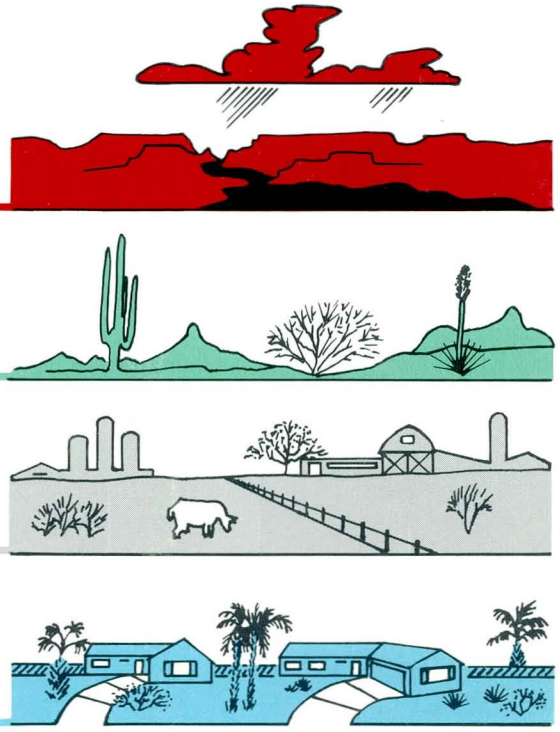

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

A TWO-DIMENSIONAL

DIFFUSION HYDRODYNAMIC MODEL (DHM) OF

LD CAVE CREEK WASH (ACDC TO SALT RIVER)

AUGUST 24, 1990

FLOOD CONTROL DISTRICT OF MARICOPA

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AUGUST 24, 1990

A TWO-DIMENSIONAL DIFFUSION HYDRODYNAMIC MODEL (DHM)

OF

OLD CAVE CREEK WASH (ACDC TO SALT RIVER)

Prepared for the

Flood Control District of Maricopa County

Prepared by

Davar Khalili, Ph.D., Hydrologist

(August 24, 1990)

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INTRODUCTION

In April of 1990 Woodward-Clyde Consultants, under contract with the Flood Control District of Maricopa County (Contract FCD 88-64), completed a dambreak analysis of Cave Buttes Dam from the dam site to the location of Arizona Canal Diversion Channel (ACDC), Figure 1. At the time of contract negotiations it was not possible to identify the actual downstream project location due to the large magnitude of the design flood. For the purposes of the contract, ACDC was identified as the downstream study limit recognizing the possibility of a need for additional analyses further downstream. The results of the Woodward-Clyde study indicated that more inundation analyses was in fact required downstream of ACDC. The purpose of this study is to further evaluate the hydraulic conditions downstream of ACDC and develop inundation mapping of those areas subject to potential breakouts and overtopping of ACDC due to a failure of Cave Buttes Dam.

PROJECT DESCRIPTION

The upstream limit of this study is ACDC. The channel directs the 100-year design flow from the Cave Creek Wash and several other washes into Skunk Creek. Due to the magnitude of the design flow for the dambreak study, i.e., the Probable Maximum Flood (PMF), ACDC does not have the capacity to convey all of the resulting flood waters. As a result it is necessary to evaluate the magnitude of flow and, the water surface elevation in contrast with the general topographic conditions to establish possible potential breakout locations.

The Woodward-Clyde study assumed the downstream study limit at mile 11.57. This location is immediately upstream of the confluence of the Cave Creek Wash with the ACDC. Since the Arizona Canal is located downstream of ACDC with its south bank generally elevated, it is a logical location to evaluate overtopping conditions. A new cross section at mile 12.08 was added to the Woodward-Clyde model to establish water surface elevation and discharge at the south bank of the Arizona Canal. The results indicated a water surface elevation of 1232.29 feet amsl with a discharge of 242,000 cfs at this location.

In order to determine potential overtopping locations, general topographic features of the Cave Creek Wash before the construction of Interstate 17 and ACDC are evaluated. Prior to I-17, Cave Creek Wash upstream of ACDC was in the form of braided channels and the west tributary was the main Cave Creek Wash. Construction of I-17 virtually stopped all flows in the west tributary, causing the east tributary to convey all flood waters downstream (Figure 2). With the construction of ACDC, the east tributary now a concrete channel would have all flows of up to the 100-year directed into Skunk Creek. Construction of ACDC has significantly changed the conditions downstream, by removing several locations out of the designated floodplains.

Even though the old Cave Creek Wash no longer exists downstream of ACDC, there still exists good conveyance capability through the streets, generally in a north-south direction. The hydraulic characteristics of the old braided channels upstream of ACDC still prevail, resulting in the two potential overtopping locations, one at the confluence of the Cave Creek Wash with ACDC and the other in an area immediately west of Metro Center Shopping Mall. Additional information on the construction of the Arizona Canal and spot elevations of the south bank of the Canal supported the potential for overtopping at these two locations.

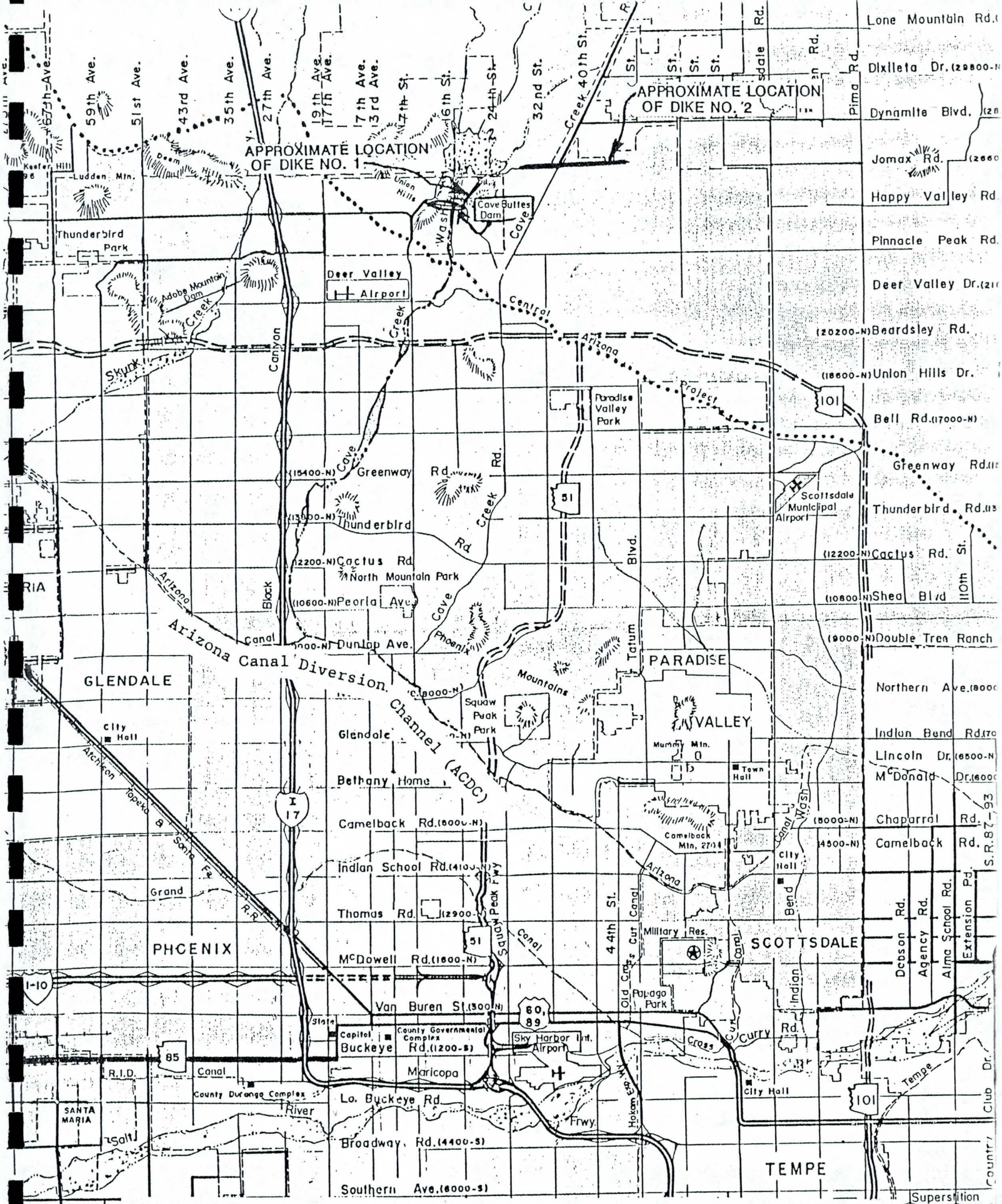

Figure 1. VICINITY MAP. TWO-DIMENSIONAL DHM ANALYSIS OF OLD CAVE CREEK WASH (ACDC TO SALT RIVER)

