00	0	0	0	1159	15		13	0.01	0	0	76	3944	35		13	0.01	0	0	234	6717	172				
	14	0.00	0	0	0	1131	15		14	0.08	0	4	77	3968	36		14	0.01	0	0	164	5833	142				
	15	0.00	0	0	0	1092	15		15	0.13	0	85	3052	5600	156		15	0.00	0	0	153	5189	138				
	16	0.00	0	0	0	1074	15		16	0.07	0	0	1389	13214	203		16	0.00	0	0	116	4854	125				
	17	0.00	0	0	0	1049	15		17	0.05	0	0	1429	13280	223		17	0.01	0	0	114	4422	123				
	18	0.00	0	0	0	1047	15		18	0.01	0	0	673	14934	205		18	0.01	0	0	114	4139	122				
	19	0.00	0	0	0	1047	15		19	0.02	0	0	227	13209	174		19	0.00	0	0	114	3930	110				
	20	0.00	0	0	0	1047	15		20	0.04	0	0	337	10778	159		20	0.00	0	0	114	3685	106				
	21	0.00	0	0	0	1047	15		21	0.05	0	6	498	10240	164		21	0.00	0	0	114	3567	105				
	22	0.00	0	0	0	1047	15		22	0.05	0	39	1213	11431	180		22	0.00	0	0	114	3421	106				
	23	0.00	0	0	0	1022	15		23	0.04	0	11	1140	14576	195		23	0.00	0	0	114	3313	98				

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HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
DEC 20	0	0.00	0	0	114	3216	88	DEC 22	0	0.00	0	0	144	6791	155	DEC 24	0	0.00	0	0	228	10588	138
	1	0.00	0	0	114	3104	89		1	0.00	0	0	144	6583	141		1	0.00	0	0	228	9757	129
	2	0.00	0	0	114	3008	90		2	0.00	0	0	144	6417	141		2	0.00	0	0	225	9087	123
	3	0.00	0	0	114	2945	90		3	0.00	0	0	144	6137	135		3	0.00	0	0	192	8477	115
	4	0.00	0	0	114	2923	90		4	0.00	0	0	144	5939	123		4	0.00	0	0	192	7871	106
	5	0.00	0	0	114	2977	89		5	0.00	0	0	144	5728	123		5	0.00	0	0	192	7335	106
	6	0.00	0	0	114	2895	82		6	0.00	0	0	144	5589	123		6	0.00	0	0	192	6803	106
	7	0.00	0	0	136	2883	72		7	0.00	0	0	144	5340	110		7	0.00	0	0	170	6409	95
	8	0.00	0	0	155	3005	71		8	0.00	0	0	144	5155	106		8	0.00	0	0	156	6022	88
	9	0.00	0	0	168	3158	72		9	0.00	0	0	144	4931	106		9	0.00	0	0	156	5783	88
	10	0.00	0	0	129	3177	72		10	0.00	0	0	144	4795	105		10	0.00	0	0	156	5647	88
	11	0.01	0	0	114	3030	72		11	0.00	0	0	144	4703	105		11	0.00	0	0	146	5397	82
	12	0.02	0	0	148	3027	72		12	0.00	0	0	144	4616	97		12	0.00	0	0	156	5174	70
	13	0.03	0	0	178	3264	74		13	0.00	0	0	144	4551	88		13	0.00	0	0	152	4898	70
	14	0.01	0	0	477	3735	88		14	0.00	0	0	144	4504	88		14	0.00	0	0	108	4729	72
	15	0.02	0	0	262	4393	88		15	0.00	0	0	144	4404	88		15	0.00	0	0	108	4504	70
	16	0.07	0	0	266	4365	100		16	0.00	0	0	144	4276	88		16	0.00	0	0	108	4301	59
	17	0.08	0	0	2297	6457	216		17	0.00	0	0	144	4205	89		17	0.00	0	0	108	4090	35
	18	0.09	0	14	1734	12479	259		18	0.00	0	0	144	4125	88		18	0.00	0	0	108	3982	52
	19	0.09	0	171	1112	17260	306		19	0.00	0	0	144	4118	83		19	0.00	0	0	108	3838	53
	20	0.04	3	34	4081	30797	405		20	0.00	0	0	144	4079	71		20	0.00	0	0	108	3678	53
	21	0.02	0	0	514	45779	333		21	0.00	0	0	144	4017	71		21	0.00	0	0	108	3537	53
	22	0.00	0	0	531	35467	301		22	0.00	0	0	144	3975	69		22	0.00	0	0	108	3379	35
	23	0.01	0	0	310	25462	280		23	0.00	0	0	144	3916	69		23	0.00	0	0	108	3242	53
DEC 21	0	0.00	0	0	279	19720	264	DEC 23	0	0.00	0	0	132	3889	69	DEC 25	0	0.00	0	0	108	3139	50
	1	0.00	0	0	231	15546	248		1	0.00	0	0	120	3814	69		1	0.00	0	0	108	3043	37
	2	0.02	0	0	238	13515	234		2	0.00	0	0	120	3752	69		2	0.00	0	0	108	2948	36
	3	0.02	0	0	670	13372	247		3	0.00	0	0	120	3725	69		3	0.00	0	0	108	2858	36
	4	0.00	0	0	340	14117	241		4	0.03	0	0	120	3618	69		4	0.00	0	0	108	2731	36
	5	0.02	0	0	265	13458	230		5	0.07	0	0	1332	3776	77		5	0.00	0	0	108	2582	36
	6	0.05	1	10	360	12514	233		6	0.00	0	0	389	6256	121		6	0.00	0	0	108	2540	36
	7	0.01	7	5	1885	13515	294		7	0.08	6	0	703	9780	161		7	0.00	0	0	108	2490	36
	8	0.03	0	0	750	19455	294		8	0.12	24	0	2455	14263	277		8	0.00	0	0	108	2386	36
	9	0.01	2	17	614	25670	284		9	0.10	27	0	2820	24720	357		9	0.00	0	0	108	2331	36
	10	0.00	0	24	262	23923	278		10	0.09	24	0	2351	37912	379		10	0.00	0	0	108	2728	37
	11	0.02	0	0	256	21293	263		11	0.07	20	0	1900	40882	276		11	0.00	0	0	108	2780	53
	12	0.01	0	0	231	17437	246		12	0.05	16	0	1293	19443	269		12	0.00	0	0	108	2771	53
	13	0.01	0	0	322	15316	231		13	0.04	12	0	842	37479	250		13	0.00	0	0	108	2793	53
	14	0.00	0	0	280	14148	230		14	0.03	11	0	1112	39605	229		14	0.00	0	0	108	2793	54
	15	0.00	0	0	219	13143	222		15	0.01	3	0	692	35942	228		15	0.00	0	0	108	2710	54
	16	0.00	0	0	166	12260	212		16	0.00	0	0	425	31185	209		16	0.00	0	0	108	2637	54
	17	0.00	0	0	120	11238	207		17	0.01	0	0	329	23837	196		17	0.00	0	0	108	2576	54
	18	0.00	0	0	144	10404	199		18	0.02	0	0	309	18888	187		18	0.00	0	0	108	2522	54
	19	0.00	0	0	144	9766	191		19	0.01	0	0	433	16431	177		19	0.00	0	0	108	2469	54
	20	0.00	0	0	144	9477	181		20	0.00	0	0	340	15183	175		20	0.00	0	0	108	2401	54
	21	0.00	0	0	144	8622	175		21	0.00	0	0	275	14123	163		21	0.00	0	0	108	2331	54
	22	0.00	0	0	144	7975	166		22	0.00	0	0	252	12850	155		22	0.00	0	0	108	2342	54
	23	0.00	0	0	144	7281	159		23	0.00	0	0	228	11636	145		23	0.00	0	0	108	2310	54



HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
DEC 26	0	0.00	0	0	54	2307	54	DEC 28	0	0.00	0	0	36	1543	18	DEC 30	0	0.00	0	0	38	1545	18
	1	0.00	0	0	54	2241	54		1	0.00	0	0	36	1543	18		1	0.00	0	0	38	1545	18
	2	0.00	0	0	54	2238	54		2	0.00	0	0	36	1543	18		2	0.00	0	0	38	1545	18
	3	0.00	0	0	54	2209	51		3	0.00	0	0	36	1543	18		3	0.02	0	0	38	1545	18
	4	0.00	0	0	54	2189	39		4	0.00	0	0	36	1543	18		4	0.02	0	0	105	1545	18
	5	0.00	0	0	54	2184	36		5	0.00	0	0	36	1543	18		5	0.01	0	0	89	1545	18
	6	0.00	0	0	54	2169	36		6	0.00	0	0	36	1543	18		6	0.01	0	0	109	1545	18
	7	0.00	0	0	54	2141	36		7	0.00	0	0	36	1543	18		7	0.01	0	0	73	1661	18
	8	0.00	0	0	54	2121	36		8	0.00	0	0	36	1543	18		8	0.01	0	0	72	1661	18
	9	0.00	0	0	54	2087	36		9	0.00	0	0	36	1543	18		9	0.01	0	0	131	1690	18
	10	0.00	0	0	54	1962	36		10	0.00	0	0	36	1548	18		10	0.00	0	0	104	1732	18
	11	0.00	0	0	54	1948	36		11	0.00	0	0	36	1594	18		11	0.01	0	0	72	1804	18
	12	0.00	0	0	54	1937	36		12	0.00	0	0	35	1614	18		12	0.01	0	0	72	1701	18
	13	0.00	0	0	54	1932	36		13	0.00	0	0	32	1504	18		13	0.00	0	0	79	1648	18
	14	0.00	0	0	54	1904	36		14	0.00	0	0	30	1477	18		14	0.01	0	0	77	1716	18
	15	0.00	0	0	36	1875	36		15	0.01	0	0	30	1489	18		15	0.00	0	0	40	1727	18
	16	0.00	0	0	36	1823	36		16	0.01	0	0	30	1617	18		16	0.00	0	0	36	1682	18
	17	0.00	0	0	36	1820	36		17	0.00	0	0	32	1646	18		17	0.00	0	0	36	1648	18
	18	0.00	0	0	36	1804	36		18	0.00	0	0	38	1661	18		18	0.00	0	0	36	1630	18
	19	0.00	0	0	36	1820	36		19	0.00	0	0	38	1661	18		19	0.00	0	0	36	1630	18
	20	0.00	0	0	36	1804	36		20	0.00	0	0	38	1661	18		20	0.01	0	0	36	1630	18
	21	0.00	0	0	36	1807	36		21	0.00	0	0	38	1661	18		21	0.01	0	0	36	1630	18
	22	0.00	0	0	36	1818	36		22	0.00	0	0	38	1661	18		22	0.04	0	0	36	1630	23
	23	0.00	0	0	36	1804	36		23	0.00	0	0	38	1661	18		23	0.04	0	0	668	1643	28
DEC 27	0	0.00	0	0	36	1807	36	DEC 29	0	0.00	0	0	38	1661	18	DEC 31	0	0.00	0	0	242	1918	31
	1	0.00	0	0	36	1804	36		1	0.00	0	0	38	1661	18		1	0.00	0	0	100	2383	31
	2	0.00	0	0	36	1788	36		2	0.00	0	0	38	1661	18		2	0.00	0	0	78	2118	31
	3	0.00	0	0	36	1772	36		3	0.00	0	0	38	1661	18		3	0.01	0	0	13	1866	31
	4	0.00	0	0	36	1716	36		4	0.00	0	0	38	1661	18		4	0.05	0	0	47	1804	31
	5	0.00	0	0	36	1706	36		5	0.00	0	0	38	1661	18		5	0.01	0	0	425	1847	31
	6	0.00	0	0	33	1682	35		6	0.00	0	0	38	1661	18		6	0.02	0	0	125	2433	31
	7	0.00	0	0	36	1677	35		7	0.00	0	0	38	1661	18		7	0.03	0	0	189	2469	31
	8	0.00	0	0	36	1661	31		8	0.00	0	0	38	1661	18		8	0.07	0	0	469	2519	31
	9	0.00	0	0	36	1648	19		9	0.00	0	0	38	1661	18		9	0.00	0	0	1234	3567	42
	10	0.00	0	0	36	1659	18		10	0.00	0	0	38	1661	18		10	0.00	0	0	207	6886	39
	11	0.00	0	0	36	1661	18		11	0.00	0	0	38	1661	18		11	0.03	0	0	120	6205	27
	12	0.00	0	0	36	1716	18		12	0.00	0	0	38	1661	18		12	0.06	0	0	556	5050	25
	13	0.00	0	0	36	1786	18		13	0.00	0	0	38	1661	18		13	0.02	0	0	970	5620	62
	14	0.00	0	0	33	1772	18		14	0.00	0	0	38	1661	18		14	0.04	0	0	377	8836	53
	15	0.00	0	0	33	1716	18		15	0.00	0	0	38	1661	18		15	0.05	0	7	626	8979	55
	16	0.00	0	0	36	1680	18		16	0.00	0	0	38	1661	18		16	0.03	0	3	1120	10231	88
	17	0.00	0	0	36	1646	18		17	0.00	0	0	38	1661	18		17	0.04	0	0	495	13199	81
	18	0.00	0	0	36	1633	18		18	0.00	0	0	38	1635	18		18	0.04	0	0	992	12935	99
	19	0.00	0	0	36	1630	18		19	0.00	0	0	38	1545	18		19	0.05	0	0	458	14206	90
	20	0.00	0	0	36	1630	18		20	0.00	0	0	38	1545	18		20	0.04	0	6	1363	14143	115
	21	0.00	0	0	36	1630	18		21	0.00	0	0	38	1545	18		21	0.03	0	0	387	15814	109
	22	0.00	0	0	36	1630	18		22	0.00	0	0	38	1545	18		22	0.01	0	0	864	16078	115
	23	0.00	0	0	36	1630	18		23	0.00	0	0	38	1545	18		23	0.01	0	0	390	16677	107

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1			
		----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----										
JAN	1	0	0.01	0	0	261	15835	100	JAN	3	0	0.00	0	0	114	4315	53	JAN	5	0	0.03	0	0	615	29382	259
	1	0.01	0	0	242	14117	89		1	0.00	0	0	114	4125	53		1	0.09	0	24	1855	28742	290			
	2	0.00	0	0	230	12624	88		2	0.00	0	0	114	3968	51		2	0.02	0	0	1150	35733	308			
	3	0.01	0	0	173	11456	82		3	0.00	0	0	113	3817	51		3	0.03	0	0	750	41357	296			
	4	0.00	0	0	150	10292	70		4	0.00	0	0	82	3695	51		4	0.05	0	0	827	38369	282			
	5	0.00	0	0	150	9277	70		5	0.00	0	0	78	3607	51		5	0.00	0	0	533	31600	274			
	6	0.00	0	0	125	8349	70		6	0.00	0	0	78	3531	51		6	0.00	0	0	339	26376	248			
	7	0.00	0	0	139	7530	64		7	0.00	0	0	78	3435	51		7	0.00	0	0	282	22223	225			
	8	0.00	0	0	114	6931	53		8	0.00	0	0	78	3333	51		8	0.00	0	0	256	18001	211			
	9	0.00	0	0	114	6595	52		9	0.00	0	0	78	3258	51		9	0.00	0	0	234	15088	196			
	10	0.00	0	0	114	6169	53		10	0.00	0	0	78	3088	51		10	0.00	0	0	216	13168	192			
	11	0.00	0	0	114	5791	77		11	0.00	0	0	78	3005	51		11	0.00	0	0	193	11616	186			
	12	0.00	0	0	114	5508	88		12	0.00	0	0	78	2895	51		12	0.00	0	0	186	10745	172			
	13	0.00	0	0	114	5230	88		13	0.00	0	0	78	2852	41		13	0.00	0	0	186	9895	159			
	14	0.00	0	0	114	5035	83		14	0.00	0	0	78	2796	36		14	0.00	0	0	179	9177	146			
	15	0.00	0	0	114	4887	71		15	0.00	0	0	78	2777	36		15	0.00	0	0	153	8389	138			
	16	0.00	0	0	114	4692	70		16	0.00	0	0	78	2707	36		16	0.00	0	0	130	7653	138			
	17	0.00	0	0	114	4511	70		17	0.00	0	0	78	2652	36		17	0.00	0	0	154	7097	124			
	18	0.00	0	0	114	4325	71		18	0.00	0	0	78	2591	36		18	0.00	0	0	155	6791	123			
	19	0.00	0	0	114	4114	70		19	0.00	0	0	78	2546	36		19	0.00	0	0	156	6413	110			
	20	0.00	0	0	114	3999	70		20	0.01	0	0	78	2519	36		20	0.00	0	0	156	6022	106			
	21	0.00	0	0	114	3879	68		21	0.00	0	0	99	2519	36		21	0.00	0	0	156	5717	106			
	22	0.00	0	0	114	3739	56		22	0.01	0	0	114	2552	36		22	0.00	0	0	156	5393	96			
	23	0.00	0	0	114	3591	54		23	0.00	0	0	129	2600	36		23	0.00	0	0	146	5091	88			
JAN	2	0	0.00	0	0	104	3481	53	JAN	4	0	0.01	0	0	132	2725	36	JAN	6	0	0.00	0	0	118	4913	88
	1	0.00	0	0	90	3352	53		1	0.00	0	0	114	2808	36		1	0.00	0	0	114	4751	88			
	2	0.00	0	0	84	3290	53		2	0.00	0	0	111	2750	36		2	0.00	0	0	114	4620	87			
	3	0.00	0	0	84	3200	52		3	0.00	0	0	77	2637	36		3	0.00	0	0	97	4414	73			
	4	0.00	0	0	72	3100	53		4	0.00	0	0	78	2543	36		4	0.00	0	0	72	4174	72			
	5	0.00	0	0	72	3024	53		5	0.00	0	0	78	2502	36		5	0.00	0	0	72	3992	72			
	6	0.00	0	0	72	3002	53		6	0.00	0	0	78	2419	36		6	0.00	0	0	72	3800	72			
	7	0.00	0	0	72	2948	52		7	0.00	0	0	78	2366	36		7	0.00	0	0	72	3638	72			
	8	0.00	0	0	72	2939	47		8	0.00	0	0	78	2328	36		8	0.00	0	0	72	3491	72			
	9	0.00	0	0	72	2908	36		9	0.00	0	0	79	2342	36		9	0.00	0	0	72	3323	59			
	10	0.00	0	0	72	2787	36		10	0.04	0	0	394	2339	36		10	0.00	0	0	72	3200	53			
	11	0.00	0	0	72	2707	36		11	0.02	0	0	282	2833	36		11	0.00	0	0	72	3187	53			
	12	0.00	0	0	72	2664	36		12	0.00	0	0	173	3123	36		12	0.00	0	0	72	3297	54			
	13	0.01	0	0	103	2713	36		13	0.01	0	0	150	2958	36		13	0.00	0	0	72	3534	54			
	14	0.03	0	0	560	2808	36		14	0.00	0	0	150	2870	36		14	0.00	0	0	72	3722	54			
	15	0.04	0	0	120	3075	43		15	0.02	0	0	151	2836	36		15	0.00	0	0	72	3618	42			
	16	0.03	0	0	381	4400	54		16	0.03	0	0	287	2858	37		16	0.00	0	0	72	3461	35			
	17	0.02	0	0	467	5310	69		17	0.08	0	0	903	3271	63		17	0.00	0	0	72	3297	35			
	18	0.00	0	0	262	6081	71		18	0.12	0	0	2101	5767	137		18	0.00	0	0	72	3197	33			
	19	0.01	0	0	221	5983	72		19	0.08	0	0	1895	13448	202		19	0.00	0	0	72	3104	33			
	20	0.01	0	0	191	5662	72		20	0.06	0	0	1502	20213	234		20	0.00	0	0	72	3005	33			
	21	0.00	0	0	152	5291	72		21	0.08	0	0	1581	26579	257		21	0.00	0	0	72	2880	33			
	22	0.00	0	0	140	4961	71		22	0.05	0	0	1305	31285	276		22	0.00	0	0	72	2750	33			
	23	0.00	0	0	114	4638	60		23	0.03	0	0	1053	35071	279		23	0.00	0	0	72	2622	32			

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	
JAN 7	0	0.00	0	0	72	2507	22	JAN 9	0	0.05	-1	0	492	8707	114	JAN 11	0	0.00	7	0	233	5955	212	
	1	0.00	0	0	72	2386	18		1	0.08	-1	0	557	11089	143		1	0.00	7	-1	228	5520	204	
	2	0.00	0	0	72	2328	18		2	0.11	-1	19	1445	14258	182		2	0.00	7	-1	198	5084	194	
	3	0.00	0	0	72	2264	18		3	0.15	-1	241	3152	24670	343		3	0.00	7	-1	186	4667	190	
	4	0.00	0	0	72	2281	18		4	0.12	-1	358	3805	55404	381		4	0.00	7	-1	186	4293	176	
	5	0.00	0	0	72	2342	18		5	0.12	-1	358	3322	75102	415		5	0.00	7	-1	186	4013	176	
	6	0.00	0	0	72	2325	18		6	0.15	-1	1027	5349	121674	551		6	0.00	7	-1	186	3766	165	
	7	0.00	0	0	72	2325	18		7	0.08	-1	330	3037	172945	516		7	0.00	7	-1	186	3594	159	
	8	0.00	0	0	72	2325	18		8	0.06	-1	230	1887	117782	485		8	0.00	7	-1	186	3478	158	
	9	0.00	0	0	72	2325	18		9	0.05	31	200	1512	73573	451		9	0.00	7	-1	186	3352	142	
	10	0.00	0	0	72	2325	18		10	0.02	28	69	747	61772	425		10	0.00	7	-1	198	3290	141	
	11	0.00	0	0	72	2325	18		11	0.01	25	33	579	53135	398		11	0.00	7	-1	263	3271	141	
	12	0.00	0	0	72	2325	18		12	0.00	21	33	449	40795	372		12	0.00	9	-1	292	3352	141	
	13	0.00	0	0	72	2354	18		13	0.00	20	36	427	31573	345		13	0.00	27	-1	661	4146	146	
	14	0.00	0	0	72	2454	18		14	0.00	25	36	400	23720	109		14	0.00	16	-1	600	7449	132	
	15	0.00	0	0	72	2505	18		15	0.01	33	35	520	20224	292		15	0.00	18	-1	587	8867	194	
	16	0.00	0	0	72	2454	18		16	0.00	27	0	402	18231	266		16	0.00	13	-1	587	9900	222	
	17	0.00	0	0	72	2386	18		17	0.02	27	0	346	15407	242		17	0.06	19	-1	709	10569	246	
	18	0.00	0	0	72	2342	18		18	0.03	44	37	802	13407	233		18	0.04	44	-1	1585	13031	325	
	19	0.00	0	0	72	2325	10		19	0.01	35	0	511	13555	232		19	0.03	35	102	1181	23354	368	
	20	0.00	0	0	72	2325	10		20	0.01	28	0	417	13143	220		20	0.03	42	202	2523	33608	407	
	21	0.00	0	0	72	2325	10		21	0.02	26	0	374	12384	213		21	0.01	31	92	937	40380	405	
	22	0.00	0	0	72	2325	10		22	0.02	26	0	387	11388	210		22	0.01	-1	38	644	43312	369	
	23	0.00	0	0	72	2325	10		23	0.01	23	0	351	10451	198		23	0.00	-1	38	545	35196	352	
																	JAN 12	0	0.00	-1	38	461	27159	321
JAN 8	0	0.00	0	0	72	2325	10	JAN 10	0	0.00	22	0	355	9486	193		1	0.01	-1	38	405	20440	226	
	1	0.00	0	0	72	2325	10		1	0.00	20	0	339	8729	182		2	0.02	-1	38	461	16896	308	
	2	0.00	0	0	72	2325	10		2	0.00	20	0	300	8122	175		3	0.02	-1	38	464	14908	316	
	3	0.00	0	0	72	2325	10		3	0.00	14	0	302	7547	161		4	0.09	27	38	603	14211	341	
	4	0.00	0	0	72	2325	10		4	0.00	13	0	271	7022	157		5	0.20	89	784	4074	17315	384	
	5	0.00	0	0	72	2325	10		5	0.00	13	0	253	6542	145		6	0.22	266	2645	9599	60709	562	
	6	0.00	0	0	72	2325	10		6	0.00	8	0	229	5971	141		7	0.12	237	1446	6240	228224	614	
	7	0.00	0	0	72	2325	10		7	0.00	7	0	228	5412	141		8	0.06	171	584	2761	211884	617	
	8	0.00	0	0	72	2325	10		8	0.00	7	0	228	4891	131		9	0.03	179	619	2347	147304	619	
	9	0.00	0	0	72	2325	10		9	0.00	7	0	228	4544	124		10	0.01	130	194	1391	86608	614	
	10	0.03	0	0	72	2310	10		10	0.00	7	0	195	4343	123		11	0.01	97	48	557	57231	544	
	11	0.03	0	0	72	2366	14		11	0.00	13	0	213	4216	124		12	0.04	88	48	489	42815	507	
	12	0.03	0	0	72	2796	35		12	0.01	13	0	289	4223	119		13	0.05	136	579	2642	31869	515	
	13	0.02	0	0	72	3651	36		13	0.02	20	0	361	5114	108		14	0.03	117	151	1345	38448	523	
	14	0.01	0	0	72	4248	36		14	0.05	20	0	394	6109	106		15	0.02	103	84	804	39663	502	
	15	0.00	0	0	72	4440	36		15	0.05	22	0	345	7256	119		16	0.02	96	84	831	32349	493	
	16	0.02	0	0	72	4048	36		16	0.05	24	34	456	8742	208		17	0.01	89	84	721	28709	485	
	17	0.02	0	0	72	3848	48		17	0.03	24	6	420	10002	259		18	0.02	88	84	825	25732	483	
	18	0.02	-1	0	72	4244	53		18	0.02	18	0	447	10226	272		19	0.03	88	84	718	23201	480	
	19	0.02	-1	0	72	4744	55		19	0.00	14	0	381	9780	263		20	0.04	93	84	739	21003	470	
	20	0.03	-1	0	72	5593	71		20	0.00	10	0	323	8725	247		21	0.05	116	72	1524	20563	488	
	21	0.02	-1	0	330	7243	71		21	0.00	6	0	299	7679	236		22	0.05	126	144	1531	25921	490	
	22	0.01	-1	0	301	7897	83		22	0.00	7	0	266	6865	226		23	0.03	126	120	1332	30008	513	
	23	0.03	-1	0	311	7893	89		23	0.00	7	0	264	6421	142									

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	DATE	HR	PRECIP (IN/HR)	EIF1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----
JAN 13	0	0.05	136	117	1411	32864	516	JAN 15	0	0.00	28	0	306	5144	161	JAN 17	0	0.00	0	0	228	2293	107
	1	0.07	156	204	1862	34227	538		1	0.00	26	0	306	4979	156		1	0.00	0	0	228	2178	106
	2	0.07	181	278	2058	39295	602		2	0.00	24	0	306	4736	145		2	0.00	0	0	215	2079	105
	3	0.07	201	422	2269	48667	614		3	0.00	23	0	306	4447	141		3	0.00	0	0	191	2020	106
	4	0.06	202	240	1762	56032	600		4	0.00	22	0	306	4195	137		4	0.00	0	0	192	1968	104
	5	0.05	246	437	2513	54274	574		5	0.00	20	0	306	3934	124		5	0.00	0	0	192	2062	98
	6	0.03	224	166	1596	60925	537		6	0.00	20	0	304	3780	123		6	0.00	0	0	192	2023	89
	7	0.02	197	84	999	58675	499		7	0.00	20	0	269	3577	123		7	0.00	0	0	192	2023	90
	8	0.00	166	84	696	45273	462		8	0.00	20	0	270	3398	117		8	0.00	0	0	192	2023	90
	9	0.00	143	84	579	32565	424		9	0.00	20	0	270	3261	107		9	0.00	0	0	215	2023	90
	10	0.00	121	84	530	25462	387		10	0.00	20	0	270	3126	105		10	0.00	0	0	209	2023	90
	11	0.00	105	36	482	7964	349		11	0.00	20	0	270	3005	106		11	0.00	0	0	187	2023	90
	12	0.00	96	36	457	14063	312		12	0.00	20	0	270	2895	105		12	0.00	0	0	186	2023	86
	13	0.00	94	36	439	11880	275		13	0.00	20	0	270	2852	102		13	0.00	0	0	186	2023	86
	14	0.01	86	0	382	9504	246		14	0.00	20	0	270	2814	93		14	0.00	0	0	186	2023	80
	15	0.02	84	0	397	8863	239		15	0.00	18	0	270	2774	103		15	0.00	0	0	186	2023	75
	16	0.02	78	0	538	8600	233		16	0.00	17	0	270	2793	105		16	0.00	0	0	186	2023	73
	17	0.02	78	0	559	8773	230		17	0.00	15	0	270	2793	103		17	0.00	0	0	186	2023	83
	18	0.00	71	0	599	9006	233		18	0.00	14	0	270	2793	103		18	0.00	0	0	186	2023	78
	19	0.00	62	0	425	8818	226		19	0.00	13	0	270	2793	96		19	0.00	0	0	186	2023	73
	20	0.01	67	0	395	7807	214		20	0.00	13	0	270	2478	92		20	0.00	0	0	186	2023	70
	21	0.01	65	0	451	7264	210		21	0.00	12	0	270	2493	89		21	0.00	0	0	186	2023	69
	22	0.00	54	0	437	7235	205		22	0.00	11	0	270	2372	87		22	0.00	0	0	186	2023	69
	23	0.00	53	0	379	6865	194		23	0.00	10	0	229	2310	87		23	0.00	0	0	162	2023	69
JAN 14	0	0.00	48	0	155	6085	192	JAN 16	0	0.00	9	0	270	2244	87	JAN 18	0	0.00	0	0	156	2023	69
	1	0.00	47	0	22	5393	186		1	0.00	8	0	239	2204	87		1	0.00	0	0	156	2023	69
	2	0.00	47	0	53	5088	176		2	0.00	7	0	228	2087	87		2	0.00	0	0	155	2023	69
	3	0.00	42	0	343	4854	175		3	0.00	7	0	228	1987	87		3	0.00	0	0	119	2023	69
	4	0.01	44	0	343	4565	171		4	0.00	4	0	228	1951	87		4	0.00	0	0	114	2023	69
	5	0.03	58	0	567	4515	163		5	0.01	4	0	238	1924	87		5	0.00	0	0	114	2023	69
	6	0.05	62	0	710	5238	177		6	0.03	19	0	548	1948	88		6	0.00	0	0	114	2023	69
	7	0.14	80	0	1357	6506	209		7	0.05	15	0	521	2849	105		7	0.00	0	0	114	2023	69
	8	0.20	205	645	5041	11388	306		8	0.05	28	0	1151	3585	130		8	0.00	0	0	114	2023	62
	9	0.10	311	1754	7684	61714	432		9	0.03	36	0	1369	5574	179		9	0.00	0	0	114	2023	54
	10	0.02	195	214	1923	200694	402		10	0.02	29	34	765	7568	194		10	0.00	0	0	114	2023	54
	11	0.00	156	6	739	139278	359		11	0.01	17	36	360	7594	185		11	0.00	0	0	114	2023	54
	12	0.00	114	0	522	66142	332		12	0.01	17	22	461	6534	177		12	0.00	0	0	114	2023	54
	13	0.00	89	0	443	40039	307		13	0.00	10	0	400	6157	175		13	0.00	0	0	114	2023	54
	14	0.00	77	0	389	27429	286		14	0.00	7	0	339	5651	165		14	0.00	0	0	114	2023	54
	15	0.00	65	0	350	19357	270		15	0.00	5	0	305	4950	158		15	0.00	0	0	114	2023	54
	16	0.00	56	0	342	14723	251		16	0.00	0	0	242	4411	150		16	0.00	0	0	114	2023	54
	17	0.00	47	0	342	10845	234		17	0.00	0	0	229	2886	141		17	0.00	0	0	114	2023	54
	18	0.00	41	0	342	8939	218		18	0.00	0	0	270	2886	140		18	0.00	0	0	114	2023	54
	19	0.00	38	0	315	7871	201		19	0.00	0	0	233	2811	131		19	0.00	0	0	114	2023	54
	20	0.00	34	0	306	6906	192		20	0.00	0	0	228	2948	124		20	0.00	0	0	114	2023	54
	21	0.00	34	0	306	6433	181		21	0.00	0	0	228	2734	123		21	0.00	0	0	114	2023	54
	22	0.00	28	0	306	6018	176		22	0.00	0	0	228	2499	122		22	0.00	0	0	114	2023	54
	23	0.00	27	0	306	5393	173		23	0.00	0	0	228	2339	115		23	0.00	0	0	114	2023	54

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HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1
			----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----							----- (CUBIC FEET/HR) -----						
JAN 19	0	0.00	0	0	114	2023	54	JAN 21	0	0.00	0	0	36	1791	18	JAN 23	0	0.00	0	0	36	1439	18
	1	0.00	0	0	114	2023	54		1	0.00	0	0	36	1716	18		1	0.00	0	0	36	1439	16
	2	0.00	0	0	114	2023	54		2	0.00	0	0	36	1651	18		2	0.00	0	0	36	1439	15
	3	0.00	0	0	114	2023	54		3	0.00	0	0	36	1646	18		3	0.00	0	0	36	1439	15
	4	0.00	0	0	114	2023	51		4	0.00	0	0	36	1646	18		4	0.00	0	0	36	1439	15
	5	0.00	0	0	114	2023	48		5	0.00	0	0	36	1646	18		5	0.00	0	0	36	1439	13
	6	0.00	0	0	114	2023	44		6	0.00	0	0	36	1617	18		6	0.00	0	0	36	1439	17
	7	0.00	0	0	114	2023	38		7	0.00	0	0	36	1530	18		7	0.00	0	0	36	1439	15
	8	0.00	0	0	114	2020	35		8	0.00	0	0	36	1494	18		8	0.00	0	0	36	1439	2
	9	0.00	0	0	114	1970	36		9	0.00	0	0	36	1532	18		9	0.00	0	0	36	1439	1
	10	0.00	0	0	114	1984	36		10	0.00	0	0	36	1537	18		10	0.00	0	0	36	1439	0
	11	0.00	0	0	114	2073	36		11	0.00	0	0	36	1537	18		11	0.00	0	0	36	1439	0
	12	0.00	0	0	114	2380	36		12	0.00	0	0	36	1537	18		12	0.00	0	0	36	1439	0
	13	0.00	0	0	114	2380	36		13	0.00	0	0	36	1537	18		13	0.00	0	0	36	1439	0
	14	0.00	0	0	114	2380	36		14	0.00	0	0	36	1537	18		14	0.00	0	0	36	1439	0
	15	0.00	0	0	114	2380	36		15	0.00	0	0	36	1537	18		15	0.00	0	0	28	1334	0
	16	0.00	0	0	114	2380	36		16	0.00	0	0	36	1537	18		16	0.00	0	0	28	1333	0
	17	0.00	0	0	114	2380	36		17	0.00	0	0	36	1537	18		17	0.00	0	0	28	1223	0
	18	0.00	0	0	114	2380	36		18	0.00	0	0	36	1537	18		18	0.00	0	0	28	1185	0
	19	0.00	0	0	114	2380	36		19	0.00	0	0	36	1537	18		19	0.00	0	0	28	1185	0
	20	0.00	0	0	110	2254	36		20	0.00	0	0	36	1537	18		20	0.00	0	0	28	1185	0
	21	0.00	0	0	73	2313	36		21	0.00	0	0	36	1537	18		21	0.00	0	0	28	1185	0
	22	0.00	0	0	72	2258	36		22	0.00	0	0	36	1537	18		22	0.00	0	0	28	1185	0
	23	0.00	0	0	72	2209	36		23	0.00	0	0	36	1537	18		23	0.00	0	0	28	1185	0
JAN 20	0	0.00	0	0	61	2141	36	JAN 22	0	0.00	0	0	36	1537	18	JAN 24	0	0.00	0	0	28	1185	0
	1	0.00	0	0	36	2012	36		1	0.00	0	0	36	1537	18		1	0.00	0	0	28	1185	0
	2	0.00	0	0	36	1940	36		2	0.00	0	0	36	1537	18		2	0.00	0	0	28	1185	0
	3	0.00	0	0	36	1875	36		3	0.00	0	0	36	1537	18		3	0.00	0	0	28	1185	0
	4	0.00	0	0	36	1823	34		4	0.00	0	0	36	1537	18		4	0.00	0	0	28	1185	0
	5	0.00	0	0	36	1807	28		5	0.00	0	0	36	1537	18		5	0.00	0	0	28	1185	0
	6	0.00	0	0	36	1818	23		6	0.00	0	0	36	1537	18		6	0.00	0	0	28	1185	0
	7	0.00	0	0	36	1791	20		7	0.00	0	0	36	1537	18		7	0.00	0	0	28	1185	0
	8	0.00	0	0	36	1759	18		8	0.00	0	0	36	1537	18		8	0.00	0	0	28	1185	0
	9	0.00	0	0	36	1714	18		9	0.00	0	0	36	1537	18		9	0.00	0	0	28	1173	0
	10	0.00	0	0	36	1693	18		10	0.00	0	0	36	1537	18		10	0.00	0	0	28	1069	0
	11	0.00	0	0	36	1748	18		11	0.00	0	0	36	1537	18		11	0.00	0	0	28	1047	0
	12	0.00	0	0	36	1802	18		12	0.00	0	0	36	1537	18		12	0.00	0	0	28	1047	0
	13	0.00	0	0	36	2085	18		13	0.00	0	0	36	1537	18		13	0.00	0	0	28	1047	0
	14	0.00	0	0	36	2316	18		14	0.00	0	0	36	1537	18		14	0.00	0	0	28	1047	0
	15	0.00	0	0	36	2250	18		15	0.00	0	0	36	1439	18		15	0.00	0	0	28	1047	0
	16	0.00	0	0	36	2082	18		16	0.00	0	0	36	1439	18		16	0.00	0	0	28	1047	0
	17	0.00	0	0	36	1973	18		17	0.00	0	0	36	1439	18		17	0.00	0	0	28	1036	0
	18	0.00	0	0	36	1968	18		18	0.00	0	0	36	1439	18		18	0.00	0	0	28	1020	0
	19	0.00	0	0	36	1891	18		19	0.00	0	0	36	1439	18		19	0.00	0	0	28	1020	0
	20	0.00	0	0	36	1826	18		20	0.00	0	0	36	1439	18		20	0.00	0	0	28	1020	0
	21	0.00	0	0	36	1804	18		21	0.00	0	0	36	1439	18		21	0.00	0	0	28	1022	0
	22	0.00	0	0	36	1804	18		22	0.00	0	0	36	1439	18		22	0.00	0	0	28	1018	0
	23	0.00	0	0	36	1804	18		23	0.00	0	0	36	1439	18		23	0.00	0	0	28	1020	0

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
JAN 25	0	0.00	0	0	28	1020	0	JAN 27	0	0.00	0	0	8	439	0	JAN 29	0	0.00	0	0	0	329	0
	1	0.00	0	0	28	1020	0		1	0.00	0	0	8	447	0		1	0.00	0	0	0	329	0
	2	0.00	0	0	28	1020	0		2	0.00	0	0	8	447	0		2	0.00	0	0	0	329	0
	3	0.00	0	0	28	1020	0		3	0.00	0	0	8	447	0		3	0.00	0	0	0	297	0
	4	0.00	0	0	28	1020	0		4	0.00	0	0	8	447	0		4	0.00	0	0	0	252	0
	5	0.00	0	0	28	1020	0		5	0.00	0	0	8	446	0		5	0.00	0	0	0	240	0
	6	0.00	0	0	28	1020	0		6	0.00	0	0	8	514	0		6	0.00	0	0	0	240	0
	7	0.00	0	0	28	1020	0		7	0.00	0	0	8	534	0		7	0.00	0	0	0	240	0
	8	0.00	0	0	28	1020	0		8	0.00	0	0	8	532	0		8	0.00	0	0	0	240	0
	9	0.00	0	0	28	1020	0		9	0.00	0	0	8	543	0		9	0.00	0	0	0	240	0
	10	0.00	0	0	28	1020	0		10	0.00	0	0	8	505	0		10	0.00	0	0	0	240	0
	11	0.00	0	0	14	1020	0		11	0.00	0	0	8	451	0		11	0.00	0	0	0	240	0
	12	0.00	0	0	14	1020	0		12	0.00	0	0	8	435	0		12	0.00	0	0	0	240	0
	13	0.00	0	0	14	1020	0		13	0.00	0	0	8	429	0		13	0.00	0	0	0	240	0
	14	0.00	0	0	14	1020	0		14	0.00	0	0	8	427	0		14	0.00	0	0	0	240	0
	15	0.00	0	0	14	1020	0		15	0.00	0	0	8	418	0		15	0.00	0	0	0	240	0
	16	0.00	0	0	14	1018	0		16	0.00	0	0	8	400	0		16	0.00	0	0	0	240	0
	17	0.00	0	0	14	1020	0		17	0.00	0	0	8	359	0		17	0.00	0	0	0	240	0
	18	0.00	0	0	14	1009	0		18	0.00	0	0	8	359	0		18	0.00	0	0	0	240	0
	19	0.00	0	0	14	917	0		19	0.00	0	0	8	359	0		19	0.00	0	0	0	240	0
	20	0.00	0	0	14	874	0		20	0.00	0	0	8	359	0		20	0.00	0	0	0	240	0
	21	0.00	0	0	14	813	0		21	0.00	0	0	8	359	0		21	0.00	0	0	0	240	0
	22	0.00	0	0	14	821	0		22	0.00	0	0	8	359	0		22	0.00	0	0	0	240	0
	23	0.00	0	0	14	721	0		23	0.00	0	0	8	359	0		23	0.00	0	0	0	240	0
JAN 26	0	0.00	0	0	14	668	0	JAN 28	0	0.00	0	0	8	359	0	JAN 30	0	0.00	0	0	0	240	0
	1	0.00	0	0	14	658	0		1	0.00	0	0	8	331	0		1	0.00	0	0	0	240	0
	2	0.00	0	0	14	644	0		2	0.00	0	0	8	329	0		2	0.00	0	0	0	240	0
	3	0.00	0	0	14	644	0		3	0.00	0	0	8	329	0		3	0.00	0	0	0	240	0
	4	0.00	0	0	14	644	0		4	0.00	0	0	8	329	0		4	0.00	0	0	0	240	0
	5	0.00	0	0	14	644	0		5	0.00	0	0	8	329	0		5	0.00	0	0	0	240	0
	6	0.00	0	0	14	644	0		6	0.00	0	0	8	329	0		6	0.00	0	0	0	240	0
	7	0.00	0	0	14	644	0		7	0.00	0	0	8	329	0		7	0.00	0	0	0	240	0
	8	0.00	0	0	14	644	0		8	0.00	0	0	8	329	0		8	0.00	0	0	0	240	0
	9	0.00	0	0	14	644	0		9	0.00	0	0	8	329	0		9	0.00	0	0	0	240	0
	10	0.00	0	0	8	644	0		10	0.00	0	0	0	329	0		10	0.00	0	0	0	240	0
	11	0.00	0	0	8	644	0		11	0.00	0	0	0	329	0		11	0.00	0	0	0	240	0
	12	0.00	0	0	8	644	0		12	0.00	0	0	0	329	0		12	0.00	0	0	0	240	0
	13	0.00	0	0	8	644	0		13	0.00	0	0	0	329	0		13	0.00	0	0	0	240	0
	14	0.00	0	0	8	644	0		14	0.00	0	0	0	329	0		14	0.00	0	0	0	287	0
	15	0.00	0	0	8	644	0		15	0.00	0	0	0	329	0		15	0.00	0	0	0	328	0
	16	0.00	0	0	8	644	0		16	0.00	0	0	0	329	0		16	0.00	0	0	0	329	0
	17	0.00	0	0	8	635	0		17	0.00	0	0	0	329	0		17	0.00	0	0	0	329	0
	18	0.00	0	0	8	582	0		18	0.00	0	0	0	329	0		18	0.00	0	0	0	329	0
	19	0.00	0	0	8	543	0		19	0.00	0	0	0	329	0		19	0.00	0	0	0	329	0
	20	0.00	0	0	8	554	0		20	0.00	0	0	0	329	0		20	0.00	0	0	0	329	0
	21	0.00	0	0	8	554	0		21	0.00	0	0	0	329	0		21	0.00	0	0	0	329	0
	22	0.00	0	0	8	536	0		22	0.00	0	0	0	329	0		22	0.00	0	0	0	329	0
	23	0.00	0	0	8	461	0		23	0.00	0	0	0	329	0		23	0.00	0	0	0	329	0