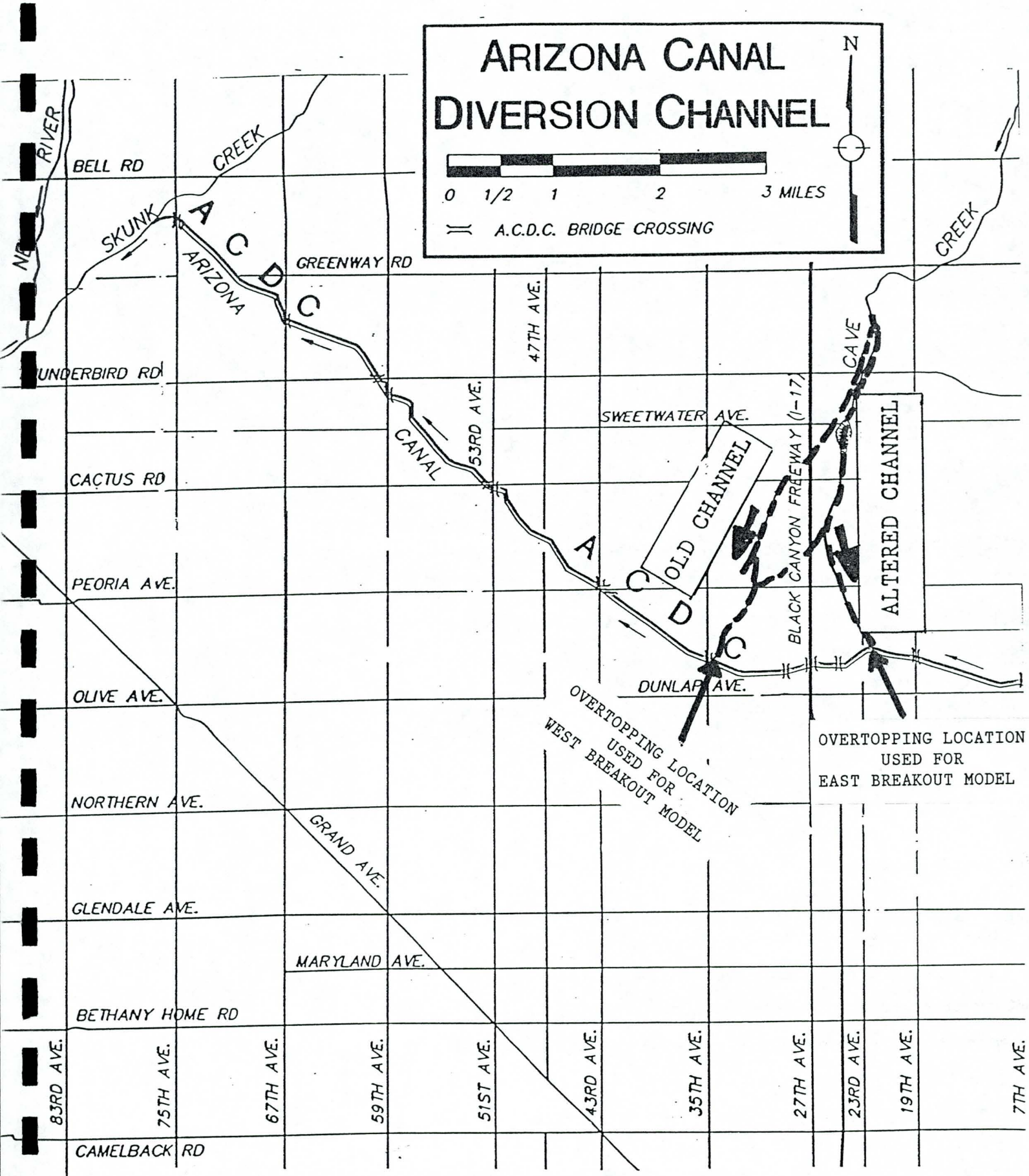

Figure 2. TRIBUTARY CHANNELS OF OLD CAVE CREEK WASH BEFORE CONSTRUCTION OF I-17 FREEWAY

DISCHARGE CALCULATIONS AT ARIZONA CANAL

As indicated earlier, a discharge value of 242,000 cfs and a water surface elevation of 1232.29 feet amsl was calculated at the Arizona Canal. This discharge should be evaluated in terms of the overtopping discharges, flow in the ACDC, and flow in the Skunk Creek floodplain.

In order to calculate the overtopping discharges at the two proposed locations, several assumptions are made. First, it is assumed that the water would overtop in the form of channel flow. The width of this channel is based on spot elevations of the south bank of the Arizona Canal. Finally, a Manning's coefficient and a bed slope are selected. By using the Manning's equation the discharge at the two overtopping locations is calculated (see Appendix A). The results indicate 71,510 cfs at the east breakout location (confluence with ACDC), and 47,680 cfs for the west breakout location (west of the Metro Center Shopping Mall), as illustrated in Figure 3.

The capacity of Skunk Creek below ACDC is about 50,000 cfs. This value added with the two overtopping discharges would give 169,190 cfs. It is assumed that the remaining 72,810 cfs would be carried through the ACDC channel and floodplain area. The design capacity for the ACDC below Cave Creek is estimated at 34,000 cfs. This would leave about 38,810 cfs to move downstream along the Arizona Canal floodplain, and in the ACDC freeboard storage area. This flow eventually reaches the Skunk Creek confluence and is carried downstream. It should be noted that these flows would reach the confluence with Skunk Creek after the peak has passed this point. It should be noted there is a potential for flow breakout at bridged crossings over ACDC. While this situation does not require downstream inundation mapping, the affected locations should not be used as transportation routes (Figure 3).

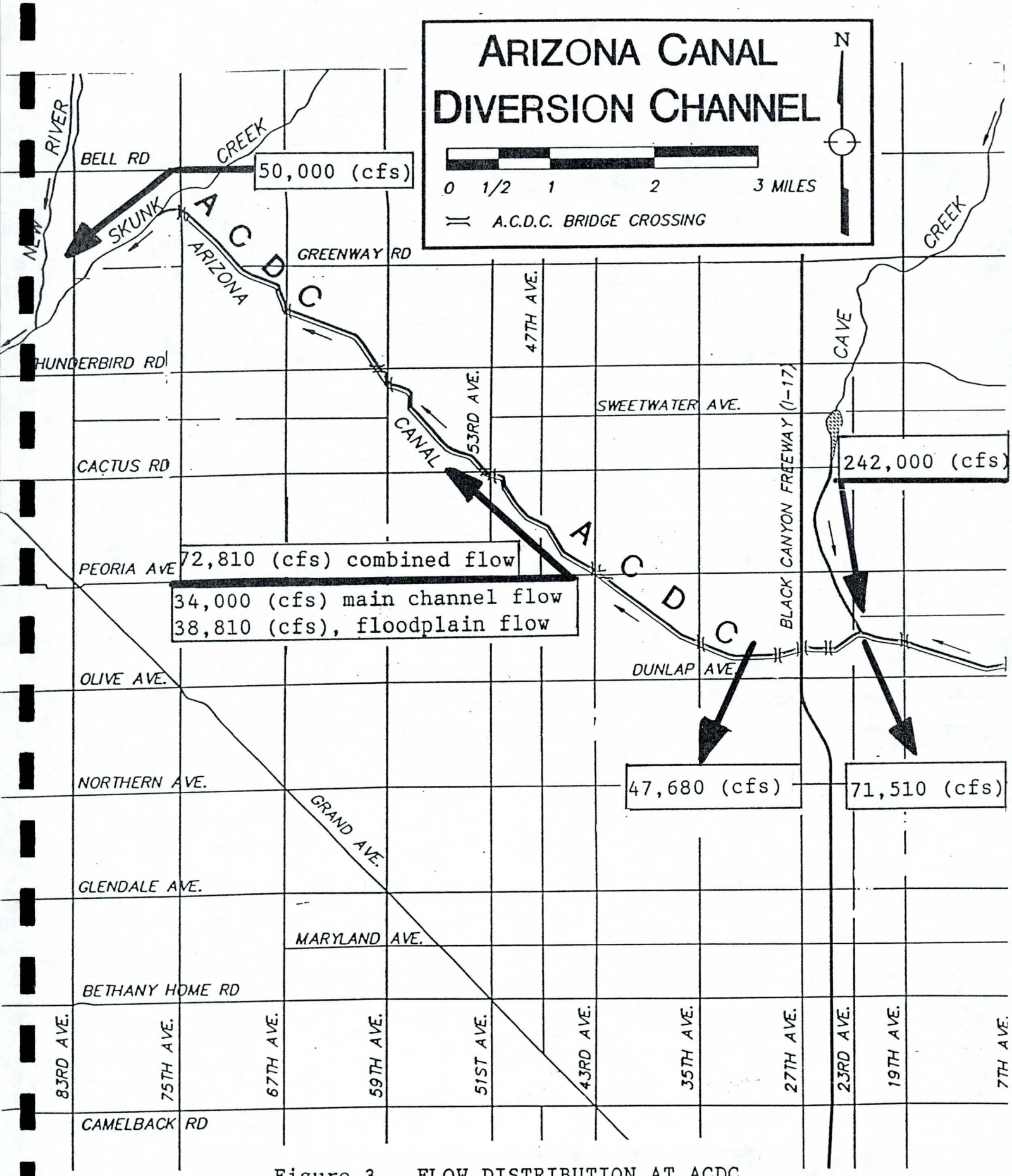

Figure 3. FLOW DISTRIBUTION AT ACDC

MODELING APPROACH

Woodward-Clyde Consultants applied the National Weather Service (NWS) Dambreak Model for their analyses. Due to the hydraulic characteristics upstream of ACDC, i.e., the existence of the Cave Creek Wash as the control element, the Dambreak Model is an appropriate selection.

However, as indicated earlier, the conditions downstream of ACDC at the two overtopping locations are significantly different from the upstream channel. The majority of flow in the downstream location is conveyed through the streets in various directions, with an overall north to south direction.

The one-dimensional Dambreak Model works best when cross sectional data is available. This model can not be best utilized for the conditions downstream of ACDC. As a result, it is more appropriate to use the Two-dimensional Diffusion Hydrodynamic Model, (USGS, 1987). This alternative approach models the flood plain characteristics by analyzing the hydraulic variables in a two-dimensional plain. This particular application of the DHM does not require channel cross sectional data and can provide a good description of the movement of water in the floodplain.

A DHM model for a two-dimensional floodplain application is developed by designing a number of grids to represent the overall topography. For each grid a Manning's coefficient and an average elevation is designated. The model also requires an inflow hydrograph. Then, flow of water is simulated through the two-dimensional floodplain, for each grid element. The model output include parameters such as depth, velocity, and time of arrival. Model input and output are contained in Appendices B, C, D, and Plate 2.

PARAMETER SELECTION

For the purpose of this study two models are put together for each of the breakout locations. A peak discharge of 71,510 cfs is used for the east breakout model and, a peak discharge of 47,680 cfs is used for the west breakout model. Each discharge value is represented as a hydrograph, with the time to peak set at 7.4 hours. This was the time calculated by the dambreak study as the time for the peak discharge to reach ACDC.

A grid size must be specified. Previous applications of the model (USGS, 1987) indicate that a range of 1000 feet to 5000 feet works well in this case. One limiting factor is the maximum number of grids allowed by the model, i.e., 250 grids. As a result for the east breakout model, a grid size of 2000 feet is selected to cover the entire projected floodplain, without exceeding the grid size limitation. The same grid size is also used in the west breakout model for consistency.

Three Manning's coefficients are selected for the east breakout model. For those grids representing the flow of waters in the main corridor (depth of more than 2 feet), a coefficient of .025 is used. For the adjacent grids a Manning's coefficient of .03 is used, and for the exterior grids a Manning's coefficient of .035 is used. A Manning's coefficient of .03 is used for the entire west breakout model because no apparent variation in flow resistance is noted. Selection of these Manning's coefficients are consistent with other similar studies (Contract FCD 88-65, Contract FCD 88-68).

A set of global parameters are required by the model for computational purposes. These include the minimum and maximum time steps. Ranges for this study are 0.5 to 1.0 second for the minimum time step, and 25.0 to 40.0 seconds for the maximum time step. A smaller time step refines the computational

process, while as it is found out, it does not necessarily give better accuracy. As a result 1.0 second and 30.0 seconds are used respectively for minimum and maximum time steps.

The model also requires a simulation time. This parameter should be selected such that the hydrograph peak is allowed enough time travel to the downstream end of the floodpalin. A number of trial and error runs indicate that a total simulation time of 14.0 hours would be sufficient for the routing of the east breakout model, while the west breakout model required 9.5 hours. The simulation results can be requested at a specified time interval. A 0.50 hour simulation interval selected for the output seems quite adequate.

A boundary condition may be required in various locations, including the downstream model limits. Typically, three types of boundaries can be specified, the no-flow boundary, critical flow boundary, or a sink. Due to the significant discharge at the Salt River (east breakout model), a number of sinks were modeled for this purpose.

The model can also utilize a retention depth. This value accounts for losses through infiltration as well as local ponding. Since only one value can be specified for the entire model, it is felt that a relatively small retention depth would account for such losses, still providing conservative results. Subsequently, retention depths of 0.2 feet and 0.1 feet are used for the east breakout and the west breakout models.

DISCUSSION OF RESULTS

East Breakout Model: The results indicate there are high velocities of about 9 ft/sec, immediately downstream of ACDC with an average depth of about 3.2 feet. This is expected considering the magnitude of overtopping discharge and the change in slope gradient in this vicinity. The velocity decreases as the water moves southward. The area bounded by 15th Avenue on the east and by 19th Avenue on the west conveys the majority of flow south towards the Grand Canal, with an average depth of 2 to 3 feet (Plate 1). Some of the flow overtops the Grand Canal, moving further south, and eventually ponds against the Southern Pacific Railroad. At the same time that water is moving along the area of 15th Avenue to 19th Avenue, some of the adjacent areas also get depths of less than 2 feet. These flows eventually pond along the Interstate 17, in the vicinity of the Durango Curve. They would then overtop the I-17 Freeway at this location and move in the southwest direction towards the Salt River. The depth of flow in the area from the Durango Curve to the Salt River is more than 3 feet due to much lower elevations. It should be noted that a substantial amount of discharge, in the neighborhood of 35,000 cfs to 40,000 cfs would drain into the Salt River. In addition, the 19th Avenue underpass carries about 4,400 cfs south towards the Salt River. However, the model results indicate a depth of less than 2 feet for this location.

The calculated travel times for this model seem to be shorter than those by the dambreak model upstream of ACDC. The main reason for the difference is the fact that the dambreak model utilizes an irregular channel and overbank area with substantial resistance to flow. As for the DHM model downstream of ACDC, the majority of flow is moving along the streets with relatively steep slopes and efficient hydraulic conditions, resulting in shorter travel time

s. Also, the selected Manning's Coefficients for the dambreak model are higher than those for the DHM model. This is primarily due to the fact that the Manning's coefficients for the dambreak model represent a cross section which could extend several miles, whereby the DHM Manning's coefficients are for individual grids of 2000 feet wide.

West Breakout Model: Due to a lower magnitude of flow and less efficient hydraulic conditions as compared to the East Breakout Model, water movement with depth of more than 2 feet would not cover as large an area. The only notable area is immediately downstream of the breakout where velocities of 4.2 feet/sec and depths of more than 3 feet are identified. With a few exceptions, most of the depths in the inundation area are less than 2 feet. In those situations a more efficient conveyance carries depths of 2 to 3 feet some distance before it drops to less than 2 feet. It appears that some overtopping occurs at the Grand Canal and 39th Avenue (see Plate 1). However, the downstream depths are computed to be less than 2 feet.

CONCLUSIONS:

This analysis is the second phase of a study done by Woodward-Clyde Consultants for developing the inundation area resulting from a PMF dambreak analysis of the Cave Buttes Dam. The Woodward-Clyde study evaluates the effected area down to the location of ACDC by using the NWS Dambreak Model. This study uses a two-dimensional Diffusion Hydrodynamic Model (DHM) to analyze the hydraulic conditions and the resulting inundation area downstream of ACDC. The purpose of both analyses is to aid in the development of an evacuation plan by the Civil Defence authorities.

Two breakout areas in the vicinity of the Cave Creek Channel and west of the Metro Center Shopping Mall are evaluated. For each breakout an inundation area is developed, assuming simultaneous overtopping. Two inundation boundaries are used; one for depths of 2 to slightly over 3 feet; and one for depths of less than 2 feet.

The results of the East Breakout model indicate that the area in the vicinity of 15th Avenue to 19th Avenue would experience depths of more than 2 feet, as would the area in the vicinity of the Durango Curve to 59th Avenue, and south to the Salt River. These areas would require attention and evacuation, should such an event occur. The combined effects from both models is that a failure of Cave Buttes Dam would take approximately 12 hours for the peak flow to reach the Salt River. It should be noted that the I-17 Freeway would be under water and should not be used as a transportation route. In addition, the I-10 Freeway in the vicinity of 7th Avenue to 7th Street (I-10 Tunnel) has the potential to carry more than 2 feet of water and should not be used for transportation. As mentioned earlier, bridged crossings over ACDC within the inundation zone should not be used for transportation either.

As for the West Breakout Model, the inundation impacts are less drastic. One area that requires attention is in the neighborhood of Northern Avenue to Glendale Avenue, and from 35th Avenue to 29th Avenue, where depth of water is about 3 feet. Another high impact area is extended from immediately downstream of the breakout area, moving southwest toward Glendale Avenue. A third location is in the vicinity of the Southern Pacific Railroad and the Grand Canal, between 27th and 43rd Avenues where the depth of water is between 2.5 to 3.0 feet.

REFERENCES

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Contract FCD 88-65, 1990. Dambreak Study Report for Guadalupe Flood Retarding Structure, prepared by Greiner, Inc.

Contract FCD 88-68, 1990. Dambreak Analysis, Spook Hill FRS, prepared by Mclaughlin Kmetty Engineers, Ltd.

U.S. Geological Survey, 1987. A Diffusion Hydrodynamic Model, Water Resources Investigations Report 87-4137.