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1 -----	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1 -----	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1 -----	E4V1 -----
JAN 31	0	0.00	0	0	0	329	0	FEB 2	0	0.01	0	-1	297	3129	27	FEB 4	0	0.00	0	0	114	2867	53
	1	0.00	0	0	0	329	0		1	0.03	0	-1	141	4368	34		1	0.00	0	0	114	2643	53
	2	0.00	0	0	0	329	0		2	0.04	0	-1	179	4188	35		2	0.00	0	0	115	2528	53
	3	0.00	0	0	0	329	0		3	0.00	0	-1	242	5054	35		3	0.00	0	0	95	2439	53
	4	0.00	0	0	0	329	0		4	0.00	0	-1	161	5355	35		4	0.00	0	0	76	2345	53
	5	0.00	0	0	0	329	0		5	0.00	0	-1	126	4547	34		5	0.00	0	0	77	2264	53
	6	0.00	0	0	0	329	0		6	0.02	0	-1	151	3896	21		6	0.01	0	0	76	2209	53
	7	0.00	0	0	0	329	0		7	0.02	0	-1	214	3793	17		7	0.00	0	0	88	2172	53
	8	0.00	0	0	0	329	0		8	0.00	0	-1	171	4097	17		8	0.00	0	0	84	2152	53
	9	0.00	0	0	0	329	0		9	0.01	0	-1	152	3937	18		9	0.00	0	0	83	2121	53
	10	0.00	0	0	0	329	0		10	0.00	0	-1	152	3551	17		10	0.00	0	0	82	2101	53
	11	0.00	0	0	0	329	0		11	0.01	0	-1	154	3435	17		11	0.00	0	0	81	2118	53
	12	0.00	0	0	0	329	0		12	0.00	0	-1	233	3471	18		12	0.00	0	0	81	2118	52
	13	0.00	0	0	0	329	0		13	0.03	0	0	367	4017	17		13	0.00	0	0	84	2161	50
	14	0.00	0	0	0	322	0		14	0.05	0	0	644	4791	20		14	0.00	0	0	84	2206	43
	15	0.00	0	0	0	319	0		15	0.06	0	0	1139	7615	38		15	0.00	0	0	79	2189	35
	16	0.00	0	0	0	329	0		16	0.05	0	0	3512	11582	64		16	0.00	0	0	76	2169	35
	17	0.00	0	0	0	329	0		17	0.02	0	0	4766	17006	101		17	0.00	0	0	76	2093	35
	18	0.00	0	0	0	329	0		18	0.01	0	0	4581	17393	107		18	0.00	0	0	76	2023	35
	19	0.00	0	0	0	320	0		19	0.01	0	0	-1	15556	106		19	0.00	0	0	76	1970	35
	20	0.00	0	0	0	329	0		20	0.00	0	0	-1	13658	106		20	0.00	0	0	76	1951	35
	21	0.00	0	0	0	329	0		21	0.00	0	0	-1	11797	103		21	0.00	0	0	76	1861	35
	22	0.00	0	0	0	322	0		22	0.00	0	0	-1	10011	90		22	0.00	0	0	76	1839	35
	23	0.00	0	0	0	328	0		23	0.00	0	0	-1	8645	88		23	0.00	0	0	76	1804	35
FEB 1	0	0.00	0	0	0	329	0	FEB 3	0	0.00	0	0	-1	8022	88	FEB 5	0	0.00	0	0	76	1807	35
	1	0.00	0	0	0	329	0		1	0.00	0	0	-1	6977	88		1	0.00	0	0	76	1791	36
	2	0.00	0	0	0	320	0		2	0.01	0	0	-1	6288	77		2	0.00	0	0	76	1743	35
	3	0.00	0	0	0	329	0		3	0.00	0	0	-1	5810	70		3	0.00	0	0	76	1695	35
	4	0.00	0	0	0	337	0		4	0.00	0	0	-1	5466	70		4	0.00	0	0	76	1664	35
	5	0.00	0	0	0	417	0		5	0.00	0	0	-1	5103	70		5	0.00	0	0	76	1648	35
	6	0.00	0	-1	0	543	0		6	0.00	0	0	-1	4868	71		6	0.00	0	0	76	1646	35
	7	0.04	0	-1	0	788	0		7	0.00	0	0	-1	4533	70		7	0.00	0	0	76	1659	35
	8	0.11	0	-1	0	1116	1		8	0.00	0	0	-1	4279	63		8	0.00	0	0	76	1646	33
	9	0.07	0	-1	27	1343	57		9	0.01	0	0	-1	4072	53		9	0.00	0	0	76	1648	21
	10	0.04	0	-1	45	1773	66		10	0.00	0	0	-1	4013	53		10	0.00	0	0	88	1646	18
	11	0.01	0	45	146	2169	69		11	0.00	0	0	-1	4125	53		11	0.01	0	0	78	1646	18
	12	0.00	0	38	53	2372	45		12	0.00	0	0	-1	4347	53		12	0.02	0	0	90	1646	17
	13	0.01	0	38	38	2099	31		13	0.00	0	0	335	4729	53		13	0.01	0	0	115	1646	18
	14	0.03	0	38	38	1883	18		14	0.01	0	0	307	4950	53		14	0.02	0	0	109	1661	12
	15	0.01	0	39	38	1751	17		15	0.00	0	0	288	5103	53		15	0.01	0	0	163	1646	17
	16	0.01	0	38	73	1748	18		16	0.00	0	0	283	5378	53		16	0.00	0	0	166	1711	19
	17	0.00	0	-1	51	1891	18		17	0.00	0	0	214	4979	53		17	0.01	0	0	124	1804	31
	18	0.00	0	-1	38	1802	12		18	0.00	0	0	170	4519	53		18	0.02	0	0	122	1818	35
	19	0.00	0	-1	29	1672	18		19	0.00	0	0	152	4107	53		19	0.00	0	0	173	1875	35
	20	0.00	0	-1	0	1607	16		20	0.00	0	0	153	3824	53		20	0.00	0	0	129	2152	35
	21	0.03	0	-1	0	1335	16		21	0.00	0	0	127	3658	53		21	0.00	0	0	114	1973	35
	22	0.07	0	-1	19	1244	16		22	0.00	0	0	114	3336	53		22	0.03	0	0	84	1826	35
	23	0.05	0	-1	173	1646	17		23	0.00	0	0	115	3075	53		23	0.06	0	0	130	1807	35

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	Elf1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	Elf1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	Elf1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
FEB 6	0	0.03	0	0	481	2276	50	FEB 8	0	0.00	0	0	76	1630	35	FEB 10	0	0.00	0	0	38	1287	35
	1	0.01	0	0	443	4135	77		1	0.00	0	0	76	1630	35		1	0.00	0	0	38	1246	35
	2	0.02	0	0	255	6173	75		2	0.00	0	0	76	1630	35		2	0.00	0	0	38	1227	35
	3	0.03	0	0	203	5508	123		3	0.00	0	0	76	1630	35		3	0.00	0	0	38	1213	35
	4	0.04	0	0	288	5566	136		4	0.00	0	0	76	1630	35		4	0.00	0	0	38	1199	35
	5	0.02	0	0	365	7122	156		5	0.00	0	0	76	1630	35		5	0.00	0	0	38	1187	33
	6	0.02	0	0	301	8455	174		6	0.00	0	0	76	1630	35		6	0.00	0	0	38	1185	33
	7	0.03	0	0	308	8371	187		7	0.00	0	0	76	1630	35		7	0.00	0	0	38	1185	33
	8	0.01	0	0	296	9141	197		8	0.00	0	0	76	1630	35		8	0.00	0	0	38	1185	31
	9	0.01	0	0	225	8711	195		9	0.00	0	0	76	1630	35		9	0.00	0	0	38	1185	29
	10	0.00	0	0	167	7500	193		10	0.00	0	0	76	1630	35		10	0.00	0	0	38	1185	21
	11	0.00	0	0	146	6437	179		11	0.00	0	0	76	1791	35		11	0.00	0	0	38	1185	20
	12	0.00	0	0	114	5485	164		12	0.00	0	0	76	1818	35		12	0.00	0	0	38	1197	20
	13	0.00	0	0	114	4762	154		13	0.00	0	0	76	1804	35		13	0.00	0	0	38	1607	18
	14	0.00	0	0	114	4290	141		14	0.00	0	0	76	1807	35		14	0.00	0	0	28	1646	17
	15	0.00	0	0	114	3934	138		15	0.00	0	0	76	1775	35		15	0.00	0	0	28	1646	18
	16	0.00	0	0	114	3574	124		16	0.00	0	0	38	1727	35		16	0.00	0	0	28	1646	18
	17	0.00	0	0	114	3252	114		17	0.00	0	0	38	1727	35		17	0.00	0	0	28	1646	17
	18	0.00	0	0	114	2999	106		18	0.00	0	0	38	1680	35		18	0.00	0	0	28	1648	18
	19	0.00	0	0	114	2858	102		19	0.00	0	0	38	1648	35		19	0.00	0	0	28	1646	18
	20	0.00	0	0	114	2698	88		20	0.00	0	0	38	1646	35		20	0.00	0	0	28	1659	17
	21	0.00	0	0	114	2534	88		21	0.00	0	0	38	1646	35		21	0.00	0	0	28	1646	18
	22	0.00	0	0	114	2404	87		22	0.00	0	0	38	1646	35		22	0.00	0	0	28	1646	18
	23	0.00	0	0	114	2363	77		23	0.00	0	0	38	1646	35		23	0.00	0	0	28	1646	17
FEB 7	0	0.00	0	0	114	2278	70	FEB 9	0	0.00	0	0	38	1646	36	FEB 11	0	0.00	0	0	28	1646	18
	1	0.00	0	0	114	2209	70		1	0.00	0	0	38	1646	35		1	0.00	0	0	28	1646	18
	2	0.00	0	0	114	2127	70		2	0.00	0	0	38	1646	35		2	0.00	0	0	28	1646	17
	3	0.00	0	0	114	2023	70		3	0.00	0	0	38	1586	35		3	0.00	0	0	28	1646	18
	4	0.00	0	0	76	1899	63		4	0.00	0	0	38	1530	35		4	0.00	0	0	28	1646	18
	5	0.00	0	0	76	1810	53		5	0.00	0	0	38	1492	35		5	0.00	0	0	28	1646	17
	6	0.00	0	0	76	1818	53		6	0.00	0	0	38	1437	35		6	0.00	0	0	28	1633	18
	7	0.00	0	0	76	1807	53		7	0.00	0	0	38	1365	35		7	0.00	0	0	28	1643	18
	8	0.00	0	0	76	1804	53		8	0.00	0	0	38	1357	35		8	0.00	0	0	28	1607	17
	9	0.00	0	0	76	1788	53		9	0.00	0	0	38	1365	35		9	0.00	0	0	28	1607	18
	10	0.00	0	0	76	1743	53		10	0.00	0	0	38	1459	35		10	0.00	0	0	28	1507	15
	11	0.00	0	0	76	1783	53		11	0.00	0	0	38	1532	35		11	0.00	0	0	28	1560	0
	12	0.00	0	0	76	1791	52		12	0.00	0	0	32	1568	35		12	0.00	0	0	28	1627	0
	13	0.00	0	0	76	1804	44		13	0.00	0	0	38	1553	36		13	0.00	0	0	28	1643	0
	14	0.00	0	0	76	1775	36		14	0.00	0	0	38	1578	35		14	0.00	0	0	28	1633	0
	15	0.00	0	0	76	1770	35		15	0.00	0	0	38	1584	35		15	0.00	0	0	28	1614	0
	16	0.00	0	0	76	1746	35		16	0.00	0	0	38	1584	35		16	0.00	0	0	28	1560	0
	17	0.00	0	0	76	1682	36		17	0.00	0	0	38	1530	35		17	0.00	0	0	28	1525	0
	18	0.00	0	0	76	1648	35		18	0.00	0	0	38	1469	35		18	0.00	0	0	28	1509	0
	19	0.00	0	0	76	1646	35		19	0.00	0	0	38	1457	35		19	0.00	0	0	28	1397	0
	20	0.00	0	0	76	1646	35		20	0.00	0	0	38	1437	35		20	0.00	0	0	28	1292	0
	21	0.00	0	0	76	1646	35		21	0.00	0	0	38	1328	35		21	0.00	0	0	28	1244	0
	22	0.00	0	0	76	1646	35		22	0.00	0	0	38	1249	35		22	0.00	0	0	28	1204	0
	23	0.00	0	0	76	1630	35		23	0.00	0	0	38	1287	35		23	0.00	0	0	28	1185	0



HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	EIF1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	EIF1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	
FEB 12	0	0.00	0	0	28	1185	0	FEB 14	0	0.00	0	0	0	1185	0	FEB 16	0	0.00	0	0	0	0	1244	0
	1	0.00	0	0	28	1185	0		1	0.00	0	0	0	1185	0		1	0.00	0	0	0	0	1253	0
	2	0.00	0	0	28	1185	0		2	0.00	0	0	0	1185	0		2	0.00	0	0	0	0	1206	0
	3	0.00	0	0	28	1185	0		3	0.00	0	0	0	1185	0		3	0.01	0	0	0	0	1213	0
	4	0.00	0	0	28	1185	0		4	0.00	0	0	0	1197	0		4	0.00	0	0	0	0	1185	0
	5	0.00	0	0	28	1185	0		5	0.00	0	0	0	1187	0		5	0.00	0	0	0	0	1208	0
	6	0.00	0	0	28	1185	0		6	0.00	0	0	0	1185	0		6	0.00	0	0	0	0	1227	0
	7	0.00	0	0	28	1185	0		7	0.00	0	0	0	1185	0		7	0.00	0	0	0	0	1215	0
	8	0.00	0	0	28	1185	0		8	0.00	0	0	0	1185	0		8	0.00	0	0	0	0	1201	0
	9	0.00	0	0	28	1185	0		9	0.00	0	0	0	1185	0		9	0.00	0	0	0	0	1185	0
	10	0.00	0	0	14	1185	0		10	0.00	0	0	0	1185	0		10	0.00	0	0	0	0	1185	0
	11	0.00	0	0	14	1185	0		11	0.00	0	0	0	1173	0		11	0.00	0	0	0	0	1185	0
	12	0.00	0	0	14	1185	0		12	0.00	0	0	0	1168	0		12	0.00	0	0	0	0	1185	0
	13	0.00	0	0	14	1185	0		13	0.00	0	0	0	1122	0		13	0.00	0	0	0	0	1197	0
	14	0.00	0	0	14	1185	0		14	0.00	0	0	0	1141	0		14	0.00	0	0	0	0	1199	0
	15	0.00	0	0	14	1185	0		15	0.00	0	0	0	1092	0		15	0.00	0	0	0	0	1187	0
	16	0.00	0	0	14	1185	0		16	0.00	0	0	0	1113	0		16	0.00	0	0	0	0	1211	0
	17	0.00	0	0	14	1185	0		17	0.00	0	0	0	1088	0		17	0.00	0	0	0	0	1199	0
	18	0.00	0	0	14	1185	0		18	0.00	0	0	0	1076	0		18	0.00	0	0	0	0	1187	0
	19	0.00	0	0	14	1185	0		19	0.00	0	0	0	1049	0		19	0.00	0	0	0	0	1199	0
	20	0.00	0	0	14	1185	0		20	0.00	0	0	0	1047	0		20	0.00	0	0	0	0	1185	0
	21	0.00	0	0	14	1185	0		21	0.00	0	0	0	1083	0		21	0.00	0	0	0	0	1199	0
	22	0.00	0	0	14	1185	0		22	0.00	0	0	0	1101	0		22	0.00	0	0	0	0	1185	0
	23	0.00	0	0	14	1185	0		23	0.00	0	0	0	1138	0		23	0.00	0	0	0	0	1185	0
FEB 13	0	0.00	0	0	14	1185	0	FEB 15	0	0.00	0	0	0	1120	0	FEB 17	0	0.01	0	0	0	0	1185	0
	1	0.00	0	0	14	1185	0		1	0.00	0	0	0	1079	0		1	0.03	0	0	0	0	1185	0
	2	0.00	0	0	14	1185	0		2	0.00	0	0	0	1072	0		2	0.01	0	0	0	0	1185	0
	3	0.00	0	0	14	1185	0		3	0.00	0	0	0	1060	0		3	0.00	0	0	0	0	1355	0
	4	0.00	0	0	14	1185	0		4	0.00	0	0	0	1049	0		4	0.00	0	0	0	0	1638	0
	5	0.00	0	0	14	1185	0		5	0.00	0	0	0	1036	0		5	0.00	0	0	0	0	1646	0
	6	0.00	0	0	14	1185	0		6	0.00	0	0	0	1045	0		6	0.00	0	0	0	0	1646	0
	7	0.00	0	0	14	1185	0		7	0.00	0	0	0	1058	0		7	0.00	0	0	0	-1	1633	0
	8	0.00	0	0	14	1185	0		8	0.00	0	0	0	1122	0		8	0.05	0	0	0	-1	1646	0
	9	0.00	0	0	14	1185	0		9	0.00	0	0	0	1230	0		9	0.00	0	0	0	-1	1656	0
	10	0.00	0	0	14	1185	0		10	0.02	0	0	42	1614	0		10	0.02	0	0	0	-1	1794	0
	11	0.00	0	0	14	1185	0		11	0.02	0	0	66	1698	0		11	0.01	0	0	0	-1	1807	0
	12	0.00	0	0	14	1185	0		12	0.00	0	0	0	1802	0		12	0.00	0	0	0	-1	1818	0
	13	0.00	0	0	14	1185	0		13	0.00	0	0	0	1794	0		13	0.00	0	0	0	-1	1804	0
	14	0.00	0	0	14	1185	0		14	0.00	0	0	0	1669	0		14	0.00	0	0	0	-1	1820	0
	15	0.00	0	0	14	1185	0		15	0.00	0	0	0	1646	0		15	0.01	0	0	0	-1	1804	0
	16	0.00	0	0	0	1185	0		16	0.01	0	0	0	1633	0		16	0.08	0	0	0	-1	1875	0
	17	0.00	0	0	0	1185	0		17	0.00	0	0	0	1550	0		17	0.06	0	0	0	-1	2942	1
	18	0.00	0	0	0	1185	0		18	0.00	0	0	0	1439	0		18	0.04	0	0	0	-1	5185	16
	19	0.00	0	0	0	1185	0		19	0.00	0	0	0	1321	0		19	0.02	0	0	0	-1	7084	18
	20	0.00	0	0	0	1185	0		20	0.00	0	0	0	1299	0		20	0.02	0	0	0	-1	7344	28
	21	0.00	0	0	0	1185	0		21	0.00	0	0	0	1287	0		21	0.07	0	0	0	-1	7331	44
	22	0.00	0	0	0	1185	0		22	0.00	0	0	0	1285	0		22	0.00	0	0	0	-1	10334	69
	23	0.00	0	0	0	1185	0		23	0.00	0	0	0	1256	0		23	0.01	0	0	0	-1	9605	86

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HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP	E1F1	E4F1	E4F2	E3C1	E4V1
		(IN/HR)	----- (CUBIC FEET/HR) -----							(IN/HR)	----- (CUBIC FEET/HR) -----							(IN/HR)	----- (CUBIC FEET/HR) -----				
FEB 18	0	0.00	0	0	-1	7988	88	FEB 20	0	0.00	0	0	56	4020	70	FEB 22	0	0.00	0	0	38	2357	15
	1	0.01	0	0	-1	7126	88		1	0.00	0	0	56	3941	66		1	0.00	0	0	38	2360	15
	2	0.01	0	0	-1	6583	88		2	0.00	0	0	56	3797	61		2	0.00	0	0	38	2342	15
	3	0.01	0	0	-1	6169	88		3	0.00	0	0	56	3712	53		3	0.00	0	0	38	2374	15
	4	0.02	0	0	-1	5979	88		4	0.00	0	0	56	3648	53		4	0.00	0	0	38	2363	15
	5	0.00	0	0	-1	6300	88		5	0.00	0	0	56	3571	53		5	0.00	0	0	38	2392	15
	6	0.02	0	0	-1	7281	92		6	0.00	0	0	56	3564	53		6	0.00	0	0	38	2395	15
	7	0.03	0	0	-1	7415	106		7	0.00	0	0	56	3494	53		7	0.02	0	0	85	2439	15
	8	0.00	0	0	-1	7841	100		8	0.00	0	0	56	3375	53		8	0.10	0	0	281	2802	15
	9	0.04	0	0	-1	8751	95		9	0.00	0	0	56	3310	52		9	0.00	0	0	153	3958	15
	10	0.07	0	0	-1	10974	95		10	0.00	0	0	56	3252	53		10	0.00	0	0	113	3773	15
	11	0.07	0	0	633	17833	152		11	0.00	0	0	56	3248	53		11	0.00	0	0	76	3408	15
	12	0.00	0	0	468	25093	211		12	0.00	0	0	56	3213	49		12	0.00	0	0	76	3206	15
	13	0.00	0	0	192	22541	196		13	0.00	0	0	56	3190	36		13	0.00	0	0	76	3097	15
	14	0.00	0	0	153	17194	183		14	0.00	0	0	56	3158	35		14	0.01	0	0	76	3094	15
	15	0.00	0	0	142	13596	156		15	0.00	0	0	56	3116	36		15	0.00	0	0	76	3113	15
	16	0.00	0	0	114	11533	150		16	0.00	0	0	56	3113	35		16	0.00	0	0	76	3094	15
	17	0.01	0	0	114	10058	135		17	0.00	0	0	56	3094	22		17	0.00	0	0	50	3094	18
	18	0.00	0	0	114	8925	123		18	0.00	0	0	56	3059	18		18	0.00	0	0	38	2958	18
	19	0.00	0	0	114	8122	117		19	0.00	0	0	56	3040	17		19	0.01	0	0	38	2905	17
	20	0.00	0	0	114	7632	105		20	0.00	0	0	56	3002	15		20	0.00	0	0	38	2855	18
	21	0.00	0	0	114	7126	105		21	0.00	0	0	56	2980	15		21	0.00	0	0	38	2814	17
	22	0.00	0	0	101	6766	92		22	0.00	0	0	56	2945	15		22	0.00	0	0	38	2762	17
	23	0.00	0	0	94	6518	84		23	0.00	0	0	56	2942	15		23	0.00	0	0	38	2704	18
FEB 19	0	0.01	0	0	82	6125	87	FEB 21	0	0.00	0	0	56	2873	15	FEB 23	0	0.00	0	0	38	2682	17
	1	0.02	0	0	105	5849	71		1	0.00	0	0	56	2852	15		1	0.00	0	0	38	2701	17
	2	0.03	0	0	114	5783	70		2	0.00	0	0	56	2814	15		2	0.00	0	0	38	2682	18
	3	0.02	0	0	169	5884	70		3	0.00	0	0	56	2793	15		3	0.00	0	0	38	2649	18
	4	0.00	0	0	266	6939	70		4	0.00	0	0	56	2759	15		4	0.00	0	0	38	2613	17
	5	0.00	0	0	206	8144	70		5	0.00	0	0	56	2740	15		5	0.00	0	0	38	2576	18
	6	0.00	0	0	152	7940	71		6	0.00	0	0	56	2685	15		6	0.00	0	0	38	2591	18
	7	0.00	0	0	152	7386	74		7	0.00	0	0	38	2649	15		7	0.00	0	0	38	2640	17
	8	0.00	0	0	118	6927	70		8	0.00	0	0	38	2597	15		8	0.00	0	0	38	2628	18
	9	0.00	0	0	114	6619	70		9	0.00	0	0	38	2540	15		9	0.00	0	0	38	2631	18
	10	0.00	0	0	114	6216	71		10	0.00	0	0	38	2537	15		10	0.00	0	0	38	2643	17
	11	0.00	0	0	114	5943	71		11	0.00	0	0	38	2552	15		11	0.00	0	0	38	2616	18
	12	0.00	0	0	114	5794	171		12	0.00	0	0	38	2555	15		12	0.00	0	0	38	2591	18
	13	0.00	0	0	114	5612	171		13	0.00	0	0	38	2558	15		13	0.00	0	0	38	2591	17
	14	0.00	0	0	114	5409	71		14	0.00	0	0	38	2570	15		14	0.00	0	0	38	2555	18
	15	0.00	0	0	114	5264	71		15	0.00	0	0	38	2558	15		15	0.00	0	0	38	2555	18
	16	0.00	0	0	114	5106	71		16	0.00	0	0	38	2537	15		16	0.00	0	0	38	2570	17
	17	0.00	0	0	114	4968	71		17	0.00	0	0	38	2505	15		17	0.00	0	0	38	2543	18
	18	0.00	0	0	114	4879	71		18	0.00	0	0	38	2502	15		18	0.00	0	0	38	2537	18
	19	0.00	0	0	85	4714	71		19	0.00	0	0	38	2421	15		19	0.00	0	0	38	2600	17
	20	0.00	0	0	77	4540	70		20	0.00	0	0	38	2395	15		20	0.00	0	0	38	2631	18
	21	0.00	0	0	56	4382	71		21	0.00	0	0	38	2360	15		21	0.00	0	0	38	2628	18
	22	0.00	0	0	56	4230	70		22	0.00	0	0	38	2345	15		22	0.00	0	0	38	2594	17
	23	0.00	0	0	56	4128	70		23	0.00	0	0	38	2328	15		23	0.00	0	0	38	2540	18

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	ElF1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	ElF1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	ElF1	E4F1	E4F2	E3C1	E4V1
		----- (CUBIC FEET/HR) -----								----- (CUBIC FEET/HR) -----								----- (CUBIC FEET/HR) -----					
FEB 24	0	0.00	0	0	38	2537	18	FEB 26	0	0.06	0	0	537	11407	194	FEB 28	0	0.03	0	0	187	4902	105
	1	0.00	0	0	38	2537	17		1	0.02	0	0	305	13067	218		1	0.01	0	0	181	5291	106
	2	0.03	0	0	77	2552	18		2	0.00	0	0	248	11924	228		2	0.00	0	0	153	5314	106
	3	0.00	0	0	76	2740	18		3	0.00	0	0	193	9863	217		3	0.00	0	0	116	5013	105
	4	0.00	0	0	49	2756	17		4	0.00	0	0	191	8782	211		4	0.00	0	0	115	4776	106
	5	0.01	0	0	38	2722	18		5	0.00	0	0	160	7850	202		5	0.00	0	0	114	4656	106
	6	0.01	0	0	74	2701	18		6	0.00	0	0	153	7047	193		6	0.00	0	0	114	4576	106
	7	0.01	0	0	76	2768	17		7	0.00	0	0	152	6514	178		7	0.00	0	0	114	4333	106
	8	0.02	0	0	80	2861	18		8	0.00	0	0	156	6161	168		8	0.00	0	0	114	4188	106
	9	0.04	0	0	115	3049	18		9	0.00	0	0	190	5979	158		9	0.00	0	0	79	4024	105
	10	0.01	0	0	140	3392	17		10	0.00	0	0	162	5931	156		10	0.00	0	0	79	3920	105
	11	0.00	0	0	92	3807	18		11	0.00	0	0	152	5794	126		11	0.00	0	0	79	3817	100
	12	0.00	0	0	76	3644	18		12	0.00	0	0	114	5593	97		12	0.00	0	0	79	3695	89
	13	0.00	0	0	76	3245	17		13	0.01	0	0	114	5298	88		13	0.00	0	0	79	3769	88
	14	0.00	0	0	75	1756	13		14	0.00	0	0	114	5091	87		14	0.00	0	0	79	3999	88
	15	0.00	0	0	38	1646	16		15	0.00	0	0	114	5009	88		15	0.00	0	0	79	3903	88
	16	0.00	0	0	38	1648	17		16	0.00	0	0	114	4861	87		16	0.00	0	0	79	3665	88
	17	0.00	0	0	38	1646	17		17	0.00	0	0	114	4729	74		17	0.00	0	0	79	3444	88
	18	0.00	0	0	38	1646	18		18	0.00	0	0	114	4501	70		18	0.00	0	0	79	3317	88
	19	0.00	0	0	38	1646	17		19	0.00	0	0	114	4343	70		19	0.00	0	0	79	3300	88
	20	0.00	0	0	38	1589	17		20	0.01	0	0	114	4230	70		20	0.00	0	0	79	3242	88
	21	0.00	0	0	38	1543	18		21	0.03	0	0	114	4121	70		21	0.00	0	0	79	3155	88
	22	0.00	0	0	38	1482	17		22	0.01	0	0	187	4297	71		22	0.00	0	0	79	3132	88
	23	0.00	0	0	38	1449	18		23	0.00	0	0	160	4957	70		23	0.00	0	0	79	3065	87
FEB 25	0	0.00	0	0	38	1417	18	FEB 27	0	0.00	0	0	153	4957	69	FEB 29	0	0.00	0	0	79	2983	81
	1	0.00	0	0	38	1444	17		1	0.00	0	0	133	4795	70		1	0.00	0	0	79	2930	70
	2	0.00	0	0	38	1392	18		2	0.00	0	0	115	4602	70		2	0.00	0	0	79	2852	70
	3	0.00	0	0	38	1375	18		3	0.00	0	0	120	4407	69		3	0.00	0	0	79	2852	70
	4	0.00	0	0	38	1384	11		4	0.04	0	0	167	4425	61		4	0.00	0	0	79	2814	70
	5	0.00	0	0	38	1402	18		5	0.00	0	0	177	4850	66		5	0.00	0	0	79	2759	71
	6	0.00	0	0	38	1372	18		6	0.01	0	0	153	5095	66		6	0.00	0	0	79	2725	70
	7	0.00	0	0	38	1360	17		7	0.00	0	0	152	4957	68		7	0.00	0	0	79	2664	70
	8	0.00	0	0	38	1345	18		8	0.00	0	0	118	4733	62		8	0.00	0	0	79	2634	70
	9	0.00	0	0	38	1343	18		9	0.00	0	0	114	4533	58		9	0.00	0	0	79	2576	70
	10	0.00	0	0	38	1340	18		10	0.01	0	0	114	4443	102		10	0.00	0	0	79	2606	71
	11	0.03	0	0	65	1343	18		11	0.00	0	0	114	4361	106		11	0.00	0	0	79	2606	70
	12	0.01	0	0	78	1474	17		12	0.00	0	0	114	4216	106		12	0.00	0	0	79	2628	70
	13	0.06	0	0	203	1690	17		13	0.00	0	0	114	4121	103		13	0.00	0	0	79	2613	70
	14	0.06	0	0	318	2522	29		14	0.02	0	0	141	4058	106		14	0.00	0	0	79	2643	65
	15	0.02	0	0	216	3658	35		15	0.02	0	0	165	4336	105		15	0.00	0	0	79	2552	54
	16	0.02	0	0	286	3803	35		16	0.00	0	0	152	4631	106		16	0.00	0	0	79	2144	53
	17	0.05	0	0	295	4799	40		17	0.01	0	0	152	4678	106		17	0.00	0	0	79	2093	48
	18	0.05	0	0	303	5512	53		18	0.02	0	0	176	4714	105		18	0.00	0	0	79	2054	35
	19	0.01	0	0	213	5826	67		19	0.00	0	0	152	4902	105		19	0.00	0	0	79	2034	35
	20	0.05	0	0	327	5728	82		20	0.00	0	0	145	4799	105		20	0.00	0	0	79	2004	35
	21	0.03	0	0	297	6787	98		21	0.01	0	0	146	4681	105		21	0.00	0	0	79	1973	35
	22	0.03	0	0	302	7760	119		22	0.00	0	0	116	4674	105		22	0.00	0	0	79	1888	35
	23	0.06	0	0	451	8667	146		23	0.02	0	0	132	4634	105		23	0.00	0	0	79	1885	35

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----			
MAR	1	0	0.00	0	0	79	1842	35	MAR	3	0	0.00	0	0	38	1429	18	MAR	5	0	0.00	0	0	38	925	0
	1	0.00	0	0	79	1837	36		1	0.00	0	0	38	1373	17		1	0.01	0	0	38	925	0			
	2	0.00	0	0	79	1820	35		2	0.00	0	0	38	1373	17		2	0.03	0	0	38	925	0			
	3	0.00	0	0	79	1804	35		3	0.00	0	0	38	1373	18		3	0.03	0	0	63	925	0			
	4	0.00	0	0	79	1820	35		4	0.00	0	0	38	1373	17		4	0.02	0	0	88	1373	0			
	5	0.00	0	0	79	1804	35		5	0.00	0	0	38	1373	17		5	0.01	0	0	77	1875	0			
	6	0.00	0	0	79	1807	35		6	0.00	0	0	38	1373	18		6	0.04	0	0	76	2532	0			
	7	0.00	0	0	79	1818	35		7	0.00	0	0	38	1373	17		7	0.04	0	0	81	3132	0			
	8	0.00	0	0	79	1804	35		8	0.00	0	0	38	1373	17		8	0.04	0	0	154	3541	0			
	9	0.00	0	0	79	1875	35		9	0.00	0	0	38	1373	14		9	0.02	0	0	156	4230	0			
	10	0.00	0	0	79	1875	35		10	0.00	0	0	38	1373	0		10	0.00	0	0	110	4397	0			
	11	0.00	0	0	38	1875	35		11	0.00	0	0	38	1294	0		11	0.02	0	0	101	4202	0			
	12	0.00	0	0	38	1875	35		12	0.00	0	0	38	1294	0		12	0.00	0	0	76	4024	0			
	13	0.00	0	0	38	1875	35		13	0.00	0	0	38	1294	0		13	0.00	0	0	58	3810	0			
	14	0.00	0	0	38	1875	36		14	0.00	0	0	38	1294	0		14	0.05	0	0	51	3577	0			
	15	0.00	0	0	38	1875	35		15	0.00	0	0	38	1294	0		15	0.00	0	0	104	3732	0			
	16	0.00	0	0	38	1875	35		16	0.00	0	0	38	1294	0		16	0.00	0	0	77	4051	0			
	17	0.00	0	0	38	1875	36		17	0.00	0	0	38	1294	0		17	0.00	0	0	76	3810	0			
	18	0.00	0	0	38	1875	32		18	0.00	0	0	38	1294	0		18	0.00	0	0	76	3564	0			
	19	0.00	0	0	38	1649	26		19	0.00	0	0	38	1294	0		19	0.00	0	0	54	3379	0			
	20	0.00	0	0	38	1649	18		20	0.00	0	0	38	1294	0		20	0.00	0	0	38	3255	0			
	21	0.00	0	0	38	1649	18		21	0.00	0	0	38	1203	0		21	0.00	0	0	38	3145	1			
	22	0.00	0	0	38	1649	18		22	0.00	0	0	38	1203	0		22	0.00	0	0	38	3078	2			
	23	0.00	0	0	38	1649	17		23	0.00	0	0	38	1203	0		23	0.00	0	0	38	2986	0			
MAR	2	0	0.00	0	0	38	1649	18	MAR	4	0	0.00	0	0	38	1203	0	MAR	6	0	0.00	0	0	38	2945	0
	1	0.00	0	0	38	1649	18		1	0.00	0	0	38	1203	0		1	0.00	0	0	37	2892	0			
	2	0.00	0	0	38	1649	17		2	0.00	0	0	38	1203	0		2	0.00	0	0	31	2886	0			
	3	0.00	0	0	38	1649	18		3	0.00	0	0	38	1203	0		3	0.00	0	0	27	2736	0			
	4	0.00	0	0	38	1649	18		4	0.00	0	0	38	1125	0		4	0.00	0	0	27	2616	0			
	5	0.00	0	0	38	1563	17		5	0.00	0	0	38	1125	0		5	0.00	0	0	14	2555	0			
	6	0.00	0	0	38	1563	18		6	0.00	0	0	38	1125	0		6	0.00	0	0	0	2325	0			
	7	0.00	0	0	38	1563	18		7	0.00	0	0	38	1125	0		7	0.00	0	0	0	2276	1			
	8	0.00	0	0	38	1563	17		8	0.00	0	0	38	1125	0		8	0.00	0	0	0	2152	0			
	9	0.00	0	0	38	1563	18		9	0.00	0	0	38	1125	0		9	0.00	0	0	0	2023	0			
	10	0.00	0	0	38	1563	18		10	0.00	0	0	38	1125	0		10	0.00	0	0	0	1889	0			
	11	0.00	0	0	38	1563	17		11	0.00	0	0	38	1125	0		11	0.00	0	0	0	1794	0			
	12	0.00	0	0	38	1563	18		12	0.00	0	0	38	1125	0		12	0.00	0	0	0	1689	0			
	13	0.00	0	0	38	1563	18		13	0.00	0	0	38	1125	0		13	0.00	0	0	0	1536	0			
	14	0.01	0	0	38	1563	17		14	0.00	0	0	38	1026	0		14	0.00	0	0	0	1536	0			
	15	0.01	0	0	38	1429	18		15	0.00	0	0	38	1026	0		15	0.00	0	0	0	1536	0			
	16	0.00	0	0	38	1429	17		16	0.00	0	0	38	1026	0		16	0.00	0	0	0	1536	0			
	17	0.00	0	0	38	1429	17		17	0.00	0	0	38	1026	0		17	0.00	0	0	0	1536	0			
	18	0.00	0	0	38	1429	18		18	0.00	0	0	38	1026	0		18	0.00	0	0	0	1536	0			
	19	0.00	0	0	38	1429	12		19	0.00	0	0	38	1026	0		19	0.00	0	0	0	1536	0			
	20	0.00	0	0	38	1429	17		20	0.00	0	0	38	1026	0		20	0.00	0	0	0	1536	0			
	21	0.00	0	0	38	1429	18		21	0.00	0	0	38	1026	0		21	0.00	0	0	0	1265	0			
	22	0.00	0	0	38	1429	18		22	0.00	0	0	38	1026	0		22	0.00	0	0	0	1265	0			
	23	0.00	0	0	38	1429	17		23	0.00	0	0	38	1026	0		23	0.00	0	0	0	1265	0			

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
MAR 7	0	0.00	0	0	0	1265	0	MAR 9	0	0.00	0	0	0	589	0	MAR 11	0	0.00	0	0	0	1047	90
	1	0.00	0	0	0	1265	0		1	0.00	0	0	0	574	0		1	0.00	0	0	0	943	93
	2	0.00	0	0	0	1265	0		2	0.00	0	0	0	578	0		2	0.00	0	0	0	721	117
	3	0.00	0	0	0	1265	0		3	0.00	0	0	0	576	0		3	0.00	0	0	0	654	146
	4	0.00	0	0	0	1265	0		4	0.00	0	0	0	567	0		4	0.00	0	0	0	656	163
	5	0.00	0	0	0	1265	0		5	0.00	0	0	0	574	0		5	0.00	0	0	0	646	161
	6	0.00	0	0	0	1265	0		6	0.00	0	0	0	565	0		6	0.00	0	0	0	656	173
	7	0.00	0	0	0	825	0		7	0.00	0	0	0	556	0		7	0.01	0	0	0	654	168
	8	0.00	0	0	0	825	0		8	0.00	0	0	0	565	0		8	0.01	0	0	0	646	166
	9	0.00	0	0	0	825	0		9	0.00	0	0	0	565	0		9	0.03	0	0	0	656	148
	10	0.00	0	0	0	825	0		10	0.00	0	0	0	585	0		10	0.00	0	0	0	654	136
	11	0.00	0	0	0	825	0		11	0.00	0	0	0	608	0		11	0.02	0	0	20	844	-1
	12	0.00	0	0	0	825	0		12	0.00	0	0	0	621	0		12	0.00	0	0	19	1047	-1
	13	0.00	0	0	0	825	0		13	0.00	0	0	0	641	0		13	0.06	0	0	73	1131	-1
	14	0.00	0	0	0	825	0		14	0.00	0	0	0	635	0		14	0.01	0	0	48	1497	-1
	15	0.00	0	0	0	825	0		15	0.00	0	0	0	610	0		15	0.00	0	0	32	1581	-1
	16	0.00	0	0	0	825	0		16	0.00	0	0	0	601	0		16	0.00	0	0	0	1225	-1
	17	0.00	0	0	0	646	0		17	0.00	0	0	0	589	0		17	0.00	0	0	0	1199	-1
	18	0.00	0	0	0	656	0		18	0.00	0	0	0	556	0		18	0.00	0	0	0	1150	-1
	19	0.00	0	0	0	654	0		19	0.00	0	0	0	543	0		19	0.03	0	0	0	1113	-1
	20	0.00	0	0	0	646	0		20	0.00	0	0	0	543	0		20	0.00	0	0	0	1180	-1
	21	0.00	0	0	0	656	0		21	0.00	0	0	0	534	0		21	0.01	0	0	0	1185	-1
	22	0.00	0	0	0	654	0		22	0.00	0	0	0	543	0		22	0.02	0	0	0	1185	-1
	23	0.00	0	0	0	656	0		23	0.00	0	0	0	532	0		23	0.01	0	0	0	1185	-1
MAR 8	0	0.00	0	0	0	646	0	MAR 10	0	0.00	0	0	0	543	0	MAR 12	0	0.00	0	0	0	1185	-1
	1	0.00	0	0	0	656	0		1	0.00	0	0	0	532	0		1	0.00	0	0	0	1185	-1
	2	0.00	0	0	0	654	0		2	0.00	0	0	0	543	0		2	0.00	0	0	0	1185	-1
	3	0.00	0	0	0	646	0		3	0.00	0	0	0	552	0		3	0.00	0	0	0	1185	0
	4	0.00	0	0	0	656	0		4	0.00	0	0	0	545	0		4	0.00	0	0	0	1185	0
	5	0.00	0	0	0	654	0		5	0.00	0	0	0	552	0		5	0.00	0	0	0	1185	0
	6	0.00	0	0	0	646	0		6	0.00	0	0	0	554	0		6	0.00	0	0	0	1185	0
	7	0.00	0	0	0	656	0		7	0.00	0	0	0	556	0		7	0.00	0	0	0	1185	0
	8	0.00	0	0	0	654	0		8	0.00	0	0	0	543	0		8	0.00	0	0	0	1185	0
	9	0.00	0	0	0	646	0		9	0.00	0	0	0	552	0		9	0.00	0	0	0	1185	0
	10	0.00	0	0	0	656	0		10	0.00	0	0	0	563	0		10	0.00	0	0	0	1011	0
	11	0.00	0	0	0	656	0		11	0.00	0	0	0	576	0		11	0.00	0	0	0	943	0
	12	0.00	0	0	0	654	0		12	0.00	0	0	0	606	0		12	0.00	0	0	0	917	0
	13	0.00	0	0	0	646	0		13	0.00	0	0	0	654	1		13	0.00	0	0	0	906	0
	14	0.00	0	0	0	656	0		14	0.01	0	0	0	644	0		14	0.00	0	0	0	934	0
	15	0.00	0	0	0	654	0		15	0.03	0	0	0	654	0		15	0.00	0	0	0	940	0
	16	0.00	0	0	0	646	0		16	0.04	0	0	0	656	6		16	0.01	0	0	0	954	0
	17	0.00	0	0	0	656	0		17	0.02	0	0	0	745	69		17	0.01	0	0	0	965	0
	18	0.00	0	0	0	654	0		18	0.05	0	0	0	1033	68		18	0.01	0	0	0	1015	0
	19	0.00	0	0	0	646	0		19	0.03	0	0	0	1047	69		19	0.04	0	0	0	1045	0
	20	0.00	0	0	0	656	0		20	0.00	0	0	1	1060	64		20	0.12	0	0	117	1328	2
	21	0.00	0	0	0	625	0		21	0.02	0	0	38	1047	75		21	0.02	0	0	316	3359	18
	22	0.00	0	0	0	589	0		22	0.00	0	0	39	1047	74		22	0.00	0	0	89	4994	18
	23	0.00	0	0	0	619	0		23	0.00	0	0	34	1033	91		23	0.00	0	0	48	3474	18

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	ELF1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	ELF1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	ELF1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1
MAR 13	0	0.00	0	0	38	2661	18	MAR 15	0	0.00	0	0	221	2307	105	MAR 17	0	0.00	0	0	114	656	35
	1	0.00	0	0	38	2278	18		1	0.00	0	0	208	2104	93		1	0.00	0	0	114	654	35
	2	0.03	0	0	53	2093	17		2	0.01	0	0	191	1962	88		2	0.00	0	0	129	646	35
	3	0.00	0	0	44	2218	18		3	0.00	0	0	190	1858	88		3	0.00	0	0	140	666	36
	4	0.04	0	0	120	2445	18		4	0.00	0	0	213	1818	88		4	0.01	0	0	155	668	35
	5	0.03	0	0	77	2824	17		5	0.01	0	0	229	1853	86		5	0.01	0	0	185	908	35
	6	0.03	0	0	160	2864	20		6	0.03	0	0	225	1823	72		6	0.01	0	0	158	1047	35
	7	0.01	0	0	-1	3078	24		7	0.01	0	0	229	1864	70		7	0.00	0	0	152	910	35
	8	0.02	0	0	-1	3161	35		8	0.04	0	0	267	2071	79		8	0.00	0	0	137	703	35
	9	0.01	0	0	-1	3557	35		9	0.04	0	0	374	2610	88		9	0.00	0	0	114	654	26
	10	0.00	0	0	-1	3571	35		10	0.00	0	0	258	2606	88		10	0.00	0	0	114	646	18
	11	0.00	0	0	-1	3216	35		11	0.00	0	0	154	2270	88		11	0.00	0	0	114	656	18
	12	0.00	0	0	-1	3034	35		12	0.00	0	0	190	1877	87		12	0.00	0	0	114	656	17
	13	0.00	0	0	-1	2845	35		13	0.02	0	0	221	1979	88		13	0.00	0	0	114	654	17
	14	0.04	0	0	-1	2753	46		14	0.10	0	0	219	2270	95		14	0.00	0	0	114	646	18
	15	0.00	0	0	-1	3206	50		15	0.00	0	0	552	4432	106		15	0.01	0	0	114	656	17
	16	0.02	0	0	-1	3303	53		16	0.00	0	0	264	4436	106		16	0.00	0	0	156	654	17
	17	0.03	0	0	-1	3415	53		17	0.00	0	0	219	3284	106		17	0.13	0	0	587	1143	32
	18	0.02	0	0	-1	3841	53		18	0.00	0	0	202	2805	106		18	0.03	0	0	425	2519	35
	19	0.04	0	0	-1	4879	69		19	0.00	0	0	191	2457	105		19	0.00	0	0	233	2195	35
	20	0.12	0	0	-1	9937	122		20	0.00	0	0	190	2130	95		20	0.04	0	0	288	1775	35
	21	0.24	0	0	-1	26154	252		21	0.00	0	0	178	1853	89		21	0.00	0	0	199	1711	35
	22	0.16	0	0	-1	33198	708		22	0.00	0	0	157	1807	88		22	0.00	0	0	166	1609	35
	23	0.07	0	0	-1	48513	600		23	0.00	0	0	154	1762	88		23	0.00	0	0	152	1350	35
MAR 14	0	0.05	0	0	-1	40046	435	MAR 16	0	0.00	0	0	10	1653	83	MAR 18	0	0.00	0	0	153	1208	35
	1	0.00	0	0	-1	28931	379		1	0.00	0	0	10	1659	71		1	0.00	0	0	150	1111	35
	2	0.00	0	0	-1	18440	319		2	0.00	0	0	10	1646	70		2	0.00	0	0	134	1049	35
	3	0.01	0	0	-1	11514	277		3	0.00	0	0	10	1607	70		3	0.00	0	0	114	1000	35
	4	0.03	0	0	-1	9304	249		4	0.00	0	0	10	1462	70		4	0.00	0	0	114	910	36
	5	0.04	0	0	-1	8680	230		5	0.00	0	0	10	1282	70		5	0.00	0	0	114	761	35
	6	0.00	0	0	-1	8503	217		6	0.00	0	0	10	1215	63		6	0.00	0	0	114	664	35
	7	0.02	0	0	-1	7415	212		7	0.00	0	0	10	1187	53		7	0.00	0	0	114	656	35
	8	0.03	0	0	-1	7432	206		8	0.00	0	0	10	1185	53		8	0.00	0	0	114	654	35
	9	0.00	0	0	-1	7344	194		9	0.00	0	0	10	1161	53		9	0.00	0	0	114	646	35
	10	0.02	0	0	-1	6228	193		10	0.00	0	0	146	1092	53		10	0.00	0	0	76	656	29
	11	0.00	0	0	-1	5709	188		11	0.00	0	0	135	1063	53		11	0.00	0	0	76	654	17
	12	0.01	0	0	-1	4998	177		12	0.00	0	0	110	1047	53		12	0.00	0	0	76	646	18
	13	0.00	0	0	383	4762	176		13	0.00	0	0	114	1036	53		13	0.00	0	0	76	646	18
	14	0.00	0	0	343	4634	166		14	0.00	0	0	114	1045	52		14	0.00	0	0	76	646	17
	15	0.00	0	0	262	4118	158		15	0.00	0	0	114	1047	45		15	0.00	0	0	76	646	18
	16	0.00	0	0	234	3574	147		16	0.00	0	0	114	1000	35		16	0.00	0	0	76	646	18
	17	0.00	0	0	197	3056	139		17	0.00	0	0	114	848	35		17	0.00	0	0	76	646	17
	18	0.02	0	0	219	2734	137		18	0.00	0	0	114	859	35		18	0.00	0	0	76	646	18
	19	0.01	0	0	267	2805	122		19	0.00	0	0	114	878	35		19	0.00	0	0	76	646	18
	20	0.01	0	0	278	2845	122		20	0.00	0	0	114	796	35		20	0.00	0	0	76	646	17
	21	0.00	0	0	245	2685	114		21	0.00	0	0	114	699	35		21	0.00	0	0	76	656	18
	22	0.02	0	0	242	2507	110		22	0.00	0	0	114	679	35		22	0.00	0	0	76	654	18
	23	0.00	0	0	242	2504	105		23	0.00	0	0	114	658	35		23	0.00	0	0	76	646	17

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HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1
MAR 19	0	0.00	0	0	76	656	18	MAR 21	0	0.00	0	0	76	1787	18	MAR 23	0	0.00	0	0	38	1273	18
	1	0.00	0	0	76	623	18		1	0.00	0	0	76	1740	17		1	0.00	0	0	38	1258	17
	2	0.00	0	0	76	591	15		2	0.00	0	0	76	1740	18		2	0.00	0	0	38	1253	17
	3	0.00	0	0	76	565	10		3	0.00	0	0	76	1740	18		3	0.00	0	0	38	1258	18
	4	0.00	0	0	76	556	0		4	0.00	0	0	76	1740	17		4	0.00	0	0	38	1242	17
	5	0.00	0	0	76	543	0		5	0.00	0	0	76	1740	17		5	0.00	0	0	38	1230	17
	6	0.00	0	0	76	534	0		6	0.00	0	0	76	1740	18		6	0.00	0	0	38	1213	18
	7	0.00	0	0	76	541	0		7	0.00	0	0	76	1740	18		7	0.00	0	0	38	1225	17
	8	0.00	0	0	76	534	0		8	0.00	0	0	76	1740	17		8	0.00	0	0	38	1215	17
	9	0.00	0	0	76	532	0		9	0.00	0	0	76	1740	18		9	0.00	0	0	38	1251	18
	10	0.00	0	0	76	543	0		10	0.00	0	0	76	1740	18		10	0.00	0	0	38	1297	17
	11	0.00	0	0	76	532	0		11	0.00	0	0	76	1740	18		11	0.00	0	0	38	1273	18
	12	0.00	0	0	76	532	0		12	0.00	0	0	76	1740	18		12	0.00	0	0	38	1258	18
	13	0.00	0	0	76	532	0		13	0.00	0	0	76	1740	18		13	0.00	0	0	38	1321	17
	14	0.00	0	0	76	523	0		14	0.00	0	0	76	1724	18		14	0.00	0	0	38	1370	18
	15	0.00	0	0	76	530	0		15	0.00	0	0	76	1711	18		15	0.00	0	0	38	1370	18
	16	0.00	0	0	76	532	0		16	0.00	0	0	38	1664	18		16	0.00	0	0	38	1360	17
	17	0.00	0	0	76	532	0		17	0.00	0	0	38	1648	18		17	0.00	0	0	38	1343	18
	18	0.00	0	0	76	523	0		18	0.00	0	0	38	1646	18		18	0.00	0	0	38	1292	18
	19	0.00	0	0	76	510	0		19	0.00	0	0	38	1659	18		19	0.00	0	0	38	1244	17
	20	0.00	0	0	76	501	0		20	0.00	0	0	38	1646	18		20	0.00	0	0	38	1204	18
	21	0.00	0	0	76	479	0		21	0.00	0	0	38	1646	18		21	0.00	0	0	38	1199	18
	22	0.00	0	0	76	459	0		22	0.00	0	0	38	1646	18		22	0.00	0	0	38	1185	17
	23	0.00	0	0	76	459	0		23	0.00	0	0	38	1646	18		23	0.00	0	0	38	1185	18
MAR 20	0	0.00	0	0	76	447	0	MAR 22	0	0.00	0	0	38	1646	18	MAR 24	0	0.00	0	0	38	1185	18
	1	0.00	0	0	76	437	0		1	0.00	0	0	38	1646	18		1	0.00	0	0	38	1185	17
	2	0.00	0	0	76	437	0		2	0.00	0	0	38	1646	18		2	0.00	0	0	38	1185	18
	3	0.01	0	0	94	439	0		3	0.00	0	0	38	1646	18		3	0.00	0	0	38	1185	18
	4	0.02	0	0	115	484	0		4	0.00	0	0	38	1646	18		4	0.00	0	0	38	1185	17
	5	0.00	0	0	114	538	0		5	0.00	0	0	38	1646	18		5	0.00	0	0	38	1185	18
	6	0.00	0	0	114	534	0		6	0.00	0	0	38	1633	18		6	0.00	0	0	38	1173	18
	7	0.02	0	0	114	532	0		7	0.00	0	0	38	1630	18		7	0.00	0	0	38	1157	17
	8	0.00	0	0	128	541	0		8	0.00	0	0	38	1586	18		8	0.00	0	0	38	1171	18
	9	0.01	0	0	115	534	1		9	0.00	0	0	38	1599	18		9	0.00	0	0	38	1182	18
	10	0.02	0	0	114	543	17		10	0.00	0	0	38	1602	18		10	0.00	0	0	38	1185	17
	11	0.00	0	0	114	532	18		11	0.00	0	0	38	1596	18		11	0.00	0	0	35	1185	18
	12	0.01	0	0	115	532	17		12	0.00	0	0	38	1625	18		12	0.00	0	0	11	1185	18
	13	0.01	0	0	114	554	18		13	0.00	0	0	38	1646	18		13	0.00	0	0	2	1199	17
	14	0.00	0	0	94	532	16		14	0.00	0	0	38	1607	18		14	0.00	0	0	0	1185	18
	15	0.00	0	0	76	532	13		15	0.00	0	0	38	1568	18		15	0.00	0	0	0	1185	18
	16	0.00	0	0	76	484	18		16	0.00	0	0	38	1459	18		16	0.00	0	0	0	1185	17
	17	0.00	0	0	76	468	19		17	0.00	0	0	38	1402	18		17	0.00	0	0	0	1171	18
	18	0.12	0	0	76	1280	21		18	0.00	0	0	38	1419	18		18	0.00	0	0	0	1145	18
	19	0.00	0	0	76	1397	18		19	0.00	0	0	38	1360	17		19	0.00	0	0	0	1129	17
	20	0.00	0	0	76	1956	18		20	0.00	0	0	38	1345	17		20	0.00	0	0	0	1117	18
	21	0.00	0	0	76	2234	17		21	0.00	0	0	38	1316	18		21	0.00	0	0	0	1129	18
	22	0.00	0	0	76	1837	17		22	0.00	0	0	38	1314	17		22	0.00	0	0	0	1129	16
	23	0.00	0	0	76	1798	18		23	0.00	0	0	38	1299	17		23	0.00	0	0	0	1129	10

HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1 (CUBIC FEET/HR)	E4F2	E3C1 (CUBIC FEET/HR)	E4V1
MAR 25	0	0.00	0	0	0	1074	0	MAR 27	0	0.00	0	0	0	904	0	MAR 29	0	0.00	0	0	0	576	0
	1	0.00	0	0	0	1104	0		1	0.00	0	0	0	829	0		1	0.00	0	0	0	587	0
	2	0.00	0	0	0	1113	0		2	0.00	0	0	0	749	0		2	0.00	0	0	0	576	0
	3	0.00	0	0	0	1106	0		3	0.00	0	0	0	739	0		3	0.00	0	0	0	597	0
	4	0.00	0	0	0	1085	0		4	0.00	0	0	0	683	0		4	0.00	0	0	0	612	0
	5	0.00	0	0	0	1051	0		5	0.00	0	0	0	658	0		5	0.00	0	0	0	606	0
	6	0.00	0	0	0	1047	0		6	0.00	0	0	0	656	0		6	0.00	0	0	0	610	0
	7	0.00	0	0	0	1036	0		7	0.00	0	0	0	656	0		7	0.00	0	0	0	591	0
	8	0.00	0	0	0	1045	0		8	0.00	0	0	0	654	0		8	0.00	0	0	0	556	0
	9	0.00	0	0	0	1047	0		9	0.00	0	0	0	666	0		9	0.00	0	0	0	556	0
	10	0.00	0	0	0	1047	0		10	0.00	0	0	0	681	0		10	0.00	0	0	0	602	0
	11	0.00	0	0	0	1033	0		11	0.00	0	0	0	677	0		11	0.00	0	0	0	610	0
	12	0.00	0	0	0	1047	0		12	0.00	0	0	0	701	0		12	0.00	0	0	0	601	0
	13	0.00	0	0	0	1047	0		13	0.00	0	0	0	693	0		13	0.00	0	0	0	559	0
	14	0.00	0	0	0	1033	0		14	0.00	0	0	0	660	0		14	0.00	0	0	0	552	0
	15	0.00	0	0	0	1033	0		15	0.00	0	0	0	656	0		15	0.00	0	0	0	556	0
	16	0.00	0	0	0	987	0		16	0.00	0	0	0	654	0		16	0.00	0	0	0	543	0
	17	0.00	0	0	0	969	0		17	0.00	0	0	0	646	0		17	0.00	0	0	0	532	0
	18	0.00	0	0	0	951	0		18	0.00	0	0	0	656	0		18	0.00	0	0	0	541	0
	19	0.00	0	0	0	906	0		19	0.00	0	0	0	654	0		19	0.00	0	0	0	534	0
	20	0.00	0	0	0	914	0		20	0.00	0	0	0	646	0		20	0.00	0	0	0	532	0
	21	0.00	0	0	0	904	0		21	0.00	0	0	0	656	0		21	0.00	0	0	0	541	0
	22	0.00	0	0	0	923	0		22	0.00	0	0	0	656	0		22	0.00	0	0	0	534	0
	23	0.00	0	0	0	917	0		23	0.00	0	0	0	654	0		23	0.02	0	0	0	532	0
MAR 26	0	0.00	0	0	0	925	0	MAR 28	0	0.00	0	0	0	646	0	MAR 30	0	0.00	0	0	0	552	0
	1	0.00	0	0	0	917	0		1	0.00	0	0	0	656	0		1	0.00	0	0	0	565	0
	2	0.00	0	0	0	914	0		2	0.00	0	0	0	654	0		2	0.00	0	0	0	534	0
	3	0.00	0	0	0	925	0		3	0.00	0	0	0	646	0		3	0.00	0	0	0	532	0
	4	0.01	0	0	0	917	0		4	0.00	0	0	0	656	0		4	0.00	0	0	0	543	0
	5	0.03	0	0	17	971	0		5	0.00	0	0	0	654	0		5	0.00	0	0	0	532	0
	6	0.02	0	0	38	1045	0		6	0.00	0	0	0	646	0		6	0.00	0	0	0	541	0
	7	0.00	0	0	38	1159	0		7	0.00	0	0	0	656	0		7	0.00	0	0	0	534	0
	8	0.00	0	0	35	1173	0		8	0.00	0	0	0	644	0		8	0.00	0	0	0	532	0
	9	0.03	0	0	36	1168	0		9	0.00	0	0	0	656	0		9	0.00	0	0	0	541	0
	10	0.00	0	0	39	1185	0		10	0.00	0	0	0	654	0		10	0.00	0	0	0	534	0
	11	0.00	0	0	39	1185	0		11	0.00	0	0	0	646	0		11	0.00	0	0	0	532	0
	12	0.00	0	0	38	1185	0		12	0.00	0	0	0	644	0		12	0.00	0	0	0	541	0
	13	0.01	0	0	37	1097	0		13	0.00	0	0	0	654	0		13	0.00	0	0	0	534	0
	14	0.01	0	0	35	1036	0		14	0.00	0	0	0	646	0		14	0.00	0	0	0	532	0
	15	0.00	0	0	16	1099	0		15	0.00	0	0	0	623	0		15	0.00	0	0	0	543	0
	16	0.00	0	0	4	1049	0		16	0.00	0	0	0	633	0		16	0.00	0	0	0	532	0
	17	0.00	0	0	0	1024	0		17	0.00	0	0	0	621	0		17	0.00	0	0	0	532	0
	18	0.00	0	0	0	956	0		18	0.00	0	0	0	612	0		18	0.00	0	0	0	543	0
	19	0.00	0	0	0	908	0		19	0.00	0	0	0	599	0		19	0.00	0	0	0	532	0
	20	0.00	0	0	0	912	0		20	0.00	0	0	0	610	0		20	0.00	0	0	0	541	0
	21	0.00	0	0	0	904	0		21	0.00	0	0	0	587	0		21	0.00	0	0	0	534	0
	22	0.01	0	0	0	912	0		22	0.00	0	0	0	610	0		22	0.00	0	0	0	532	0
	23	0.00	0	0	0	902	0		23	0.00	0	0	0	578	0		23	0.00	0	0	0	541	0



HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2	E3C1	E4V1 -----
MAR 31	0	0.00	0	0	0	534	0	APR 2	0	0.00	0	0	0	532	0	APR 4	0	0.00	0	0	0	552	0
	1	0.00	0	0	0	532	0		1	0.00	0	0	0	532	0		1	0.00	0	0	0	646	0
	2	0.00	0	0	0	543	0		2	0.00	0	0	0	543	0		2	0.00	0	0	0	574	0
	3	0.00	0	0	0	532	0		3	0.00	0	0	0	532	0		3	0.00	0	0	0	545	0
	4	0.00	0	0	0	532	0		4	0.00	0	0	0	541	0		4	0.00	0	0	0	532	0
	5	0.00	0	0	0	543	0		5	0.00	0	0	0	534	0		5	0.00	0	0	0	532	0
	6	0.02	0	0	0	532	0		6	0.00	0	0	0	532	0		6	0.00	0	0	0	532	0
	7	0.04	0	0	0	569	0		7	0.00	0	0	0	541	0		7	0.00	0	0	0	532	0
	8	0.10	0	0	0	664	0		8	0.00	0	0	0	534	0		8	0.00	0	0	0	543	0
	9	0.02	0	0	0	1009	0		9	0.00	0	0	0	532	0		9	0.00	0	0	0	532	0
	10	0.02	0	0	0	1201	0		10	0.00	0	0	0	543	0		10	0.00	0	0	0	541	0
	11	0.00	0	0	0	1190	0		11	0.00	0	0	0	532	0		11	0.00	0	0	0	543	0
	12	0.00	0	0	0	1173	0		12	0.00	0	0	0	532	0		12	0.00	0	0	0	534	0
	13	0.00	0	0	0	1069	0		13	0.00	0	0	0	543	0		13	0.00	0	0	0	532	0
	14	0.00	0	0	0	1036	0		14	0.00	0	0	0	532	0		14	0.00	0	0	0	543	0
	15	0.00	0	0	0	770	0		15	0.00	0	0	0	541	0		15	0.00	0	0	0	532	0
	16	0.00	0	0	0	666	0		16	0.00	0	0	0	514	0		16	0.00	0	0	0	532	0
	17	0.00	0	0	0	656	0		17	0.00	0	0	0	491	0		17	0.00	0	0	0	543	0
	18	0.00	0	0	0	646	0		18	0.00	0	0	0	480	0		18	0.02	0	0	0	550	0
	19	0.00	0	0	0	656	0		19	0.00	0	0	0	451	0		19	0.09	0	0	0	677	0
	20	0.00	0	0	0	654	0		20	0.00	0	0	0	454	0		20	0.01	0	0	0	1020	0
	21	0.00	0	0	0	646	0		21	0.00	0	0	0	458	0		21	0.00	0	0	0	899	0
	22	0.00	0	0	0	656	0		22	0.00	0	0	0	468	0		22	0.00	0	0	0	654	0
	23	0.00	0	0	0	614	0		23	0.00	0	0	0	458	0		23	0.00	0	0	0	656	0
APR 1	0	0.00	0	0	0	599	0	APR 3	0	0.00	0	0	0	449	0	APR 5	0	0.00	0	0	0	654	0
	1	0.00	0	0	0	608	0		1	0.00	0	0	0	447	0		1	0.00	0	0	0	646	0
	2	0.00	0	0	0	589	0		2	0.00	0	0	0	439	0		2	0.00	0	0	0	656	0
	3	0.00	0	0	0	587	0		3	0.00	0	0	0	437	0		3	0.01	0	0	0	654	0
	4	0.00	0	0	0	558	0		4	0.00	0	0	0	437	0		4	0.00	0	0	0	646	0
	5	0.00	0	0	0	554	0		5	0.00	0	0	0	435	0		5	0.01	0	0	0	656	0
	6	0.00	0	0	0	543	0		6	0.00	0	0	0	429	0		6	0.01	0	0	0	654	0
	7	0.00	0	0	0	545	0		7	0.00	0	0	0	427	0		7	0.08	0	0	0	705	0
	8	0.00	0	0	0	532	0		8	0.00	0	0	0	427	0		8	0.10	0	0	0	1599	0
	9	0.00	0	0	0	552	0		9	0.00	0	0	0	427	0		9	0.00	0	0	0	1861	0
	10	0.00	0	0	0	563	0		10	0.00	0	0	0	427	0		10	0.00	0	0	0	1522	0
	11	0.00	0	0	0	565	0		11	0.00	0	0	0	437	0		11	0.01	0	0	0	1187	0
	12	0.00	0	0	0	585	0		12	0.00	0	0	0	427	0		12	0.00	0	0	0	1095	0
	13	0.00	0	0	0	578	0		13	0.00	0	0	0	427	0		13	0.01	0	0	0	1036	0
	14	0.00	0	0	0	565	0		14	0.00	0	0	0	427	0		14	0.00	0	0	0	1047	0
	15	0.00	0	0	0	556	0		15	0.00	0	0	0	427	0		15	0.00	0	0	0	1036	0
	16	0.00	0	0	0	534	0		16	0.00	0	0	0	427	0		16	0.10	0	0	0	1045	0
	17	0.00	0	0	0	541	0		17	0.00	0	0	0	427	0		17	0.01	0	0	0	1543	0
	18	0.00	0	0	0	534	0		18	0.00	0	0	0	427	0		18	0.00	0	0	0	1625	0
	19	0.00	0	0	0	532	0		19	0.00	0	0	0	427	0		19	0.00	0	0	0	1328	0
	20	0.00	0	0	0	541	0		20	0.00	0	0	0	427	0		20	0.00	0	0	0	1201	0
	21	0.00	0	0	0	534	0		21	0.02	0	0	0	427	0		21	0.00	0	0	0	1111	0
	22	0.00	0	0	0	532	0		22	0.02	0	0	0	435	0		22	0.00	0	0	0	1038	0
	23	0.00	0	0	0	543	0		23	0.04	0	0	0	514	0		23	0.00	0	0	0	1045	0

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HOURLY PRECIPITATION AND FLOW 1979/80 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----	DATE	HR	PRECIP (IN/HR)	E1F1 -----	E4F1 (CUBIC FEET/HR)	E4F2 -----	E3C1 (CUBIC FEET/HR)	E4V1 -----
APR 6	0	0.02	0	0	0	1047	0	APR 8	0	0.00	0	0	0	2357	18	APR 10	0	0.01	0	0	275	29514	151
	1	0.03	0	0	0	1225	0		1	0.00	0	0	0	2310	18		1	0.00	0	0	211	18729	129
	2	0.14	0	0	29	2634	14		2	0.00	0	0	0	2293	18		2	0.00	0	0	164	12764	108
	3	0.15	0	0	44	7272	55		3	0.00	0	0	0	2276	18		3	0.00	0	0	152	10465	94
	4	0.01	0	0	0	7134	36		4	0.00	0	0	0	2178	18		4	0.00	0	0	130	8751	89
	5	0.00	0	0	0	4810	35		5	0.00	0	0	0	2107	18		5	0.01	0	115	0	7289	78
	6	0.02	0	0	0	4079	35		6	0.00	0	0	0	2068	18		6	0.00	0	0	114	6713	70
	7	0.13	0	0	198	7306	81		7	0.00	0	0	0	2040	18		7	0.00	0	0	114	6073	68
	8	0.08	0	0	117	13885	146		8	0.00	0	0	0	2076	18		8	0.00	0	0	114	5612	54
	9	0.01	0	0	11	12674	123		9	0.00	0	0	0	2104	18		9	0.00	0	0	114	5170	53
	10	0.02	0	0	15	9146	123		10	0.00	0	0	0	2130	18		10	0.00	0	0	76	4891	53
	11	0.02	0	0	8	8135	123		11	0.00	0	0	0	2104	18		11	0.00	0	0	76	4612	49
	12	0.00	0	0	0	6546	123		12	0.00	0	0	0	2149	18		12	0.00	0	0	76	4329	35
	13	0.02	0	0	0	5573	123		13	0.00	0	0	0	2155	18		13	0.00	0	0	76	4058	35
	14	0.00	0	0	0	5249	123		14	0.00	0	0	0	2149	18		14	0.00	0	0	59	3841	35
	15	0.01	0	0	0	4722	123		15	0.00	0	0	0	2152	18		15	0.00	0	0	39	3698	35
	16	0.02	0	0	0	4583	123		16	0.00	0	0	0	2152	18		16	0.00	0	0	39	3567	35
	17	0.00	0	0	0	4365	123		17	0.00	0	0	0	2138	18		17	0.00	0	0	39	3797	31
	18	0.00	0	0	0	3899	123		18	0.03	0	0	11	2192	18		18	0.00	0	0	39	3346	20
	19	0.00	0	0	0	3681	123		19	0.00	0	0	0	2336	18		19	0.00	0	0	39	3200	18
	20	0.00	0	0	0	3405	106		20	0.00	0	0	0	2325	18		20	0.00	0	0	39	3116	18
	21	0.08	0	0	120	3975	131		21	0.00	0	0	0	2310	18		21	0.00	0	0	39	3027	18
	22	0.06	0	0	150	7118	163		22	0.00	0	0	0	2258	18		22	0.00	0	0	39	2948	18
	23	0.00	0	0	38	7130	159		23	0.00	0	0	0	2209	18		23	0.00	0	0	39	2889	18
APR 7	0	0.00	0	0	15	5802	159	APR 9	0	0.00	0	0	0	2218	18	APR 11	0	0.00	0	0	39	2870	18
	1	0.00	0	0	0	4950	159		1	0.02	0	0	53	2204	18		1	0.00	0	0	39	2765	18
	2	0.00	0	0	0	4454	159		2	0.07	0	0	35	2433	18		2	0.00	0	0	39	2737	18
	3	0.00	0	0	0	4024	148		3	0.00	0	0	21	2930	0		3	0.00	0	0	39	2640	18
	4	0.00	0	0	0	3746	141		4	0.03	0	0	38	2861	0		4	0.00	0	0	39	2525	18
	5	0.00	0	0	0	3471	141		5	0.00	0	0	7	2880	0		5	0.00	0	0	39	2439	18
	6	0.00	0	0	0	3300	143		6	0.00	0	0	0	2873	0		6	0.00	0	0	39	2348	18
	7	0.00	0	0	0	3088	126		7	0.00	0	0	0	2731	0		7	0.00	0	0	39	2325	18
	8	0.00	0	0	0	2958	123		8	0.00	0	0	0	2603	0		8	0.00	0	0	39	2339	18
	9	0.00	0	0	0	2852	107		9	0.00	0	0	0	2616	0		9	0.00	0	0	39	2328	12
	10	0.00	0	0	0	2861	35		10	0.00	0	0	0	2716	0		10	0.00	0	0	39	2325	0
	11	0.00	0	0	0	2855	35		11	0.00	0	0	0	2701	0		11	0.00	0	0	39	2342	0
	12	0.00	0	0	0	2799	36		12	0.01	0	0	0	2768	0		12	0.00	0	0	39	2325	0
	13	0.00	0	0	0	2707	34		13	0.01	0	0	0	2780	0		13	0.00	0	0	39	2264	0
	14	0.00	0	0	0	2634	25		14	0.01	0	0	0	2753	0		14	0.00	0	0	39	2158	0
	15	0.00	0	0	0	2591	18		15	0.00	0	0	0	2707	0		15	0.00	0	0	39	2152	0
	16	0.00	0	0	0	2676	18		16	0.00	0	0	0	2619	0		16	0.00	0	0	39	2124	0
	17	0.00	0	0	0	2570	18		17	0.00	0	0	0	2576	0		17	0.00	0	0	39	2040	0
	18	0.00	0	0	0	2475	18		18	0.00	0	0	0	2522	0		18	0.00	0	0	39	1987	0
	19	0.01	0	0	0	2395	18		19	0.05	0	0	48	2814	0		19	0.00	0	0	39	1984	0
	20	0.01	0	0	0	2460	18		20	0.20	0	0	470	5447	10		20	0.00	0	0	39	1968	0
	21	0.00	0	0	0	2516	18		21	0.12	0	0	814	17177	50		21	0.00	0	0	39	1869	0
	22	0.00	0	0	0	2504	18		22	0.10	0	0	828	26015	95		22	0.00	0	0	39	1788	0
	23	0.00	0	0	0	2407	18		23	0.09	0	0	1017	31359	169		23	0.00	0	0	39	1656	0

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HOURLY PRECIPITATION AND FLOW 1980/81

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC FEET/HR)	E3C1	E4V1	E4F3
OCT 30	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
OCT 31	0	0.01	0	0	0	0	0	0
	1	0.01	0	0	0	0	0	0
	2	0.02	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.01	0	0	0	0	0	0
	9	0.01	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.01	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.02	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.02	0	0	0	0	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC FEET/HR)	E3C1	E4V1	E4F3
NOV 1	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.03	0	0	0	0	0	0
	3	0.17	0	0	0	0	0	0
	4	0.01	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.01	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.01	0	0	0	0	0	0
	10	0.01	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.08	0	0	0	0	0	0
	13	0.09	0	0	20	0	0	0
	14	0.03	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.01	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 2	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.01	0	0	0	0	0	0
	22	0.01	0	0	0	0	0	0
	23	0.03	0	0	0	0	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC FEET/HR)	E3C1	E4V1	E4F3
NOV 3	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.01	0	0	0	0	0	0
	6	0.07	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 4	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC FEET/HR)	E3C1	E4V1	E4F3
NOV 5	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.05	0	0	0	0	0	0
	19	0.08	0	0	0	0	0	0
	20	0.03	0	0	0	0	0	0
	21	0.05	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 6	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.01	0	0	0	0	0	0
	7	0.02	0	0	0	0	0	0
	8	0.02	0	0	0	0	0	0
	9	0.02	0	0	0	0	0	0
	10	0.02	0	0	0	0	0	0
	11	0.09	0	0	0	0	0	0
	12	0.13	0	0	50	0	0	0
	13	0.11	0	0	130	0	0	0
	14	0.01	0	0	130	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.01	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.02	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.02	0	0	0	0	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 7	0	0.12	0	5	50	0	0	0
	1	0.23	0	49	1910	0	0	237
	2	0.10	0	0	660	0	0	100
	3	0.05	0	0	0	139	0	0
	4	0.04	0	0	0	468	0	0
	5	0.01	0	0	0	146	0	0
	6	0.00	0	0	0	47	0	0
	7	0.00	0	0	0	33	0	0
	8	0.00	0	0	0	24	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.03	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.06	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.01	0	0	0	0	0	0
	17	0.01	0	0	0	0	0	0
	18	0.11	0	0	0	0	0	0
	19	0.04	0	23	300	0	0	0
	20	0.01	0	0	20	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	20	0	0
	23	0.00	0	0	0	105	0	0
NOV 8	0	0.00	0	0	0	80	0	0
	1	0.00	0	0	0	38	0	0
	2	0.00	0	0	0	33	0	0
	3	0.03	0	0	0	29	0	0
	4	0.06	0	0	0	29	0	0
	5	0.00	0	0	0	33	0	0
	6	0.00	0	0	0	29	0	0
	7	0.00	0	0	0	24	0	0
	8	0.00	0	0	0	24	0	0
	9	0.05	0	0	0	29	0	0
	10	0.00	0	0	0	29	0	0
	11	0.00	0	0	0	20	0	0
	12	0.00	0	0	0	4	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	7	0	0
	15	0.00	0	0	0	7	0	0
	16	0.02	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.03	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 9	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.04	0	0	0	0	0	0
	4	0.04	0	0	0	0	0	0
	5	0.06	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.02	0	0	0	0	0	0
	8	0.03	0	0	0	17	0	0
	9	0.00	0	0	0	29	0	0
	10	0.00	0	0	0	29	0	0
	11	0.00	0	0	0	33	0	0
	12	0.00	0	0	0	17	0	0
	13	0.00	0	0	0	38	0	0
	14	0.02	0	0	0	38	0	0
	15	0.00	0	0	0	33	0	0
	16	0.00	0	0	0	29	0	0
	17	0.00	0	0	0	29	0	0
	18	0.00	0	0	0	24	0	0
	19	0.00	0	0	0	24	0	0
	20	0.00	0	0	0	29	0	0
	21	0.00	0	0	0	33	0	0
	22	0.00	0	0	0	7	0	0
	23	0.00	0	0	0	0	0	0
NOV 10	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
NOV 11	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 12	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
NOV 13	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 14	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.05	0	0	0	0	0	0
	4	0.02	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.03	0	0	0	0	0	0
	7	0.04	0	0	0	0	0	0
	8	0.01	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 15	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 16	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 17	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 18	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
NOV 19	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0
NOV 20	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.00	0	0	0	0	0	0
	6	0.00	0	0	0	0	0	0
	7	0.00	0	0	0	0	0	0
	8	0.00	0	0	0	0	0	0
	9	0.00	0	0	0	0	0	0
	10	0.00	0	0	0	0	0	0
	11	0.00	0	0	0	0	0	0
	12	0.00	0	0	0	0	0	0
	13	0.00	0	0	0	0	0	0
	14	0.00	0	0	0	0	0	0
	15	0.00	0	0	0	0	0	0
	16	0.00	0	0	0	0	0	0
	17	0.00	0	0	0	0	0	0
	18	0.00	0	0	0	0	0	0
	19	0.00	0	0	0	0	0	0
	20	0.00	0	0	0	0	0	0
	21	0.00	0	0	0	0	0	0
	22	0.00	0	0	0	0	0	0
	23	0.00	0	0	0	0	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
NOV 21	0	0.00	0	0	0	0	0	0
	1	0.00	0	0	0	0	0	0
	2	0.00	0	0	0	0	0	0
	3	0.00	0	0	0	0	0	0
	4	0.00	0	0	0	0	0	0
	5	0.01	0	0	0	0	0	0
	6	0.01	0	0	0	0	0	0
	7	0.03	0	0	0	0	0	0
	8	0.01	0	0	0	0	0	0
	9	0.08	0	0	0	0	0	0
	10	0.07	0	0	0	0	0	0
	11	0.16	0	4	20	0	0	0
	12	0.19	0	134	3230	0	0	324
	13	0.18	0	189	4050	4	0	1146
	14	0.12	0	253	1600	1185	0	408
	15	0.16	0	303	1700	1709	12	1232
	16	0.20	0	361	1120	1837	25	1281
	17	0.13	0	363	940	1935	19	556
	18	0.00	0	50	90	1740	18	227
	19	0.00	0	26	0	1088	11	175
	20	0.00	0	6	0	468	0	82
	21	0.00	0	0	0	311	0	6
	22	0.00	0	0	0	232	0	0
	23	0.00	0	0	0	207	0	0
NOV 22	0	0.00	0	0	0	154	0	0
	1	0.00	0	0	0	112	0	0
	2	0.00	0	0	0	86	0	0
	3	0.00	0	0	0	86	0	0
	4	0.00	0	0	0	80	0	0
	5	0.00	0	0	0	74	0	0
	6	0.00	0	0	0	38	0	0
	7	0.00	0	0	0	29	0	0
	8	0.00	0	0	0	29	0	0
	9	0.00	0	0	0	33	0	0
	10	0.00	0	0	0	29	0	0
	11	0.01	0	0	0	29	0	0
	12	0.00	0	0	0	33	0	0
	13	0.00	0	0	0	29	0	0
	14	0.00	0	0	0	29	0	0
	15	0.00	0	0	0	33	0	0
	16	0.00	0	0	0	29	0	0
	17	0.00	0	0	0	29	0	0
	18	0.01	0	0	0	29	0	0
	19	0.00	0	0	0	33	0	0
	20	0.00	0	0	0	29	0	0
	21	0.01	0	0	0	33	0	0
	22	0.03	0	0	0	29	0	0
	23	0.00	0	0	0	29	0	0



HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 23	0	0.00	0	0	0	38	0	0
	1	0.00	0	0	0	29	0	0
	2	0.00	0	0	0	33	0	0
	3	0.00	0	0	0	24	0	0
	4	0.00	0	0	0	33	0	0
	5	0.00	0	0	0	33	0	0
	6	0.00	0	0	0	29	0	0
	7	0.00	0	0	0	29	0	0
	8	0.00	0	0	0	33	0	0
	9	0.00	0	0	0	24	0	0
	10	0.12	0	0	0	29	0	0
	11	0.05	0	0	310	69	0	0
	12	0.01	0	0	80	86	0	0
	13	0.01	0	0	0	80	0	0
	14	0.00	0	0	0	47	0	0
	15	0.00	0	0	0	33	0	0
	16	0.00	0	0	0	29	0	0
	17	0.00	0	0	0	29	0	0
	18	0.00	0	0	0	29	0	0
	19	0.00	0	0	0	24	0	0
	20	0.00	0	0	0	38	0	0
	21	0.00	0	0	0	29	0	0
	22	0.00	0	0	0	29	0	0
	23	0.00	0	0	0	33	0	0
NOV 24	0	0.00	0	0	0	29	0	0
	1	0.00	0	0	0	29	0	0
	2	0.00	0	0	0	33	0	0
	3	0.00	0	0	0	29	0	0
	4	0.00	0	0	0	29	0	0
	5	0.00	0	0	0	33	0	0
	6	0.00	0	0	0	29	0	0
	7	0.00	0	0	0	29	0	0
	8	0.00	0	0	0	33	0	0
	9	0.00	0	0	0	29	0	0
	10	0.00	0	0	0	29	0	0
	11	0.00	0	0	0	33	0	0
	12	0.00	0	0	0	33	0	0
	13	0.00	0	0	0	29	0	0
	14	0.00	0	0	0	29	0	0
	15	0.00	0	0	0	29	0	0
	16	0.00	0	0	0	24	0	0
	17	0.00	0	0	0	29	0	0
	18	0.00	0	0	0	29	0	0
	19	0.00	0	0	0	33	0	0
	20	0.00	0	0	0	33	0	0
	21	0.00	0	0	0	20	0	0
	22	0.00	0	0	0	20	0	0
	23	0.00	0	0	0	13	0	0