APPENDIX A

(Calculation of discharge values, using Manning's Formula)

At breakout locations on ACDC

N= .04000
S= .006000 (FT/FT)
Z= .00:1
B= 2200.0 (FT)
D= 4.29 (FT)

RESULTS:
Q= 71509.9 (CFS)
A= 9438.0 (SQ FT)
V= 7.58 (FT/SEC)
W.S. WIDTH= 2200.0 (FT)
CRITICAL DEPTH= 3.20 (FT)
CRITICAL SLOPE= .015891 (FT/FT)

CRITICAL VELOCITY= 10.15 (FT/SEC)
FROUDE NUMBER= .645
SPECIFIC ENERGY, E= 5.18 (FT)
WETTED PERIMETER= 2208.58 (FT)
HYDRAULIC RADIUS= 4.27 (FT)

N= .06000
S= .006000 (FT/FT)
Z= .00:1
B= 2200.0 (FT)
D= 4.29 (FT)

RESULTS:
Q= 47679.9 (CFS)
A= 9438.0 (SQ FT)
V= 5.05 (FT/SEC)
W.S. WIDTH= 2200.0 (FT)
CRITICAL DEPTH= 2.44 (FT)
CRITICAL SLOPE= .039090 (FT/FT)

CRITICAL VELOCITY= 8.87 (FT/SEC)
FROUDE NUMBER= .430
SPECIFIC ENERGY, E= 4.69 (FT)
WETTED PERIMETER= 2208.58 (FT)
HYDRAULIC RADIUS= 4.27 (FT)

APPENDIX B

(The East Breakout DHM Model)

*** DIFFUSION ROUTING ***

MIN. TIMESTEP(SEC.) = 1.00
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = 1.00
DECREASED TIMESTEP INTERVAL (SEC.) = 1.00
TOTAL SIMULATION(HOUR) = 14.00
UPDATE INTERVAL(TIMESTEPS) = 0
OUTPUT INTERVAL(HOUR) = .50
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 218
UNIFORM GRID SIDE(FEET) = 2000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 0
RETENTION WATER DEPTH(FEET) = .2000
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = .5000
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	0	2	4	0	.0300	1227.0	.0
2	0	3	5	1	.0250	1225.0	.0
3	0	0	6	2	.0250	1226.0	.0
4	1	5	8	0	.0300	1218.0	.0
5	2	6	9	4	.0250	1216.0	.0
6	3	7	10	5	.0250	1218.0	.0
7	0	0	11	6	.0300	1219.0	.0
8	4	9	12	0	.0300	1208.0	.0
9	5	10	13	8	.0250	1205.0	.0
10	6	11	14	9	.0250	1205.0	.0
11	7	0	15	10	.0300	1210.0	.0
12	8	13	17	0	.0250	1200.0	.0
13	9	14	18	12	.0250	1197.0	.0
14	10	15	19	13	.0250	1195.0	.0
15	11	16	20	14	.0300	1200.0	.0
16	0	0	21	15	.0350	1204.0	.0
17	12	18	22	0	.0250	1191.0	.0
18	13	19	23	17	.0300	1190.0	.0
19	14	20	24	18	.0250	1188.0	.0
20	15	21	25	19	.0250	1190.0	.0
21	16	0	26	20	.0350	1195.0	.0
22	17	23	28	0	.0350	1184.0	.0
23	18	24	29	22	.0300	1181.0	.0
24	19	25	30	23	.0250	1180.0	.0
25	20	26	31	24	.0250	1180.0	.0
26	21	27	32	25	.0300	1185.0	.0
27	0	0	33	26	.0350	1190.0	.0
28	22	29	34	0	.0350	1175.0	.0

29	23	30	35	28	.0300	1172.0	.0
30	24	31	36	29	.0250	1170.0	.0
31	25	32	37	30	.0250	1173.0	.0
32	26	33	38	31	.0300	1175.0	.0
33	27	0	39	32	.0350	1182.0	.0
34	28	35	41	0	.0300	1165.0	.0
35	29	36	42	34	.0250	1162.0	.0
36	30	37	43	35	.0250	1162.0	.0
37	31	38	44	36	.0250	1165.0	.0
38	32	39	45	37	.0300	1168.0	.0
39	33	40	46	38	.0350	1171.0	.0
40	0	0	47	39	.0350	1175.0	.0
41	34	42	48	0	.0350	1155.0	.0
42	35	43	49	41	.0250	1154.0	.0
43	36	44	50	42	.0250	1154.0	.0
44	37	45	51	43	.0250	1153.0	.0
45	38	46	52	44	.0300	1158.0	.0
46	39	47	53	45	.0350	1161.0	.0
47	40	0	54	46	.0350	1165.0	.0
48	41	49	55	0	.0300	1149.0	.0
49	42	50	56	48	.0250	1147.0	.0
50	43	51	57	49	.0250	1147.0	.0
51	44	52	58	50	.0250	1147.0	.0
52	45	53	59	51	.0300	1148.0	.0
53	46	54	60	52	.0300	1151.0	.0
54	47	0	61	53	.0350	1157.0	.0
55	48	56	62	0	.0300	1141.0	.0
56	49	57	63	55	.0250	1140.0	.0
57	50	58	64	56	.0250	1140.0	.0
58	51	59	65	57	.0250	1140.0	.0
59	52	60	66	58	.0250	1140.0	.0
60	53	61	67	59	.0300	1144.0	.0
61	54	0	68	60	.0350	1147.0	.0
62	55	63	69	0	.0350	1135.0	.0
63	56	64	70	62	.0300	1134.0	.0
64	57	65	71	63	.0300	1134.0	.0
65	58	66	72	64	.0250	1132.0	.0
66	59	67	73	65	.0250	1133.0	.0
67	60	68	74	66	.0300	1135.0	.0
68	61	0	75	67	.0350	1137.0	.0
69	62	70	76	0	.0350	1125.0	.0
70	63	71	77	69	.0300	1126.0	.0
71	64	72	78	70	.0300	1126.0	.0
72	65	73	79	71	.0250	1125.0	.0
73	66	74	80	72	.0250	1125.0	.0
74	67	75	81	73	.0300	1128.0	.0
75	68	0	82	74	.0350	1130.0	.0
76	69	77	83	0	.0350	1118.0	.0
77	70	78	84	76	.0250	1119.0	.0
78	71	79	85	77	.0250	1119.0	.0
79	72	80	86	78	.0250	1119.0	.0
80	73	81	87	79	.0300	1119.0	.0
81	74	82	88	80	.0300	1120.0	.0
82	75	0	89	81	.0350	1122.0	.0
83	76	84	90	0	.0300	1115.0	.0
84	77	85	91	83	.0250	1111.0	.0
85	78	86	92	84	.0250	1109.0	.0
86	79	87	93	85	.0300	1112.0	.0
87	80	88	94	86	.0300	1113.0	.0

88	81	89	95	87	.0300	1114.0	.0
89	82	0	96	88	.0350	1114.0	.0
90	83	91	97	0	.0350	1110.0	.0
91	84	92	98	90	.0300	1103.0	.0
92	85	93	99	91	.0250	1105.0	.0
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95	88	96	102	94	.0300	1107.0	.0
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97	90	98	104	0	.0300	1100.0	.0
98	91	99	105	97	.0250	1098.0	.0
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100	93	101	107	99	.0300	1101.0	.0
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102	95	103	109	101	.0350	1100.0	.0
103	96	0	110	102	.0350	1099.0	.0
104	97	105	111	0	.0300	1095.0	.0
105	98	106	112	104	.0250	1094.0	.0
106	99	107	113	105	.0250	1095.0	.0
107	100	108	114	106	.0300	1095.0	.0
108	101	109	115	107	.0300	1095.0	.0
109	102	110	116	108	.0350	1095.0	.0
110	103	0	0	109	.0350	1096.0	.0
111	104	112	125	0	.0300	1090.0	.0
112	105	113	126	111	.0250	1089.0	.0
113	106	114	127	112	.0250	1090.0	.0
114	107	115	120	113	.0300	1090.0	.0
115	108	116	121	114	.0350	1090.0	.0
116	110	117	121	115	.0350	1089.0	.0
117	0	118	122	116	.0350	1090.0	.0
118	0	119	123	117	.0350	1091.0	.0
119	0	0	124	118	.0350	1093.0	.0
120	114	121	127	113	.0350	1088.0	.0
121	116	122	128	120	.0350	1088.0	.0
122	117	123	129	121	.0350	1088.0	.0
123	118	124	130	122	.0350	1088.0	.0
124	119	0	131	123	.0350	1089.0	.0
125	111	126	136	0	.0300	1084.0	.0
126	112	127	137	125	.0250	1083.0	.0
127	120	128	137	126	.0250	1082.0	.0
128	121	129	138	127	.0350	1082.0	.0
129	122	130	139	128	.0350	1083.0	.0
130	123	131	140	129	.0350	1084.0	.0
131	124	132	141	130	.0350	1088.0	.0
132	0	133	142	131	.0350	1090.0	.0
133	0	134	143	132	.0350	1089.0	.0
134	0	135	144	133	.0350	1088.0	.0
135	0	0	145	134	.0350	1088.0	.0
136	125	137	147	0	.0300	1079.0	.0
137	126	138	148	136	.0250	1082.0	.0
138	128	139	149	137	.0250	1082.0	.0
139	129	140	149	138	.0250	1082.0	.0
140	130	141	150	139	.0300	1081.0	.0
141	131	142	151	140	.0300	1083.0	.0
142	132	143	152	141	.0350	1085.0	.0
143	133	144	153	142	.0350	1085.0	.0
144	134	145	154	143	.0350	1085.0	.0
145	135	146	155	144	.0350	1087.0	.0
146	0	0	156	145	.0350	1090.0	.0