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 25	0	0.00	0	0	0	10	0	0
	1	0.00	0	0	0	7	0	0
	2	0.00	0	0	0	4	0	0
	3	0.00	0	0	0	0	0	0
	4	0.07	0	0	0	2	0	0
	5	0.09	0	0	410	63	0	0
	6	0.00	0	0	0	143	0	0
	7	0.00	0	0	0	326	0	0
	8	0.00	0	0	0	440	0	0
	9	0.00	0	0	0	290	0	0
	10	0.00	0	0	0	231	0	0
	11	0.00	0	0	0	179	0	0
	12	0.00	0	0	0	154	0	0
	13	0.00	0	0	0	146	0	0
	14	0.00	0	0	0	99	0	0
	15	0.00	0	0	0	86	0	0
	16	0.00	0	0	0	86	0	0
	17	0.00	0	0	0	86	0	0
	18	0.00	0	0	0	80	0	0
	19	0.00	0	0	0	86	0	0
	20	0.00	0	0	0	86	0	0
	21	0.00	0	0	0	80	0	0
	22	0.00	0	0	0	69	0	0
	23	0.00	0	0	0	86	0	0
NOV 26	0	0.00	0	0	0	80	0	0
	1	0.00	0	0	0	86	0	0
	2	0.00	0	0	0	86	0	0
	3	0.00	0	0	0	80	0	0
	4	0.00	0	0	0	86	0	0
	5	0.00	0	0	0	86	0	0
	6	0.00	0	0	0	80	0	0
	7	0.00	0	0	0	86	0	0
	8	0.00	0	0	0	86	0	0
	9	0.00	0	0	0	80	0	0
	10	0.00	0	0	0	86	0	0
	11	0.00	0	0	0	80	0	0
	12	0.00	0	0	0	80	0	0
	13	0.00	0	0	0	93	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 27	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.01	0	0	0	-1	0	0
	13	0.07	0	0	0	-1	0	0
	14	0.10	0	0	80	-1	0	0
	15	0.08	0	0	320	176	0	0
	16	0.02	0	0	30	320	0	0
	17	0.02	0	0	0	863	0	0
	18	0.00	0	0	0	679	0	0
	19	0.00	0	0	0	587	0	0
	20	0.00	0	0	0	437	0	0
	21	0.00	0	0	0	275	0	0
	22	0.00	0	0	0	329	0	0
	23	0.00	0	0	0	240	0	0
NOV 28	0	0.00	0	0	0	240	0	0
	1	0.00	0	0	0	302	0	0
	2	0.00	0	0	0	339	0	0
	3	0.00	0	0	0	320	0	0
	4	0.00	0	0	0	320	0	0
	5	0.00	0	0	0	320	0	0
	6	0.00	0	0	0	329	0	0
	7	0.00	0	0	0	320	0	0
	8	0.00	0	0	0	329	0	0
	9	0.00	0	0	0	329	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	320	0	0
	12	0.00	0	0	0	320	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	266	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.02	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	-1	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
NOV 29	0	0.00	4	0	0	-1	-1	0
	1	0.23	8	241	1660	-1	-1	292
	2	0.16	2	224	1690	-1	-1	449
	3	0.01	0	0	260	621	-1	18
	4	0.00	0	0	0	902	-1	0
	5	0.00	0	0	0	417	-1	0
	6	0.00	0	0	0	232	-1	0
	7	0.05	0	0	0	132	-1	0
	8	0.01	1	0	0	86	-1	0
	9	0.02	1	0	0	86	-1	0
	10	0.04	7	0	50	86	-1	0
	11	0.06	7	8	100	125	-1	-1
	12	0.04	6	28	350	184	-1	-1
	13	0.01	8	0	0	339	-1	-1
	14	0.00	2	0	0	468	-1	-1
	15	0.00	0	0	0	329	-1	-1
	16	0.00	0	0	0	249	-1	-1
	17	0.00	0	0	0	232	-1	-1
	18	0.00	0	0	0	184	-1	-1
	19	0.03	0	0	0	154	-1	-1
	20	0.04	0	0	0	154	-1	-1
	21	0.02	0	0	0	154	-1	-1
	22	0.03	0	6	0	154	-1	-1
	23	0.06	0	111	720	168	9	35
NOV 30	0	0.02	6	0	20	1020	7	30
	1	0.04	0	20	100	8742	7	28
	2	0.00	0	0	10	6425	7	26
	3	0.00	0	0	0	7415	7	23
	4	0.00	0	0	0	5643	7	20
	5	0.01	0	0	0	4522	7	17
	6	0.00	0	0	0	3992	7	14
	7	0.00	0	0	0	3326	7	12
	8	0.01	0	0	0	2610	7	9
	9	0.02	0	0	0	2169	7	7
	10	0.00	0	0	0	1820	7	6
	11	0.00	0	0	0	1772	7	2
	12	0.01	0	0	0	1328	7	0
	13	0.00	0	0	0	1477	6	0
	14	0.00	0	0	0	1343	6	0
	15	0.00	0	0	0	1143	6	0
	16	0.04	0	0	0	1047	6	0
	17	0.00	0	0	0	1033	6	0
	18	0.00	0	0	0	1129	6	0
	19	0.00	0	0	0	1033	6	0
	20	0.00	0	0	0	691	6	0
	21	0.00	0	0	0	644	6	0
	22	0.00	0	0	0	565	6	0
	23	0.00	0	0	0	532	6	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
DEC 1	0	0.00	0	0	0	-1	6	0
	1	0.00	0	0	0	-1	6	0
	2	0.01	0	0	0	-1	6	0
	3	0.01	0	0	0	-1	6	0
	4	0.00	0	0	0	-1	6	0
	5	0.00	0	0	0	-1	6	0
	6	0.01	0	0	0	-1	6	0
	7	0.00	0	0	0	-1	6	0
	8	0.00	0	0	0	-1	6	0
	9	0.01	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	668	0	0
	19	0.00	0	0	0	656	0	0
	20	0.00	0	0	0	656	0	-1
	21	0.03	0	0	0	644	0	-1
	22	0.04	0	0	40	980	0	-1
	23	0.07	0	0	330	1724	0	-1
DEC 2	0	0.08	0	150	960	5736	0	-1
	1	0.14	0	340	2290	23220	5	-1
	2	0.18	-1	608	3520	95758	39	4085
	3	0.10	-1	310	2480	221496	57	2761
	4	0.14	-1	557	2670	317501	83	3188
	5	0.18	-1	501	2920	327174	97	3515
	6	0.11	-1	359	2549	319276	105	-1
	7	0.12	-1	421	2190	328283	110	-1
	8	0.13	-1	425	2150	296370	127	-1
	9	0.18	-1	492	3780	297858	135	-1
	10	0.10	-1	382	2170	331104	145	-1
	11	0.14	82	1056	3430	262260	191	-1
	12	0.28	216	1333	8010	286348	209	7182
	13	0.16	53	1090	6590	244975	192	3785
	14	0.01	-1	0	1030	205879	134	2209
	15	0.00	-1	0	260	170207	104	598
	16	0.00	-1	0	190	160683	86	300
	17	0.00	-1	0	160	117342	72	286
	18	0.00	-1	0	130	66850	53	241
	19	0.00	-1	0	80	50413	46	202
	20	0.00	-1	0	80	38126	-1	171
	21	0.00	-1	0	70	22819	-1	115
	22	0.04	9	0	100	15141	-1	127
	23	0.02	21	0	200	13117	-1	166

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
DEC 3	0	0.03	22	0	280	13209	-1	299
	1	0.02	28	17	190	14009	-1	192
	2	0.20	174	100	2610	19905	-1	3890
	3	0.08	62	-1	4150	176396	-1	2943
	4	0.05	20	-1	470	433407	-1	352
	5	0.01	20	-1	370	403975	-1	319
	6	0.03	17	-1	380	361224	-1	255
	7	0.00	16	-1	280	315983	-1	228
	8	0.02	79	-1	260	296287	-1	194
	9	0.00	32	-1	240	240327	-1	190
	10	0.01	14	-1	230	175558	-1	191
	11	0.01	17	0	250	154343	-1	193
	12	0.04	37	5	500	149676	-1	519
	13	0.12	184	96	1580	-1	-1	2251
	14	0.12	-1	373	3070	-1	-1	3323
	15	0.23	-1	429	5010	-1	-1	3251
	16	0.26	-1	-1	6810	-1	-1	4009
	17	0.14	-1	-1	4430	-1	-1	4334
	18	0.08	-1	-1	3120	-1	-1	3838
	19	0.08	-1	-1	2730	-1	-1	1495
	20	0.00	-1	-1	1240	-1	-1	394
	21	0.00	-1	-1	-1	-1	-1	196
	22	0.00	-1	-1	-1	-1	-1	183
	23	0.00	-1	-1	-1	-1	-1	172
DEC 4	0	0.00	-1	0	-1	-1	-1	162
	1	0.00	-1	0	-1	-1	-1	177
	2	0.03	-1	0	-1	-1	-1	160
	3	0.06	-1	0	-1	-1	-1	171
	4	0.00	-1	0	-1	-1	-1	187
	5	0.00	-1	0	-1	-1	-1	178
	6	0.01	-1	0	-1	-1	-1	190
	7	0.01	-1	0	190	-1	-1	142
	8	0.06	-1	0	150	-1	-1	181
	9	0.00	-1	42	160	-1	-1	767
	10	0.08	-1	78	190	-1	-1	304
	11	0.08	-1	76	1150	-1	-1	1936
	12	0.02	-1	76	1950	-1	-1	1289
	13	0.10	-1	77	3180	-1	-1	3438
	14	0.07	-1	76	1950	-1	-1	2354
	15	0.00	-1	76	730	-1	-1	831
	16	0.11	217	118	2570	-1	-1	3001
	17	0.00	73	209	830	-1	-1	684
	18	0.00	54	78	270	-1	-1	61
	19	0.03	106	-1	270	-1	-1	107
	20	0.07	203	-1	950	-1	-1	1093
	21	0.07	85	-1	1470	-1	-1	1634
	22	0.01	71	-1	380	-1	-1	145
	23	0.02	57	-1	330	-1	-1	64

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
DEC 5	0	0.00	52	-1	280	-1	-1	40
	1	0.00	47	-1	240	-1	-1	21
	2	0.00	47	-1	190	-1	-1	0
	3	0.01	48	-1	160	-1	-1	0
	4	0.04	66	-1	170	-1	-1	8
	5	0.05	52	-1	360	-1	-1	57
	6	0.02	106	-1	420	-1	-1	175
	7	0.01	63	-1	460	-1	-1	85
	8	0.03	53	-1	370	-1	-1	88
	9	0.00	42	-1	270	-1	-1	38
	10	0.00	55	-1	220	-1	-1	21
	11	0.00	41	0	260	-1	-1	23
	12	0.00	40	0	170	-1	-1	0
	13	0.02	28	0	160	-1	-1	0
	14	0.02	45	0	160	-1	-1	2
	15	0.00	52	0	230	-1	-1	11
	16	0.01	37	0	250	-1	-1	7
	17	0.00	34	0	170	-1	-1	0
	18	0.00	35	0	190	-1	-1	0
	19	0.01	28	0	170	-1	-1	0
	20	0.00	35	0	150	-1	-1	0
	21	0.00	34	0	160	-1	-1	0
	22	0.00	30	0	160	-1	-1	0
	23	0.00	28	0	150	-1	-1	0
DEC 6	0	0.00	28	0	160	-1	-1	0
	1	0.01	26	0	150	-1	-1	0
	2	0.01	25	0	150	-1	-1	0
	3	0.00	28	0	160	-1	-1	0
	4	0.01	26	0	160	-1	-1	0
	5	0.01	25	0	150	-1	-1	0
	6	0.00	24	0	160	-1	-1	0
	7	0.00	21	0	150	-1	-1	0
	8	0.00	20	0	160	-1	-1	0
	9	0.00	20	0	150	-1	-1	0
	10	0.00	21	0	150	-1	-1	0
	11	0.00	20	0	160	-1	-1	68
	12	0.00	21	0	80	-1	-1	76
	13	0.00	19	0	80	-1	-1	76
	14	0.00	16	0	80	-1	-1	76
	15	0.00	13	0	70	-1	-1	54
	16	0.00	14	0	80	-1	-1	38
	17	0.00	13	0	80	-1	-1	38
	18	0.00	14	0	80	-1	-1	38
	19	0.00	13	0	80	-1	-1	38
	20	0.00	14	0	80	-1	-1	39
	21	0.00	13	0	90	-1	-1	38
	22	0.00	14	0	20	-1	-1	38
	23	0.00	13	0	20	-1	-1	38

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
DEC 7	0	0.00	13	0	20	-1	-1	38
	1	0.00	13	0	20	-1	-1	11
	2	0.00	14	0	10	-1	-1	0
	3	0.00	12	0	0	-1	-1	0
	4	0.00	11	0	0	-1	-1	0
	5	0.00	10	0	0	-1	-1	0
	6	0.00	7	0	0	-1	-1	0
	7	0.00	8	0	0	-1	-1	0
	8	0.00	7	0	0	-1	-1	0
	9	0.00	7	0	0	-1	-1	0
	10	0.00	6	0	0	-1	-1	0
	11	0.00	0	0	10	-1	-1	0
	12	0.00	0	0	80	-1	-1	32
	13	0.00	0	0	80	3229	-1	39
	14	0.00	0	0	80	3746	-1	37
	15	0.00	0	0	80	4372	-1	37
	16	0.00	0	0	80	4139	-1	13
	17	0.00	0	0	70	3644	-1	3
	18	0.00	0	0	80	3229	0	0
	19	0.00	0	0	40	2923	0	0
	20	0.00	0	0	0	2290	0	0
	21	0.00	0	0	0	1772	0	0
	22	0.00	0	0	0	1630	0	0
	23	0.00	0	0	0	1256	0	0
DEC 8	0	0.00	0	0	0	1060	0	0
	1	0.00	0	0	0	1050	0	0
	2	0.00	0	0	0	1050	0	0
	3	0.00	0	0	0	1050	0	0
	4	0.00	0	0	0	1050	0	0
	5	0.00	0	0	0	1050	0	0
	6	0.00	0	0	0	1050	0	0
	7	0.00	0	0	0	1050	0	0
	8	0.00	0	0	0	1050	0	0
	9	0.00	0	0	0	1050	0	0
	10	0.00	0	0	0	1050	0	0
	11	0.00	0	0	10	1050	0	-1
	12	0.00	0	0	80	1050	0	-1
	13	0.00	0	0	130	1050	0	-1
	14	0.00	0	0	150	1047	0	-1
	15	0.00	0	0	150	3444	0	-1
	16	0.00	0	0	70	4479	0	37
	17	0.00	0	0	80	3405	0	38
	18	0.00	0	0	70	2646	0	13
	19	0.00	0	0	50	2034	0	0
	20	0.00	0	0	0	1740	0	0
	21	0.00	0	0	0	1599	0	0
	22	0.00	0	0	0	1285	0	0
	23	0.00	0	0	0	1157	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	ELF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
DEC 9	0	0.00	0	0	0	1060	0	0
	1	0.00	0	0	0	927	0	0
	2	0.00	0	0	0	668	0	0
	3	0.00	0	0	0	610	0	0
	4	0.00	0	0	0	510	0	0
	5	0.00	0	0	0	437	0	0
	6	0.00	0	0	0	367	0	0
	7	0.00	0	0	0	329	0	0
	8	0.00	0	0	0	266	0	0
	9	0.00	0	0	0	224	0	0
	10	0.00	0	0	0	224	0	0
	11	0.00	0	0	0	232	0	0
	12	0.00	0	0	10	257	0	25
	13	0.00	0	0	60	358	0	115
	14	0.00	0	0	80	500	0	113
	15	0.00	0	0	70	727	0	115
	16	0.00	0	0	60	1060	0	114
	17	0.00	0	0	0	1171	0	114
	18	0.00	0	0	0	1101	0	114
	19	0.00	0	0	0	980	0	115
	20	0.00	0	0	0	691	0	114
	21	0.00	0	0	0	644	0	114
	22	0.00	0	0	0	565	0	114
	23	0.00	0	0	0	510	0	114
DEC 10	0	0.00	0	0	0	447	0	114
	1	0.00	0	0	0	427	0	115
	2	0.00	0	0	0	397	0	114
	3	0.00	0	0	0	377	0	114
	4	0.00	0	0	0	329	0	115
	5	0.00	0	0	0	320	0	114
	6	0.00	0	0	0	302	0	114
	7	0.00	0	0	0	275	0	113
	8	0.00	0	0	0	266	0	116
	9	0.00	0	0	0	249	0	114
	10	0.00	0	0	0	240	0	105
	11	0.00	0	0	0	240	0	115
	12	0.00	0	0	0	249	0	114
	13	0.00	0	0	0	329	0	114
	14	0.00	0	0	0	417	0	115
	15	0.00	0	0	0	427	0	99
	16	0.00	0	0	0	417	0	80
	17	0.00	0	0	0	397	0	76
	18	0.00	0	0	0	339	0	76
	19	0.00	0	0	0	320	0	76
	20	0.00	0	0	0	-1	0	77
	21	0.00	0	0	0	-1	0	76
	22	0.00	0	0	0	-1	0	76
	23	0.00	0	0	0	-1	0	76

DATE	HR	PRECIP (IN/HR)	ELF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
DEC 11	0	0.00	0	0	0	-1	0	77
	1	0.00	0	0	0	-1	0	76
	2	0.00	0	0	0	-1	0	76
	3	0.00	0	0	0	-1	0	76
	4	0.00	0	0	0	-1	0	76
	5	0.00	0	0	0	-1	0	76
	6	0.00	0	0	0	-1	0	76
	7	0.00	0	0	0	-1	0	76
	8	0.00	0	0	0	-1	0	76
	9	0.00	0	0	0	-1	0	76
	10	0.00	0	0	0	-1	0	76
	11	0.00	0	0	0	-1	0	76
	12	0.00	0	0	0	-1	0	76
	13	0.00	0	0	0	-1	0	76
	14	0.00	0	0	0	-1	0	76
	15	0.00	0	0	0	-1	0	76
	16	0.00	0	0	0	-1	0	77
	17	0.00	0	0	0	-1	0	76
	18	0.00	0	0	0	-1	0	76
	19	0.00	0	0	0	-1	0	76
	20	0.00	0	0	0	-1	0	77
	21	0.00	0	0	0	-1	0	76
	22	0.00	0	0	0	-1	0	76
	23	0.00	0	0	0	-1	0	76
DEC 12	0	0.00	0	0	0	-1	0	76
	1	0.00	0	0	0	-1	0	76
	2	0.00	0	0	0	-1	0	78
	3	0.00	0	0	0	-1	0	76
	4	0.00	0	0	0	-1	0	77
	5	0.00	0	0	0	-1	0	76
	6	0.00	0	0	0	-1	0	76
	7	0.00	0	0	0	-1	0	77
	8	0.00	0	0	0	-1	0	76
	9	0.00	0	0	0	-1	0	76
	10	0.00	0	0	0	-1	0	75
	11	0.00	0	0	0	-1	0	76
	12	0.00	0	0	0	-1	0	75
	13	0.00	0	0	0	-1	0	77
	14	0.00	0	0	0	-1	0	72
	15	0.00	0	0	0	-1	0	72
	16	0.00	0	0	0	-1	0	73
	17	0.00	0	0	0	-1	0	77
	18	0.00	0	0	0	-1	0	76
	19	0.00	0	0	0	-1	0	76
	20	0.00	0	0	0	-1	0	77
	21	0.00	0	0	0	-1	0	76
	22	0.00	0	0	0	-1	0	68
	23	0.00	0	0	0	-1	0	54

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
DEC 13	0	0.00	0	0	0	-1	0	47
	1	0.00	0	0	0	-1	0	19
	2	0.00	0	0	0	-1	0	9
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
DEC 14	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	358	0	0
	11	0.00	0	0	0	358	0	0
	12	0.00	0	0	0	329	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	348	0	0
	15	0.00	0	0	0	339	0	0
	16	0.00	0	0	0	320	0	0
	17	0.00	0	0	0	329	0	0
	18	0.00	0	0	0	329	0	0
	19	0.00	0	0	0	320	0	0
	20	0.00	0	0	0	311	0	0
	21	0.00	0	0	0	284	0	0
	22	0.00	0	0	0	266	0	0
	23	0.00	0	0	0	249	0	0

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
DEC 15	0	0.00	0	0	0	232	0	0
	1	0.00	0	0	0	240	0	0
	2	0.00	0	0	0	232	0	0
	3	0.00	0	0	0	240	0	0
	4	0.00	0	0	0	232	0	0
	5	0.00	0	0	0	232	0	0
	6	0.00	0	0	0	240	0	0
	7	0.00	0	0	0	240	0	0
	8	0.00	0	0	0	249	0	0
	9	0.00	0	0	0	249	0	0
	10	0.00	0	0	0	232	0	0
	11	0.00	0	0	0	240	0	0
	12	0.00	0	0	0	240	0	0
	13	0.00	0	0	0	257	0	0
	14	0.00	0	0	0	284	0	0
	15	0.00	0	0	0	302	0	0
	16	0.00	0	0	0	311	0	0
	17	0.00	0	0	0	275	0	0
	18	0.00	0	0	0	266	0	0
	19	0.00	0	0	0	249	0	0
	20	0.00	0	0	0	249	0	0
	21	0.00	0	0	0	240	0	0
	22	0.00	0	0	0	240	0	0
	23	0.00	0	0	0	240	0	0
DEC 16	0	0.00	0	0	0	232	0	0
	1	0.00	0	0	0	232	0	0
	2	0.00	0	0	0	240	0	0
	3	0.00	0	0	0	232	0	0
	4	0.00	0	0	0	240	0	0
	5	0.00	0	0	0	232	0	0
	6	0.00	0	0	0	232	0	0
	7	0.00	0	0	0	240	0	0
	8	0.00	0	0	0	232	0	0
	9	0.00	0	0	0	232	0	0
	10	0.00	0	0	0	240	0	0
	11	0.00	0	0	0	232	0	0
	12	0.00	0	0	0	232	0	0
	13	0.00	0	0	0	232	0	0
	14	0.00	0	0	0	224	0	0
	15	0.00	0	0	0	216	0	0
	16	0.00	0	0	0	216	0	0
	17	0.00	0	0	0	207	0	0
	18	0.00	0	0	0	184	0	0
	19	0.00	0	0	0	176	0	0
	20	0.00	0	0	0	199	0	0
	21	0.00	0	0	0	192	0	0
	22	0.00	0	0	0	176	0	0
	23	0.00	0	0	0	154	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
DEC 17	0	0.00	0	0	0	154	0	0
	1	0.00	0	0	0	154	0	0
	2	0.00	0	0	0	154	0	0
	3	0.00	0	0	0	154	0	0
	4	0.00	0	0	0	154	0	0
	5	0.00	0	0	0	154	0	0
	6	0.00	0	0	0	154	0	0
	7	0.00	0	0	0	154	0	0
	8	0.00	0	0	0	161	0	0
	9	0.00	0	0	0	154	0	0
	10	0.00	0	0	0	146	0	0
	11	0.00	0	0	0	146	0	0
	12	0.00	0	0	0	139	0	0
	13	0.00	0	0	0	125	0	0
	14	0.00	0	0	0	132	0	0
	15	0.00	0	0	0	132	0	0
	16	0.00	0	0	0	132	0	0
	17	0.00	0	0	0	132	0	0
	18	0.00	0	0	0	132	0	0
	19	0.00	0	0	0	132	0	0
	20	0.00	0	0	0	132	0	0
	21	0.00	0	0	0	132	0	0
	22	0.00	0	0	0	132	0	0
	23	0.00	0	0	0	132	0	0
DEC 18	0	0.00	0	0	0	132	0	0
	1	0.00	0	0	0	132	0	0
	2	0.00	0	0	0	132	0	0
	3	0.00	0	0	0	132	0	0
	4	0.00	0	0	0	132	0	0
	5	0.00	0	0	0	132	0	0
	6	0.00	0	0	0	132	0	0
	7	0.00	0	0	0	132	0	0
	8	0.00	0	0	0	132	0	0
	9	0.00	0	0	0	132	0	0
	10	0.00	0	0	0	132	0	0
	11	0.00	0	0	0	132	0	0
	12	0.00	0	0	0	132	0	0
	13	0.00	0	0	0	132	0	0
	14	0.00	0	0	0	132	0	0
	15	0.00	0	0	0	132	0	0
	16	0.00	0	0	0	132	0	0
	17	0.00	0	0	0	132	0	0
	18	0.00	0	0	0	132	0	0
	19	0.00	0	0	0	132	0	0
	20	0.00	0	0	0	132	0	0
	21	0.00	0	0	0	132	0	0
	22	0.00	0	0	0	132	0	0
	23	0.00	0	0	0	132	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
DEC 19	0	0.00	0	0	0	132	0	0
	1	0.00	0	0	0	132	0	0
	2	0.00	0	0	0	132	0	0
	3	0.00	0	0	0	132	0	0
	4	0.00	0	0	0	132	0	0
	5	0.00	0	0	0	132	0	0
	6	0.00	0	0	0	132	0	0
	7	0.00	0	0	0	132	0	0
	8	0.01	0	0	0	132	0	0
	9	0.00	0	0	0	132	0	0
	10	0.00	0	0	0	132	0	0
	11	0.00	0	0	0	132	0	0
	12	0.00	0	0	0	132	0	0
	13	0.00	0	0	0	132	0	0
	14	0.00	0	0	0	132	0	0
	15	0.00	0	0	0	132	0	0
	16	0.00	0	0	0	132	0	0
	17	0.00	0	0	0	132	0	-1
	18	0.01	0	0	0	132	0	-1
	19	0.03	0	0	0	132	0	-1
	20	0.02	0	0	0	132	0	-1
	21	0.04	0	0	10	132	0	-1
	22	0.05	0	0	100	132	0	-1
	23	0.04	0	0	80	132	0	-1
DEC 20	0	0.01	0	0	80	437	0	-1
	1	0.01	0	0	10	532	0	-1
	2	0.00	0	0	0	427	0	-1
	3	0.00	0	0	0	329	0	-1
	4	0.00	0	0	0	240	0	-1
	5	0.01	0	0	0	176	0	-1
	6	0.00	0	0	0	154	0	-1
	7	0.01	0	0	0	146	0	-1
	8	0.01	0	0	0	125	0	-1
	9	0.04	0	0	0	156	0	-1
	10	0.02	0	0	40	156	0	-1
	11	0.00	0	0	60	161	0	-1
	12	0.00	0	-1	0	427	0	-1
	13	0.00	0	-1	0	543	0	-1
	14	0.01	0	-1	0	468	0	-1
	15	0.01	0	-1	0	427	0	-1
	16	0.01	0	-1	0	407	0	-1
	17	0.00	0	-1	0	447	0	-1
	18	0.00	0	-1	0	500	0	-1
	19	0.00	0	-1	0	427	0	-1
	20	0.00	0	-1	0	387	0	-1
	21	0.00	0	-1	0	348	0	-1
	22	0.00	0	-1	0	320	0	-1
	23	0.00	0	-1	0	329	0	-1

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC FEET/HR)	E3C1	E4V1	E4F3
DEC 21	0	0.00	0	-1	0	302	0	-1
	1	0.00	0	-1	0	284	0	-1
	2	0.00	0	-1	0	249	0	-1
	3	0.03	0	-1	0	249	0	-1
	4	0.05	0	-1	0	257	0	-1
	5	0.11	1	-1	60	320	0	-1
	6	0.07	1	-1	200	889	0	-1
	7	0.05	2	-1	300	7619	0	-1
	8	0.13	2	-1	550	40678	0	-1
	9	0.12	13	-1	830	106048	7	-1
	10	0.00	11	-1	300	195528	28	-1
	11	0.02	8	0	150	190202	35	-1
	12	0.00	96	0	170	139246	36	-1
	13	0.00	0	0	160	102267	35	-1
	14	0.02	48	0	190	77454	36	-1
	15	0.11	102	73	480	73670	39	-1
	16	0.00	98	0	310	128554	54	-1
	17	0.08	217	18	700	157166	61	-1
	18	0.06	203	88	710	183151	83	-1
	19	0.03	206	14	570	255222	97	-1
	20	0.14	637	281	2120	265044	118	515
	21	0.01	263	12	640	296370	139	46
	22	0.08	-1	85	1240	-1	119	244
	23	0.06	-1	59	1040	-1	155	185
DEC 22	0	0.00	-1	0	470	-1	160	61
	1	0.00	-1	0	330	-1	144	38
	2	0.01	-1	0	310	-1	125	38
	3	0.00	-1	0	260	-1	108	38
	4	0.00	-1	0	240	-1	94	38
	5	0.00	-1	0	190	-1	87	38
	6	0.00	-1	0	230	-1	76	38
	7	0.00	-1	0	240	-1	71	38
	8	0.08	-1	1	300	-1	61	38
	9	0.01	-1	45	800	-1	58	156
	10	0.00	-1	0	300	-1	61	75
	11	0.00	-1	0	230	-1	53	107
	12	0.02	100	0	250	-1	53	114
	13	0.08	280	10	690	-1	53	152
	14	0.00	46	0	530	-1	56	190
	15	0.01	22	0	270	-1	60	114
	16	0.00	21	0	230	-1	55	-1
	17	0.00	11	0	240	-1	53	-1
	18	0.00	10	0	230	-1	52	-1
	19	0.00	10	0	240	-1	41	-1
	20	0.00	8	0	240	-1	35	-1
	21	0.00	2	0	220	-1	36	-1
	22	0.00	0	0	170	295297	35	-1
	23	0.00	0	0	170	268798	35	-1

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC FEET/HR)	E3C1	E4V1	E4F3
DEC 23	0	0.00	0	0	160	212230	23	-1
	1	0.00	0	0	160	160819	17	-1
	2	0.00	0	0	240	121539	18	-1
	3	0.00	0	-0	200	75581	18	-1
	4	0.00	0	0	160	43238	18	-1
	5	0.00	0	0	160	29212	18	-1
	6	0.00	0	0	150	22421	18	-1
	7	0.00	0	0	170	16464	18	-1
	8	0.00	0	0	150	10334	18	-1
	9	0.00	0	0	160	7214	13	-1
	10	0.00	0	0	160	6668	13	-1
	11	0.00	0	0	150	5095	13	-1
	12	0.00	0	0	160	4652	13	4
	13	0.00	0	0	160	4436	13	4
	14	0.00	0	0	-1	4265	13	4
	15	0.00	0	0	-1	3972	13	4
	16	0.00	0	0	-1	3524	13	4
	17	0.00	0	0	-1	3190	13	4
	18	0.00	0	0	-1	2905	13	4
	19	0.00	0	0	-1	2701	13	4
	20	0.00	0	0	-1	2537	13	4
	21	0.00	0	0	-1	2413	13	4
	22	0.00	0	0	-1	2221	13	4
	23	0.00	0	0	-1	1984	13	4
DEC 24	0	0.00	0	0	-1	1984	-1	4
	1	0.00	0	0	-1	1968	-1	4
	2	0.04	0	0	-1	1984	-1	4
	3	0.06	3	0	-1	2923	-1	4
	4	0.16	125	368	-1	12454	-1	-1
	5	0.16	322	970	-1	95758	-1	-1
	6	0.11	83	415	-1	287166	-1	-1
	7	0.11	177	820	-1	296370	-1	-1
	8	0.07	92	275	-1	-1	-1	-1
	9	0.04	88	41	-1	-1	-1	-1
	10	0.05	130	65	-1	-1	84	-1
	11	0.08	230	342	-1	-1	105	-1
	12	0.12	304	466	3450	-1	133	-1
	13	0.12	359	545	3760	-1	147	-1
	14	0.17	617	914	4870	-1	170	-1
	15	0.13	473	659	4980	-1	184	-1
	16	0.29	785	1138	7090	-1	187	-1
	17	0.24	1421	-1	9410	-1	213	-1
	18	0.27	791	-1	5780	-1	220	-1
	19	0.13	466	-1	2360	-1	246	-1
	20	0.08	355	133	1140	-1	225	-1
	21	0.03	512	68	830	-1	195	-1
	22	0.01	468	0	800	-1	164	-1
	23	0.01	328	0	790	-1	156	-1



HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
DEC 25	0	0.04	327	0	730	-1	136	268
	1	0.01	245	0	520	-1	120	158
	2	0.00	57	0	470	-1	106	135
	3	0.00	94	0	490	-1	96	445
	4	0.04	122	31	1630	-1	103	1511
	5	0.10	425	248	2510	-1	133	3655
	6	0.12	292	167	1390	-1	160	1266
	7	0.03	248	31	900	-1	153	706
	8	0.04	224	41	1070	-1	142	826
	9	0.07	289	85	1240	-1	144	1016
	10	0.06	218	81	670	-1	138	372
	11	0.01	230	35	500	-1	121	331
	12	0.00	175	4	520	-1	107	425
	13	0.08	184	13	600	-1	101	610
	14	0.15	922	204	2300	-1	101	-1
	15	0.19	881	572	4360	-1	121	-1
	16	0.12	664	856	3570	-1	142	-1
	17	0.27	1409	1393	8600	-1	233	-1
	18	0.40	1199	1003	7690	-1	333	-1
	19	0.16	1427	127	8490	-1	381	-1
	20	0.02	754	121	2280	-1	362	-1
	21	0.00	191	114	830	-1	307	-1
	22	0.01	208	112	750	-1	251	-1
	23	0.03	180	11	700	-1	-1	-1
DEC 26	0	0.01	183	0	560	-1	-1	426
	1	0.01	183	0	620	-1	-1	426
	2	0.00	187	0	560	-1	-1	426
	3	0.00	185	0	590	-1	-1	426
	4	0.00	191	0	510	-1	-1	392
	5	0.00	185	0	400	-1	-1	392
	6	0.00	178	0	470	-1	-1	392
	7	0.00	167	0	460	-1	-1	392
	8	0.00	163	0	430	-1	-1	321
	9	0.00	156	0	390	-1	-1	321
	10	0.00	151	0	390	-1	-1	321
	11	0.00	143	0	360	-1	-1	321
	12	0.00	138	0	390	-1	-1	289
	13	0.00	131	0	390	-1	45	289
	14	0.00	123	0	390	-1	45	289
	15	0.00	117	0	390	-1	45	289
	16	0.00	112	0	390	-1	45	256
	17	0.00	110	0	390	-1	45	256
	18	0.00	104	0	360	-1	45	256
	19	0.00	101	0	360	-1	36	256
	20	0.00	101	0	360	-1	35	256
	21	0.02	151	0	360	-1	36	340
	22	0.00	213	0	360	-1	35	276
	23	0.01	193	0	380	-1	36	380

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
DEC 27	0	0.05	311	0	910	-1	35	540
	1	0.14	601	125	2980	-1	36	1660
	2	0.06	437	38	1360	-1	51	1153
	3	0.01	364	0	630	-1	54	673
	4	0.00	365	0	500	-1	53	473
	5	0.00	347	0	470	-1	43	394
	6	0.00	322	0	430	-1	35	344
	7	0.00	306	0	390	-1	36	305
	8	0.00	281	0	390	-1	35	283
	9	0.00	251	0	360	-1	36	210
	10	0.00	212	0	310	-1	35	210
	11	0.00	182	0	320	8957	35	210
	12	0.00	136	0	310	8742	35	210
	13	0.00	100	0	290	8214	35	210
	14	0.00	55	0	240	7824	35	210
	15	0.00	55	0	230	7264	35	210
	16	0.00	55	0	240	6890	35	210
	17	0.00	55	0	230	6595	35	210
	18	0.00	50	0	230	6328	35	210
	19	0.00	48	0	240	6089	35	210
	20	0.00	48	0	240	5830	35	210
	21	0.00	47	0	240	5620	35	210
	22	0.00	42	0	240	5390	35	210
	23	0.00	42	0	240	5208	35	210
DEC 28	0	0.00	41	0	240	5050	35	210
	1	0.00	41	0	240	5005	35	210
	2	0.00	36	0	240	4916	35	210
	3	0.00	35	0	240	4872	35	210
	4	0.00	35	0	240	4784	35	210
	5	0.00	33	0	240	4609	35	210
	6	0.00	32	0	240	4565	35	210
	7	0.00	31	0	240	4436	35	210
	8	0.00	29	0	240	4350	35	210
	9	0.00	27	0	240	4308	35	210
	10	0.00	28	0	240	4139	35	134
	11	0.00	27	0	240	4139	35	134
	12	0.00	28	0	240	4055	35	134
	13	0.00	26	0	240	3951	36	134
	14	0.00	34	0	240	2466	35	134
	15	0.00	35	0	240	3910	35	134
	16	0.00	34	0	240	3930	36	134
	17	0.00	35	0	240	3786	35	134
	18	0.00	34	0	240	3766	36	134
	19	0.00	34	0	240	3725	35	134
	20	0.00	33	0	240	3685	36	134
	21	0.00	31	0	240	3766	35	134
	22	0.00	27	0	220	3550	36	134
	23	0.00	28	0	220	3504	35	134

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
DEC 29	0	0.00	27	0	220	3504	36	134
	1	0.00	27	0	205	3425	35	134
	2	0.00	22	0	200	3287	35	134
	3	0.00	21	0	185	3307	36	134
	4	0.00	21	0	185	3307	35	134
	5	0.00	20	0	185	3209	36	134
	6	0.00	18	0	174	3094	35	134
	7	0.00	14	0	174	3018	36	134
	8	0.00	13	0	160	2905	35	134
	9	0.00	14	0	160	2886	36	134
	10	0.02	17	0	160	2905	35	134
	11	0.09	40	0	190	2886	31	117
	12	0.02	78	7	650	3268	36	568
	13	0.06	58	0	410	5458	35	288
	14	0.00	70	0	500	5759	36	413
	15	0.01	49	0	430	6619	35	292
	16	0.01	42	0	300	6425	35	242
	17	0.01	44	0	260	5643	36	229
	18	0.00	38	0	290	5253	35	214
	19	0.00	32	0	240	5208	36	190
	20	0.01	27	0	190	5005	35	152
	21	0.04	33	0	260	4828	36	206
	22	0.00	34	0	300	5028	35	223
	23	0.01	27	0	290	5527	36	210
DEC 30	0	0.00	21	0	260	5689	35	174
	1	0.00	20	0	240	5253	36	155
	2	0.00	18	0	220	5005	35	145
	3	0.00	14	0	180	4850	35	114
	4	0.00	10	0	160	4718	36	114
	5	0.00	7	0	150	4544	35	114
	6	0.00	9	0	150	4479	36	114
	7	0.00	6	0	150	4372	35	114
	8	0.00	9	0	150	4223	36	114
	9	0.00	6	0	140	4118	35	114
	10	0.00	7	0	140	4076	36	85
	11	0.00	7	0	140	3910	35	85
	12	0.00	7	0	140	3910	36	85
	13	0.00	7	0	140	3827	36	85
	14	0.00	7	0	140	3705	36	85
	15	0.00	7	0	140	3685	35	85
	16	0.00	6	0	140	3484	30	85
	17	0.00	2	0	140	3326	30	85
	18	0.00	3	0	140	3287	30	85
	19	0.00	1	0	140	3248	30	85
	20	0.00	0	0	140	3132	29	85
	21	0.00	1	0	150	3094	24	85
	22	0.00	0	0	150	3075	24	85
	23	0.00	0	0	150	2923	24	85

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
DEC 31	0	0.00	0	0	150	2886	24	85
	1	0.00	0	0	150	2886	24	85
	2	0.00	1	0	150	2811	22	85
	3	0.00	0	0	150	2756	18	85
	4	0.00	0	0	150	2701	18	85
	5	0.00	0	0	150	2701	18	85
	6	0.00	0	0	150	2701	18	85
	7	0.00	0	0	150	2537	18	85
	8	0.00	0	0	140	2519	18	85
	9	0.00	0	0	140	2519	18	85
	10	0.00	0	0	140	2502	18	85
	11	0.00	0	0	140	2519	18	63
	12	0.00	0	0	140	2430	18	63
	13	0.00	0	0	140	2342	18	63
	14	0.00	0	0	140	2325	18	63
	15	0.00	0	0	140	2325	18	63
	16	0.00	0	0	140	2342	18	63
	17	0.00	0	0	140	2307	18	63
	18	0.00	0	0	130	2255	18	63
	19	0.00	0	0	130	2169	18	63
	20	0.00	0	0	130	2152	18	63
	21	0.00	0	0	130	2152	18	63
	22	0.00	0	0	130	2152	18	63
	23	0.00	0	0	130	2152	18	63
JAN 1	0	0.00	0	0	130	2135	18	63
	1	0.00	0	0	130	2051	18	63
	2	0.00	0	0	130	2051	18	63
	3	0.00	0	0	130	2001	18	63
	4	0.00	0	0	130	1968	18	63
	5	0.00	0	0	130	1984	18	63
	6	0.00	0	0	130	1984	18	63
	7	0.00	0	0	130	1968	18	63
	8	0.00	0	0	130	1984	18	63
	9	0.00	0	0	130	1984	18	37
	10	0.00	0	0	130	1902	18	37
	11	0.00	0	0	130	1804	18	37
	12	0.00	0	0	130	1820	18	37
	13	0.00	0	0	130	1788	18	37
	14	0.00	0	0	130	1820	18	37
	15	0.00	0	0	120	1820	18	37
	16	0.00	0	0	120	1804	18	37
	17	0.00	0	0	120	1804	18	37
	18	0.00	0	0	120	1724	18	37
	19	0.00	0	0	120	1661	18	37
	20	0.00	0	0	120	1646	18	37
	21	0.00	0	0	120	1646	18	37
	22	0.00	0	0	120	1646	18	37
	23	0.00	0	0	110	1646	18	37

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 2	0	0.00	0	0	110	1646	18	37
	1	0.00	0	0	110	1646	18	37
	2	0.00	0	0	110	1646	18	37
	3	0.00	0	0	110	1646	18	37
	4	0.00	0	0	110	1646	18	37
	5	0.00	0	0	110	1646	18	37
	6	0.00	0	0	110	1646	18	37
	7	0.00	0	0	110	1646	18	37
	8	0.00	0	0	90	1646	18	37
	9	0.00	0	0	90	1630	18	37
	10	0.00	0	0	90	1614	18	28
	11	0.00	0	0	90	1537	18	28
	12	0.00	0	0	60	1492	18	28
	13	0.00	0	0	80	1492	10	28
	14	0.00	0	0	80	1492	10	28
	15	0.00	0	0	80	1477	10	28
	16	0.00	0	0	80	1432	10	28
	17	0.00	0	0	70	1372	10	28
	18	0.00	0	0	80	1328	10	28
	19	0.00	0	0	80	1343	10	28
	20	0.00	0	0	80	1328	10	28
	21	0.00	0	0	80	1328	10	28
	22	0.00	0	0	80	1343	10	28
	23	0.00	0	0	70	1328	10	28
JAN 3	0	0.00	0	0	80	1328	10	28
	1	0.00	0	0	80	1343	10	28
	2	0.00	0	0	80	1328	10	28
	3	0.00	0	0	80	1328	10	28
	4	0.00	0	0	70	1299	10	28
	5	0.00	0	0	80	1270	10	28
	6	0.00	0	0	80	1213	10	28
	7	0.00	0	0	80	1185	10	28
	8	0.00	0	0	80	1185	10	28
	9	0.00	0	0	70	1185	10	28
	10	0.00	0	0	80	1185	7	4
	11	0.00	0	0	80	1314	7	4
	12	0.00	0	0	80	1432	7	4
	13	0.00	0	0	80	1387	7	4
	14	0.00	0	0	80	1343	7	4
	15	0.00	0	0	70	1343	7	4
	16	0.00	0	0	80	1328	7	4
	17	0.00	0	0	80	1343	7	4
	18	0.00	0	0	80	1328	7	4
	19	0.00	0	0	80	1185	7	4
	20	0.00	0	0	70	1185	7	4
	21	0.00	0	0	80	1185	7	4
	22	0.00	0	0	80	1185	7	4
	23	0.00	0	0	80	1185	7	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 4	0	0.00	0	0	80	1185	7	0
	1	0.00	0	0	70	1101	7	0
	2	0.00	0	0	80	1047	7	0
	3	0.00	0	0	80	1047	7	0
	4	0.00	0	0	80	1033	7	0
	5	0.00	0	0	80	1047	7	0
	6	0.00	0	0	80	1047	7	0
	7	0.00	0	0	70	1033	7	0
	8	0.00	0	0	80	1047	7	0
	9	0.00	0	0	80	1047	7	0
	10	0.00	0	0	80	1047	7	0
	11	0.00	0	0	70	1033	7	0
	12	0.00	0	0	20	1047	0	0
	13	0.00	0	0	0	1047	0	0
	14	0.00	0	0	0	1033	0	0
	15	0.00	0	0	0	1047	0	0
	16	0.00	0	0	0	1047	0	0
	17	0.00	0	0	0	1033	0	0
	18	0.00	0	0	0	993	0	0
	19	0.00	0	0	0	927	0	0
	20	0.00	0	0	0	914	0	0
	21	0.00	0	0	0	940	0	0
	22	0.00	0	0	0	914	0	0
	23	0.00	0	0	0	914	0	0
JAN 5	0	0.00	0	0	0	902	0	0
	1	0.00	0	0	0	914	0	0
	2	0.00	0	0	0	980	0	0
	3	0.00	0	0	0	967	0	0
	4	0.00	0	0	0	914	0	0
	5	0.00	0	0	0	902	0	0
	6	0.00	0	0	0	914	0	0
	7	0.00	0	0	0	902	0	0
	8	0.00	0	0	0	902	0	0
	9	0.00	0	0	0	914	0	0
	10	0.00	0	0	0	902	0	0
	11	0.00	0	0	0	902	0	0
	12	0.00	0	0	0	914	0	0
	13	0.00	0	0	0	902	0	0
	14	0.00	0	0	0	914	0	0
	15	0.00	0	0	0	902	0	0
	16	0.00	0	0	0	889	0	0
	17	0.00	0	0	0	668	0	0
	18	0.00	0	0	0	656	0	0
	19	0.00	0	0	0	656	0	0
	20	0.00	0	0	0	644	0	0
	21	0.00	0	0	0	656	0	0
	22	0.00	0	0	0	656	0	0
	23	0.00	0	0	0	656	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	ElF1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
JAN 6	0	0.00	0	0	0	644	0	0
	1	0.00	0	0	0	656	0	0
	2	0.00	0	0	0	656	0	0
	3	0.00	0	0	0	644	0	0
	4	0.00	0	0	0	656	0	0
	5	0.00	0	0	0	656	0	0
	6	0.00	0	0	0	644	0	0
	7	0.00	0	0	0	656	0	0
	8	0.00	0	0	0	656	0	0
	9	0.00	0	0	0	644	0	0
	10	0.00	0	0	0	656	0	0
	11	0.00	0	0	0	656	0	0
	12	0.00	0	0	0	656	0	0
	13	0.00	0	0	0	644	0	0
	14	0.00	0	0	0	656	0	0
	15	0.00	0	0	0	656	0	0
	16	0.00	0	0	0	644	0	0
	17	0.00	0	0	0	656	0	0
	18	0.00	0	0	0	656	0	0
	19	0.00	0	0	0	644	0	0
	20	0.00	0	0	0	656	0	0
	21	0.00	0	0	0	656	0	0
	22	0.00	0	0	0	644	0	0
	23	0.00	0	0	0	656	0	0
JAN 7	0	0.00	0	0	0	656	0	0
	1	0.00	0	0	0	656	0	0
	2	0.00	0	0	0	644	0	0
	3	0.00	0	0	0	656	0	0
	4	0.00	0	0	0	656	0	0
	5	0.00	0	0	0	644	0	0
	6	0.00	0	0	0	656	0	0
	7	0.00	0	0	0	656	0	0
	8	0.00	0	0	0	644	0	0
	9	0.00	0	0	0	656	0	0
	10	0.00	0	0	0	656	0	0
	11	0.00	0	0	0	644	0	0
	12	0.00	0	0	0	656	0	0
	13	0.00	0	0	0	656	0	0
	14	0.00	0	0	0	644	0	0
	15	0.00	0	0	0	656	0	0
	16	0.00	0	0	0	644	0	0
	17	0.00	0	0	0	576	0	0
	18	0.00	0	0	0	543	0	0
	19	0.00	0	0	0	543	0	0
	20	0.00	0	0	0	532	0	0
	21	0.00	0	0	0	543	0	0
	22	0.00	0	0	0	532	0	0
	23	0.00	0	0	0	610	0	0

DATE	HR	PRECIP (IN/HR)	ElF1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
JAN 8	0	0.00	0	0	0	599	0	0
	1	0.00	0	0	0	621	0	0
	2	0.00	0	0	0	633	0	0
	3	0.00	0	0	0	644	0	0
	4	0.00	0	0	0	656	0	0
	5	0.00	0	0	0	656	0	0
	6	0.00	0	0	0	587	0	0
	7	0.00	0	0	0	554	0	0
	8	0.00	0	0	0	543	0	0
	9	0.00	0	0	0	532	0	0
	10	0.00	0	0	0	532	0	0
	11	0.00	0	0	0	543	0	0
	12	0.00	0	0	0	532	0	0
	13	0.00	0	0	0	532	0	0
	14	0.00	0	0	0	543	0	0
	15	0.00	0	0	0	532	0	0
	16	0.00	0	0	0	532	0	0
	17	0.00	0	0	0	543	0	0
	18	0.00	0	0	0	532	0	0
	19	0.00	0	0	0	532	0	0
	20	0.00	0	0	0	543	0	0
	21	0.00	0	0	0	532	0	0
	22	0.00	0	0	0	532	0	0
	23	0.00	0	0	0	543	0	0
JAN 9	0	0.00	0	0	0	532	0	0
	1	0.00	0	0	0	532	0	0
	2	0.00	0	0	0	532	0	0
	3	0.00	0	0	0	510	0	0
	4	0.00	0	0	0	532	0	0
	5	0.00	0	0	0	543	0	0
	6	0.00	0	0	0	532	0	0
	7	0.00	0	0	0	532	0	0
	8	0.00	0	0	0	543	0	0
	9	0.00	0	0	0	532	0	0
	10	0.00	0	0	0	532	0	0
	11	0.00	0	0	0	543	0	0
	12	0.00	0	0	0	532	0	0
	13	0.00	0	0	0	543	0	0
	14	0.00	0	0	0	532	0	0
	15	0.00	0	0	0	532	0	0
	16	0.00	0	0	0	510	0	0
	17	0.00	0	0	0	468	0	0
	18	0.00	0	0	0	458	0	0
	19	0.00	0	0	0	458	0	0
	20	0.00	0	0	0	532	0	0
	21	0.00	0	0	0	500	0	0
	22	0.00	0	0	0	532	0	0
	23	0.00	0	0	0	510	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
JAN 10	0	0.00	0	0	0	532	0	0
	1	0.00	0	0	0	532	0	0
	2	0.00	0	0	0	543	0	0
	3	0.00	0	0	0	521	0	0
	4	0.00	0	0	0	510	0	0
	5	0.00	0	0	0	510	0	0
	6	0.00	0	0	0	510	0	0
	7	0.00	0	0	0	543	0	0
	8	0.00	0	0	0	532	0	0
	9	0.00	0	0	0	532	0	0
	10	0.00	0	0	0	532	0	0
	11	0.00	0	0	0	543	0	0
	12	0.00	0	0	0	532	0	0
	13	0.00	0	0	0	489	0	0
	14	0.00	0	0	0	427	0	0
	15	0.00	0	0	0	427	0	0
	16	0.00	0	0	0	427	0	0
	17	0.00	0	0	0	427	0	0
	18	0.00	0	0	0	427	0	0
	19	0.00	0	0	0	427	0	0
	20	0.00	0	0	0	437	0	0
	21	0.00	0	0	0	427	0	0
	22	0.00	0	0	0	427	0	0
	23	0.00	0	0	0	427	0	0
JAN 11	0	0.00	0	0	0	427	0	0
	1	0.00	0	0	0	427	0	0
	2	0.00	0	0	0	427	0	0
	3	0.00	0	0	0	427	0	0
	4	0.00	0	0	0	427	0	0
	5	0.00	0	0	0	427	0	0
	6	0.00	0	0	0	427	0	0
	7	0.00	0	0	0	427	0	0
	8	0.00	0	0	0	427	0	0
	9	0.00	0	0	0	427	0	0
	10	0.00	0	0	0	427	0	0
	11	0.00	0	0	0	427	0	0
	12	0.00	0	0	0	427	0	0
	13	0.00	0	0	0	427	0	0
	14	0.00	0	0	0	427	0	0
	15	0.00	0	0	0	427	0	0
	16	0.00	0	0	0	427	0	0
	17	0.00	0	0	0	427	0	0
	18	0.00	0	0	0	427	0	0
	19	0.00	0	0	0	427	0	0
	20	0.00	0	0	0	427	0	0
	21	0.00	0	0	0	427	0	0
	22	0.00	0	0	0	427	0	0
	23	0.00	0	0	0	367	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
JAN 12	0	0.00	0	0	0	358	0	0
	1	0.00	0	0	0	339	0	0
	2	0.00	0	0	0	320	0	0
	3	0.00	0	0	0	329	0	0
	4	0.00	0	0	0	329	0	0
	5	0.00	0	0	0	320	0	0
	6	0.00	0	0	0	329	0	0
	7	0.00	0	0	0	329	0	0
	8	0.00	0	0	0	320	0	0
	9	0.00	0	0	0	329	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	320	0	0
	12	0.00	0	0	0	329	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	387	0	0
	15	0.00	0	0	0	427	0	0
	16	0.00	0	0	0	417	0	0
	17	0.00	0	0	0	397	0	0
	18	0.00	0	0	0	329	0	0
	19	0.00	0	0	0	320	0	0
	20	0.00	0	0	0	329	0	0
	21	0.00	0	0	0	329	0	0
	22	0.00	0	0	0	320	0	0
	23	0.00	0	0	0	329	0	0
JAN 13	0	0.00	0	0	0	329	0	0
	1	0.00	0	0	0	320	0	0
	2	0.00	0	0	0	329	0	0
	3	0.00	0	0	0	329	0	0
	4	0.00	0	0	0	320	0	0
	5	0.00	0	0	0	329	0	0
	6	0.00	0	0	0	329	0	0
	7	0.00	0	0	0	320	0	0
	8	0.00	0	0	0	329	0	0
	9	0.00	0	0	0	329	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	320	0	0
	12	0.00	0	0	0	329	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	320	0	0
	15	0.00	0	0	0	329	0	0
	16	0.00	0	0	0	329	0	0
	17	0.00	0	0	0	320	0	0
	18	0.00	0	0	0	329	0	0
	19	0.00	0	0	0	329	0	0
	20	0.00	0	0	0	329	0	0
	21	0.00	0	0	0	320	0	0
	22	0.00	0	0	0	329	0	0
	23	0.00	0	0	0	329	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
JAN 14	0	0.00	0	0	0	320	0	0
	1	0.00	0	0	0	329	0	0
	2	0.00	0	0	0	329	0	0
	3	0.00	0	0	0	320	0	0
	4	0.00	0	0	0	329	0	0
	5	0.00	0	0	0	329	0	0
	6	0.00	0	0	0	320	0	0
	7	0.00	0	0	0	329	0	0
	8	0.00	0	0	0	329	0	0
	9	0.00	0	0	0	320	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	329	0	0
	12	0.00	0	0	0	329	0	0
	13	0.00	0	0	0	311	0	0
	14	0.00	0	0	0	320	0	0
	15	0.00	0	0	0	320	0	0
	16	0.00	0	0	0	320	0	0
	17	0.00	0	0	0	320	0	0
	18	0.00	0	0	0	320	0	0
	19	0.00	0	0	0	320	0	0
	20	0.00	0	0	0	320	0	0
	21	0.00	0	0	0	320	0	0
	22	0.00	0	0	0	320	0	0
	23	0.00	0	0	0	320	0	0
JAN 15	0	0.00	0	0	0	320	0	0
	1	0.00	0	0	0	320	0	0
	2	0.00	0	0	0	320	0	0
	3	0.00	0	0	0	320	0	0
	4	0.00	0	0	0	320	0	0
	5	0.00	0	0	0	320	0	0
	6	0.00	0	0	0	320	0	0
	7	0.00	0	0	0	320	0	0
	8	0.00	0	0	0	320	0	0
	9	0.00	0	0	0	320	0	0
	10	0.00	0	0	0	320	0	0
	11	0.00	0	0	0	329	0	0
	12	0.00	0	0	0	320	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	329	0	0
	15	0.00	0	0	0	320	0	0
	16	0.00	0	0	0	329	0	0
	17	0.00	0	0	0	329	0	0
	18	0.00	0	0	0	320	0	0
	19	0.00	0	0	0	329	0	0
	20	0.00	0	0	0	329	0	0
	21	0.00	0	0	0	320	0	0
	22	0.00	0	0	0	329	0	0
	23	0.00	0	0	0	293	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
JAN 16	0	0.00	0	0	0	240	0	0
	1	0.00	0	0	0	240	0	0
	2	0.00	0	0	0	266	0	0
	3	0.00	0	0	0	240	0	0
	4	0.00	0	0	0	232	0	0
	5	0.00	0	0	0	240	0	0
	6	0.00	0	0	0	232	0	0
	7	0.00	0	0	0	240	0	0
	8	0.00	0	0	0	232	0	0
	9	0.00	0	0	0	232	0	0
	10	0.00	0	0	0	240	0	0
	11	0.00	0	0	0	232	0	0
	12	0.00	0	0	0	240	0	0
	13	0.00	0	0	0	240	0	0
	14	0.01	0	0	0	232	0	0
	15	0.05	0	0	0	232	0	0
	16	0.00	0	0	0	311	0	0
	17	0.00	0	0	0	377	0	0
	18	0.00	0	0	0	377	0	0
	19	0.00	0	0	0	329	0	0
	20	0.00	0	0	0	320	0	0
	21	0.00	0	0	0	329	0	0
	22	0.00	0	0	0	329	0	0
	23	0.00	0	0	0	320	0	0
JAN 17	0	0.00	0	0	0	329	0	0
	1	0.01	0	0	0	329	0	0
	2	0.00	0	0	0	329	0	0
	3	0.00	0	0	0	320	0	0
	4	0.00	0	0	0	329	0	0
	5	0.02	0	0	0	302	0	0
	6	0.01	0	0	0	311	0	0
	7	0.02	0	0	0	329	0	0
	8	0.01	0	0	0	387	0	0
	9	0.00	0	0	0	427	0	0
	10	0.00	0	0	0	447	0	0
	11	0.00	0	0	0	489	0	0
	12	0.00	0	0	0	427	0	0
	13	0.00	0	0	0	427	0	0
	14	0.00	0	0	0	427	0	0
	15	0.00	0	0	0	427	0	0
	16	0.00	0	0	0	427	0	0
	17	0.00	0	0	0	387	0	0
	18	0.00	0	0	0	348	0	0
	19	0.00	0	0	0	329	0	0
	20	0.00	0	0	0	329	0	0
	21	0.00	0	0	0	320	0	0
	22	0.00	0	0	0	329	0	0
	23	0.00	0	0	0	329	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 18	0	0.01	0	0	0	320	0	0
	1	0.00	0	0	0	329	0	0
	2	0.00	0	0	0	329	0	0
	3	0.00	0	0	0	358	0	0
	4	0.00	0	0	0	367	0	0
	5	0.00	0	0	0	339	0	0
	6	0.00	0	0	0	329	0	0
	7	0.00	0	0	0	329	0	0
	8	0.00	0	0	0	320	0	0
	9	0.00	0	0	0	329	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	320	0	0
	12	0.00	0	0	0	329	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	320	0	0
	15	0.00	0	0	0	329	0	0
	16	0.00	0	0	0	329	0	0
	17	0.00	0	0	0	320	0	0
	18	0.00	0	0	0	329	0	0
	19	0.00	0	0	0	329	0	0
	20	0.00	0	0	0	320	0	0
	21	0.00	0	0	0	329	0	0
	22	0.00	0	0	0	329	0	0
	23	0.00	0	0	0	329	0	0
JAN 19	0	0.00	0	0	0	320	0	0
	1	0.00	0	0	0	329	0	0
	2	0.00	0	0	0	329	0	0
	3	0.00	0	0	0	320	0	0
	4	0.00	0	0	0	329	0	0
	5	0.00	0	0	0	329	0	0
	6	0.00	0	0	0	320	0	0
	7	0.00	0	0	0	329	0	0
	8	0.00	0	0	0	329	0	0
	9	0.00	0	0	0	320	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	329	0	0
	12	0.00	0	0	0	320	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	329	0	0
	15	0.00	0	0	0	329	0	0
	16	0.00	0	0	0	320	0	0
	17	0.00	0	0	0	329	0	0
	18	0.00	0	0	0	293	0	0
	19	0.00	0	0	0	266	0	0
	20	0.00	0	0	0	240	0	0
	21	0.00	0	0	0	249	0	0
	22	0.00	0	0	0	240	0	0
	23	0.00	0	0	0	232	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 20	0	0.00	0	0	0	232	0	0
	1	0.00	0	0	0	240	0	0
	2	0.00	0	0	0	266	0	0
	3	0.00	0	0	0	329	0	0
	4	0.00	0	0	0	329	0	0
	5	0.00	0	0	0	320	0	0
	6	0.00	0	0	0	329	0	0
	7	0.00	0	0	0	329	0	0
	8	0.00	0	0	0	320	0	0
	9	0.00	0	0	0	329	0	0
	10	0.00	0	0	0	329	0	0
	11	0.00	0	0	0	320	0	0
	12	0.00	0	0	0	329	0	0
	13	0.00	0	0	0	329	0	0
	14	0.00	0	0	0	320	0	0
	15	0.00	0	0	0	329	0	0
	16	0.02	0	0	0	329	0	0
	17	0.00	0	0	0	320	0	0
	18	0.00	0	0	0	329	0	0
	19	0.01	0	0	0	329	0	0
	20	0.02	0	0	0	329	0	0
	21	0.04	0	0	0	367	0	0
	22	0.06	0	0	0	447	0	0
	23	0.04	0	0	0	599	0	0
JAN 21	0	0.04	0	0	0	727	0	0
	1	0.01	0	0	0	902	0	0
	2	0.01	0	0	0	691	0	0
	3	0.03	0	0	0	644	0	0
	4	0.02	0	0	0	656	0	0
	5	0.01	0	0	0	850	0	0
	6	0.00	0	0	0	902	0	0
	7	0.02	0	0	0	914	0	0
	8	0.00	0	0	0	902	0	0
	9	0.00	0	0	0	914	0	0
	10	0.00	0	0	0	739	0	0
	11	0.00	0	0	0	668	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.02	0	0	0	-1	0	0
	15	0.01	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 22	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.01	0	0	0	-1	0	0
	5	0.01	0	0	0	-1	0	0
	6	0.01	0	0	0	-1	0	0
	7	0.03	0	0	0	-1	0	0
	8	0.07	0	0	0	-1	0	0
	9	0.01	0	0	0	-1	0	0
	10	0.02	0	0	0	-1	0	0
	11	0.03	0	0	0	-1	0	0
	12	0.01	0	0	0	1101	0	0
	13	0.02	0	0	0	1185	0	0
	14	0.03	0	0	0	1199	0	0
	15	0.00	0	0	0	1507	0	0
	16	0.01	0	0	0	1646	0	0
	17	0.00	0	0	0	1646	0	0
	18	0.02	0	0	0	1553	0	0
	19	0.01	0	0	0	1417	0	0
	20	0.00	0	0	0	1507	0	0
	21	0.00	0	0	0	1372	0	0
	22	0.00	0	0	0	1343	0	0
	23	0.00	0	0	0	1314	0	0
JAN 23	0	0.00	0	0	0	1185	0	0
	1	0.00	0	0	0	1185	0	0
	2	0.00	0	0	0	1143	0	0
	3	0.00	0	0	0	1047	0	0
	4	0.00	0	0	0	1033	0	0
	5	0.01	0	0	0	980	0	0
	6	0.00	0	0	0	902	0	0
	7	0.00	0	0	0	914	0	0
	8	0.00	0	0	0	902	0	0
	9	0.00	0	0	0	902	0	0
	10	0.00	0	0	0	813	0	0
	11	0.00	0	0	0	776	0	0
	12	0.00	0	0	0	656	0	0
	13	0.00	0	0	0	656	0	0
	14	0.03	0	0	0	776	5	0
	15	0.01	0	0	0	940	5	0
	16	0.00	0	0	0	1101	5	0
	17	0.00	0	0	0	1185	5	0
	18	0.00	0	0	0	1115	5	0
	19	0.00	0	0	0	1047	5	0
	20	0.00	0	0	0	967	5	0
	21	0.00	0	0	0	902	5	0
	22	0.00	0	0	0	902	5	0
	23	0.00	0	0	0	914	5	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 24	0	0.00	0	0	0	838	5	0
	1	0.00	0	0	0	644	5	0
	2	0.00	0	0	0	656	5	0
	3	0.00	0	0	0	656	5	0
	4	0.00	0	0	0	644	5	0
	5	0.00	0	0	0	656	5	0
	6	0.00	0	0	0	656	5	0
	7	0.00	0	0	0	656	5	0
	8	0.00	0	0	0	644	5	0
	9	0.00	0	0	0	656	5	0
	10	0.00	0	0	0	656	5	0
	11	0.00	0	0	0	644	6	0
	12	0.00	0	0	0	656	6	0
	13	0.00	0	0	0	656	6	0
	14	0.05	0	0	0	644	6	0
	15	0.00	0	0	0	656	6	0
	16	0.00	0	0	0	838	6	0
	17	0.00	0	0	0	715	6	0
	18	0.00	0	0	0	656	6	0
	19	0.00	0	0	0	644	6	0
	20	0.00	0	0	0	656	6	0
	21	0.00	0	0	0	656	6	0
	22	0.00	0	0	0	644	6	0
	23	0.00	0	0	0	656	6	0
JAN 25	0	0.00	0	0	0	656	6	0
	1	0.00	0	0	0	656	6	0
	2	0.00	0	0	0	644	6	0
	3	0.00	0	0	0	599	6	0
	4	0.00	0	0	0	576	6	0
	5	0.00	0	0	0	543	6	0
	6	0.00	0	0	0	532	6	0
	7	0.00	0	0	0	543	6	0
	8	0.00	0	0	0	532	6	0
	9	0.00	0	0	0	532	6	0
	10	0.00	0	0	0	543	6	0
	11	0.00	0	0	0	532	6	0
	12	0.00	0	0	0	543	6	0
	13	0.00	0	0	0	599	6	0
	14	0.00	0	0	0	656	6	0
	15	0.00	0	0	0	656	6	0
	16	0.00	0	0	0	644	6	0
	17	0.00	0	0	0	656	6	0
	18	0.00	0	0	0	656	6	0
	19	0.00	0	0	0	644	6	0
	20	0.00	0	0	0	656	6	0
	21	0.00	0	0	0	656	-1	0
	22	0.00	0	0	0	656	-1	0
	23	0.00	0	0	0	644	-1	0



HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----									----- (CUBIC FEET/HR) -----					
JAN 26	0	0.01	0	0	0	656	-1	0	JAN 28	0	0.00	0	0	80	4414	-1	0
	1	0.04	0	0	80	850	-1	0		1	0.00	0	0	80	4181	-1	0
	2	0.15	0	0	960	2255	-1	0		2	0.00	0	0	70	4034	-1	0
	3	0.12	0	0	620	8503	-1	0		3	0.00	0	0	80	3930	-1	0
	4	0.03	0	0	180	8477	-1	0		4	0.00	0	0	80	3644	-1	0
	5	0.01	0	0	120	5643	-1	0		5	0.00	0	0	80	3464	-1	0
	6	0.03	0	0	150	5028	-1	0		6	0.00	0	0	80	3287	-1	0
	7	0.03	0	0	150	5344	-1	0		7	0.00	0	0	70	3190	-1	0
	8	0.03	0	0	100	5367	-1	0		8	0.00	0	0	80	3037	-1	0
	9	0.01	0	0	80	4762	-1	0		9	0.00	0	0	80	2886	-1	0
	10	0.04	0	9	130	4265	-1	0		10	0.00	0	0	80	2701	-1	0
	11	0.04	0	0	930	6065	-1	0		11	0.01	0	0	80	2646	-1	0
	12	0.03	0	0	310	9730	-1	0		12	0.01	0	0	80	2701	-1	0
	13	0.02	0	0	180	8984	-1	0		13	0.04	0	0	210	2905	-1	2
	14	0.00	0	0	90	7415	197	0		14	0.04	0	0	420	3972	-1	56
	15	0.00	0	0	80	6161	194	0		15	0.07	10	20	760	5759	64	239
	16	0.00	0	0	70	5208	179	0		16	0.10	68	99	2060	10988	108	834
	17	0.00	0	0	80	4501	169	0		17	0.08	49	29	1400	21917	132	480
	18	0.00	0	0	80	4013	159	0		18	0.03	39	0	550	20604	131	156
	19	0.00	0	0	80	3584	143	0		19	0.00	0	0	300	12364	124	114
	20	0.00	0	0	80	3287	141	0		20	0.00	0	0	230	9119	115	115
	21	0.00	0	0	80	3075	126	0		21	0.00	0	0	240	7114	106	102
	22	0.00	0	0	70	2905	124	0		22	0.00	0	0	200	5994	106	76
	23	0.00	0	0	80	2701	124	0		23	0.00	0	0	150	5163	93	76
JAN 27	0	0.00	0	0	80	2555	111	0	JAN 29	0	0.00	0	0	160	4674	89	77
	1	0.00	0	0	80	2519	106	0		1	0.00	0	0	150	4329	87	76
	2	0.00	0	0	80	2466	106	0		2	0.00	0	0	160	4076	74	76
	3	0.00	0	0	70	2360	107	0		3	0.00	0	0	160	3910	71	46
	4	0.00	0	0	80	2342	106	0		4	0.00	0	0	150	3746	71	36
	5	0.00	0	0	80	2325	104	0		5	0.00	0	0	160	3484	57	36
	6	0.00	0	0	80	2221	92	-1		6	0.00	0	0	160	3287	53	36
	7	0.03	0	0	80	2152	89	-1		7	0.00	0	0	150	3132	53	36
	8	0.03	0	0	70	2273	88	-1		8	0.00	0	0	140	3018	53	36
	9	0.02	0	0	100	2413	87	-1		9	0.00	0	0	80	2886	53	36
	10	0.02	0	0	360	2923	65	-1		10	0.00	0	0	80	2848	36	36
	11	0.02	0	0	350	4160	53	-1		11	0.00	0	0	80	2774	36	36
	12	0.08	0	0	600	4286	68	-1		12	0.00	0	0	80	2701	35	36
	13	0.11	63	122	2100	5666	139	-1		13	0.00	0	0	10	2664	35	36
	14	0.04	6	3	1420	18633	160	-1		14	0.00	0	0	0	2701	36	38
	15	0.01	0	0	560	19077	141	14		15	0.00	0	0	0	2610	35	38
	16	0.00	0	0	310	14760	125	8		16	0.00	0	0	0	2519	36	38
	17	0.00	0	0	220	10788	-1	6		17	0.01	0	0	10	2519	35	51
	18	0.00	0	0	150	8397	-1	2		18	0.02	0	0	80	2555	36	54
	19	0.00	0	0	160	6816	-1	0		19	0.00	0	0	80	2867	35	38
	20	0.00	0	0	160	6042	-1	0		20	0.00	0	0	80	2610	36	38
	21	0.00	0	0	150	5620	-1	0		21	0.00	0	0	50	2395	35	38
	22	0.00	0	0	110	5095	-1	0		22	0.00	0	0	0	2307	26	38
	23	0.00	0	0	80	4740	-1	0		23	0.00	0	0	0	2186	17	38

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
JAN 30	0	0.00	0	0	0	2085	18	39
	1	0.00	0	0	0	1968	18	38
	2	0.00	0	0	0	1968	18	38
	3	0.00	0	0	0	1837	17	38
	4	0.00	0	0	0	1820	18	38
	5	0.00	0	0	0	1804	18	38
	6	0.00	0	0	0	1804	18	38
	7	0.00	0	0	0	1724	17	39
	8	0.00	0	0	0	1646	18	38
	9	0.00	0	0	0	1646	18	38
	10	0.00	0	0	0	1646	18	38
	11	0.00	0	0	0	1646	17	38
	12	0.00	0	0	0	1646	18	28
	13	0.00	0	0	0	1646	18	21
	14	0.00	0	0	0	1584	18	21
	15	0.00	0	0	0	1646	17	21
	16	0.00	0	0	0	1646	18	21
	17	0.00	0	0	0	1646	18	21
	18	0.00	0	0	0	1646	17	21
	19	0.00	0	0	0	1646	18	21
	20	0.00	0	0	0	1646	18	21
	21	0.00	0	0	0	1646	18	21
	22	0.00	0	0	0	1646	17	21
	23	0.00	0	0	0	1646	18	21
JAN 31	0	0.00	0	0	0	1646	18	21
	1	0.00	0	0	0	1646	18	21
	2	0.00	0	0	0	1646	17	21
	3	0.00	0	0	0	1646	18	21
	4	0.00	0	0	0	1646	18	21
	5	0.00	0	0	0	1646	11	21
	6	0.00	0	0	0	1646	3	21
	7	0.00	0	0	0	1646	3	21
	8	0.00	0	0	0	1646	3	21
	9	0.00	0	0	0	1646	3	21
	10	0.00	0	0	0	1646	3	21
	11	0.00	0	0	0	1646	3	14
	12	0.00	0	0	0	1646	3	14
	13	0.00	0	0	0	1646	3	14
	14	0.00	0	0	0	1646	3	14
	15	0.00	0	0	0	1646	3	14
	16	0.00	0	0	0	1646	3	14
	17	0.00	0	0	0	1646	3	14
	18	0.00	0	0	0	1646	3	14
	19	0.00	0	0	0	1646	3	14
	20	0.00	0	0	0	1646	3	14
	21	0.00	0	0	0	1646	3	14
	22	0.00	0	0	0	1646	3	14
	23	0.00	0	0	0	1646	3	14

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
FEB 1	0	0.00	0	0	0	1646	3	14
	1	0.00	0	0	0	1646	3	14
	2	0.00	0	0	0	1646	3	14
	3	0.00	0	0	0	1646	3	14
	4	0.00	0	0	0	1646	3	14
	5	0.00	0	0	0	1646	3	14
	6	0.00	0	0	0	1646	3	14
	7	0.00	0	0	0	1646	3	14
	8	0.00	0	0	0	1646	3	14
	9	0.00	0	0	0	1646	3	14
	10	0.00	0	0	0	1646	3	14
	11	0.00	0	0	0	1646	2	14
	12	0.00	0	0	0	1646	2	14
	13	0.00	0	0	0	1646	2	14
	14	0.00	0	0	0	1646	2	14
	15	0.00	0	0	0	1646	2	14
	16	0.00	0	0	0	1646	2	14
	17	0.00	0	0	0	1677	2	14
	18	0.00	0	0	0	1820	2	14
	19	0.00	0	0	0	1756	2	14
	20	0.00	0	0	0	1661	2	14
	21	0.00	0	0	0	1646	2	14
	22	0.00	0	0	0	1646	2	14
	23	0.00	0	0	0	1646	2	14
FEB 2	0	0.00	0	0	0	1646	2	14
	1	0.00	0	0	0	1646	2	14
	2	0.00	0	0	0	1646	2	14
	3	0.00	0	0	0	1646	2	14
	4	0.00	0	0	0	1646	2	14
	5	0.00	0	0	0	1646	2	14
	6	0.00	0	0	0	1646	2	14
	7	0.00	0	0	0	1646	2	14
	8	0.00	0	0	0	1646	2	14
	9	0.00	0	0	0	1646	2	14
	10	0.00	0	0	0	1646	2	14
	11	0.00	0	0	0	1646	2	8
	12	0.00	0	0	0	1630	2	8
	13	0.00	0	0	0	1646	2	8
	14	0.00	0	0	0	1646	2	8
	15	0.00	0	0	0	1614	2	8
	16	0.00	0	0	0	1599	2	8
	17	0.00	0	0	0	1630	2	8
	18	0.00	0	0	0	1646	2	8
	19	0.00	0	0	0	1646	2	8
	20	0.00	0	0	0	1599	2	8
	21	0.00	0	0	0	1492	2	8
	22	0.00	0	0	0	1537	2	8
	23	0.00	0	0	0	1553	2	8

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
FEB 3	0	0.00	0	0	0	1584	2	8
	1	0.00	0	0	0	1568	2	8
	2	0.00	0	0	0	1492	2	8
	3	0.00	0	0	0	1402	2	8
	4	0.00	0	0	0	1343	2	8
	5	0.00	0	0	0	1328	2	8
	6	0.00	0	0	0	1328	2	8
	7	0.00	0	0	0	1343	2	8
	8	0.00	0	0	0	1328	2	8
	9	0.00	0	0	0	1328	2	8
	10	0.00	0	0	0	1343	2	8
	11	0.00	0	0	0	1328	2	0
	12	0.00	0	0	0	1328	2	0
	13	0.00	0	0	0	1328	2	0
	14	0.00	0	0	0	1343	2	0
	15	0.00	0	0	0	1328	2	0
	16	0.00	0	0	0	1328	2	0
	17	0.00	0	0	0	1213	2	0
	18	0.00	0	0	0	1185	2	0
	19	0.00	0	0	0	1185	2	0
	20	0.00	0	0	0	1185	2	0
	21	0.00	0	0	0	1185	2	0
	22	0.00	0	0	0	1185	2	0
	23	0.00	0	0	0	1185	2	0
FEB 4	0	0.00	0	0	0	1185	2	0
	1	0.00	0	0	0	1143	2	0
	2	0.00	0	0	0	1157	2	0
	3	0.00	0	0	0	1129	2	0
	4	0.00	0	0	0	1047	2	0
	5	0.00	0	0	0	1047	2	0
	6	0.00	0	0	0	1033	2	0
	7	0.00	0	0	0	1047	2	0
	8	0.00	0	0	0	1047	2	0
	9	0.00	0	0	0	1033	2	0
	10	0.00	0	0	0	1047	2	0
	11	0.00	0	0	0	1047	2	0
	12	0.00	0	0	0	1047	2	0
	13	0.00	0	0	0	993	-1	0
	14	0.01	0	0	0	1047	-1	0
	15	0.03	0	0	50	1101	-1	0
	16	0.00	0	0	70	1185	-1	0
	17	0.00	0	0	0	1185	-1	0
	18	0.00	0	0	0	1185	-1	0
	19	0.00	0	0	0	1185	-1	0
	20	0.01	0	0	20	1185	-1	0
	21	0.04	0	0	90	1185	-1	0
	22	0.02	0	0	90	1402	-1	0
	23	0.03	0	0	160	1646	-1	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
FEB 5	0	0.05	0	0	250	1804	-1	0
	1	0.02	0	0	200	2413	-1	0
	2	0.02	0	0	150	2573	-1	0
	3	0.00	0	0	70	2342	-1	0
	4	0.00	0	0	80	2118	-1	0
	5	0.00	0	0	70	1820	-1	0
	6	0.00	0	0	80	1804	-1	0
	7	0.00	0	0	80	1677	-1	0
	8	0.00	0	0	80	1646	-1	0
	9	0.00	0	0	70	1646	-1	0
	10	0.00	0	0	80	1646	-1	0
	11	0.00	0	0	70	1646	-1	0
	12	0.00	0	0	70	1646	-1	0
	13	0.00	0	0	70	1646	-1	0
	14	0.00	0	0	80	1646	0	0
	15	0.00	0	0	40	1646	0	0
	16	0.00	0	0	0	1599	0	0
	17	0.00	0	0	0	1357	0	0
	18	0.00	0	0	0	1185	0	0
	19	0.00	0	0	0	1185	0	0
	20	0.00	0	0	0	1185	0	0
	21	0.00	0	0	0	1185	0	0
	22	0.00	0	0	0	1185	0	0
	23	0.00	0	0	0	1185	0	0
FEB 6	0	0.00	0	0	0	1185	0	0
	1	0.00	0	0	0	1185	0	0
	2	0.00	0	0	0	1185	0	0
	3	0.00	0	0	0	1185	0	0
	4	0.00	0	0	0	1185	0	0
	5	0.00	0	0	0	1185	0	0
	6	0.00	0	0	0	1171	0	0
	7	0.00	0	0	0	1047	0	0
	8	0.00	0	0	0	1033	0	0
	9	0.00	0	0	0	1047	0	0
	10	0.00	0	0	0	1047	0	0
	11	0.00	0	0	0	1033	0	0
	12	0.00	0	0	0	1101	0	0
	13	0.00	0	0	0	1185	0	0
	14	0.00	0	0	0	1185	0	0
	15	0.00	0	0	0	1185	0	0
	16	0.00	0	0	0	1143	0	0
	17	0.00	0	0	0	1143	0	0
	18	0.00	0	0	0	1143	0	0
	19	0.00	0	0	0	1115	0	0
	20	0.00	0	0	0	1129	0	0
	21	0.00	0	0	0	1115	0	0
	22	0.00	0	0	0	1115	0	0
	23	0.00	0	0	0	1143	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
FEB 7	0	0.00	0	0	0	1129	0	0
	1	0.00	0	0	0	1143	0	0
	2	0.00	0	0	0	1129	0	0
	3	0.00	0	0	0	1129	0	0
	4	0.00	0	0	0	1115	0	0
	5	0.00	0	0	0	1047	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
FEB 8	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
FEB 9	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
FEB 10	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.01	0	0	0	-1	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 11	0	0.02	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.01	0	0	0	-1	0	0
	3	0.01	0	0	0	-1	0	0
	4	0.01	0	0	0	-1	0	0
	5	0.02	0	0	0	-1	0	0
	6	0.04	0	0	0	-1	0	0
	7	0.01	0	0	0	-1	0	0
	8	0.01	0	0	0	-1	0	0
	9	0.01	0	0	0	-1	0	0
	10	0.02	0	0	0	-1	0	0
	11	0.03	0	0	0	-1	0	0
	12	0.04	0	0	0	-1	0	0
	13	0.01	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
FEB 12	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 13	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.02	0	0	0	-1	0	0
	3	0.01	0	0	0	-1	-1	0
	4	0.00	0	0	0	-1	-1	0
	5	0.00	0	0	0	-1	-1	0
	6	0.04	0	0	20	-1	-1	0
	7	0.09	0	0	110	-1	-1	0
	8	0.01	0	0	100	-1	-1	0
	9	0.01	0	0	60	-1	-1	0
	10	0.00	0	0	0	-1	-1	0
	11	0.00	0	0	0	-1	-1	0
	12	0.01	0	0	0	-1	-1	0
	13	0.08	0	0	0	-1	-1	0
	14	0.03	0	0	20	-1	-1	0
	15	0.02	0	0	80	-1	-1	0
	16	0.00	0	0	50	-1	-1	0
	17	0.00	0	0	0	-1	-1	0
	18	0.00	0	0	0	-1	-1	0
	19	0.00	0	0	0	-1	-1	0
	20	0.00	0	0	0	-1	-1	0
	21	0.18	29	0	1150	-1	-1	0
	22	0.09	13	0	1150	-1	-1	0
	23	0.10	39	15	1240	-1	-1	41
FEB 14	0	0.04	0	0	680	-1	-1	0
	1	0.00	0	0	210	-1	-1	0
	2	0.00	0	0	110	-1	-1	0
	3	0.00	0	0	90	-1	-1	0
	4	0.00	0	0	80	-1	-1	0
	5	0.00	0	0	80	-1	-1	0
	6	0.03	0	0	90	-1	-1	0
	7	0.00	0	0	80	-1	-1	0
	8	0.00	0	0	80	-1	-1	0
	9	0.00	0	0	80	-1	-1	0
	10	0.01	0	0	70	-1	-1	0
	11	0.00	0	0	80	-1	-1	0
	12	0.00	0	0	70	-1	-1	0
	13	0.00	0	0	70	-1	-1	0
	14	0.00	0	0	80	-1	-1	0
	15	0.00	0	0	80	-1	-1	0
	16	0.00	0	0	70	-1	-1	0
	17	0.00	0	0	80	-1	-1	0
	18	0.00	0	0	70	-1	-1	0
	19	0.00	0	0	80	-1	-1	0
	20	0.00	0	0	80	-1	-1	0
	21	0.00	0	0	80	-1	-1	0
	22	0.00	0	0	70	-1	-1	0
	23	0.00	0	0	80	-1	-1	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 15	0	0.00	0	0	80	-1	-1	0
	1	0.05	0	0	160	-1	-1	0
	2	0.01	0	0	180	-1	-1	0
	3	0.01	0	0	150	-1	-1	0
	4	0.00	0	0	80	-1	-1	0
	5	0.01	0	0	80	-1	-1	0
	6	0.00	0	0	80	-1	-1	0
	7	0.00	0	0	70	-1	-1	0
	8	0.00	0	0	80	-1	-1	0
	9	0.00	0	0	80	-1	-1	0
	10	0.00	0	0	80	-1	-1	0
	11	0.00	0	0	50	-1	-1	0
	12	0.00	0	0	50	-1	-1	0
	13	0.00	0	0	40	-1	-1	0
	14	0.00	0	0	40	-1	-1	0
	15	0.00	0	0	40	-1	-1	0
	16	0.00	0	0	30	-1	-1	0
	17	0.00	0	-1	30	-1	-1	0
	18	0.00	0	-1	30	-1	-1	0
	19	0.01	9	-1	30	-1	-1	0
	20	0.06	11	-1	460	-1	18	2
	21	0.12	2	-1	840	-1	26	14
	22	0.04	13	-1	530	-1	50	15
	23	0.10	60	-1	1100	-1	101	93
FEB 16	0	0.08	5	-1	840	-1	131	71
	1	0.05	2	-1	690	-1	138	75
	2	0.02	94	-1	440	-1	144	63
	3	0.07	110	-1	760	-1	134	103
	4	0.02	5	-1	390	-1	153	76
	5	0.01	7	-1	300	-1	129	77
	6	0.01	127	-1	310	-1	131	79
	7	0.06	176	-1	760	-1	162	234
	8	0.09	0	-1	880	-1	198	240
	9	0.01	0	0	390	-1	179	114
	10	0.00	0	0	310	-1	156	92
	11	0.00	0	0	240	-1	159	77
	12	0.00	0	0	220	-1	234	63
	13	0.00	0	0	190	-1	257	52
	14	0.00	0	0	160	-1	284	38
	15	0.00	0	0	160	-1	265	38
	16	0.00	0	0	150	-1	250	38
	17	0.00	0	0	150	-1	236	38
	18	0.00	0	0	140	-1	221	38
	19	0.00	0	0	140	-1	204	38
	20	0.00	0	0	130	-1	190	38
	21	0.00	0	0	120	-1	177	38
	22	0.00	0	0	110	-1	170	38
	23	0.03	0	0	110	-1	162	38