147	136	148	158	0	.0300	1075.0	.0
148	137	149	159	147	.0250	1075.0	.0
149	138	150	160	148	.0250	1078.0	.0
150	140	151	160	149	.0300	1081.0	.0
151	141	152	161	150	.0350	1082.0	.0
152	142	153	162	151	.0300	1080.0	.0
153	143	154	163	152	.0300	1080.0	.0
154	144	155	164	153	.0250	1082.0	.0
155	145	156	165	154	.0350	1083.0	.0
156	146	157	166	155	.0350	1080.0	.0
157	0	0	0	156	.0350	1085.0	.0
158	147	159	167	0	.0300	1070.0	.0
159	148	160	168	158	.0250	1071.0	.0
160	149	161	168	159	.0250	1075.0	.0
161	151	162	169	160	.0250	1078.0	.0
162	152	163	170	161	.0250	1070.0	.0
163	153	164	171	162	.0300	1075.0	.0
164	154	165	172	163	.0250	1079.0	.0
165	155	166	173	164	.0350	1083.0	.0
166	156	0	0	165	.0350	1081.0	.0
167	158	168	174	0	.0300	1065.0	.0
168	159	169	175	167	.0300	1070.0	.0
169	161	170	175	168	.0300	1069.0	.0
170	162	171	176	169	.0250	1065.0	.0
171	163	172	177	170	.0250	1069.0	.0
172	164	173	178	171	.0300	1070.0	.0
173	165	0	0	172	.0350	1070.0	.0
174	167	175	179	0	.0350	1059.0	.0
175	168	176	180	174	.0300	1064.0	.0
176	170	177	181	175	.0250	1060.0	.0
177	171	178	0	176	.0300	1062.0	.0
178	172	0	0	177	.0350	1065.0	.0
179	174	180	0	183	.0250	1057.0	.0
180	175	181	0	179	.0250	1058.0	.0
181	176	0	0	180	.0350	1057.0	.0
182	0	183	185	0	.0300	1059.0	.0
183	179	184	186	182	.0250	1055.0	.0
184	179	0	187	183	.0250	1054.0	.0
185	182	186	188	0	.0300	1058.0	.0
186	183	187	189	185	.0300	1051.0	.0
187	184	0	190	186	.0300	1051.0	.0
188	185	189	191	0	.0300	1050.0	.0
189	186	190	192	188	.0300	1048.0	.0
190	187	0	193	189	.0300	1045.0	.0
191	188	192	194	0	.0300	1050.0	.0
192	189	193	195	191	.0300	1042.0	.0
193	190	0	196	192	.0300	1042.0	.0
194	191	195	197	0	.0300	1042.0	.0
195	192	196	198	194	.0300	1039.0	.0
196	193	0	199	195	.0300	1040.0	.0
197	194	198	200	0	.0300	1039.0	.0
198	195	199	201	197	.0300	1035.0	.0
199	196	0	202	198	.0300	1033.0	.0
200	197	201	203	0	.0300	1038.0	.0
201	198	202	204	200	.0300	1031.0	.0
202	199	0	205	201	.0300	1031.0	.0
203	200	204	206	0	.0300	1031.0	.0
204	201	205	207	203	.0300	1029.0	.0
205	202	0	208	204	.0300	1023.0	.0

```
206 203 207 209   0  .0300  1027.0    .0
207 204 208 210 206  .0300  1020.0    .0
208 205   0 211 207  .0300  1020.0    .0
209 206 210 212   0  .0300  1021.0    .0
210 207 211 213 209  .0300  1019.0    .0
211 208   0 214 210  .4000  1018.0    .0
212 209 213 215   0  .0300  1018.0    .0
213 210 214 216 212  .0300  1015.0    .0
214 211   0 217 213  .0300  1005.0    .0
215 212 216   0   0  .0300  1015.0    .0
216 213 217 218 215  .0300  1010.0    .0
217 214   0   0 216  .0300  1005.0    .0
218 216   0   0   0  .0300  1005.0    .0
```

```
INFLOW HYDROGRAPH AT NODE #  2
  HOUR      CFS
   .0         0.
  6.0         0.
  7.4     71510.
  9.0         0.
```

```
NUMBER OF CRITICAL-DEPTH OUTFLOW NODES =    1
CRITICAL-DEPTH OUTFLOW NODE NUMBERS:
180
```

```
MODEL TIME(HOURS) =        .50 (SECONDS) =  .181E+04 (TOTAL TIMESTEP NUMBER) =   7.5E+01
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
```

```
MIN. TIMESTEP(SEC.) =  1.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 24.20
```

```
MODEL TIME(HOURS) =       1.00 (SECONDS) =  .361E+04 (TOTAL TIMESTEP NUMBER) =   1.4E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
```

```
MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =       1.50 (SECONDS) =  .541E+04 (TOTAL TIMESTEP NUMBER) =   2.0E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00

-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       2.00 (SECONDS) =  .721E+04 (TOTAL TIMESTEP NUMBER) =   2.6E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00

-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       2.50 (SECONDS) =  .902E+04 (TOTAL TIMESTEP NUMBER) =   3.2E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00

-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       3.00 (SECONDS) =  .108E+05 (TOTAL TIMESTEP NUMBER) =   3.8E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------
MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------
```

```
MODEL TIME(HOURS) =       3.50 (SECONDS) =  .126E+05 (TOTAL TIMESTEP NUMBER) =   4.4E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------------

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00

-----------------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       4.00 (SECONDS) =  .144E+05 (TOTAL TIMESTEP NUMBER) =   5.0E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------------

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00

-----------------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       4.50 (SECONDS) =  .162E+05 (TOTAL TIMESTEP NUMBER) =   5.6E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------------

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00

-----------------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       5.00 (SECONDS) =  .180E+05 (TOTAL TIMESTEP NUMBER) =   6.2E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:
     NODE   OUTFLOW RATE(CFS)
      180            .00
-----------------------------------------------------------------------------------------------------------------------------
MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------------
```

MODEL TIME(HOURS) = 5.50 (SECONDS) = .198E+05 (TOTAL TIMESTEP NUMBER) = 6.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO .00

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 6.00 (SECONDS) = .216E+05 (TOTAL TIMESTEP NUMBER) = 7.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 212.56

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.002	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1227.000	1225.002	1226.000	1218.000	1216.000	1218.000	1219.000	1208.000	1205.000	1205.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 6.50 (SECONDS) = .234E+05 (TOTAL TIMESTEP NUMBER) = 8.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 25751.45

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	1.860	.378	.010	2.046	.033	.000	.000	1.391	.050
ELEVATION	1227.000	1226.860	1226.378	1218.010	1218.046	1218.033	1219.000	1208.000	1206.391	1205.050
VEL-N	.000	.000	.000	.000	-5.940	-1.294	.000	.000	-6.399	.000
VEL-E	.000	.988	.000	-.250	.197	.000	.000	.000	1.118	.000
VEL-S	.000	5.940	1.294	.000	6.399	.000	.000	.000	3.188	.000
VEL-W	.000	.000	-.988	.000	.250	-.197	.000	.000	.000	-1.118

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.171	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1210.000	1200.000	1197.171	1195.000	1200.000	1204.000	1191.000	1190.000	1188.000	1190.000
VEL-N	.000	.000	-3.188	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 7.00 (SECONDS) = .252E+05 (TOTAL TIMESTEP NUMBER) = 8.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 51290.34

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.517	2.800	1.077	.372	2.414	.607	.000	.024	2.469	1.150
ELEVATION	1227.517	1227.800	1227.077	1218.372	1218.414	1218.607	1219.000	1208.024	1207.469	1206.150
VEL-N	.000	.000	.000	-1.914	-7.691	-3.425	.000	-1.170	-7.888	-3.328
VEL-E	-.892	1.746	.000	-.319	-.417	.000	.000	.000	2.260	.000
VEL-S	1.914	7.691	3.425	1.170	7.888	3.328	.000	.000	6.523	4.406
VEL-W	.000	.892	-1.746	.000	.319	.417	.000	.000	.000	-2.260

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	1.895	1.857	.000	.000	.227	1.421	2.256	.142
ELEVATION	1210.000	1200.000	1198.895	1196.857	1200.000	1204.000	1191.227	1191.421	1190.255	1190.142
VEL-N	.000	.000	-6.523	-4.406	.000	.000	.000	-4.613	-5.120	.000
VEL-E	.000	.000	2.868	.000	.000	.000	-.485	1.644	.584	.000
VEL-S	.000	.000	4.613	5.120	.000	.000	.694	4.084	6.244	.000
VEL-W	.000	.000	.000	-2.868	.000	.000	.000	.485	-1.644	-.584