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 17	0	0.00	0	0	100	-1	157	38
	1	0.00	0	0	150	-1	143	38
	2	0.00	0	0	110	-1	142	38
	3	0.00	0	0	70	-1	142	38
	4	0.00	0	0	80	-1	127	38
	5	0.00	0	0	80	-1	124	38
	6	0.00	0	0	80	-1	124	38
	7	0.00	0	0	80	-1	124	38
	8	0.00	0	0	70	-1	121	38
	9	0.00	0	0	80	-1	107	38
	10	0.00	0	0	80	-1	106	38
	11	0.00	0	0	80	-1	99	38
	12	0.00	0	0	80	-1	78	38
	13	0.00	0	0	80	-1	71	39
	14	0.00	0	0	70	-1	71	38
	15	0.00	0	0	80	-1	71	38
	16	0.00	0	0	80	-1	71	38
	17	0.00	0	0	80	-1	71	38
	18	0.00	0	0	80	-1	71	38
	19	0.00	0	0	70	-1	71	38
	20	0.02	0	0	150	-1	64	39
	21	0.00	0	0	110	-1	53	38
	22	0.00	0	0	80	-1	53	38
	23	0.03	2	0	350	-1	72	209
FEB 18	0	0.14	63	0	2120	-1	134	897
	1	0.06	24	0	1320	-1	197	475
	2	0.11	45	15	1540	-1	248	1238
	3	0.11	79	47	2810	-1	371	1502
	4	0.01	4	0	680	-1	336	440
	5	0.02	4	0	440	-1	295	402
	6	0.03	17	0	530	-1	283	419
	7	0.00	6	0	380	-1	270	346
	8	0.01	5	0	290	-1	253	301
	9	0.00	1	0	240	-1	236	267
	10	0.00	0	0	230	-1	222	253
	11	0.00	0	0	230	-1	209	228
	12	0.06	18	0	480	-1	210	633
	13	0.05	59	0	870	-1	269	605
	14	0.05	21	0	680	-1	373	647
	15	0.12	106	73	1880	-1	437	883
	16	0.04	10	0	1080	-1	483	-1
	17	0.02	0	0	720	-1	477	-1
	18	0.00	0	0	630	-1	459	-1
	19	0.00	0	0	350	-1	431	-1
	20	0.00	0	0	260	-1	408	-1
	21	0.00	0	0	250	-1	384	-1
	22	0.00	0	0	240	-1	362	-1
	23	0.00	0	0	240	-1	347	-1

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 19	0	0.00	0	0	230	-1	328	-1
	1	0.00	-1	0	710	-1	349	-1
	2	0.00	-1	0	450	-1	355	-1
	3	0.16	-1	447	4460	-1	440	2159
	4	0.06	-1	102	1830	-1	511	324
	5	0.03	-1	17	1210	-1	515	-1
	6	0.00	-1	0	450	-1	468	-1
	7	0.01	-1	0	440	-1	433	-1
	8	0.01	-1	0	350	-1	407	-1
	9	0.00	-1	0	310	-1	382	-1
	10	0.00	-1	202	460	-1	367	-1
	11	0.09	-1	13	1230	-1	390	-1
	12	0.00	0	0	280	-1	400	-1
	13	0.00	0	0	220	-1	359	-1
	14	0.00	0	0	150	-1	341	-1
	15	0.01	0	0	230	-1	320	-1
	16	0.00	0	0	200	-1	303	-1
	17	0.00	0	0	160	-1	290	-1
	18	0.00	0	0	150	-1	281	-1
	19	0.00	0	0	160	-1	268	-1
	20	0.01	0	0	160	-1	265	-1
	21	0.00	0	0	150	-1	253	-1
	22	0.00	0	0	160	-1	235	-1
	23	0.00	0	0	150	-1	223	-1
FEB 20	0	0.00	0	0	160	-1	212	-1
	1	0.00	0	0	150	-1	207	-1
	2	0.00	0	0	140	-1	195	-1
	3	0.00	0	0	80	-1	190	-1
	4	0.00	0	0	80	-1	177	-1
	5	0.00	0	0	80	-1	177	-1
	6	0.00	0	0	70	-1	161	-1
	7	0.00	0	0	80	-1	159	-1
	8	0.00	0	0	80	-1	160	-1
	9	0.00	0	0	80	-1	146	-1
	10	0.00	0	0	80	-1	142	-1
	11	0.00	0	0	70	-1	142	-1
	12	0.00	0	0	80	-1	142	-1
	13	0.00	0	0	80	-1	121	-1
	14	0.00	0	0	80	-1	94	-1
	15	0.00	0	0	80	-1	89	76
	16	0.00	0	0	70	-1	89	76
	17	0.00	0	0	80	-1	88	76
	18	0.00	0	0	80	-1	90	77
	19	0.00	0	0	80	-1	88	76
	20	0.00	0	0	80	-1	89	76
	21	0.00	0	0	80	-1	74	76
	22	0.00	0	0	70	-1	71	77
	23	0.00	0	0	80	-1	72	76

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 21	0	0.00	0	0	80	-1	71	76
	1	0.00	0	0	80	-1	71	76
	2	0.00	0	0	80	-1	70	77
	3	0.00	0	0	70	-1	71	76
	4	0.00	0	0	80	-1	71	76
	5	0.00	0	0	80	-1	63	76
	6	0.00	0	0	80	-1	54	77
	7	0.00	0	0	80	-1	55	76
	8	0.00	0	0	70	-1	53	76
	9	0.00	0	0	80	-1	53	76
	10	0.00	0	0	80	-1	53	76
	11	0.00	0	0	80	-1	53	77
	12	0.00	0	0	80	-1	53	76
	13	0.00	0	0	80	-1	54	76
	14	0.00	0	0	70	-1	53	76
	15	0.00	0	0	80	-1	53	77
	16	0.00	0	0	80	-1	54	76
	17	0.00	0	0	80	-1	53	76
	18	0.00	0	0	80	-1	52	76
	19	0.00	0	0	80	-1	53	77
	20	0.00	0	0	70	-1	53	76
	21	0.00	0	0	80	-1	48	76
	22	0.00	0	0	80	-1	43	38
	23	0.00	0	0	80	-1	35	38
FEB 22	0	0.00	0	0	80	-1	36	38
	1	0.00	0	0	70	-1	35	38
	2	0.00	0	0	80	-1	35	38
	3	0.00	0	0	80	-1	36	38
	4	0.00	0	0	80	-1	36	39
	5	0.00	0	0	80	-1	35	38
	6	0.00	0	0	80	-1	36	38
	7	0.00	0	0	70	-1	35	38
	8	0.00	0	0	80	-1	35	38
	9	0.00	0	0	80	-1	36	38
	10	0.00	0	0	80	-1	35	38
	11	0.00	0	0	40	-1	36	39
	12	0.00	0	0	0	-1	35	36
	13	0.00	0	0	0	-1	36	36
	14	0.00	0	0	0	-1	35	36
	15	0.00	0	0	0	-1	36	36
	16	0.00	0	0	0	-1	35	36
	17	0.00	0	0	0	-1	35	36
	18	0.00	0	0	0	-1	36	36
	19	0.00	0	0	0	-1	35	36
	20	0.00	0	0	0	-1	36	36
	21	0.00	0	0	0	-1	35	36
	22	0.00	0	0	0	-1	36	36
	23	0.00	0	0	0	-1	35	36

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 23	0	0.00	0	0	0	-1	36	36
	1	0.00	0	0	0	-1	35	36
	2	0.00	0	0	0	-1	36	36
	3	0.00	0	0	0	-1	35	36
	4	0.00	0	0	0	-1	35	36
	5	0.00	0	0	0	-1	35	36
	6	0.00	0	0	0	-1	35	36
	7	0.00	0	0	0	-1	36	36
	8	0.00	0	0	0	-1	35	36
	9	0.00	0	0	0	-1	36	36
	10	0.00	0	0	0	-1	35	36
	11	0.00	0	0	0	-1	36	36
	12	0.00	0	0	0	-1	35	36
	13	0.00	0	0	0	-1	36	37
	14	0.00	0	0	0	1918	34	38
	15	0.00	0	0	0	1837	35	38
	16	0.01	0	0	0	1968	36	39
	17	0.00	0	0	0	1984	35	38
	18	0.00	0	0	0	1984	36	38
	19	0.01	0	0	0	1869	35	38
	20	0.01	0	0	40	1853	36	38
	21	0.02	0	0	80	2085	35	38
	22	0.01	0	0	70	2152	36	38
	23	0.04	0	0	120	2307	35	60
FEB 24	0	0.05	0	0	200	3524	35	77
	1	0.01	0	0	170	4609	35	52
	2	0.00	0	0	80	4076	34	38
	3	0.01	0	0	80	3444	34	39
	4	0.01	0	0	70	3287	33	38
	5	0.04	0	0	120	3346	30	59
	6	0.02	0	0	160	4118	30	53
	7	0.04	0	0	150	4631	30	76
	8	0.02	0	0	160	5412	29	68
	9	0.01	0	0	130	5597	27	38
	10	0.01	0	0	140	5504	18	40
	11	0.01	0	0	90	6989	18	38
	12	0.00	0	0	70	6717	18	38
	13	0.00	0	0	80	6473	18	38
	14	0.04	0	0	150	6089	18	56
	15	0.00	0	0	140	7264	18	38
	16	0.03	0	0	200	7542	18	48
	17	0.00	0	0	120	8371	18	38
	18	0.00	0	0	70	7365	18	38
	19	0.00	0	0	80	6717	18	38
	20	0.00	0	0	80	6113	18	38
	21	0.00	0	0	80	5620	18	38
	22	0.00	0	0	80	5321	18	39
	23	0.00	0	0	70	5028	18	38

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
FEB 25	0	0.00	0	0	80	4828	18	38
	1	0.00	0	0	80	4784	18	38
	2	0.00	0	0	80	4609	18	38
	3	0.00	0	0	80	4544	18	38
	4	0.00	0	0	80	4522	18	38
	5	0.00	0	0	70	4393	18	23
	6	0.00	0	0	80	4308	18	0
	7	0.00	0	0	80	4139	18	0
	8	0.00	0	0	80	4097	18	0
	9	0.00	0	0	70	4034	18	0
	10	0.00	0	0	10	3930	18	0
	11	0.00	0	0	0	3910	18	0
	12	0.00	0	0	0	3910	18	0
	13	0.00	0	0	0	3868	18	0
	14	0.00	0	0	0	3807	18	0
	15	0.00	0	0	0	3725	18	0
	16	0.00	0	0	0	3685	18	0
	17	0.00	0	0	0	3524	17	0
	18	0.00	0	0	0	3484	18	0
	19	0.00	0	0	0	3425	18	0
	20	0.00	0	0	0	3425	18	0
	21	0.00	0	0	0	3425	17	0
	22	0.00	0	0	0	3326	18	0
	23	0.00	0	0	0	3287	18	0
FEB 26	0	0.00	0	0	0	3248	18	0
	1	0.00	0	0	0	3209	17	0
	2	0.00	0	0	0	3209	18	0
	3	0.00	0	0	0	3075	18	0
	4	0.00	0	0	0	3094	17	0
	5	0.00	0	0	0	3094	18	0
	6	0.00	0	0	0	3094	18	0
	7	0.00	0	0	0	3037	18	0
	8	0.00	0	0	0	2999	17	0
	9	0.04	0	0	0	2961	18	0
	10	0.02	0	0	0	3094	17	34
	11	0.00	0	0	0	4160	18	0
	12	0.00	0	0	0	4436	17	0
	13	0.01	0	0	0	3868	18	0
	14	0.00	0	0	0	3705	18	0
	15	0.00	0	0	0	3746	18	0
	16	0.00	0	0	0	3584	17	0
	17	0.00	0	0	0	3405	18	0
	18	0.00	0	0	0	3209	18	0
	19	0.00	0	0	0	3094	18	0
	20	0.00	0	0	0	3229	17	0
	21	0.00	0	0	0	3307	18	0
	22	0.00	0	0	0	3152	18	0
	23	0.00	0	0	0	3094	17	0



HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3	DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1 (CUBIC FEET/HR)	E4V1	E4F3
FEB 27	0	0.00	0	0	0	3037	16	0	MAR 1	0	0.00	0	0	0	1129	0	0
	1	0.00	0	0	0	2923	16	0		1	0.00	0	0	0	1129	0	0
	2	0.00	0	0	0	2905	14	0		2	0.00	0	0	0	1129	0	0
	3	0.00	0	0	0	2886	14	0		3	0.00	0	0	0	1115	0	0
	4	0.00	0	0	0	2886	15	0		4	0.00	0	0	0	1129	0	0
	5	0.00	0	0	0	2923	13	0		5	0.00	0	0	0	1129	0	0
	6	0.00	0	0	0	2980	13	0		6	0.00	0	0	0	1115	0	0
	7	0.00	0	0	0	2905	13	0		7	0.00	0	0	0	1101	0	0
	8	0.00	0	0	0	2886	11	0		8	0.00	0	0	0	1101	0	0
	9	0.00	0	0	0	2867	12	0		9	0.00	0	0	0	1101	0	0
	10	0.00	0	0	0	2886	10	0		10	0.00	0	0	0	1101	0	0
	11	0.00	0	0	0	2886	11	0		11	0.00	0	0	0	1101	0	0
	12	0.00	0	0	0	2848	11	0		12	0.00	0	0	0	1101	0	0
	13	0.00	0	0	0	2395	4	0		13	0.00	0	0	0	1047	0	0
	14	0.00	0	0	0	1772	1	0		14	0.00	0	0	0	967	0	0
	15	0.00	0	0	0	1677	0	0		15	0.00	0	0	0	825	0	0
	16	0.00	0	0	0	1646	0	0		16	0.00	0	0	0	813	0	0
	17	0.00	0	0	0	1646	0	0		17	0.00	0	0	0	599	0	0
	18	0.03	0	0	0	1646	0	0		18	0.00	0	0	0	532	0	0
	19	0.00	0	0	0	1661	0	0		19	0.00	0	0	0	633	0	0
	20	0.00	0	0	0	1492	0	0		20	0.00	0	0	0	633	0	0
	21	0.00	0	0	0	1507	0	0		21	0.00	0	0	0	576	0	0
	22	0.00	0	0	0	1568	0	0		22	0.00	0	0	0	576	0	0
	23	0.00	0	0	0	1614	0	0		23	0.00	0	0	0	576	0	0
FEB 28	0	0.00	0	0	0	1599	0	0	MAR 2	0	0.00	0	0	0	587	0	0
	1	0.00	0	0	0	1599	0	0		1	0.00	0	0	0	621	0	0
	2	0.00	0	0	0	1402	0	0		2	0.00	0	0	0	621	0	0
	3	0.00	0	0	0	1357	0	0		3	0.00	0	0	0	656	0	0
	4	0.00	0	0	0	1357	0	0		4	0.00	0	0	0	644	0	0
	5	0.00	0	0	0	1314	0	0		5	0.00	0	0	0	644	0	0
	6	0.00	0	0	0	1285	0	0		6	0.00	0	0	0	610	0	0
	7	0.00	0	0	0	1256	0	0		7	0.00	0	0	0	543	0	0
	8	0.00	0	0	0	1227	0	0		8	0.00	0	0	0	543	0	0
	9	0.00	0	0	0	1213	0	0		9	0.00	0	0	0	543	0	0
	10	0.00	0	0	0	1213	0	0		10	0.00	0	0	0	543	0	0
	11	0.00	0	0	0	1213	0	0		11	0.00	0	0	0	554	0	0
	12	0.00	0	0	0	1213	0	0		12	0.00	0	0	0	554	0	0
	13	0.00	0	0	0	1185	0	0		13	0.00	0	0	0	397	0	0
	14	0.00	0	0	0	1171	0	0		14	0.00	0	0	0	914	0	0
	15	0.00	0	0	0	1171	0	0		15	0.00	0	0	0	863	0	0
	16	0.00	0	0	0	1171	0	0		16	0.00	0	0	0	838	0	0
	17	0.00	0	0	0	1171	0	0		17	0.00	0	0	0	838	0	0
	18	0.00	0	0	0	1157	0	0		18	0.00	0	0	0	838	0	0
	19	0.00	0	0	0	1157	0	0		19	0.00	0	0	0	813	0	0
	20	0.00	0	0	0	1143	0	0		20	0.00	0	0	0	838	0	0
	21	0.00	0	0	0	1143	0	0		21	0.00	0	0	0	863	0	0
	22	0.00	0	0	0	1129	0	0		22	0.00	0	0	0	876	0	0
	23	0.00	0	0	0	1143	0	0		23	0.00	0	0	0	889	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
MAR 3	0	0.00	0	0	0	889	0	0
	1	0.00	0	0	0	876	0	0
	2	0.00	0	0	0	863	0	0
	3	0.00	0	0	0	876	0	0
	4	0.00	0	0	0	863	0	0
	5	0.00	0	0	0	876	0	0
	6	0.01	0	0	0	876	0	0
	7	0.01	0	0	0	902	0	0
	8	0.01	0	0	0	993	0	0
	9	0.02	0	0	0	1060	0	0
	10	0.01	0	0	0	1213	0	0
	11	0.02	0	0	0	1299	0	0
	12	0.02	0	0	20	1343	0	0
	13	0.01	0	0	50	1417	0	0
	14	0.03	0	0	60	1614	0	5
	15	0.03	0	0	70	1693	0	38
	16	0.03	0	0	80	2001	0	38
	17	0.03	0	0	130	2186	0	43
	18	0.02	0	0	210	2484	0	41
	19	0.09	0	0	210	3746	0	56
	20	0.10	0	0	1250	4696	3	143
	21	0.07	0	0	650	17855	5	114
	22	0.07	0	0	820	19732	45	128
	23	0.08	0	0	990	21382	85	155
MAR 4	0	0.07	0	0	1100	32409	160	200
	1	0.01	0	0	640	42571	225	156
	2	0.00	0	0	350	37699	188	117
	3	0.00	0	0	250	23917	165	114
	4	0.00	0	0	240	16726	135	114
	5	0.00	0	0	170	12814	135	115
	6	0.00	0	0	160	10560	100	113
	7	0.00	0	0	160	9500	93	81
	8	0.00	0	0	150	8636	90	76
	9	0.00	0	0	160	7824	90	77
	10	0.00	0	0	100	6693	90	76
	11	0.00	0	0	80	6717	90	76
	12	0.00	0	0	80	6353	90	59
	13	0.00	0	0	80	5924	90	40
	14	0.00	0	0	70	5435	90	38
	15	0.00	0	0	80	3848	90	38
	16	0.00	0	0	80	2756	90	38
	17	0.00	0	0	80	2646	90	32
	18	0.00	0	0	80	2537	90	9
	19	0.00	0	0	80	2430	84	0
	20	0.00	0	0	70	2255	73	0
	21	0.00	0	0	80	2152	72	0
	22	0.00	0	0	80	2051	73	0
	23	0.00	0	0	80	1951	72	0

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
MAR 5	0	0.00	0	0	80	1869	71	0
	1	0.00	0	0	70	1033	72	0
	2	0.00	0	0	80	-1	70	0
	3	0.00	0	0	80	-1	61	0
	4	0.00	0	0	80	-1	54	0
	5	0.00	0	0	80	-1	55	0
	6	0.00	0	0	60	-1	54	0
	7	0.00	0	0	30	-1	54	0
	8	0.00	0	0	10	-1	54	0
	9	0.00	0	0	0	-1	54	0
	10	0.00	0	0	0	-1	54	0
	11	0.00	0	0	0	-1	54	0
	12	0.00	0	0	0	-1	54	0
	13	0.00	0	0	0	-1	54	0
	14	0.00	0	0	0	-1	54	0
	15	0.00	0	0	0	-1	54	0
	16	0.00	0	0	0	-1	54	0
	17	0.00	0	0	0	-1	55	0
	18	0.00	0	0	0	-1	54	0
	19	0.00	0	0	0	-1	54	0
	20	0.00	0	0	0	-1	51	0
	21	0.00	0	0	0	-1	40	0
	22	0.00	0	0	0	-1	38	0
	23	0.00	0	0	0	-1	37	0
MAR 6	0	0.00	0	0	0	-1	53	0
	1	0.00	0	0	0	-1	55	0
	2	0.00	0	0	0	-1	54	0
	3	0.00	0	0	0	-1	54	0
	4	0.00	0	0	0	-1	54	0
	5	0.00	0	0	0	-1	54	0
	6	0.00	0	0	0	-1	54	0
	7	0.00	0	0	0	-1	54	0
	8	0.00	0	0	0	-1	54	0
	9	0.00	0	0	0	-1	54	0
	10	0.00	0	0	0	-1	54	0
	11	0.00	0	0	0	-1	37	0
	12	0.00	0	0	0	-1	36	0
	13	0.00	0	0	0	-1	36	0
	14	0.00	0	0	0	-1	37	0
	15	0.00	0	0	0	-1	36	0
	16	0.00	0	0	0	-1	36	0
	17	0.00	0	0	0	-1	37	0
	18	0.00	0	0	0	-1	36	0
	19	0.00	0	0	0	-1	36	0
	20	0.00	0	0	0	-1	37	0
	21	0.00	0	0	0	-1	36	0
	22	0.00	0	0	0	-1	36	0
	23	0.00	0	0	0	-1	37	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
MAR 7	0	0.01	0	0	0	-1	36	0
	1	0.03	0	0	0	-1	36	0
	2	0.00	0	0	0	-1	37	0
	3	0.00	0	0	0	-1	37	0
	4	0.00	0	0	0	-1	36	0
	5	0.00	0	0	0	-1	37	0
	6	0.01	0	0	0	-1	36	0
	7	0.00	0	0	0	-1	36	0
	8	0.00	0	0	0	-1	37	0
	9	0.01	0	0	0	-1	36	0
	10	0.01	0	0	0	-1	36	0
	11	0.00	0	0	0	-1	36	0
	12	0.00	0	0	0	-1	37	0
	13	0.00	0	0	0	-1	36	0
	14	0.00	0	0	0	-1	36	0
	15	0.00	0	0	0	-1	37	0
	16	0.01	0	0	0	-1	36	0
	17	0.00	0	0	0	-1	36	0
	18	0.00	0	0	0	-1	36	0
	19	0.00	0	0	0	-1	37	0
	20	0.00	0	0	0	-1	36	0
	21	0.00	0	0	0	-1	37	0
	22	0.00	0	0	0	-1	36	0
	23	0.00	0	0	0	-1	37	0
MAR 8	0	0.00	0	0	0	-1	36	0
	1	0.00	0	0	0	-1	36	0
	2	0.00	0	0	0	-1	37	0
	3	0.00	0	0	0	-1	36	0
	4	0.00	0	0	0	-1	37	0
	5	0.00	0	0	0	-1	36	0
	6	0.00	0	0	0	-1	36	0
	7	0.00	0	0	0	-1	37	0
	8	0.00	0	0	0	-1	39	0
	9	0.00	0	0	0	-1	40	0
	10	0.00	0	0	0	-1	36	0
	11	0.00	0	0	0	-1	36	0
	12	0.00	0	0	0	-1	37	0
	13	0.00	0	0	0	-1	36	0
	14	0.00	0	0	0	-1	36	0
	15	0.00	0	0	0	-1	36	0
	16	0.00	0	0	0	-1	37	0
	17	0.00	0	0	0	-1	36	0
	18	0.00	0	0	0	-1	36	0
	19	0.00	0	0	0	-1	37	0
	20	0.00	0	0	0	-1	37	0
	21	0.00	0	0	0	-1	36	0
	22	0.00	0	0	0	-1	36	0
	23	0.00	0	0	0	-1	37	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
MAR 9	0	0.00	0	0	0	-1	36	0
	1	0.00	0	0	0	-1	36	0
	2	0.00	0	0	0	-1	36	0
	3	0.00	0	0	0	-1	37	0
	4	0.00	0	0	0	-1	36	0
	5	0.00	0	0	0	-1	36	0
	6	0.00	0	0	0	-1	36	0
	7	0.00	0	0	0	-1	36	0
	8	0.00	0	0	0	-1	36	0
	9	0.00	0	0	0	-1	36	0
	10	0.00	0	0	0	-1	37	0
	11	0.00	0	0	0	-1	36	0
	12	0.00	0	0	0	-1	36	0
	13	0.00	0	0	0	-1	9	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	1	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	1	0
	18	0.00	0	0	0	-1	1	0
	19	0.00	0	0	0	-1	1	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	9	0
	22	0.00	0	0	0	-1	18	0
	23	0.00	0	0	0	-1	18	0
MAR 10	0	0.00	0	0	0	-1	19	0
	1	0.00	0	0	0	-1	18	0
	2	0.00	0	0	0	-1	18	0
	3	0.00	0	0	0	-1	18	0
	4	0.00	0	0	0	-1	19	0
	5	0.00	0	0	0	-1	18	0
	6	0.00	0	0	0	-1	18	0
	7	0.00	0	0	0	-1	19	0
	8	0.00	0	0	0	-1	18	0
	9	0.00	0	0	0	-1	18	0
	10	0.00	0	0	0	-1	18	0
	11	0.00	0	0	0	-1	19	0
	12	0.00	0	0	0	-1	18	0
	13	0.00	0	0	0	-1	18	0
	14	0.00	0	0	0	-1	6	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	1	0
	17	0.00	0	0	0	-1	1	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	12	0
	21	0.00	0	0	0	-1	19	0
	22	0.00	0	0	0	-1	18	0
	23	0.00	0	0	0	-1	18	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
MAR 11	0	0.00	0	0	0	-1	18	0
	1	0.00	0	0	0	-1	19	0
	2	0.00	0	0	0	-1	18	0
	3	0.00	0	0	0	-1	18	0
	4	0.00	0	0	0	-1	19	0
	5	0.00	0	0	0	-1	18	0
	6	0.00	0	0	0	-1	18	0
	7	0.00	0	0	0	-1	19	0
	8	0.00	0	0	0	-1	18	0
	9	0.00	0	0	0	-1	19	0
	10	0.00	0	0	0	-1	18	0
	11	0.00	0	0	0	-1	18	0
	12	0.00	0	0	0	-1	18	0
	13	0.00	0	0	0	-1	18	0
	14	0.00	0	0	0	-1	12	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	1	0
	17	0.00	0	0	0	-1	1	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	1	0
	20	0.00	0	0	0	-1	1	0
	21	0.00	0	0	0	-1	18	0
	22	0.00	0	0	0	-1	18	0
	23	0.00	0	0	0	-1	18	0
MAR 12	0	0.00	0	0	0	-1	18	0
	1	0.00	0	0	0	-1	19	0
	2	0.00	0	0	0	-1	18	0
	3	0.00	0	0	0	-1	18	0
	4	0.00	0	0	0	-1	19	0
	5	0.00	0	0	0	-1	18	0
	6	0.00	0	0	0	-1	18	0
	7	0.00	0	0	0	-1	19	0
	8	0.00	0	0	0	-1	18	0
	9	0.00	0	0	0	-1	18	0
	10	0.00	0	0	0	-1	18	0
	11	0.00	0	0	0	-1	19	0
	12	0.00	0	0	0	-1	18	0
	13	0.00	0	0	0	-1	4	0
	14	0.00	0	0	0	-1	1	0
	15	0.00	0	0	0	-1	1	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	1	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	1	0
	20	0.00	0	0	0	-1	4	0
	21	0.00	0	0	0	-1	18	0
	22	0.00	0	0	0	-1	19	0
	23	0.00	0	0	0	-1	18	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			----- (CUBIC FEET/HR) -----					
MAR 13	0	0.00	0	0	0	-1	18	0
	1	0.00	0	0	0	-1	18	0
	2	0.00	0	0	0	-1	19	0
	3	0.00	0	0	0	-1	18	0
	4	0.00	0	0	0	-1	18	0
	5	0.00	0	0	0	-1	18	0
	6	0.00	0	0	0	-1	18	0
	7	0.00	0	0	0	-1	19	0
	8	0.00	0	0	0	-1	18	0
	9	0.00	0	0	0	-1	18	0
	10	0.00	0	0	0	-1	18	0
	11	0.00	0	0	0	-1	18	0
	12	0.00	0	0	0	-1	19	0
	13	0.00	0	0	0	-1	3	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	1	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	1	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	1	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 14	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	1	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	1	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	1	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	1	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	1	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	1	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	1	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	1	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 15	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.01	0	0	0	-1	0	0
	5	0.05	0	0	0	-1	0	0
	6	0.07	0	0	0	-1	0	0
	7	0.08	0	0	1	-1	0	0
	8	0.05	0	0	8	-1	0	0
	9	0.03	0	0	3	-1	0	0
	10	0.01	0	0	0	-1	0	0
	11	0.01	0	0	0	-1	0	0
	12	0.02	0	0	0	-1	0	0
	13	0.02	0	0	0	-1	0	0
	14	0.01	0	0	0	-1	0	0
	15	0.03	0	0	0	-1	0	0
	16	0.01	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.01	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 16	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 17	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 18	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.02	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.01	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
MAR 19	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 20	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.03	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.01	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2	E3C1	E4V1	E4F3
			(CUBIC FEET/HR)					
MAR 21	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.04	0	0	0	-1	0	0
	13	0.17	0	0	0	-1	0	0
	14	0.01	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.01	0	0	0	-1	0	0
	20	0.01	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.03	0	0	0	-1	0	0
MAR 22	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.01	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.01	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.01	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 23	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.02	0	0	0	-1	0	0
	7	0.08	0	0	0	-1	0	0
	8	0.03	0	0	0	-1	0	0
	9	0.04	0	0	0	-1	0	0
	10	0.01	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 24	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.02	0	0	0	-1	0	0
	17	0.01	0	0	0	-1	0	0
	18	0.01	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.01	0	0	0	-1	0	0
	21	0.04	0	0	0	-1	0	0
	22	0.01	0	0	0	-1	0	0
	23	0.01	0	0	0	-1	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 25	0	0.06	0	0	0	-1	0	0
	1	0.06	0	0	0	-1	0	0
	2	0.02	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.17	0	0	70	-1	0	0
	21	0.14	0	0	130	-1	0	0
	22	0.05	0	0	0	-1	0	0
	23	0.06	0	0	0	-1	0	0
MAR 26	0	0.04	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.01	0	0	480	-1	6	0
	3	0.15	0	0	260	-1	32	0
	4	0.00	0	0	70	-1	37	0
	5	0.00	0	0	60	-1	35	0
	6	0.00	0	0	0	-1	20	0
	7	0.00	0	0	0	-1	20	0
	8	0.00	0	0	0	-1	18	0
	9	0.00	0	0	0	-1	18	0
	10	0.00	0	0	0	-1	19	0
	11	0.00	0	0	0	-1	18	0
	12	0.00	0	0	0	-1	18	0
	13	0.00	0	0	0	-1	4	0
	14	0.00	0	0	0	-1	1	0
	15	0.00	0	0	0	-1	1	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 27	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 28	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

DATE	HR	PRECIP (IN/HR)	E1F1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 29	0	0.00	0	0	0	-1	0	0
	1	0.01	0	0	0	-1	0	0
	2	0.10	0	0	80	-1	0	0
	3	0.01	0	0	10	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.01	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.02	0	0	0	-1	0	0
	11	0.10	0	0	10	-1	0	0
	12	0.04	0	0	150	-1	0	0
	13	0.00	0	0	40	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
MAR 30	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.02	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.03	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0



HOURLY PRECIPITATION AND FLOW 1980/81 (CONT.)

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
MAR 31	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.02	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.02	0	0	0	-1	0	0
	5	0.04	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.01	0	0	0	-1	0	0
	8	0.06	0	0	0	-1	0	0
	9	0.03	0	0	0	-1	0	0
	10	0.11	0	0	0	-1	0	0
	11	0.08	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.02	0	0	0	-1	0	0
	18	0.06	0	0	0	-1	0	0
	19	0.01	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0
APR 1	0	0.00	0	0	0	-1	0	0
	1	0.00	0	0	0	-1	0	0
	2	0.00	0	0	0	-1	0	0
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	5
	5	0.01	0	0	0	-1	0	38
	6	0.00	0	0	0	-1	0	38
	7	0.00	0	0	0	-1	0	39
	8	0.00	0	0	0	-1	0	38
	9	0.00	0	0	0	-1	0	38
	10	0.00	0	0	0	-1	0	37
	11	0.00	0	0	0	-1	0	37
	12	0.00	0	0	0	-1	0	36
	13	0.01	0	0	0	-1	0	35
	14	0.00	0	0	0	-1	0	38
	15	0.01	0	0	0	-1	0	38
	16	0.00	0	0	0	-1	0	39
	17	0.00	0	0	0	-1	0	38
	18	0.00	0	0	0	-1	0	38
	19	0.00	0	0	0	-1	0	38
	20	0.00	0	0	0	-1	0	39
	21	0.00	0	0	0	-1	0	38
	22	0.00	0	0	0	-1	0	38
	23	0.00	0	0	0	-1	0	38

DATE	HR	PRECIP (IN/HR)	EIF1	E4F1	E4F2 (CUBIC	E3C1 FEET/HR)	E4V1	E4F3
APR 2	0	0.00	0	0	0	-1	0	38
	1	0.00	0	0	0	-1	0	38
	2	0.00	0	0	0	-1	0	28
	3	0.00	0	0	0	-1	0	0
	4	0.00	0	0	0	-1	0	0
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.02	0	0	0	-1	0	23
	13	0.01	0	0	0	-1	0	39
	14	0.03	0	0	30	-1	0	43
	15	0.00	0	0	80	-1	0	39
	16	0.00	0	0	0	-1	0	38
	17	0.00	0	0	0	-1	0	38
	18	0.00	0	0	0	-1	0	38
	19	0.00	0	0	0	-1	0	39
	20	0.00	0	0	0	-1	0	36
	21	0.00	0	0	0	-1	0	23
	22	0.00	0	0	0	-1	0	39
	23	0.00	0	0	0	-1	0	38
APR 3	0	0.00	0	0	0	-1	0	38
	1	0.00	0	0	0	-1	0	37
	2	0.00	0	0	0	-1	0	38
	3	0.00	0	0	0	-1	0	38
	4	0.00	0	0	0	-1	0	10
	5	0.00	0	0	0	-1	0	0
	6	0.00	0	0	0	-1	0	0
	7	0.00	0	0	0	-1	0	0
	8	0.00	0	0	0	-1	0	0
	9	0.00	0	0	0	-1	0	0
	10	0.00	0	0	0	-1	0	0
	11	0.00	0	0	0	-1	0	0
	12	0.00	0	0	0	-1	0	0
	13	0.00	0	0	0	-1	0	0
	14	0.00	0	0	0	-1	0	0
	15	0.00	0	0	0	-1	0	0
	16	0.00	0	0	0	-1	0	0
	17	0.00	0	0	0	-1	0	0
	18	0.00	0	0	0	-1	0	0
	19	0.00	0	0	0	-1	0	0
	20	0.00	0	0	0	-1	0	0
	21	0.00	0	0	0	-1	0	0
	22	0.00	0	0	0	-1	0	0
	23	0.00	0	0	0	-1	0	0

## APPENDIX B

### Hourly Suspended Sediment Concentrations

This Appendix contains a complete record of suspended sediment concentrations for the five watersheds and mainline outlet used in the Elkins Road watershed study. The data are presented as an hourly time series for only those hours when samples were collected. Suspended sediment concentrations are listed in units of parts per million. These data are also contained on a magnetic tape file (see Section 4).