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.004	1.285	1.930	.123	.000	.000	.000	.358	.423
ELEVATION	1195.000	1184.004	1182.285	1181.930	1180.123	1185.000	1190.000	1175.000	1172.358	1170.423
VEL-N	.000	-.694	-4.084	-6.244	.000	.000	.000	.000	-2.988	-4.751
VEL-E	.000	.000	.925	1.699	.000	.000	.000	.000	.813	.000
VEL-S	.000	.000	2.988	4.751	.000	.000	.000	.000	1.189	1.196
VEL-W	.000	.000	.000	-.925	-1.699	.000	.000	.000	.000	-.813

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.012	.007	.000	.000	.000	.000
ELEVATION	1173.000	1175.000	1182.000	1165.000	1162.012	1162.007	1165.000	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	-1.189	-1.196	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) - 7.50 (SECONDS) - .270E+05 (TOTAL TIMESTEP NUMBER) - 9.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 66855.66

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.854	3.225	1.375	.948	2.968	1.016	.000	.808	3.009	1.805
ELEVATION	1227.854	1228.225	1227.375	1218.948	1218.968	1219.016	1219.000	1208.808	1208.009	1206.805
VEL-N	.000	.000	.000	-2.979	-8.609	-4.331	.000	-3.225	-9.091	-4.688
VEL-E	-1.200	2.149	.000	.000	-.287	.000	.000	.919	2.622	.000
VEL-S	2.979	8.609	4.331	3.225	9.091	4.688	.000	2.265	7.651	5.918
VEL-W	.000	1.200	-2.149	.000	.000	.287	.000	.000	-.919	-2.622

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.242	2.575	2.747	.000	.000	.503	1.782	2.896	.546
ELEVATION	1210.000	1200.242	1199.575	1197.747	1200.000	1204.000	1191.503	1191.782	1190.896	1190.546
VEL-N	.000	-2.265	-7.651	-5.918	.000	.000	-1.480	-5.659	-6.808	.000
VEL-E	.000	.408	3.374	.000	.000	.000	-.701	1.673	1.124	.000
VEL-S	.000	1.480	5.659	6.808	.000	.000	1.477	4.797	7.356	2.671
VEL-W	.000	.000	-.408	-3.374	.000	.000	.000	.701	-1.673	-1.124

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.207	1.668	2.313	1.323	.000	.000	.001	1.122	2.742
ELEVATION	1195.000	1184.207	1182.668	1182.313	1181.323	1185.000	1190.000	1175.001	1173.122	1172.742
VEL-N	.000	-1.477	-4.797	-7.356	-2.671	.000	.000	-.622	-4.253	-7.175
VEL-E	.000	.436	1.007	1.959	.000	.000	.000	.000	.815	-1.508
VEL-S	.000	.622	4.253	7.175	3.969	.000	.000	.000	4.014	7.085
VEL-W	.000	.000	-.436	-1.007	-1.959	.000	.000	.000	.000	-.815

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.020	.000	.000	.000	1.562	2.239	.338	.000	.000	.000
ELEVATION	1174.020	1175.000	1182.000	1165.000	1163.562	1164.239	1165.338	1168.000	1171.000	1175.000
VEL-N	-3.969	.000	.000	.000	-4.014	-7.085	-2.975	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.650	-.654	.000	.000	.000	.000
VEL-S	2.975	.000	.000	.000	4.922	6.303	2.093	.000	.000	.000
VEL-W	1.508	.000	.000	.000	.000	1.650	.654	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.240	1.985	2.023	1.080	.000	.000	.000	.002	1.566	1.800
ELEVATION	1155.240	1155.985	1156.023	1154.080	1158.000	1161.000	1165.000	1149.002	1148.566	1148.800
VEL-N	.000	-4.922	-6.303	-2.093	.000	.000	.000	-.593	-5.264	-5.520
VEL-E	-1.058	-.429	2.519	.000	.000	.000	.000	.000	-1.032	1.640
VEL-S	.593	5.264	5.520	2.722	.000	.000	.000	.000	3.297	4.187
VEL-W	.000	1.058	.429	-2.519	.000	.000	.000	.000	.000	1.032

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.424	.000	.000	.000	.000	.197	.599	.017	.000	.000
ELEVATION	1147.424	1148.000	1151.000	1157.000	1141.000	1140.197	1140.599	1140.017	1140.000	1144.000
VEL-N	-2.722	.000	.000	.000	.000	-3.297	-4.187	-1.200	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.404	.406	.000	.000	.000
VEL-S	1.200	.000	.000	.000	.000	.000	1.307	.000	.000	.000
VEL-W	-1.640	.000	.000	.000	.000	.000	.404	-.406	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.021	.000	.000	.000	.000	.000	.000
ELEVATION	1147.000	1135.000	1134.000	1134.021	1132.000	1133.000	1135.000	1137.000	1125.000	1126.000
VEL-N	.000	.000	.000	-1.307	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 8.00 (SECONDS) = .288E+05 (TOTAL TIMESTEP NUMBER) = 9.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 44509.11

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.533	2.614	1.014	.586	2.517	.776	.000	.638	2.590	1.529
ELEVATION	1227.533	1227.614	1227.014	1218.586	1218.516	1218.776	1219.000	1208.638	1207.590	1206.529
VEL-N	.000	.000	.000	-2.196	-7.535	-3.558	.000	-2.464	-8.151	-3.945
VEL-E	-.478	1.542	.000	.220	-.570	.000	.000	.922	2.223	.000
VEL-S	2.196	7.535	3.558	2.464	8.151	3.945	.000	2.337	6.973	5.316
VEL-W	.000	.478	-1.542	.000	-.220	.570	.000	.000	-.922	-2.223

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.465	2.318	2.507	.000	.000	.699	1.717	2.738	.568
ELEVATION	1210.000	1200.465	1199.318	1197.507	1200.000	1204.000	1191.699	1191.717	1190.738	1190.568
VEL-N	.000	-2.337	-6.973	-5.316	.000	.000	-2.372	-5.333	-6.399	.000
VEL-E	.000	.856	3.141	.000	.000	.000	.000	1.715	.777	.000
VEL-S	.000	2.372	5.333	6.399	.000	.000	2.260	4.759	7.189	2.769
VEL-W	.000	.000	-.856	-3.141	.000	.000	.000	.000	-1.715	-.777

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.642	1.775	2.348	1.424	.000	.000	.286	1.334	2.834
ELEVATION	1195.000	1184.642	1182.775	1182.348	1181.424	1185.000	1190.000	1175.286	1173.334	1172.834
VEL-N	.000	-2.260	-4.759	-7.189	-2.769	.000	.000	-1.729	-4.575	-7.257
VEL-E	.000	1.036	1.158	1.956	.000	.000	.000	.607	1.032	-1.738
VEL-S	.000	1.729	4.575	7.257	4.282	.000	.000	.910	4.498	7.499
VEL-W	.000	.000	-1.036	-1.158	-1.956	.000	.000	.000	-.607	-1.032

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.189	.000	.000	.017	1.916	2.736	.777	.000	.000	.000
ELEVATION	1174.189	1175.000	1182.000	1165.017	1163.916	1164.736	1165.777	1168.000	1171.000	1175.000
VEL-N	-4.282	.000	.000	-.910	-4.498	-7.499	-3.817	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.117	-1.146	.000	.000	.000	.000
VEL-S	3.817	.000	.000	.000	5.755	7.052	3.750	.000	.000	.000
VEL-W	1.738	.000	.000	.000	.000	2.117	1.146	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.736	2.048	2.114	1.651	.000	.000	.000	.310	1.945	1.919
ELEVATION	1155.736	1156.048	1156.114	1154.651	1158.000	1161.000	1165.000	1149.310	1148.945	1148.919
VEL-N	.000	-5.755	-7.052	-3.750	.000	.000	.000	-1.673	-5.620	-5.694
VEL-E	-.777	-.560	2.455	.000	.000	.000	.000	.328	.337	.956
VEL-S	1.673	5.620	5.694	4.536	.000	.000	.000	1.382	5.464	5.408
VEL-W	.000	.777	.560	-2.455	.000	.000	.000	.000	-.328	-.337

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	1.684	.323	.000	.000	.709	1.996	1.975	1.668	.707	.000
ELEVATION	1148.684	1148.323	1151.000	1157.000	1141.709	1141.996	1141.975	1141.668	1140.707	1144.000
VEL-N	-4.536	.000	.000	.000	-1.382	-5.464	-5.408	-4.965	-1.556	.000
VEL-E	.728	.000	.000	.000	-.781	.000	1.098	1.463	.000	.000
VEL-S	4.965	1.556	.000	.000	1.882	4.631	4.547	5.130	2.754	.000
VEL-W	-.956	-.728	.000	.000	.000	.781	.000	-1.098	-1.463	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.596	1.852	1.687	2.118	.844	.000	.000	.330	1.741
ELEVATION	1147.000	1135.596	1135.852	1135.687	1134.119	1133.844	1135.000	1137.000	1125.330	1127.741
VEL-N	.000	-1.882	-4.631	-4.547	-5.130	-2.754	.000	.000	-1.752	-4.669
VEL-E	.000	-.635	.656	2.167	.977	.000	.000	.000	-1.594	.381
VEL-S	.000	1.752	4.669	4.448	5.735	2.817	.000	.000	.736	3.742
VEL-W	.000	.000	.635	-.656	-2.167	-.977	.000	.000	.000	1.594