## SUSPENDED SEDIMENT CONCENTRATIONS (MG/L)

ElF1 (1978-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
11079	3	2537	30779	12	474	11280	9	186	11380	22	20	122580	11	2693			
11079	5	1846				11280	10	215	11380	23	54	122580	13	11329			
11079	6	1641	120479	8	57	11280	11	62	11480	0	65	120280	11	3565	122580	14	7857
11079	7	868	122379	11	406	11280	12	11	11480	1	36	120280	12	2999	122580	15	7500
11079	8	699	122379	13	108	11280	13	120	11480	2	97	120380	13	2639	122580	16	8729
11179	3	4196	122379	14	116	11280	14	156	11480	3	109	120480	16	1644	122580	17	7310
11179	4	1459	122479	2	48	11280	15	38	11480	4	54	120480	19	2403	122580	19	2329
11179	5	2844	122479	5	54	11280	16	9	11480	5	146	120480	23	3369	122580	20	12647
11179	6	2368	122479	8	68	11280	17	48	11480	6	71	120580	6	2218	122580	21	454
20879	16	1980	10980	9	276	11280	18	43	11480	7	23	120580	15	704	122580	23	605
21079	11	1608	10980	10	2170	11280	19	14	11480	8	9	120680	3	500	122680	2	574
21079	12	2946	10980	11	625	11280	20	14	11480	9	34	120780	2	500	122680	6	1000
21079	14	2637	10980	12	310	11280	21	75	11480	10	31	122180	15	2154	122680	8	1352
21079	15	1307	10980	13	216	11280	22	4	11480	11	0	122180	17	2663	122680	11	230
21079	17	1369	10980	14	128	11280	23	26	11480	12	37	122180	19	2339	122680	14	153
21079	20	233	10980	15	100	11380	0	63	11480	13	0	122180	20	73	122680	17	199
21179	17	1190	10980	16	142	11380	1	67	11480	14	28	122180	21	1437	122680	21	224
21179	18	753	10980	17	131	11380	2	59	11480	15	85	122480	4	2534	122680	23	733
21279	10	1267	10980	18	111	11380	3	0	11480	16	34	122480	9	1131	122780	0	3642
21279	12	759	10980	20	70	11380	5	456	11480	17	26	122480	11	3236	122780	1	1114
21279	13	527	10980	21	54	11380	6	895	11480	18	0	122480	12	3130	122780	3	483
21279	14	209	10980	22	17	11380	7	287	11480	20	14	122480	13	8119	122780	4	662
21279	15	193	10980	23	53	11380	8	242	11480	21	23	122480	14	5466	122780	5	244
21279	16	651	11080	0	51	11380	9	191	11480	23	54	122480	15	6295	122780	6	207
21279	18	182	11080	1	65	11380	10	119	11580	1	26	122480	16	11745	122780	7	165
21279	20	224	11080	16	85	11380	11	11	11580	4	34	122480	17	5107	122780	8	165
21279	23	563	11080	18	62	11380	12	88	11580	6	9	122480	19	724	122780	9	168
21379	1	301	11080	21	116	11380	13	154	11580	7	37	122480	20	906	122780	11	180
21379	4	193	11180	15	145	11380	14	26	11580	8	576	122480	21	491	122780	12	190
21379	7	156	11180	18	140	11380	15	51	11580	9	449	122580	1	1381	21381	23	2662
21379	11	233	11180	20	68	11380	16	24	11580	10	51	122580	2	2639	21681	7	150
21379	16	199	11280	4	12	11380	17	43	11580	11	26	122580	4	2369	21681	19	1738
21679	13	1099	11280	5	199	11380	18	14	11580	13	3	122580	5	730	21881	2	100
21779	17	514	11280	6	947	11380	19	14	11580	19	3	122580	7	452	21981	22	9715
21779	19	196	11280	7	482	11380	20	102	11680	0	5	122580	8	1193	30581	2	7127
21779	23	210	11280	8	205	11380	21	24	11680	15	5						

## SUSPENDED SEDIMENT CONCENTRATIONS (MG/L)

E4F1 (1977-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
112477	19	256	121377	10	222	11179	5	6629	21179	17	1233	30579	4	1142	11480	8	9324
112477	22	1309	121377	12	906	11179	6	7013	21179	20	608	30579	5	338	11480	9	8339
112477	23	14451	121377	14	239	11179	7	2454	21179	21	403	30579	7	213	11480	10	2329
112577	0	5376	121477	4	1997	11179	9	3679	21279	1	321	30579	8	182	11480	11	360
112577	1	26310	121477	8	7819	11179	12	7818	21279	6	276	30579	11	119	11680	9	360
112577	2	24708	121477	13	347	11179	13	5054	21279	11	815	30579	21	327	20180	11	360
112577	6	1509	121477	22	5994	11179	14	3327	21279	13	457	30679	5	355	20180	16	360
112577	7	247	121477	23	7254	11179	20	1622	21279	16	406						
112577	9	5013	121577	0	3886	11279	1	4241	21279	19	259	102079	14	2121	110780	1	2959
112577	10	4941	121577	4	1284	11279	2	5123	21379	7	250	102579	1	3286	112180	12	2959
112577	11	632	121577	10	27334	11279	3	574	21379	20	300	120279	0	12523	112180	15	1815
112577	14	799	121577	13	719	11279	14	3372	21479	19	300	120279	1	5553	112180	16	1306
112577	17	276	121877	12	500	11279	21	3456	21579	10	300	120279	3	1810	112180	17	3150
112677	1	281	121877	16	500	11379	12	3204	21679	13	1508	120279	4	1625	112980	0	3400
112777	3	342	121977	13	200	11479	0	18011	21679	15	4358	120279	5	1073	112980	1	1221
112777	13	322	10378	21	150	11479	1	8184	21679	16	605	120279	6	1541	112980	2	3406
113077	5	301	10478	13	150	11479	2	7747	21679	22	821	121879	0	5744	112980	22	3132
113077	12	295	10578	10	6761	11479	6	2852	21779	3	216	121879	5	5290	120280	0	1733
120277	12	1125	10578	15	7079	11479	12	889	21779	16	196	122079	19	4362	120280	1	1619
120277	22	334	10578	16	10843	11479	19	1457	21779	23	455	122079	20	1798	120480	9	1832
120277	23	426	10578	17	1511	20679	19	21292	21879	6	202	122179	9	2048	122180	19	1646
120377	2	334	10678	0	489	20679	20	39396	21979	3	9176	10580	1	1781	122180	21	1938
120377	5	313	11278	23	153	20679	21	24278	21979	10	1014	10980	2	11960	122480	4	1485
120477	23	307	11378	10	150	20679	22	15257	22079	12	3310	10980	3	10706	122480	5	1308
120677	5	351	11778	12	233	20679	23	9752	22079	15	592	10980	4	8959	122480	6	1425
120677	21	315	11878	5	200	20779	0	6926	22179	4	200	10980	5	11798	122480	7	1624
120877	6	301	12178	4	500	20779	1	5392	22479	0	200	10980	6	11798	122480	8	1746
121177	2	1290	12178	9	200	20779	2	8495	22479	12	200	10980	9	1733	122480	10	1847
121177	3	301	12178	15	200	20779	3	5937	22779	8	8056	10980	11	1000	122480	11	1640
121177	4	4764	20178	18	500	20779	4	2898	22779	9	1673	10980	18	500	122480	12	1705
121177	5	4174	20278	3	200	20779	8	957	22779	11	605	11180	20	1293	122480	13	1270
121177	6	733	20278	11	71	20779	14	617	22779	15	230	11280	3	2753	122480	14	1497
121177	8	2472	20278	15	50	20779	20	426	30379	1	3173	11280	5	6069	122480	15	1072
121177	10	236	21478	2	200	20879	4	386	30379	2	3827	11280	6	12609	122480	16	3870
121177	17	10375	42278	8	50	20879	17	528	30379	3	767	11280	7	6019	122480	20	3263
121177	18	1119	51578	1	50	20979	1	395	30379	5	1020	11280	8	2830	122580	0	3160
121277	1	153				20979	14	528	30379	6	1011	11280	9	3401	122580	5	6537
121277	14	261	121178	12	1000	21079	8	901	30379	7	2051	11280	10	1011	122580	10	8389
121277	18	1730	11079	3	2661	21079	11	2417	30379	8	591	11280	13	3155	122580	15	11539
121277	20	554	11079	4	1421	21079	12	3146	30379	9	278	11280	14	895	122580	16	11604
121277	21	417	11079	5	4313	21079	14	7770	30379	11	227	11280	22	1156	122580	17	17823
121277	23	205	11079	6	2910	21079	15	6460	30379	17	361	11380	0	824	122580	18	13815
121377	1	1062	11079	13	3682	21079	16	1591	30379	21	145	11380	1	1935	122580	19	11093
121377	2	945	11079	17	5071	21079	17	2527	30479	5	102	11380	3	1171	122580	21	10221
121377	3	1460	11079	21	5105	21079	19	713	30479	22	801	11380	4	827	122580	22	7687
121377	4	5208	11179	1	4926	21079	22	276	30579	0	2491	11380	5	4139	21881	15	19067
121377	5	610	11179	2	3757	21179	3	540	30579	1	4557	11380	6	514	21981	3	14687
121377	8	3114	11179	3	12366	21179	7	367	30579	2	1624	11380	8	300	21981	10	9590
121377	9	347	11179	4	8317	21179	14	327	30579	3	3358	11380	12	400			

SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4F2 (1977-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
120477	1	105	121577	4	1287	121178	0	781	121678	12	125	11179	17	409	20779	0	5390
120677	1	153	121577	7	545	121178	1	622	121678	17	111	11179	21	230	20779	1	4812
120777	6	114	121577	11	483	121178	2	298	121678	22	122	11279	3	244	20779	2	6454
120777	17	368	121577	16	180	121178	3	253	121778	4	105	11279	10	253	20779	3	13237
120877	4	266	121577	22	88	121178	4	270	121778	11	99	11279	13	2040	20779	4	4042
120877	16	165	121677	5	216	121178	6	301	121778	15	102	11279	15	1355	20779	5	2477
120977	5	85	121677	9	65	121178	7	290	121778	21	134	11279	18	474	20779	7	1707
120977	20	79	121777	5	341	121178	9	361	121878	19	125	11279	23	162	20779	9	1304
121077	6	97	121777	18	272	121178	12	270	121978	3	153	11379	6	131	20779	11	915
121077	19	117	121877	5	536	121178	13	148	122078	16	304	11379	13	571	20779	14	892
121177	1	1088	121877	17	48	121178	17	176	122078	18	139	11379	17	284	20779	17	798
121177	3	455	121977	10	39	121178	19	170	122078	20	185	11379	23	193	20779	20	966
121177	4	5880	122077	7	30	121178	22	151	122078	21	264	11479	1	6534	20779	22	1003
121177	5	4827	122177	7	23	121278	0	159	122078	22	264	11479	2	2193	20879	1	989
121177	6	2318	122277	12	26	121278	2	134	122078	23	253	11479	4	563	20879	4	574
121177	8	5446	122777	6	71	121278	5	227	122178	0	148	11479	5	395	20879	7	401
121177	9	778	10178	18	62	121278	7	142	122178	2	131	11479	6	315	20879	10	406
121177	13	162	10378	23	80	121278	9	142	122178	5	119	11479	8	233	20879	13	741
121177	17	6002	10478	16	11	121278	11	151	122178	8	122	11479	11	284	20879	19	1341
121177	18	1128	10578	12	111	121278	15	190	122178	10	207	11479	14	1063	20879	21	1080
121177	23	770	10578	18	256	121278	17	162	122278	22	145	11479	17	886	20879	23	631
121277	5	694	10678	9	17	121278	19	125	122378	5	196	11479	23	145	20979	2	284
121277	13	636	10778	7	31	121278	21	145	122378	11	131	11579	5	105	20979	5	295
121277	17	947	10778	21	37	121378	1	122	122378	18	136	11579	11	171	20979	8	494
121277	18	1665	10878	9	40	121378	4	131	122478	5	125	11579	14	1395	20979	12	517
121277	20	710	10878	16	40	121378	6	98	122478	12	134	11579	17	844	20979	14	560
121277	22	1239	10978	6	57	121378	7	125	122478	18	122	11679	1	162	20979	20	418
121277	23	1584	10978	22	26	121378	8	148	122578	1	131	11679	8	138	21079	1	278
121377	1	1324	11178	1	40	121378	11	230	122578	11	139	11679	14	759	21079	4	134
121377	2	1353	11278	3	31	121378	12	162	122578	16	102	11679	21	259	21079	7	1398
121377	3	840	11278	19	65	121378	14	119	122578	22	327	11779	4	125	21079	9	2286
121377	4	5323	11378	13	199	121378	15	151	11079	9	494	11779	11	213	21079	10	2932
121377	5	2002	11378	23	48	121378	22	122	11079	10	605	11779	16	429	21079	11	3667
121377	6	219	11478	11	45	121478	4	131	11079	12	534	11779	19	128	21079	12	4215
121377	8	2611	11878	17	111	121478	8	151	11079	13	244	11779	21	131	21079	13	2224
121377	9	560	12078	0	781	121478	12	114	11079	15	193	11879	17	295	21079	14	6711
121377	10	273	12078	23	50	121478	14	122	11079	17	128	11979	0	151	21079	15	6449
121377	12	230	20178	1	781	121478	17	131	11079	20	134	11979	7	696	21079	16	3074
121377	13	250	20278	1	122	121478	21	119	11179	0	173	11979	13	352	21079	17	2440
121377	14	278	20278	10	77	121578	0	117	11179	2	903	11979	19	264	21079	18	2861
121377	19	96	20378	12	31	121578	3	117	11179	3	1628	12079	3	168	21079	23	247
121477	2	88	20578	0	23	121578	7	105	11179	4	1893	12079	14	136	21179	2	415
121477	5	267	20678	2	60	121578	10	117	11179	5	1100	12079	16	145	21179	4	148
121477	8	4486	20778	8	866	121578	13	125	11179	6	1279	12779	10	418	21179	6	117
121477	10	602	20878	2	26	121578	16	125	11179	7	585	12779	14	571	21179	8	114
121477	14	88				121578	20	119	11179	8	653	20679	19	4693	21179	11	82
121477	22	2614	121078	20	1787	121578	23	105	11179	10	844	20679	20	11125	21179	14	139
121477	23	5388	121078	21	2905	121678	2	108	11179	11	1151	20679	21	14658	21179	16	730
121577	0	8357	121078	22	2128	121678	5	108	11179	13	1230	20679	22	10153	21179	18	1418
121577	3	1125	121078	23	1077	121678	9	105	11179	15	574	20679	23	7070	21179	19	511

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SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4F2 (1977-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
21179	20	1327	21879	0	1503	22779	6	795	30579	3	1418	102879	2	1295	112979	5	190
21179	21	918	21879	1	256	22779	7	3165	30579	4	1054	102879	3	1192	112979	23	202
21179	22	338	21879	2	159	22779	8	4755	30579	5	236	102879	4	940	120179	12	162
21279	0	202	21879	4	94	22779	9	2696	30579	6	153	103079	22	1903	120179	20	85
21279	2	131	21879	6	88	22779	10	1060	30579	7	128	110479	9	2236	120179	22	494
21279	4	117	21879	9	85	22779	12	213	30579	8	131	111879	5	2134	120179	23	1839
21279	6	97	21879	12	63	22779	16	94	30579	10	82	111879	6	1022	120279	0	3339
21279	7	205	21879	16	119	22779	20	335	30579	12	103	111879	8	2321	120279	1	10284
21279	9	108	21879	19	727	22879	0	290	30579	14	134	111879	18	2533	120279	2	776
21279	11	753	21879	22	88	22879	3	395	30579	18	131	111879	19	3024	120279	3	785
21279	12	489	21979	3	9222	22879	6	724	30579	21	77	112279	8	348	120279	4	972
21279	13	455	21979	4	2881	22879	9	304	30679	0	97	112279	12	953	120279	5	1040
21279	14	239	21979	5	389	22879	12	727	30679	4	153	112279	13	2576	120279	6	540
21279	16	673	21979	8	188	22879	15	361	30679	7	88	112279	14	1102	120279	7	226
21279	19	301	21979	11	202	22879	20	341	30679	11	99	112279	15	3213	120279	9	57
21279	23	244	21979	14	3102	30179	1	406	30679	15	63	112279	16	1423	120279	18	196
21379	4	242	21979	16	210	30179	7	313	30679	19	60	112279	17	841	120279	19	68
21379	7	185	21979	20	60	30179	13	287	30679	23	57	112279	18	650	120279	20	14
21379	11	119	22079	1	51	30179	17	1773	30779	4	88	112379	8	1508	120279	21	0
21379	16	114	22079	5	57	30179	20	310	30779	9	60	112379	9	747	120279	23	62
21379	21	77	22079	9	57	30279	3	301	30779	20	54	112379	10	2230	120379	1	6
21479	2	71	22079	12	2441	30279	10	301	30879	3	60	112379	11	317	120379	2	0
21479	8	60	22079	13	509	30279	19	494	30879	10	51	112379	12	199	120379	4	0
21479	13	68	22079	15	131	30379	0	1395	31579	6	310	112379	16	168	120379	7	0
21479	19	68	22079	18	273	30379	1	2179	31679	16	125	112379	20	131	120379	10	0
21579	1	74	22079	22	213	30379	2	1978	50679	17	287	112379	21	312	120479	3	1654
21579	7	60	22179	2	224	30379	4	977	50679	20	145	112379	23	292	120479	4	1398
21579	12	125	22179	7	205	30379	5	980	50679	23	142	112479	0	607	120479	5	736
21579	21	65	22179	12	233	30379	6	1250	50779	2	125	112479	1	1434	120479	6	694
21679	3	71	22179	17	216	30379	7	1638	50779	4	122	112479	2	310	120479	7	680
21679	7	236	22179	22	227	30379	8	815	50779	7	168	112479	3	165	120479	8	564
21679	10	2668	22279	5	213	30379	9	612	50779	9	151	112479	15	250	120479	9	9
21679	11	5667	22279	9	844	30379	10	497	50779	11	182	112479	19	179	120479	12	0
21679	12	1216	22279	17	736	30379	14	242	50779	13	162	112479	21	622	120979	16	337
21679	13	1841	22279	21	182	30379	17	224	50779	16	173	112479	23	224	120979	20	82
21679	14	1401	22379	6	224	30379	19	659	50779	21	117	112579	0	196	121079	16	4
21679	15	2568	22379	11	82	30379	21	227	50879	2	165	112579	3	190	121279	3	293
21679	16	466	22379	17	185	30379	23	173	50879	7	151	112579	6	199	121279	8	2
21679	17	304	22379	21	210	30479	3	193	50879	12	165	112579	8	176	121779	7	5844
21679	21	1003	22479	1	608	30479	6	108	50879	18	188	112579	12	406	121779	8	1423
21679	22	230	22479	5	134	30479	10	94	50879	19	162	112579	13	213	121779	9	253
21679	23	256	22479	10	97	30479	14	139	50879	20	151	112679	11	99	121779	15	2746
21779	4	162	22479	17	119	30479	17	693	50879	23	199	112679	14	153	121779	16	1032
21779	6	153	22479	23	65	30479	18	156	50979	5	230	112679	18	122	121779	17	1296
21779	9	159	22579	6	82	30479	19	108				112779	0	102	121779	18	690
21779	13	145	22579	13	71	30479	21	128	105279	0	16663	112779	5	187	121779	19	136
21779	16	125	22579	20	91	30479	22	128	102579	1	12493	112779	10	165	121779	21	111
21779	18	1051	22679	3	60	30579	0	1008	102579	2	5483	112879	5	94	121779	22	564
21779	20	108	22679	13	80	30579	1	2014	102579	5	2230	112879	7	151	121779	23	378
21779	22	242	22779	1	63	30579	2	729	102879	1	2552	112879	17	88	121879	0	105

SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4F2 (1977-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
121879	1	28	122479	12	68	10580	16	578	11280	0	77	11680	7	210	22880	6	43
121879	3	62	122479	18	82	10580	17	185	11280	2	224	11680	8	173	22880	19	222
121879	6	336	122579	1	88	10580	23	28	11280	4	199	11680	9	185	22980	11	97
121879	7	552	122579	8	62	10680	6	5	11280	5	2167	11680	11	10	31380	6	111
121879	9	48	122679	18	48	10680	13	5	11280	6	5882	11680	13	43	31480	14	528
121879	12	65	122779	15	114	10680	19	5	11280	7	2148	11680	17	14	31480	18	105
121879	16	77	122879	12	99	10780	7	10	11280	8	811	11680	22	10	31480	23	88
121979	3	80	123079	4	361	10780	14	10	11280	9	1664	11780	4	14	31580	5	57
121979	5	91	123079	12	88	10780	20	10	11280	11	1114	11780	10	40	31580	9	60
121979	9	40	123079	23	1230	10880	2	10	11280	13	1065	11780	16	43	31580	15	1352
121979	11	966	123179	3	54	10880	9	14	11280	14	347	11780	22	37	31580	18	37
121979	12	401	123179	7	295	10880	13	9	11280	15	125	11880	7	10	31680	1	293
121979	16	82	123179	9	1134	10880	17	10	11280	16	142	11880	14	10	31680	9	48
121979	23	88	123179	12	614	10880	20	162	11280	18	139	11880	23	40	31680	19	0
122079	6	45	123179	13	648	10880	23	43	11280	20	111	11980	4	40	31780	5	116
122079	12	91	123179	14	250	10980	1	148	11280	21	694	11980	10	40	31780	14	91
112079	15	148	123179	16	1314	10980	2	2851	11280	22	354	11980	16	40	31780	18	0
122079	17	1279	123179	18	587	10980	3	3902	11280	23	179	12080	7	40	31880	10	0
122079	18	2003	123179	20	1267	10980	4	3322	11380	0	142	12080	19	70	31880	20	105
122079	19	625	123179	22	1145	10980	5	1838	11380	1	219	12180	13	85	31980	12	68
122079	20	2840	123179	23	162	10980	8	785	11380	2	594	12280	12	100	32080	4	34
122079	21	267	10180	1	165	10980	9	378	11380	3	553	12380	23	156	32080	14	23
122079	23	179	10180	6	159	10980	12	100	11380	4	236	20180	23	1187	32080	18	1219
122179	2	142	10180	12	116	10980	13	65	11380	5	266	20280	5	437	32080	23	20
122179	3	253	10180	19	116	10980	15	71	11380	6	148	20280	12	1611	32180	11	43
122179	6	202	10280	13	80	10980	18	134	11380	7	68	20280	15	4480	32280	13	97
122179	7	1729	10280	15	148	10980	20	145	11380	8	74	20380	14	900	32380	20	17
122179	8	923	10280	17	119	10980	22	77	11380	10	62	20380	20	494	32680	14	82
122179	9	886	10280	21	91	11080	1	128	11380	13	10	20480	7	335			
122179	10	210	10380	3	239	11080	3	114	11380	15	10	20580	13	452	110780	1	2735
122179	13	332	10380	11	173	11080	6	40	11380	17	50	20580	22	463	112180	11	7000
122179	16	227	10380	21	290	11080	10	43	11380	20	50	20680	2	756	112180	12	2544
122179	21	202	10480	5	108	11080	13	37	11380	23	50	20680	6	517	112180	13	1649
122379	5	453	10480	10	185	11080	15	71	11480	0	100	20680	11	216	112180	15	1989
122379	6	179	10480	15	200	11080	17	145	11480	5	100	21880	12	2088	112180	17	2690
122379	7	202	10480	17	281	11080	19	170	11480	7	421	21880	19	727	112980	1	2418
122379	8	228	10480	18	1021	11080	21	136	11480	8	3433	21980	5	256	112980	2	1693
122379	9	301	10480	19	625	11180	0	187	11480	9	3372	21980	13	77	120280	0	1082
122379	10	324	10480	20	397	11180	4	219	11480	10	476	22080	2	82	120280	1	813
122379	11	341	10480	21	507	11180	8	180	11480	12	91	22080	17	2096	120280	3	1051
122379	12	290	10480	22	191	11180	11	139	11480	15	26	22280	9	60	120280	4	853
122379	13	40	10480	23	741	11180	13	173	11480	19	37	22580	16	582	120280	5	1063
122379	14	131	10580	0	259	11180	15	77	11480	23	7	22580	21	199	120280	6	492
122379	15	85	10580	1	598	11180	16	116	11580	2	20	22680	0	582	120280	7	563
122379	16	54	10580	2	270	11180	17	199	11580	6	80	22680	3	0	120280	8	2159
122379	18	91	10580	3	187	11180	18	438	11580	11	51	22680	10	20	120280	9	1205
122379	20	60	10580	4	244	11180	19	182	11580	15	28	22680	20	142	120280	10	1401
122479	0	82	10580	5	128	11180	20	1188	11580	19	10	22780	4	77	120280	11	3864
122479	3	88	10580	8	108	11180	21	85	11680	0	34	22780	14	0	120280	12	3977
122479	8	62	10580	12	222	11180	23	37	11680	5	10	22780	21	45	120280	13	2281

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SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4F2 (1977-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
120280	14	716	122180	21	2005	122580	18	3010	12781	14	1173	21681	0	5451	21981	3	5396
120380	2	3048	122280	4	136	122580	19	3543	12781	21	85	21681	3	4775	21981	7	597
120380	12	755	122280	15	125	122680	4	298	12881	15	216	21681	8	3704	21981	11	1312
120380	14	1667	122380	12	99	122680	11	298	12881	16	1383	21681	13	3091	21981	20	134
120380	15	1303	122480	12	2182	122680	20	145	12881	17	736	21781	7	2719	22081	15	156
120380	16	1616	122480	13	787	122780	1	2341	12881	19	54	21781	23	2406	22481	4	68
120480	12	1173	122480	14	2013	122780	18	119	12981	6	2210	21881	0	2216	22481	21	128
120480	14	1116	122480	16	4493	10181	12	114	20581	1	3338	21881	2	1855	30381	18	301
120480	16	761	122480	17	3988	10281	8	94	21381	21	3852	21881	3	1690	30381	21	595
120480	22	210	122480	18	3454	10381	19	97	21381	23	3818	21881	4	1642	30381	23	852
120580	12	168	122580	14	4264	12681	11	2287	21481	9	4113	21881	9	1435	30481	2	411
120680	13	188	122580	15	2573	12681	12	312	21581	9	5448	21881	13	1153	32681	3	375
122180	8	2094	122580	16	2831	12781	10	264	21581	22	6423	21881	15	3165	33181	14	301
122180	18	2841	122580	17	5396	12781	13	2562									



## SUSPENDED SEDIMENT CONCENTRATIONS (MG/L)

E3C1 (1977-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
111577	15	196	120277	23	514	121377	13	227	11278	10	42	21178	11	32	51378	15	124
111877	17	219	120377	2	386	121377	14	216	11278	22	37	21278	13	51	51378	17	99
112077	17	128	120377	6	312	121377	17	182	11378	6	62	30778	19	51	51378	21	88
112377	5	165	120377	12	263	121377	21	108	11378	12	262	30878	6	22	51378	22	165
112377	12	185	120377	18	222	121477	2	77	11378	14	417	32678	12	10	51378	23	178
112377	16	242	120477	2	197	121477	7	244	11378	17	212	40278	4	18	51478	1	137
112377	19	295	120477	11	179	121477	10	969	11378	22	122	40578	7	34	51478	3	131
112377	23	207	120477	20	210	121477	13	179	11478	4	84	40578	15	44	51478	5	153
112477	8	165	120577	5	215	121477	17	102	11478	11	69	40578	21	45	51478	7	132
112477	14	261	120577	13	253	121677	20	119	11478	18	73	40678	3	30	51478	11	101
112477	16	764	120577	20	251	121777	0	145	11578	3	53	40678	11	26	51478	13	126
112477	17	838	120677	4	249	121777	5	80	11578	13	42	41578	12	23	51478	14	147
112477	18	489	120677	11	316	121777	11	77	11678	0	86	41878	2	39	51478	15	154
112477	19	330	120677	16	351	121777	15	61	11678	5	163	41878	7	59	51478	17	179
112477	20	271	120777	8	264	121877	3	47	11678	11	81	41878	12	41	51478	18	230
112477	21	276	120777	15	237	121877	14	42	11678	19	57	41878	19	30	51478	20	265
112477	22	1276	120877	9	215	121977	3	41	11778	0	228	41978	1	50	51478	21	256
112477	23	4859	120877	19	158	121977	15	42	11778	7	149	41978	5	68	51578	1	223
112577	0	3708	120977	8	146	122477	1	50	11778	12	95	41978	9	54	51578	10	145
112577	1	2426	121077	0	160	122777	3	50	11778	19	120	41978	14	60	51578	12	137
112577	7	307	121077	11	159	123077	7	17	11878	1	79	41978	18	63	51578	16	131
112577	8	219	121177	0	128	10178	17	10	11878	9	56	41978	23	48	51578	18	147
112577	9	227	121177	4	418	10378	13	42	11878	15	236	42078	4	43	51578	21	162
112577	10	956	121177	6	1793	10478	1	24	11878	18	219	42078	10	39	51678	0	140
112577	11	1483	121177	7	696	10478	11	17	11878	23	114	42078	17	28	51678	4	123
112577	12	685	121177	8	1506	10578	1	138	11978	5	73	42178	9	43	51678	7	112
112577	13	420	121177	10	855	10578	11	2815	11978	14	57	42178	18	87	51778	21	64
112577	14	295	121177	15	145	10578	16	4358	12078	0	43	42178	22	64	51878	8	62
112577	15	307	121177	18	1622	10578	17	3463	12178	6	134	42278	2	56	52078	0	34
112577	17	227	121177	20	273	10578	18	1943	12178	14	59	42278	5	149			
112777	23	186	121177	23	153	10578	19	710	12178	19	161	42278	7	166	111978	8	662
112877	5	167	121277	2	105	10578	21	377	12278	1	65	42278	9	217	111978	11	534
112877	12	156	121277	7	88	10678	0	264	12278	10	50	42278	11	189	111978	14	472
112877	20	132	121277	12	71	10678	3	239	12378	8	30	42278	13	169	111978	15	643
112977	3	204	121277	17	131	10678	7	137	12578	2	27	42278	15	140	111978	16	744
112977	10	153	121277	20	602	10678	20	66	12578	14	41	42278	18	105	111978	17	662
112977	17	160	121277	21	409	10778	5	51	20178	13	79	42278	21	87	111978	18	582
113077	0	153	121277	23	256	10778	13	159	20178	19	336	42378	0	79	111978	19	481
113077	7	156	121377	0	162	10778	18	86	20178	22	247	42378	4	74	111978	20	392
113077	15	151	121377	2	420	10878	1	81	20278	2	123	42378	8	69	111978	21	412
113077	22	151	121377	3	620	10878	20	96	20278	7	104	42378	12	69	111978	22	386
120177	21	147	121377	4	494	10978	2	106	20278	16	274	42478	0	56	112078	0	361
120277	10	245	121377	5	1782	10978	7	176	20278	20	136	42478	5	55	112078	1	429
120277	13	371	121377	6	1077	10978	11	121	20378	2	85	42578	20	68	112078	4	304
120277	14	543	121377	7	495	10978	17	86	20378	10	59	42678	8	54	112078	6	259
120277	15	1000	121377	8	736	11078	2	53	20378	19	59	42678	11	57	112078	9	230
120277	16	1164	121377	9	861	11078	13	43	20478	3	52	42678	14	54	112078	14	196
120277	17	1155	121377	10	446	11178	0	40	20578	12	65	42778	12	41	112178	0	176
120277	19	940	121377	11	287	11178	13	36	20578	22	50	42978	22	28	112178	12	168
120277	20	647	121377	12	230	11278	0	63	20878	8	55	51378	12	64	112178	20	196

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SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E3C1 (1977-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
112478	17	190	120178	0	156	120978	13	122	121978	7	82	11479	8	151	20779	22	99
112478	22	173	120178	1	191	120978	17	145	122078	0	68	11479	12	139	20879	3	119
112578	3	128	120178	3	205	120978	21	105	122078	10	77	11479	16	119	20879	8	122
112578	8	125	120178	4	153	121078	0	117	122078	19	71	11479	20	111	20879	14	116
112578	13	131	120178	5	139	121078	3	119	122078	23	138	11579	1	111	20879	16	102
112578	18	117	120178	7	145	121078	6	111	122178	3	125	11579	13	105	20879	19	170
112578	22	131	120178	8	131	121078	9	99	122178	7	111	11579	18	108	20879	21	395
112678	3	168	120178	9	125	121078	13	74	122178	10	91	11679	0	105	20879	23	406
112678	8	108	120178	10	171	121078	16	85	122178	15	85	11679	7	77	20979	1	420
112678	13	114	120178	12	134	121078	18	105	122178	21	45	11679	13	111	20979	3	381
112678	18	105	120178	13	91	121078	19	222	122278	13	37	11779	1	145	20979	6	341
112678	23	88	120178	15	85	121078	20	352	122278	19	94	11779	11	105	20979	8	318
112778	3	88	120178	17	111	121078	21	345	122378	0	51	11879	0	82	20979	11	332
112778	8	122	120178	19	82	121078	22	328	122378	5	65	11979	9	108	20979	13	355
112778	13	85	120178	21	88	121078	23	403	122378	11	37	11979	17	125	20979	15	506
112778	18	108	120178	23	71	121178	1	222	122378	16	176	12079	3	105	20979	20	324
112778	23	142	120278	1	65	121178	2	185	122378	21	65	12079	12	108	20979	23	253
112878	4	105	120278	3	261	121178	3	151	122478	8	71	12079	17	111	21079	3	210
112878	8	60	120278	5	267	121178	5	138	122478	15	71	12179	5	82	21079	6	358
112878	13	68	120278	8	134	121178	7	136	122478	21	60	12179	16	65	21079	9	420
112878	17	85	120278	10	139	121178	9	136	122578	4	756	12279	14	74	21079	11	838
112878	19	85	120278	13	68	121178	12	117	122578	12	750	12379	3	80	21079	13	861
112878	22	202	120278	15	77	121178	15	125	122578	19	51	12379	16	57	21079	14	963
112978	0	472	120378	22	80	121178	17	117	122678	2	51	12479	6	43	21079	15	835
112978	2	670	120478	2	114	121178	20	114	122678	9	51	12479	19	68	21079	16	1338
112978	5	739	120478	5	99	121178	23	88	11079	1	111	12579	8	46	21079	17	1051
112978	7	690	120478	8	82	121278	2	91	11079	3	349	12679	22	63	21079	19	835
112978	10	597	120478	11	111	121278	6	91	11079	4	497	12779	16	119	21079	21	395
112978	12	528	120478	12	504	121278	9	97	11079	5	558	12779	23	71	21079	23	295
112978	15	443	120478	13	589	121278	13	82	11079	6	716	12879	19	60	21179	1	526
112978	17	440	120478	14	432	121278	17	78	11079	7	955	20479	13	108	21179	3	222
112978	19	551	120478	15	298	121278	21	71	11079	8	963	20579	4	94	21179	7	273
112978	22	307	120478	16	264	121378	1	74	11079	9	776	20579	13	114	21179	10	240
113078	0	375	120478	17	261	121378	5	74	11079	10	375	20579	23	77	21179	14	230
113078	3	318	120478	19	227	121378	14	74	11079	11	276	20679	10	119	21179	18	222
113078	5	313	120478	21	199	121378	21	114	11079	12	247	20679	18	156	21179	21	236
113078	8	273	120478	23	190	121478	4	85	11079	15	261	20679	22	949	21179	23	179
113078	10	264	120578	1	289	121478	10	82	11079	19	142	20679	23	1500	21279	2	185
113078	12	207	120578	3	156	121478	17	77	11179	1	102	20779	0	1230	21279	5	241
113078	13	714	120578	6	162	121478	23	80	11179	5	824	20779	1	864	21279	9	244
113078	14	628	120578	8	176	121578	6	68	11179	7	492	20779	2	628	21279	12	170
113078	15	714	120578	11	189	121578	13	60	11179	8	537	20779	3	515	21279	15	168
113078	16	691	120678	14	171	121578	20	68	11179	9	361	20779	4	648	21279	18	122
113078	17	369	120678	16	108	121678	4	119	11179	10	179	20779	5	506	21279	21	145
113078	18	310	120678	18	88	121678	11	80	11179	12	125	20779	6	355	21379	0	213
113078	19	227	120678	21	111	121678	22	68	11179	14	148	20779	7	295	21379	4	196
113078	20	226	120878	1	88	121778	6	122	11279	1	74	20779	9	236	21379	8	97
113078	21	190	120978	4	111	121778	21	80	11379	4	108	20779	11	216	21379	13	85
113078	22	207	120978	7	102	121878	14	65	11479	1	111	20779	14	176	21379	18	108
113078	23	182	120978	10	97	121878	22	65	11479	4	304	20779	18	173	21479	0	136

SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E3C1 (1977-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
21479	6	153	22679	1	63	31579	4	205	41679	15	253	50779	6	148	102979	6	9
21479	13	179	22679	10	60	31579	12	125	41679	21	222	50779	10	122	102979	10	28
21479	20	151	22679	20	63	31579	20	131	41779	4	156	50779	14	131	102979	13	9
21579	3	139	22779	5	71	31679	5	99	41779	11	122	50779	18	71	102979	18	50
21579	11	168	22779	10	832	31679	16	156	41779	20	151	50779	23	142	102979	23	287
21579	19	1051	22779	13	162	31779	0	122	41879	16	151	50879	4	43	103079	3	111
21679	3	182	22779	17	114	31779	8	80	41979	4	125	50879	9	85	103079	6	210
21679	10	207	22779	22	77	31779	16	205	42079	1	156	50879	15	63	103079	7	372
21679	15	312	22879	4	122	31879	2	327	42079	15	179	50879	20	139	103079	9	148
21679	17	358	22879	10	145	31879	13	284	42179	5	148	50979	1	54	103079	11	128
21679	20	213	22879	15	168	31879	22	287	42179	20	171				103079	12	153
21679	23	250	22879	21	94	31979	9	270	42279	12	196	102579	1	108	103079	14	207
21779	2	139	30179	4	82	31979	20	290	42279	15	108	102579	2	131	103079	16	500
21779	5	131	30179	12	60	32079	19	278	42379	6	219	102579	3	1062	103079	18	446
21779	9	105	30179	21	97	32179	8	304	42379	19	216	102579	4	1662	103079	20	233
21779	14	102	30279	9	94	32179	22	321	42479	10	153	102579	5	1136	103079	22	162
21779	19	145	30279	23	114	32279	11	355	42579	2	114	102579	6	443	103079	23	188
21779	23	162	30379	5	193	32379	2	324	42579	19	173	102579	8	216	103179	0	577
21879	3	122	30379	8	318	32379	18	270	42679	14	168	102579	10	233	103179	1	277
21879	7	114	30379	11	151	32479	13	295	42779	8	486	102579	14	182	103179	2	80
21879	12	108	30379	15	122	32579	8	347	42779	15	281	102579	19	122	103179	3	136
21879	15	99	30379	20	125	32679	3	327	42879	1	256	102579	22	128	103179	4	60
21879	21	97	30379	23	136	32679	21	182	42879	14	190	102679	1	148	103179	17	40
21979	3	125	30479	3	99	32779	10	230	42979	2	227	102679	3	247	103179	20	6
21979	6	312	30479	8	74	32779	19	145	42979	17	210	102679	6	236	110179	0	40
21979	10	125	30479	13	57	32879	8	130	43079	12	196	102679	10	85	110179	4	20
21979	14	102	30479	18	114	32879	23	125	50179	11	196	102679	15	111	110179	8	10
21979	19	102	30579	0	159	32979	15	145	50279	11	179	102679	22	48	110179	13	10
22079	1	85	30579	4	224	33079	11	131	50379	12	210	102779	4	48	110179	18	9
22079	6	71	30579	6	173	33179	6	114	50479	12	207	102779	6	99	110179	23	23
22079	13	108	30579	9	105	40179	2	134	50479	19	1068	102779	8	88	110279	3	10
22079	17	128	30579	13	102	40179	22	149	50479	23	361	102779	11	28	110279	8	10
22079	21	97	30579	18	301	40279	17	273	50579	3	367	102779	13	6	110279	13	14
22179	3	88	30679	0	210	40379	19	122	50579	7	332	102779	17	26	110279	18	10
22179	9	71	30679	6	99	40579	3	71	50579	9	338	102779	21	77	110279	23	14
22179	16	85	30679	12	77	40679	5	173	50579	12	324	102879	2	31	110379	10	99
22179	23	82	30679	20	88	40779	6	134	50579	14	278	102879	4	131	110379	15	99
22279	7	77	30779	4	94	40879	14	171	50579	18	216	102879	5	241	110479	2	99
22279	14	74	30779	14	60	40979	21	688	50579	22	216	102879	6	202	110479	6	82
22279	21	74	30879	2	57	41079	16	233	50679	2	236	102879	7	199	110479	10	62
22379	3	63	30879	15	37	41179	11	145	50679	5	230	102879	8	65	110479	12	26
22379	10	88	30979	4	65	41279	10	207	50679	14	1472	102879	10	48	110479	14	57
22379	17	57	30979	20	63	41279	23	375	50679	15	909	102879	11	31	110479	16	74
22479	0	68	31079	12	60	41379	8	384	50679	16	352	102879	13	57	110479	18	99
22479	6	68	31179	5	80	41379	16	190	50679	17	259	102879	15	23	110479	20	108
22479	12	65	31279	7	82	41479	3	173	50679	18	293	102879	17	34	110479	22	202
22479	19	60	31379	0	77	41479	15	182	50679	19	290	102879	19	48	110479	23	68
22579	2	51	31379	17	88	41579	5	159	50679	21	294	102879	21	57	110579	1	60
22579	9	65	31479	14	77	41579	19	145	50779	0	219	102979	0	68	110579	3	54
22579	17	68	31479	16	34	41679	8	242	50779	2	119	102979	3	68	110579	5	62

SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E3C1 (1977-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
110579	7	57	111679	14	60	112379	14	114	112879	16	57	120679	11	10	122079	1	20
110579	9	378	111679	19	54	112379	17	94	112979	7	82	120679	15	2670	122079	8	23
110579	12	43	111779	1	57	112379	20	136	112979	13	77	120679	19	2486	122079	14	40
110579	14	34	111779	6	74	112379	23	131	112979	18	68	120779	0	270	122079	17	68
110579	16	40	111779	12	80	112479	0	205	113079	0	11	120779	5	82	122079	19	307
110579	19	40	111779	16	114	112479	1	384	113079	6	54	120779	9	10	122079	21	611
110579	21	105	111779	19	97	112479	2	881	113079	12	23	120779	17	10	122079	22	384
110679	0	80	111779	23	88	112479	3	252	120179	2	3	120879	1	10	122079	23	250
110679	2	40	111879	2	102	112479	4	193	120179	10	43	120879	9	800	122179	0	134
110679	5	62	111879	5	111	112479	5	84	120179	15	929	120879	18	10	122179	3	17
110679	8	57	111879	7	196	112479	6	100	120179	20	622	120979	3	10	122179	5	37
110679	11	28	111879	8	180	112479	7	131	120279	0	568	120979	12	10	122179	6	145
110679	14	48	111879	9	187	112479	8	100	120279	1	614	120979	19	10	122179	9	91
110679	17	34	111879	11	196	112479	9	156	120279	2	906	121079	1	10	122179	10	45
110679	21	54	111879	13	136	112479	10	100	120279	3	931	121079	8	85	122179	12	37
110779	1	14	111879	17	159	112479	11	105	120279	4	1060	121079	15	10	122179	14	85
110779	5	10	111879	19	108	112479	12	57	120279	5	1045	121079	23	10	122179	17	26
110779	9	77	111879	20	526	112479	14	80	120279	6	540	121179	8	10	122179	19	6
110779	13	40	111879	21	432	112479	16	116	120279	7	1412	121179	17	10	122279	2	31
110779	17	102	111879	22	300	112479	17	125	120279	8	144	121279	2	10	122279	6	62
110779	22	142	111979	0	136	112479	20	130	120279	9	172	121279	10	10	122279	11	51
110879	3	10	111979	1	136	112479	22	142	120279	10	122	121279	19	173	122279	16	57
110879	8	20	111979	2	131	112579	0	139	120279	11	122	121379	0	45	122279	21	10
110879	12	77	111979	4	125	112579	2	74	120279	12	88	121379	13	23	122379	3	28
110879	17	82	111979	6	108	112579	4	71	120279	14	74	121379	22	60	122379	7	14
110879	23	395	111979	7	102	112579	6	88	120279	16	37	121479	8	105	122379	9	71
110979	5	182	111979	9	111	112579	11	128	120279	19	77	121479	17	62	122379	10	97
110979	11	80	111979	11	88	112579	12	170	120279	21	43	121579	3	80	122379	11	68
110979	17	60	112079	0	77	112579	14	128	120279	23	10	121579	13	99	122379	12	65
111079	0	82	112079	6	97	112579	15	116	120379	1	10	121679	2	108	122379	15	17
111079	6	6	112079	12	65	112579	17	165	120379	3	10	121679	15	88	122379	16	80
111079	11	68	112079	18	62	112579	18	256	120379	5	10	121779	6	85	122379	17	97
111079	17	48	112179	1	57	112579	20	153	120379	7	10	121779	10	134	122379	19	207
111079	23	31	112179	8	51	112579	22	102	120379	11	10	121779	15	54	122379	21	116
111179	6	54	112179	15	82	112679	0	71	120379	15	10	121779	17	349	122379	23	102
111179	12	20	112179	22	75	112679	2	125	120379	21	10	121779	20	134	122479	2	68
111179	19	6	112279	5	68	112679	7	136	120479	4	10	121779	22	139	122479	5	114
111279	2	26	112279	10	122	112679	10	142	120479	5	94	121879	1	159	122479	9	159
111279	10	37	112279	13	148	112679	12	139	120479	7	61	121879	2	128	122479	13	105
111279	17	37	112279	15	284	112679	15	88	120479	8	40	121879	5	57	122479	19	196
111379	1	28	112279	17	301	112679	18	85	120479	9	10	121879	8	94	122579	0	224
111379	11	3	112279	18	222	112679	21	54	120479	10	57	121879	10	134	122579	7	94
111379	21	10	112279	19	182	112779	0	131	120479	12	10	121879	12	97	122579	14	14
111479	6	10	112279	21	168	112779	4	54	120479	16	10	121879	15	48	122579	21	108
111479	16	205	112279	23	148	112779	7	151	120479	21	3	121879	18	57	122679	5	134
111579	2	10	112379	2	125	112779	10	99	120579	6	6	121879	23	34	122679	14	108
111579	15	28	112379	5	116	112779	20	108	120579	16	10	121979	5	80	122679	23	173
111679	0	16	112379	8	134	112879	1	88	120579	23	10	121979	10	62	122779	8	100
111679	7	10	112379	10	205	112879	6	26	120679	3	10	121979	15	6	122779	17	57
111679	9	26	112379	12	102	112879	11	68	120679	7	10	121979	20	20	122879	3	116