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	1.695	2.436	.504	.000	.000	.016	.595	.563	.796	.019
ELEVATION	1127.695	1127.436	1125.504	1128.000	1130.000	1118.016	1119.595	1119.563	1119.796	1119.019
VEL-N	-4.448	-5.735	-2.817	.000	.000	-.736	-3.742	-3.630	-4.931	-1.123
VEL-E	.859	2.345	.000	.000	.000	-.583	.165	-.414	.501	.000
VEL-S	3.630	4.931	1.123	.000	.000	.000	1.677	1.775	1.694	.000
VEL-W	-.381	-.859	-2.345	.000	.000	.000	.583	-.165	.414	-.501

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.034	.031	.032	.000	.000	.000	.000
ELEVATION	1120.000	1122.000	1115.000	1111.034	1109.031	1112.032	1113.000	1114.000	1114.000	1110.000
VEL-N	.000	.000	.000	-1.677	-1.775	-1.694	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 8.50 (SECONDS) = .306E+05 (TOTAL TIMESTEP NUMBER) = 1.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	1.842	.617	.222	1.860	.491	.000	.302	1.970	1.073
ELEVATION	1227.199	1226.842	1226.617	1218.222	1217.860	1218.491	1219.000	1208.302	1206.970	1206.073
VEL-N	.000	.000	.000	.000	-6.020	-2.576	.000	-1.297	-6.669	-2.933
VEL-E	.000	.739	.000	.267	-.656	.000	.000	.633	1.677	.000
VEL-S	.000	6.020	2.576	1.297	6.669	2.933	.000	1.496	5.817	4.240
VEL-W	.000	.000	-.739	.000	-.267	.656	.000	.000	-.633	-1.677

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.267	1.791	1.909	.000	.000	.403	1.343	2.220	.231
ELEVATION	1210.000	1200.267	1198.791	1196.909	1200.000	1204.000	1191.403	1191.343	1190.220	1190.231
VEL-N	.000	-1.496	-5.817	-4.240	.000	.000	-1.654	-4.467	-5.313	.000
VEL-E	.000	.673	2.700	.000	.000	.000	.159	1.561	.000	.000
VEL-S	.000	1.654	4.467	5.313	.000	.000	1.602	4.050	6.251	1.542
VEL-W	.000	.000	-.673	-2.700	.000	.000	.000	-.159	-1.561	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.397	1.382	1.937	1.025	.000	.000	.393	1.089	2.341
ELEVATION	1195.000	1184.397	1182.382	1181.937	1181.025	1185.000	1190.000	1175.393	1173.089	1172.341
VEL-N	.000	-1.602	-4.050	-6.251	-1.542	.000	.000	-1.542	-3.900	-6.416
VEL-E	.000	.789	1.002	1.655	.000	.000	.000	.835	1.107	-1.518
VEL-S	.000	1.542	3.900	6.416	3.455	.000	.000	1.509	3.947	6.645
VEL-W	.000	.000	-.789	-1.002	-1.655	.000	.000	.000	-.835	-1.107

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.879	.000	.000	.236	1.627	2.343	.605	.000	.000	.000
ELEVATION	1173.879	1175.000	1182.000	1165.236	1163.627	1164.343	1165.605	1168.000	1171.000	1175.000
VEL-N	-3.455	.000	.000	-1.509	-3.947	-6.645	-3.146	.000	.000	.000
VEL-E	.000	.000	.000	.582	-1.784	-1.070	.000	.000	.000	.000
VEL-S	3.146	.000	.000	1.204	5.169	6.340	3.190	.000	.000	.000
VEL-W	1.518	.000	.000	.000	-.582	1.784	1.070	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.664	1.766	1.817	1.422	.000	.000	.000	.423	1.772	1.741
ELEVATION	1155.664	1155.766	1155.817	1154.422	1158.000	1161.000	1165.000	1149.423	1148.772	1148.741
VEL-N	-1.204	-5.169	-6.340	-3.190	.000	.000	.000	-1.704	-5.147	-5.203
VEL-E	-.410	-.445	2.170	.000	.000	.000	.000	.548	.343	.860
VEL-S	1.704	5.147	5.203	4.094	.000	.000	.000	1.727	5.112	5.046
VEL-W	.000	.410	.445	-2.170	.000	.000	.000	.000	-.548	-.343

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	1.525	.347	.000	.000	.777	1.908	1.885	1.565	.769	.000
ELEVATION	1148.525	1148.347	1151.000	1157.000	1141.777	1141.908	1141.885	1141.565	1140.769	1144.000
VEL-N	-4.094	.000	.000	.000	-1.727	-5.112	-5.046	-4.656	-1.648	.000
VEL-E	.493	.000	.000	.000	-.526	.000	1.094	1.318	.000	.000
VEL-S	4.656	1.648	.000	.000	2.120	4.517	4.383	4.954	2.932	.000
VEL-W	-.860	-.493	.000	.000	.000	.526	.000	-1.094	-1.318	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.796	1.817	1.563	1.949	.891	.000	.000	1.301	1.385
ELEVATION	1147.000	1135.796	1135.817	1135.563	1133.949	1133.891	1135.000	1137.000	1126.301	1127.385
VEL-N	.000	-2.120	-4.517	-4.383	-4.954	-2.932	.000	.000	-2.517	-4.407
VEL-E	.000	-.184	.793	2.071	.410	.000	.000	.000	-1.297	.282
VEL-S	.000	2.517	4.407	4.079	5.476	3.358	.000	.000	2.821	3.850
VEL-W	.000	.000	.184	-.793	-2.071	-.410	.000	.000	.000	1.297

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	1.342	2.000	1.472	.000	.000	2.079	1.209	1.342	1.744	1.696
ELEVATION	1127.342	1127.000	1126.472	1128.000	1130.000	1120.079	1120.209	1120.342	1120.744	1120.696
VEL-N	-4.079	-5.476	-3.358	.000	.000	-2.821	-3.850	-3.891	-5.054	-3.760
VEL-E	.860	1.394	.000	.000	.000	-.460	-.577	-1.132	.377	.611
VEL-S	3.891	5.054	3.760	.000	.000	2.698	4.243	4.758	4.523	3.768
VEL-W	-.282	-.860	-1.394	.000	.000	.000	.460	.577	1.132	-.377

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.426	.000	.843	1.294	2.695	1.541	1.483	.156	.000	.100
ELEVATION	1120.426	1122.000	1115.843	1112.294	1111.695	1113.541	1114.483	1114.156	1114.000	1110.100
VEL-N	.000	.000	-2.698	-4.243	-4.758	-4.523	-3.768	-1.195	.000	-1.446
VEL-E	.000	.000	1.987	1.201	-2.188	-1.397	.563	.000	.000	.000
VEL-S	1.195	.000	1.446	3.749	5.109	4.094	3.305	.000	.000	.000
VEL-W	-.611	.000	.000	-1.987	-1.201	2.188	1.397	-.563	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	2.455	2.032	2.119	.695	.015	.000	.000	1.208	1.472	.796
ELEVATION	1105.455	1107.032	1107.119	1107.695	1107.015	1106.000	1100.000	1099.208	1100.473	1101.796
VEL-N	-3.749	-5.109	-4.094	-3.305	.000	.000	.000	-4.422	-4.905	-3.549
VEL-E	-2.459	-.609	-.745	.469	.000	.000	.000	-1.760	-1.148	.000
VEL-S	4.422	4.905	3.549	1.426	.000	.000	.000	2.039	2.591	1.533
VEL-W	.000	2.459	.609	.745	-.469	.000	.000	.000	1.760	1.148

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.052	.000	.000	.000	.074	.211	.050	.000	.000	.000
ELEVATION	1102.052	1100.000	1099.000	1095.000	1094.074	1095.211	1095.050	1095.000	1095.000	1096.000
VEL-N	-1.426	.000	.000	.000	-2.039	-2.591	-1.533	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 9.00 (SECONDS) = .324E+05 (TOTAL TIMESTEP NUMBER) = 1.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.626	.196	.198	.848	.199	.000	.199	1.035	.536
ELEVATION	1227.199	1225.626	1226.196	1218.198	1216.848	1218.199	1219.000	1208.199	1206.035	1205.536
VEL-N	.000	.000	.000	.000	-2.972	.000	.000	.000	-3.987	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.816	.000
VEL-S	.000	2.972	.000	.000	3.987	.000	.000	.000	3.893	2.727
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.816

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	1.049	1.146	.000	.000	.199	.833	1.394	.197
ELEVATION	1210.000	1200.198	1198.049	1196.146	1200.000	1204.000	1191.199	1190.833	1189.394	1190.197
VEL-N	.000	.000	-3.893	-2.727	.000	.000	.000	-3.143	-3.813	.000
VEL-E	.000	.000	1.910	.000	.000	.000	.000	1.290	.000	.000
VEL-S	.000	.000	3.143	3.813	.000	.000	.000	2.953	4.675	.000
VEL-W	.000	.000	.000	-1.910	.000	.000	.000	.000	-1.290	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.884	1.339	.620	.000	.000	.195	.720	1.682
ELEVATION	1195.000	1184.199	1181.885	1181.339	1180.620	1185.000	1190.000	1175.195	1172.720	1171.682
VEL-N	.000	.000	-2.953	-4.675	.000	.000	.000	.000	-2.916	-5.045
VEL-E	.000	.000	.827	1.122	.000	.000	.000	.000	.994	-1.219
VEL-S	.000	.000	2.916	5.045	2.483	.000	.000	.000	3.024	5.323
VEL-W	.000	.000	.000	-.827	-1.122	.000	.000	.000	.000	-.994