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DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
122879	23	0	10580	0	134	11180	21	169	20280	16	307	22780	0	102	40280	15	97
122979	9	9	10580	1	94	11180	22	102	20280	19	145	22780	8	77	40480	5	116
122979	18	0	10580	2	136	11280	0	43	20380	0	74	22780	17	31	40580	10	236
123079	6	0	10580	4	108	11280	1	62	20380	7	9	22880	0	37	40680	3	917
123079	15	0	10580	5	94	11280	3	80	20380	15	10	22880	8	48	40680	9	443
123179	1	26	10580	6	114	11280	5	97	20480	0	10	22880	17	28	40680	15	136
123179	9	14	10580	8	91	11280	7	1470	20480	13	10	22980	18	10	40680	23	190
123179	13	0	10580	10	60	11280	8	790	20580	3	62	30180	8	5	40780	8	99
123179	16	3	10580	13	43	11280	9	406	20580	19	10	30180	19	10	40780	19	136
123179	18	31	10580	16	28	11280	10	366	20680	5	88	30280	6	10	40880	8	91
123179	21	34	10580	19	3	11280	13	222	20680	10	94	30280	18	10	40880	21	114
123179	23	105	10580	23	51	11280	15	116	20680	18	11	30380	6	10	40980	9	111
10180	1	65	10680	4	65	11280	17	151	20780	8	17	30380	19	10	40980	20	514
10180	3	6	10680	10	65	11280	19	159	20780	23	10	30480	8	10	40980	23	901
10180	6	6	10680	16	65	11280	22	179	20880	16	60	30480	21	10	41080	2	295
10180	10	0	10680	22	65	11380	0	125	20980	8	6	30580	9	11	41080	7	148
10180	14	9	10780	17	108	11380	2	131	21080	2	10	30580	17	34	41080	15	122
10180	19	20	10880	0	71	11380	4	170	21080	20	10	30680	4	10	41180	1	62
10280	0	54	10880	8	51	11380	5	153	21180	13	97	30680	16	10	41180	13	114
10280	7	34	10880	14	54	11380	7	65	21380	22	10	30780	4	10	41280	4	119
10280	13	0	10880	19	99	11380	8	128	21480	18	10	30780	20	128	41280	22	90
10280	18	6	10880	23	102	11380	11	116	21580	14	74	31080	11	51	41480	14	102
10280	23	6	10980	2	151	11380	15	112	21680	9	51	31180	13	125	41580	3	91
10380	4	0	10980	4	549	11380	20	40	21780	4	77	31280	9	68	41580	19	105
10380	10	25	10980	5	722	11480	3	68	21780	18	51	31380	2	963	41680	11	88
10380	13	11	10980	6	564	11480	9	358	21880	0	108	31380	12	960	41780	5	10
10380	14	14	10980	7	699	11480	10	997	21880	6	139	31380	21	662	41880	1	39
10380	15	17	10980	8	384	11480	11	477	21880	11	472	31380	23	616	41980	3	36
10380	16	13	10980	9	322	11480	12	256	21880	14	349	31480	0	364	42080	1	102
10380	17	31	10980	10	233	11480	14	71	21880	18	148	31480	4	259	42080	9	140
10380	18	80	10980	11	176	11480	17	105	21980	0	114	31480	10	116	42080	19	88
10380	19	73	10980	12	14	11480	23	20	21980	6	128	31480	18	111	42180	3	108
10380	20	91	10980	13	119	11580	8	91	21980	12	68	31580	7	57	42180	14	129
10380	21	57	10980	15	77	11580	19	116	21980	20	97	31580	18	114	42280	4	25
10380	22	105	10980	17	85	11680	8	91	22080	5	26	31680	11	321	42280	22	103
10380	23	65	10980	19	151	11680	14	108	22080	15	11	31780	14	11			
10480	0	51	10980	21	116	11780	0	31	22180	1	57	31880	12	94	112880	10	99
10480	1	23	11080	0	94	11780	14	28	22180	13	37	31980	18	88	113080	3	162
10480	2	92	11080	3	60	11880	7	30	22280	1	88	32180	3	105	113080	13	151
10480	3	102	11080	7	40	11880	19	51	22280	12	45	32280	0	60	120180	18	136
10480	4	136	11080	12	88	11980	7	153	22280	23	14	32280	16	94	120280	1	378
10480	5	74	11080	16	10	11980	19	43	22380	11	54	32380	11	34	120280	2	477
10480	6	80	11080	19	45	12080	9	65	22380	23	51	32480	7	57	120280	3	542
10480	7	83	11080	21	65	12180	23	85	22480	10	253	32580	3	85	120280	4	193
10480	8	91	11180	2	3	12380	19	9	22580	0	68	32680	2	105	120280	5	300
10480	9	159	11180	9	10	12480	15	48	22580	16	94	32780	0	57	120280	6	341
10480	17	6	11180	13	17	12580	14	45	22580	23	65	32880	6	91	120280	7	276
10480	20	230	11180	16	100	12680	17	45	22680	3	54	32980	14	94	120280	8	216
10480	21	182	11180	19	128	20280	0	97	22680	9	3	33180	0	179	120280	9	229
10480	23	136	11180	20	108	20280	8	116	22680	16	31	40180	5	80	120280	10	382

## SUSPENDED SEDIMENT CONCENTRATIONS (MG/L)

E3C1 (1977-1981)

(CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
120280	11	329	122180	8	485	122180	18	261	122380	0	134	122380	7	139	122980	1	244
120280	12	329	122180	10	460	122180	19	292	122380	1	111	122380	8	136	22481	10	198
120780	18	73	122180	11	241	122180	20	372	122380	2	122	122380	9	131	22781	5	189
120780	19	71	122180	13	210	122180	21	613	122380	4	114	122380	18	119	30381	20	197
120780	20	82	122180	15	201	122280	22	190	122380	5	145	122480	5	1096	30481	8	207
120980	17	74	122180	17	278	122280	23	136	122380	6	170	122480	6	718			

SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4V1 (1979-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
112079	13	203	121479	8	203	10280	6	168	11180	22	173	22380	3	91	122480	17	310
112079	16	202	121679	16	201	10280	14	131	11180	23	168	22580	11	91	122480	18	190
112179	0	201	121779	8	189	10280	22	105	11280	1	128	22680	1	57	122480	20	136
112179	8	202	121779	12	196	10380	6	108	11280	2	139	22680	5	152	122480	22	145
112179	12	202	121779	20	202	10380	14	153	11280	4	65	22680	11	43	122480	23	162
112279	12	202	121879	4	199	10380	22	125	11280	10	210	22780	0	23	122580	2	142
112279	20	197	121879	12	173	10480	6	139	11280	13	187	22780	13	38	122580	5	188
112379	4	199	121879	20	162	10480	14	151	11280	15	153	22880	8	38	122580	7	148
112379	12	197	121979	4	148	10480	22	60	11280	19	85	22880	19	85	122580	9	165
112379	20	198	121979	12	182	10580	6	54	11280	22	213	22980	7	361	122580	11	159
112479	4	194	121979	20	151	10580	14	71	11380	1	197	30180	3	77	122580	14	188
112479	12	196	122079	4	162	10580	22	71	11380	4	110	30280	2	173	122580	16	182
112479	20	196	122079	12	173	10680	6	80	11380	6	111	31180	10	281	122580	17	486
112579	4	197	122179	4	97	10680	14	108	11380	9	180	31380	21	222	122580	18	528
112579	12	197	122179	8	94	10680	22	80	11380	11	154	31380	22	48	122580	19	210
112579	20	196	122179	16	114	10780	6	60	11380	16	91	31480	0	14	122580	20	185
112679	4	197	122279	0	122	10780	14	293	11380	23	83	31480	3	51	122580	21	170
112679	10	197	122279	8	125	10780	17	119	11480	7	81	31480	7	43	122580	22	160
112679	18	201	122279	15	142	10880	21	159	11480	11	122	31480	11	54	122680	16	115
112779	2	201	122379	0	111	10980	2	278	11480	14	103	31480	17	44	122780	1	119
112779	10	273	122379	8	115	10980	3	463	11480	18	86	31580	2	17	122780	8	112
112779	18	139	122379	16	71	10980	4	270	11580	0	75	31580	14	20	122780	13	160
112879	16	131	122479	0	99	10980	5	389	11580	7	65	31680	0	34	122780	16	156
112879	18	145	122479	8	116	10980	6	185	11580	17	60	31680	17	62	122780	19	149
112979	2	153	122479	14	134	10980	7	122	11680	3	56	31880	1	62	122780	22	138
112979	10	97	122479	22	94	10980	8	111	11680	11	80	32180	17	62	122880	3	130
112979	18	102	122579	6	114	10980	10	120	11680	17	69	32380	2	30	122880	8	127
113079	2	159	122579	14	216	10980	11	128	11780	1	60				122880	15	115
113079	10	165	122579	22	216	10980	15	116	11780	12	57	112180	14	139	122980	0	115
113079	18	131	122679	6	216	10980	17	131	11880	1	51	112980	23	142	122980	8	118
120179	2	190	122679	14	233	10980	19	145	11880	18	48	120280	2	158	122980	16	120
120179	10	142	122679	22	241	10980	21	136	11980	16	44	120280	7	179	123080	1	110
120179	18	105	122779	6	207	11080	0	156	20280	18	99	120280	11	217	123080	9	171
120279	2	176	122779	14	199	11080	3	185	20380	6	51	120280	12	213	123080	13	148
120279	11	166	122779	22	227	11080	6	60	20380	17	65	120280	13	208	123080	15	168
120379	19	195	122879	6	224	11080	10	116	20480	2	57	120280	14	185	123080	17	159
120479	3	193	122879	14	199	11080	14	57	20480	18	44	120280	16	163	123080	20	153
120479	4	184	122879	22	153	11080	17	88	20680	1	139	122180	9	219	123080	22	145
120479	11	181	122979	6	173	11080	19	110	20680	8	85	122180	17	224	123180	0	165
120479	19	201	122979	14	196	11080	21	80	20680	13	82	122180	22	216	123180	4	156
120579	3	202	122979	22	213	11080	23	139	20680	22	88	122280	0	224	123180	5	159
120579	16	203	123079	6	213	11180	1	139	20780	16	72	122280	2	151	123180	7	153
120679	0	200	123079	14	207	11180	4	17	20880	18	73	122280	5	134	123180	9	150
120679	8	201	123079	22	179	11180	7	30	20980	21	136	122280	10	136	123180	10	150
120679	16	201	123179	6	173	11180	10	34	21780	22	73	122280	15	131	123180	12	145
120779	0	201	123179	14	131	11180	14	94	21880	9	148	122280	22	162	123180	13	155
120779	8	201	123179	22	166	11180	16	111	21880	15	213	122480	10	136	123180	14	143
120779	16	203	10180	6	176	11180	18	108	21880	23	62	122480	12	190	123180	16	145
121079	16	203	10180	14	136	11180	19	9	21980	12	88	122480	14	185	123180	18	145
121479	0	201	10180	22	168	11180	21	216	22080	1	99	122480	16	409	123180	19	143

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SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4V1 (1979-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
123180	21	150	12681	16	134	13081	2	145	21681	18	118	21881	16	77	21981	20	125
123180	23	150	12681	18	183	13081	13	108	21681	19	114	21881	17	48	21981	22	135
10181	0	150	12681	23	171	13181	0	105	21681	21	111	21881	19	40	22081	0	140
10181	8	145	12781	6	168	21581	23	125	21681	22	108	21881	23	139	22081	4	151
10281	8	153	12781	14	199	21681	1	71	21781	1	105	21981	0	170	22081	8	156
10281	11	317	12781	16	153	21681	3	105	21781	4	102	21981	2	51	22081	12	161
10281	12	209	12881	16	205	21681	5	65	21781	9	98	21981	3	196	22181	3	97
10281	13	170	12881	17	222	21681	7	97	21781	18	92	21981	4	99	22281	3	191
10381	11	199	12881	19	202	21681	9	80	21881	1	116	21981	6	51	22581	13	196
10381	20	153	12881	21	139	21681	10	85	21881	3	150	21981	9	40	30481	23	181
10481	4	51	12881	23	202	21681	13	148	21881	5	133	21981	10	153	30581	21	189
12381	13	145	12981	1	187	21681	14	131	21881	7	127	21981	12	105	30881	9	191
12481	9	150	12981	4	162	21681	15	128	21881	9	121	21981	14	82	31081	4	196
12581	1	149	12981	8	156	21681	16	123	21881	14	51	21981	15	74	32681	2	193
12581	8	145	12981	12	150	21681	17	121	21881	15	80	21981	18	120			



SUSPENDED SEDIMENT CONCENTRATIONS (MG/L) E4F3 (1980-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
110780	1	2000	120280	17	1979	120380	14	4538	120480	17	491	121180	15	100	21881	12	767
112180	13	4000	120280	18	416	120380	15	2678	120480	20	768	10281	19	162	21881	13	560
112180	15	2000	120280	23	1068	120380	16	3124	120480	21	238	12881	16	1406	21881	14	5869
112980	1	2266	120380	1	3474	120380	17	1065	120680	13	134	12881	18	150	21981	2	8235
112980	2	3347	120380	2	4182	120480	9	1008	122280	11	184	12981	15	210	21981	3	6278
120280	2	2493	120380	3	565	120480	10	1133	122280	15	156	21581	23	1764	21981	10	2957
120280	3	849	120380	4	60	120480	11	1226	122380	19	165	21681	8	682	22181	1	378
120280	4	1894	120380	6	51	120480	12	1149	122580	3	753	21781	23	1971	22181	14	105
120280	5	1438	120380	9	116	120480	13	1591	122580	5	2241	21881	0	756	22281	9	57
120280	12	4607	120380	11	182	120480	14	994	122580	6	207	21881	2	2567	22281	11	78
120280	13	3605	120380	12	764	120480	15	1542	122580	9	136	21881	3	858	22281	12	98
120280	14	1284	120380	13	1216	120480	16	966	122580	12	110	21881	5	304	22381	17	100

## APPENDIX C

### Hourly Nitrate-Nitrogen Concentrations

This Appendix contains a complete record of nitrate-nitrogen concentrations for the five watersheds and mainline outlet used in the Elkins Road watershed study. The data are presented as an hourly time series for only those hours when samples were collected. Nitrate-nitrogen concentrations are listed in units of parts per million. These data are also contained on a magnetic tape file (see Section 4).

NITRATE CONCENTRATIONS (MG/L) E3C1 (1978-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
111978	8	2.0	120178	14	7.8	121678	11	9.3	20879	23	1.0	30579	9	5.5	41779	3	9.2
111978	11	4.3	120178	16	8.5	121878	14	8.5	20979	20	10.7	30579	13	5.8	42379	7	5.2
111978	14	3.4	120178	17	8.9	122078	19	7.3	21079	11	8.9	30579	18	6.1	42579	19	4.9
111978	15	3.7	120178	19	9.2	122178	0	7.6	21079	14	7.8	30679	0	6.1	42879	15	4.4
111978	16	3.7	120178	21	9.2	122178	3	9.6	21079	16	6.7	30679	6	6.1	50279	12	4.5
111978	17	1.0	120178	23	9.6	122178	8	10.1	21079	19	7.3	30679	12	6.0	50379	12	4.0
111978	18	2.9	120278	1	9.6	122178	16	8.3	21079	23	9.1	30679	20	6.0	50479	13	3.2
111978	19	1.0	120278	3	9.6	122378	1	7.1	21179	3	11.8	30779	4	5.9	50479	20	4.6
111978	20	0.5	120278	6	9.6	122478	8	8.3	21179	18	11.8	30779	14	5.7	50579	0	8.5
111978	21	4.3	120278	8	9.6	122578	19	6.0	21279	9	11.6	30879	2	5.8	50579	4	11.9
111978	23	4.7	120378	20	7.0	11079	1	5.8	21379	0	12.0	30879	15	5.8	50579	7	11.4
111978	24	4.9	120478	2	6.7	11079	4	4.1	21479	0	11.4	30979	5	5.7	50579	10	12.8
112078	2	4.7	120478	9	6.7	11079	5	4.9	21479	20	9.2	30979	20	5.7	50579	12	15.5
112078	4	5.1	120478	11	6.2	11079	6	4.6	21679	3	9.1	31079	12	5.5	50579	15	15.2
112078	7	5.3	120478	12	8.2	11079	7	4.0	21679	20	7.9	31279	7	5.2	50579	18	14.5
112078	9	5.7	120478	13	7.6	11079	8	3.7	21779	9	8.5	31379	0	5.1	50579	22	13.7
112078	14	5.1	120478	14	10.8	11079	9	4.1	21879	3	7.9	31379	17	5.0	50679	2	12.0
112178	1	4.9	120478	15	12.2	11079	10	5.4	21879	21	8.5	31479	14	4.9	50679	6	12.4
112178	12	4.7	120478	16	13.3	11079	11	6.5	21979	14	8.1	31479	16	4.8	50679	13	12.3
112178	20	1.2	120478	17	14.4	11079	13	8.0	22079	17	7.4	31579	4	4.3	50679	14	10.7
112278	19	4.3	120478	19	15.6	11079	15	8.6	22179	23	8.0	31579	12	3.9	50679	15	11.2
112478	18	3.2	120478	21	15.6	11079	19	9.3	22279	14	7.7	31579	20	4.0	50679	16	12.5
112578	18	2.8	120578	2	15.6	11179	2	10.1	22279	21	7.4	31679	5	4.2	50679	17	14.0
112678	13	2.8	120578	6	14.4	11179	6	7.7	22379	10	7.3	31679	16	4.4	50679	18	14.9
112778	9	2.1	120578	12	13.8	11179	7	7.4	22479	0	7.2	31779	0	3.9	50679	19	14.9
112878	4	1.9	120678	14	10.6	11179	8	6.8	22479	12	7.1	31779	8	4.4	50679	21	7.1
112878	20	1.4	120978	4	9.0	11179	9	7.1	22579	2	7.4	31779	16	4.4	50779	0	5.1
112878	22	19.4	120978	18	8.7	11179	11	8.0	22579	17	7.2	31879	2	4.4	50779	2	5.2
112978	1	6.6	121078	10	9.2	11179	13	8.6	22679	10	7.2	31879	13	4.5	50779	6	5.3
112978	3	6.1	121078	19	8.5	11179	15	9.0	22779	5	6.9	31879	22	4.4	50779	10	5.2
112978	5	5.6	121078	20	8.2	11279	2	10.1	22779	10	4.3	32079	19	4.5	50779	14	4.5
112978	8	5.1	121078	21	7.7	11379	5	9.7	22779	13	6.2	32179	8	4.6	50779	18	3.7
112978	10	4.5	121078	22	9.2	11479	20	13.9	22779	17	6.6	32179	22	4.6	50779	23	3.3
112978	13	4.0	121078	23	9.4	11679	14	13.5	22779	22	7.1	32279	11	4.6	50879	4	3.2
112978	15	4.5	121178	0	10.0	11979	18	14.3	22879	10	6.8	32379	2	4.8	50879	9	2.9
112978	17	4.3	121178	2	9.6	12179	5	9.7	22879	21	7.0	32379	18	4.5	50879	14	2.5
112978	20	4.9	121178	3	10.1	12679	23	8.4	30179	12	6.9	32479	14	4.7	50879	20	2.9
112978	22	6.1	121178	4	10.9	20579	4	7.4	30279	9	7.0	32579	8	4.6			
113078	1	6.1	121178	5	11.3	20679	10	9.2	30279	23	6.7	32679	3	4.4	102579	3	2.9
113078	3	7.5	121178	7	11.3	20679	23	8.6	30379	5	5.1	32679	21	4.9	102579	5	2.3
113078	5	6.3	121178	10	11.3	20779	0	8.2	30379	8	5.0	32779	11	4.4	102879	2	3.2
113078	8	6.1	121178	12	11.3	20779	1	8.0	30379	11	5.7	32979	0	4.6	102879	4	8.2
113078	10	6.8	121178	15	11.3	20779	2	8.7	30379	15	6.1	40179	3	5.1	102879	6	3.1
113078	12	9.2	121178	18	11.3	20779	3	8.8	30379	23	6.0	40679	6	4.8	102879	7	3.4
113078	13	17.2	121178	20	11.1	20779	4	9.0	30479	3	6.2	40979	21	4.1	102879	8	3.7
113078	14	3.4	121278	3	10.9	20779	9	11.1	30479	8	6.5	41079	16	4.5	103179	17	8.7
113078	15	3.9	121278	17	10.5	20779	11	12.6	30479	18	5.5	41179	11	4.9	110179	9	7.7
113078	16	7.3	121378	15	9.6	20779	22	12.6	30579	0	5.3	41279	11	6.5	110279	4	7.0
113078	17	18.8	121378	21	10.1	20879	8	12.4	30579	4	4.9	41379	16	7.2	110279	23	6.6
120178	12	7.0	121478	23	9.6	20879	19	10.7	30579	6	4.9	41579	19	6.5	111079	18	5.6

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NITRATE CONCENTRATIONS (MG/L) E3C1 (1978-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
111179	19	5.3	112979	8	9.9	121979	15	6.9	10880	15	2.1	20180	3	4.4	122280	14	13.3
111379	2	5.2	120179	3	9.3	122079	9	8.5	10980	4	2.0	20280	20	3.2	122380	3	13.8
111479	16	5.0	120179	21	9.3	122079	17	7.3	10980	7	4.8	20480	13	4.7	122380	9	13.9
111679	1	4.7	120279	2	4.9	122079	20	4.6	10980	8	4.4	20680	19	4.2	122380	19	13.2
111679	14	5.6	120279	3	5.1	122179	1	6.9	10980	11	2.5	20980	9	4.9	122480	9	8.5
111779	13	5.0	120279	4	6.0	122179	9	4.9	10980	17	10.1	21380	22	3.9	122480	15	2.6
111879	2	5.3	120279	6	6.0	122179	15	7.0	11080	4	8.9	21780	19	3.0	122980	13	6.5
111879	10	6.7	120279	8	6.3	122279	7	8.0	11080	16	6.1	21880	18	3.4	10681	14	3.7
111879	13	7.8	120279	10	7.1	122379	8	5.9	11180	14	4.5	22080	5	4.6	10881	12	7.1
111879	15	8.1	120279	13	7.8	122379	15	5.8	11180	22	1.9	22980	18	3.8	11381	11	5.6
111879	21	6.5	120279	21	7.7	122379	19	5.4	11280	4	1.8	30280	19	3.8	11881	12	7.0
111979	1	9.6	120379	5	7.8	122479	10	4.8	11280	8	2.4	30580	9	3.0	12081	11	4.7
111979	8	9.6	120379	21	8.5	122579	8	5.4	11280	13	3.5	30780	5	3.5	12381	13	5.8
111979	13	9.5	120479	8	6.0	122879	13	5.6	11280	20	3.6	31380	2	2.3	12681	13	5.9
112279	21	9.0	120479	13	7.9	123179	1	4.9	11380	4	3.0	31480	4	3.0	20381	10	7.1
112379	11	8.2	120579	20	8.2	10180	1	3.6	11380	15	4.0				21081	11	7.0
112379	23	9.4	120679	15	8.2	10180	10	4.6	11380	16	3.4	112480	9	14.4	21581	12	6.9
112479	4	8.0	120779	17	8.9	10380	14	5.0	11380	21	3.1	112880	10	19.0	21881	18	4.5
112479	9	9.9	120979	12	7.7	10380	18	5.1	11480	11	0.9	120180	17	11.6	22081	22	6.0
112479	12	10.2	121179	18	7.5	10380	23	5.1	11480	14	1.6	120280	3	12.7	22481	10	4.8
112479	18	10.6	121279	20	11.3	10480	4	4.9	11580	19	2.9	120280	4	12.1	30181	13	5.2
112579	4	10.6	121579	3	11.1	10480	9	5.2	11780	15	5.0	120280	5	13.0	31181	14	4.9
112579	16	10.2	121779	15	7.7	10580	0	3.6	11980	19	4.4	120280	7	13.3	32081	12	4.8
112679	0	10.3	121779	18	6.5	10580	7	3.9	12180	17	3.0	120280	9	14.6	32781	12	4.9
112679	13	10.0	121879	6	7.6	10580	20	6.1	12580	14	3.1	120280	10	13.8	41081	15	4.8
112779	21	10.4	121879	19	7.1	10780	17	3.3	12980	10	1.9	120280	11	13.9	41781	16	4.7

NITRATE CONCENTRATIONS (MG/L) E4F2 (1979-1981)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
121078	21	10.9	12779	15	14.3	22379	2	10.9	30679	11	9.0	120479	5	6.6	11180	14	5.6
121078	22	9.2	20679	20	10.6	22379	17	11.3	30679	15	9.1	120479	6	5.9	11180	21	2.5
121078	23	9.2	20679	22	6.8	22479	2	9.8	30679	20	9.3	120479	7	6.7	11280	4	8.9
121178	0	11.8	20679	23	7.1	22479	17	11.9	30779	0	8.5	120479	8	7.1	11280	6	1.8
121178	1	13.3	20779	1	8.3	22579	0	8.5	30779	4	9.2	120479	9	14.2	11280	7	1.3
121178	2	15.0	20779	2	8.4	22679	3	9.2	30779	10	9.2	120979	16	9.4	11280	9	2.1
121178	3	15.7	20779	3	7.8	22779	7	2.2	30779	21	9.6	121079	16	22.9	11380	3	3.3
121178	5	16.3	20779	4	9.7	22779	8	2.9	30879	4	10.0	121479	15	23.8	11380	6	3.9
121178	10	16.3	20779	6	10.6	22779	9	2.1	30879	11	9.7	121779	16	3.6	11380	13	11.0
121178	20	15.7	20779	15	11.1	22779	10	5.0				121779	19	12.0	11480	8	2.5
121278	3	15.7	20879	4	11.8	22779	13	7.9	102579	1	1.4	121879	1	13.4	11480	9	1.2
121278	10	13.8	20879	21	12.0	22779	15	8.5	102579	5	0.8	121879	7	7.1	11480	10	3.0
121278	15	16.3	20979	5	12.0	22779	20	9.2	102879	1	0.2	121879	9	15.9	11480	13	12.1
121378	1	15.7	20979	21	12.0	22879	9	9.2	102879	3	0.3	121979	12	8.0	11580	3	20.0
121378	14	15.1	21079	9	9.6	30179	7	9.6	103079	21	0.3	122079	12	17.1	11680	0	21.0
121378	16	16.3	21079	12	7.5	30279	10	9.8	111879	5	0.3	122079	17	7.6	11680	12	12.3
121478	15	16.3	21079	14	6.8	30379	0	3.8	111879	6	0.5	122079	18	3.3	11680	18	7.3
121478	18	15.7	21079	15	5.5	30379	1	2.5	111879	8	0.3	122079	20	2.6	11780	4	8.5
121578	14	15.3	21079	19	9.9	30379	2	2.0	111879	18	0.3	122179	3	7.6	11780	23	11.8
121678	6	15.1	21179	2	14.8	30379	4	4.4	111879	19	0.5	122179	8	6.0	12380	23	12.2
121778	16	15.1	21179	11	15.0	30379	5	4.2	112279	9	5.0	122179	9	11.4	20280	0	9.4
122078	18	11.8	21179	18	12.0	30379	6	4.2	112279	12	8.3	122179	22	11.4	20280	13	3.8
122078	21	12.3	21179	21	12.7	30379	7	3.5	112279	13	3.5	122379	8	5.1	20380	10	7.0
122078	22	13.3	21279	2	16.1	30379	8	3.5	112279	15	5.2	122379	10	4.4	20380	20	10.1
122078	23	13.9	21279	11	13.4	30379	9	5.2	112279	16	6.4	122379	12	5.7	20680	6	4.9
122178	0	14.5	21279	16	14.2	30379	10	5.7	112279	17	6.8	122379	14	8.3	21880	0	8.2
122178	1	14.5	21379	12	12.5	30379	17	7.9	112279	18	10.3	122379	21	12.6	22080	2	11.9
122178	5	14.5	21479	3	12.5	30479	3	8.1	112379	8	6.1	122679	6	14.6	22080	17	4.2
122178	11	14.5	21579	7	12.6	30479	10	8.6	112379	10	12.7	123079	12	13.5	22680	20	9.1
122378	5	13.5	21679	3	12.4	30479	17	5.4	112379	11	9.0	123179	3	11.3	22880	6	9.3
122578	12	11.0	21679	12	8.6	30479	19	7.5	112379	23	6.9	123179	13	2.4			
11079	7	3.5	21679	16	10.1	30479	21	8.6	112479	0	4.2	123179	16	3.1	112980	1	0.6
11079	8	4.4	21779	0	11.0	30479	23	5.8	112479	1	3.9	123179	20	1.7	120280	2	0.6
11079	9	6.1	21779	9	12.2	30579	0	6.5	112479	2	5.6	10180	2	9.9	120280	6	1.0
11079	10	7.2	21779	20	11.2	30579	1	4.1	112479	3	7.2	10480	11	2.4	120280	9	1.5
11079	11	8.7	21879	2	11.1	30579	2	5.7	112479	19	21.9	10480	19	4.8	120280	12	0.9
11079	12	9.5	21879	12	11.7	30579	3	5.2	112579	3	22.1	10480	20	2.1	120280	14	2.9
11079	15	10.7	21879	16	12.0	30579	4	4.7	112579	13	16.3	10480	22	2.7	122180	8	1.3
11179	0	12.6	21879	23	11.9	30579	5	6.8	112779	5	20.2	10580	0	12.6	122380	12	10.9
11179	2	9.9	21979	3	2.7	30579	6	7.5	112979	5	20.4	10580	3	10.8	122480	13	2.5
11179	3	9.1	21979	4	2.3	30579	7	8.0	120179	22	10.6	10580	12	13.7	122480	14	1.3
11179	4	7.2	21979	8	11.2	30579	9	7.7	120279	0	4.2	10580	17	18.4	122480	16	1.5
11179	5	7.8	21979	15	5.8	30579	10	9.0	120279	1	2.0	10580	23	17.4	122580	14	2.1
11179	6	5.9	21979	21	11.4	30579	12	9.2	120279	3	6.6	10780	21	19.0	122580	16	3.3
11179	9	9.3	22079	12	4.4	30579	14	9.2	120279	4	5.2	10980	2	5.5	122580	17	2.7
11379	0	9.8	22079	14	8.4	30579	19	9.2	120279	5	5.3	10980	4	2.1	122580	19	1.9
11479	5	9.8	22079	19	11.9	30579	22	9.2	120279	6	6.1	10980	5	3.9	122680	20	10.9
11479	23	14.4	22179	12	12.8	30679	1	9.3	120279	19	15.3	10980	16	14.9	122880	20	11.8
11779	21	14.6	22279	10	8.8	30679	4	9.3	120379	7	19.2	11080	7	18.1	122980	12	1.4
11979	13	19.5	22279	17	9.9	30679	8	9.2	120479	3	5.6	11080	17	8.2	123080	10	14.4

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NITRATE CONCENTRATIONS (MG/L) E4F2 (1978-1981) (CONT.)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
123180	17	5.0	21681	4	4.6	21881	3	1.7	21881	14	5.0	21981	11	3.4
21381	21	1.7										22481	4	5.2

NITRATE CONCENTRATIONS (MG/L) E1F1 (1979-1980), E4F1 (1979-1981), AND E4V1 (1979-1980)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
E1F1																	
120479	11	9.5	10980	15	7.7	11080	16	9.6	11280	7	6.4	11280	15	8.9	11380	22	9.6
122379	12	6.8	10980	18	7.9	11180	20	11.1	11280	8	5.1	11280	20	8.1	11480	7	7.4
122379	18	10.2	10980	21	9.4	11280	4	11.1	11280	9	6.5	11280	23	9.4	11480	10	2.3
10980	10	6.6	11080	2	9.8	11280	6	6.1	11280	12	7.9	11380	16	9.8			
E4F1																	
11079	4	1.8	20779	0	15.7	21179	20	14.8	30379	2	5.1	120279	4	2.1	11280	14	0.6
11079	5	1.6	20779	1	17.7	21279	11	13.5	30379	4	3.9	120279	5	2.0	11380	3	0.7
11079	6	1.7	20779	2	15.4	21679	13	9.7	30379	5	5.3	122379	12	3.5	11380	5	0.8
11079	7	1.8	20779	3	12.8	21679	23	11.5	30379	6	5.9	10980	3	1.0	11480	9	0.6
11179	2	7.5	20779	4	16.8	21779	4	11.4	30379	7	5.0	10980	4	0.8	11480	10	0.8
11179	3	6.1	20779	21	21.2	21779	23	10.3	30379	8	6.5	10980	9	0.9			
11179	4	5.4	21079	11	14.8	21979	3	2.2	30379	10	7.0	10980	18	0.9	122580	15	0.1
11179	5	8.4	21079	13	14.9	21979	4	2.9	30379	11	7.4	11180	20	2.6	122580	16	0.1
11179	6	4.7	21079	15	9.2	22079	13	3.0	30379	18	7.4	11180	21	0.8	122580	17	0.2
11179	7	7.7	21079	16	14.6	22779	9	2.2	30379	21	8.2	11280	6	0.5	122580	18	0.2
20679	20	18.5	21079	18	11.0	22779	10	5.8				11280	7	0.8	122580	19	0.2
20679	22	14.8	21079	22	14.3	22779	11	9.0	102579	1	1.1	11280	8	0.3	21881	15	1.3
20679	23	14.3	21179	3	14.0	30379	1	5.8	120279	1	0.9	11280	9	0.6	21981	10	0.6
E4V1																	
102579	0	30.5	121779	20	22.9	11580	8	19.8	120680	20	10.9	123080	19	10.9	21881	7	11.1
102579	1	33.6	121979	20	31.5	11780	12	28.9	120780	2	4.7	123180	3	14.6	21881	10	11.1
102579	2	32.7	122179	17	21.8	12180	9	26.0	122180	10	14.7	123180	8	10.0	21881	23	10.0
102579	4	32.3	122479	1	20.0	20280	19	15.9	122280	0	9.5	12381	14	14.2	21981	1	10.0
112679	19	29.4	10280	14	29.6	20480	2	16.8	122280	6	11.6	12681	15	14.2	21981	12	10.1
112779	11	36.0	10480	14	30.0	20680	23	16.4	122480	7	12.7	20381	19	20.0	21981	14	10.0
112879	3	35.1	10780	14	21.8	21880	9	16.1	122480	15	13.8	21081	10	18.1	22481	9	12.4
120479	19	27.8	10980	4	14.9				122480	16	5.0	21581	11	15.8	30181	12	12.9
120679	8	31.6	10980	20	15.1	120580	15	37.5	122580	0	15.3	21681	11	11.1	31181	13	11.9
120879	0	32.4	11080	10	19.5	120580	17	18.1	122580	15	21.4	21681	13	11.1	32381	11	9.8
120979	16	30.4	11080	23	17.7	120580	19	12.1	122580	17	6.7	21681	20	13.7	32781	12	7.9
121079	16	40.5	11180	18	14.6	120580	20	12.1	122580	21	10.9	21681	21	13.7	40481	10	6.7
121279	8	39.5	11380	9	10.2	120680	0	8.3	123080	1	14.6	21681	22	13.7	41781	15	7.1
121479	8	48.1	11380	23	15.1												

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## APPENDIX D

### Hourly Phosphorus Concentrations

This Appendix contains a complete record of phosphorus concentrations for the five watersheds and mainline outlet used in the Elkins Road watershed study. The data are presented as an hourly time series for only those hours when samples were collected. Phosphorus concentrations are listed in units of parts per million. These data are also contained on a magnetic tape file (see Section 4).



PHOSPHORUS CONCENTRATIONS (MG/L) E4F1 (1979) AND E4F2 (1978-1979)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
E4F1																	
11079	4	2.56	20679	20	14.01	21079	11	2.25	21379	8	0.19	22079	16	0.46	30379	6	0.89
11079	5	2.43	20679	22	11.75	21079	13	1.95	21679	13	1.10	22779	9	5.08	30379	7	1.88
11079	6	2.49	20679	23	8.71	21079	16	1.39	21779	4	0.14	22779	10	1.56	30379	8	0.69
11079	7	2.38	20779	0	5.52	21079	18	1.90	21779	23	0.42	22779	11	0.59	30379	10	0.35
11179	2	2.70	20779	1	5.65	21179	3	0.28	21979	3	8.43	30379	1	2.22	30379	11	0.31
11179	4	9.80	20779	2	3.61	21179	18	0.84	21979	4	4.81	30379	2	2.37	30379	18	0.39
11179	5	2.69	20779	3	2.37	21179	20	0.35	21979	11	0.75	30379	4	0.61	30379	21	0.16
11179	6	5.05	20779	4	2.25	21279	11	0.58	22079	13	2.51	30379	5	0.87	30479	5	0.11
11179	7	2.38	20779	21	0.22												
E4F2																	
121078	21	1.84	122178	1	0.11	12779	15	0.51	21279	2	0.09	22079	19	0.19	30379	8	1.60
121078	22	2.48	122178	5	0.30	20679	20	3.18	21279	11	0.82	22279	10	0.46	30379	9	0.59
121078	23	1.83	122178	11	0.09	20679	22	4.02	21279	16	0.53	22279	17	0.39	30379	10	0.34
121178	0	1.02	122378	5	0.19	20679	23	2.98	21379	12	0.12	22379	2	0.18	30379	14	0.15
121178	1	0.40	122578	12	0.21	20779	1	2.71	21479	3	0.07	22379	17	0.17	30379	19	0.45
121178	2	0.20	11079	7	1.12	20779	2	2.68	21579	7	0.06	22479	17	0.08	30479	6	0.12
121178	3	0.25	11079	8	1.04	20779	3	4.07	21679	3	0.10	22679	3	0.05	30479	15	0.64
121178	5	0.15	11079	9	0.45	20779	4	2.99	21679	12	1.12	22779	6	0.72	30479	21	0.90
121178	10	0.25	11079	11	0.34	20779	6	1.79	21679	16	0.45	22779	7	2.43	30479	23	0.65
121178	20	0.11	11079	15	0.20	20779	15	0.45	21779	0	0.25	22779	8	2.22	30579	0	0.38
121278	3	0.08	11179	2	0.73	20879	4	0.25	21779	6	0.11	22779	9	2.75	30579	1	1.89
121278	10	0.08	11179	3	0.65	20879	21	0.39	21779	18	0.80	22779	10	1.09	30579	2	0.84
121278	15	0.65	11179	4	2.09	20979	5	0.17	21779	20	0.12	22779	15	0.12	30579	3	0.90
121378	1	0.06	11179	5	1.00	21079	5	0.14	21879	1	0.30	22779	20	0.08	30579	4	0.97
121378	14	0.23	11179	6	1.30	21079	12	2.35	21879	9	0.06	22879	9	0.08	30579	5	0.39
121378	16	0.14	11179	9	0.58	21079	13	0.63	21879	12	0.06	30179	7	0.09	30579	6	0.28
121478	15	0.08	11179	13	1.31	21079	15	3.09	21879	23	0.08	30279	10	0.08	30579	7	0.20
121578	14	0.06	11179	21	0.19	21079	17	1.78	21979	3	3.35	30379	0	1.17	30579	10	0.12
121678	6	0.03	11279	14	2.00	21079	19	0.96	21979	4	3.15	30379	1	1.97	30579	14	0.23
121778	16	0.06	11379	0	0.20	21179	0	0.22	21979	8	0.18	30379	2	2.39	30579	19	0.12
122078	16	0.42	11379	13	0.60	21179	2	0.32	21979	15	2.23	30379	4	0.72	30679	4	0.09
122078	21	0.28	11479	6	0.40	21179	11	0.11	22079	1	0.05	30379	5	0.81	30679	15	0.14
122078	23	0.25	11479	8	0.32	21179	18	1.44	22079	12	2.11	30379	6	1.33	30779	4	0.08
122178	0	0.44	12479	13	0.09	21179	21	0.94	22079	14	0.62	30379	7	1.61	30879	4	0.08

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## PHOSPHORUS CONCENTRATIONS (MG/L)

E3C1 (1978-1979)

DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.	DATE	HR	CONC.
112278	19	0.37	113078	17	2.16	121078	20	0.53	122478	8	0.10	20979	20	0.15	22779	22	0.16
112478	18	0.15	113078	18	1.93	121078	21	1.62	11079	4	1.01	21079	11	0.50	22879	21	0.15
112578	18	0.17	113078	19	1.74	121078	22	1.13	11079	5	1.22	21079	14	1.06	30279	23	0.20
112678	13	0.13	113078	20	1.19	121078	23	1.00	11079	6	1.24	21079	16	1.06	30379	5	0.47
112778	9	0.09	113078	23	0.59	121178	0	0.86	11079	7	1.27	21079	19	0.48	30379	8	0.54
112878	4	0.13	120178	2	0.54	121178	2	0.51	11079	8	1.20	21079	23	0.34	30379	15	0.27
112878	20	0.06	120178	5	0.45	121178	3	0.42	11079	9	1.01	21179	18	0.28	30379	23	0.27
112878	22	0.25	120178	8	0.33	121178	4	0.30	11079	10	0.84	21279	9	0.17	30479	8	0.17
112978	1	1.95	120178	9	0.28	121178	5	0.23	11079	11	0.63	21379	0	0.20	30479	18	0.26
112978	3	1.75	120178	12	0.64	121178	7	0.21	11079	13	0.57	21479	0	0.13	30579	0	0.30
112978	5	1.68	120178	23	0.24	121178	10	0.18	11079	15	0.58	21479	20	0.17	30579	6	0.36
112978	8	1.88	120278	13	0.20	121178	12	0.18	11179	2	0.21	21679	3	0.14	30579	9	0.32
112978	10	1.67	120378	20	0.25	121178	15	0.17	11179	6	0.88	21679	20	0.32	30579	13	0.25
112978	13	5.03	120478	2	0.21	121178	18	0.20	11179	8	0.85	21779	9	0.22	30579	18	0.25
112978	15	1.33	120478	9	0.17	121178	20	0.14	11179	11	0.53	21879	3	0.25	30679	6	0.18
112978	17	1.16	120478	11	0.22	121278	3	0.09	11179	15	0.28	21879	21	0.20	30679	20	0.16
112978	20	0.83	120478	12	1.93	121278	17	0.07	12679	23	0.16	21979	14	0.24	30779	14	0.17
112978	22	0.70	120478	13	2.00	121378	15	0.07	20579	4	0.19	22079	17	0.24	30879	15	0.13
113078	1	0.85	120478	14	1.82	121378	21	0.08	20679	18	0.42	22179	23	0.11	30979	20	0.13
113078	3	0.84	120478	15	1.12	121478	23	0.13	20679	23	2.12	22279	14	0.22	31179	5	0.17
113078	5	0.70	120478	16	0.85	121678	11	0.08	20779	1	1.95	22479	0	0.39	31379	0	0.14
113078	8	0.67	120478	17	0.59	121878	14	0.07	20779	3	0.75	22579	9	0.12	31479	14	0.19
113078	10	0.64	120478	19	0.39	122078	19	0.09	20779	4	0.93	22779	5	0.13	31579	4	0.27
113078	13	0.51	120478	21	0.28	122178	0	0.75	20779	6	0.64	22779	10	1.26	31579	20	0.42
113078	14	2.21	120578	2	0.20	122178	3	0.34	20779	9	0.36	22779	13	0.35	31679	16	0.58
113078	15	2.58	120578	6	0.27	122178	8	0.19	20879	8	0.17	22779	17	0.25	31779	8	0.22
113078	16	2.30	120578	12	0.21	122178	16	0.11	20879	23	6.00						