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.547	.000	.000	.199	1.156	1.742	.388	.000	.000	.000
ELEVATION	1173.547	1175.000	1182.000	1165.199	1163.156	1163.742	1165.388	1168.000	1171.000	1175.000
VEL-N	-2.483	.000	.000	.000	-3.024	-5.323	-2.300	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.310	-.910	.000	.000	.000	.000
VEL-S	2.300	.000	.000	.000	4.114	5.205	2.394	.000	.000	.000
VEL-W	1.219	.000	.000	.000	.000	1.310	.910	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.397	1.354	1.392	1.053	.000	.000	.000	.318	1.412	1.383
ELEVATION	1155.397	1155.354	1155.392	1154.053	1158.000	1161.000	1165.000	1149.318	1148.412	1148.383
VEL-N	.000	-4.114	-5.205	-2.394	.000	.000	.000	-1.282	-4.305	-4.399
VEL-E	.125	-.324	1.767	.000	.000	.000	.000	.539	.000	.681
VEL-S	1.282	4.305	4.399	3.342	.000	.000	.000	1.446	4.383	4.341
VEL-W	.000	-.125	.324	-1.767	.000	.000	.000	.000	-.539	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	1.205	.198	.000	.000	.545	1.569	1.543	1.264	.585	.000
ELEVATION	1148.205	1148.198	1151.000	1157.000	1141.546	1141.569	1141.543	1141.264	1140.585	1144.000
VEL-N	-3.342	.000	.000	.000	-1.446	-4.383	-4.341	-3.978	-1.146	.000
VEL-E	.000	.000	.000	.000	.000	.000	.891	1.043	.000	.000
VEL-S	3.978	1.146	.000	.000	1.681	3.996	3.830	4.295	2.457	.000
VEL-W	-.681	.000	.000	.000	.000	.000	.000	-.891	-1.043	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.580	1.570	1.296	1.662	.648	.000	.000	1.120	1.213
ELEVATION	1147.000	1135.580	1135.570	1135.296	1133.662	1133.648	1135.000	1137.000	1126.120	1127.213
VEL-N	.000	-1.681	-3.996	-3.830	-4.295	-2.457	.000	.000	-2.039	-4.001
VEL-E	.000	.000	.740	1.841	.000	.000	.000	.000	-1.187	.297
VEL-S	.000	2.039	4.001	3.629	4.915	2.726	.000	.000	2.564	3.545
VEL-W	.000	.000	.000	-.740	-1.841	.000	.000	.000	.000	1.187

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	1.156	1.746	1.215	.000	.000	1.881	1.083	1.180	1.551	1.494
ELEVATION	1127.156	1126.746	1126.215	1128.000	1130.000	1119.881	1120.083	1120.180	1120.551	1120.494
VEL-N	-3.629	-4.915	-2.726	.000	.000	-2.564	-3.545	-3.523	-4.626	-3.301
VEL-E	.853	1.260	.000	.000	.000	-.524	-.452	-.999	.381	.360
VEL-S	3.523	4.626	3.301	.000	.000	2.585	3.915	4.382	4.153	3.406
VEL-W	-.297	-.853	-1.260	.000	.000	.000	.524	.452	.999	-.381

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.382	.000	1.039	1.315	2.501	1.334	1.216	.337	.026	.457
ELEVATION	1120.382	1122.000	1116.039	1112.315	1111.500	1113.334	1114.216	1114.337	1114.026	1110.457
VEL-N	.000	.000	-2.585	-3.915	-4.382	-4.153	-3.406	-1.381	.000	-1.994
VEL-E	.000	.000	2.397	1.441	-1.985	-1.186	-.185	.183	.000	1.391
VEL-S	1.381	.000	1.994	3.876	4.788	3.743	3.172	1.402	.000	1.907
VEL-W	-.360	.000	.000	-2.397	-1.441	1.985	1.186	.185	-.183	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	2.198	1.712	1.820	.920	.513	.051	.580	2.593	1.994	1.256
ELEVATION	1105.198	1106.712	1106.820	1107.920	1107.513	1106.051	1100.580	1100.593	1100.995	1102.255
VEL-N	-3.876	-4.788	-3.743	-3.172	-1.402	.000	-1.907	-4.390	-4.555	-3.445
VEL-E	-2.130	-.640	-1.319	.619	.530	.000	.000	-1.335	-1.584	-.520
VEL-S	4.390	4.555	3.445	2.363	1.592	.000	1.629	5.009	4.101	3.117
VEL-W	-1.391	2.130	.640	1.319	-.619	-.530	.000	.000	1.335	1.584

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.645	.393	.009	1.109	2.358	1.525	1.427	.994	.078	.000
ELEVATION	1102.645	1100.393	1099.009	1096.109	1096.358	1096.525	1096.427	1095.994	1095.078	1096.000
VEL-N	-2.363	-1.592	.000	-1.629	-5.009	-4.101	-3.117	-2.147	-.808	.000
VEL-E	.989	.372	.000	-.872	-.727	.484	.852	.635	.000	.000
VEL-S	2.147	.808	.000	2.625	5.275	3.918	3.097	1.823	.000	.000
VEL-W	.520	-.989	-.372	.000	.872	.727	-.484	-.852	-.635	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	1.289	2.353	1.611	1.645	.350	.003	.000	.000	.000	.879
ELEVATION	1091.289	1091.353	1091.611	1091.645	1090.350	1089.003	1090.000	1091.000	1093.000	1088.879
VEL-N	-2.625	-5.275	-3.918	-3.097	-1.823	.000	.000	.000	.000	-1.966
VEL-E	-.550	-.943	.000	1.151	.320	.000	.000	.000	.000	.486
VEL-S	2.660	5.692	4.449	1.966	.436	.000	.000	.000	.000	2.349
VEL-W	.000	.550	.943	.000	-1.151	-.320	.000	.000	.000	-2.122

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.019	.000	.000	.000	.579	2.541	.858	.010	.000	.000
ELEVATION	1088.019	1088.000	1088.000	1089.000	1084.579	1085.541	1082.858	1082.010	1083.000	1084.000
VEL-N	.000	.000	.000	.000	-2.660	-5.692	-2.349	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.605	3.075	.508	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.079	3.057	.430	.000	.000	.000
VEL-W	-.486	.000	.000	.000	.000	1.605	-3.075	-.508	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.035	.641	.008	.000	.000
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.035	1082.641	1082.008	1082.000	1081.000
VEL-N	.000	.000	.000	.000	.000	-1.079	-3.057	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-1.032	.448	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.654	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.032	-.448	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.000	.033	.000	.000
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.000	1075.033	1078.000	1081.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.654	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 9.50 (SECONDS) = .342E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.323	.198
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.323	1205.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.202	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	1.799	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.202

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.378	.462	.000	.000	.199	.376	.656	.197
ELEVATION	1210.000	1200.198	1197.378	1195.462	1200.000	1204.000	1191.199	1190.376	1188.656	1190.197
VEL-N	.000	.000	-1.799	.000	.000	.000	.000	-1.686	-2.101	.000
VEL-E	.000	.000	.972	.000	.000	.000	.000	.832	.000	.000
VEL-S	.000	.000	1.686	2.101	.000	.000	.000	1.741	2.852	.000
VEL-W	.000	.000	.000	-.972	.000	.000	.000	.000	-.832	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.440	.715	.330	.000	.000	.195	.377	.979
ELEVATION	1195.000	1184.199	1181.440	1180.715	1180.330	1185.000	1190.000	1175.195	1172.377	1170.979
VEL-N	.000	.000	-1.741	-2.852	.000	.000	.000	.000	-1.849	-3.341
VEL-E	.000	.000	.598	.542	.000	.000	.000	.000	.749	-.955
VEL-S	.000	.000	1.849	3.341	1.674	.000	.000	.000	1.979	3.707
VEL-W	.000	.000	.000	-.598	-.542	.000	.000	.000	.000	-.749

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.320	.000	.000	.199	.660	1.080	.236	.000	.000	.000
ELEVATION	1173.320	1175.000	1182.000	1165.199	1162.660	1163.080	1165.236	1168.000	1171.000	1175.000
VEL-N	-1.674	.000	.000	.000	-1.979	-3.707	-1.619	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.793	-.748	.000	.000	.000	.000
VEL-S	1.619	.000	.000	.000	2.836	3.801	1.734	.000	.000	.000
VEL-W	.955	.000	.000	.000	.000	.793	.748	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.840	.903	.696	.000	.000	.000	.198	.937	.928
ELEVATION	1155.200	1154.840	1154.903	1153.696	1158.000	1161.000	1165.000	1149.198	1147.937	1147.928
VEL-N	.000	-2.836	-3.801	-1.734	.000	.000	.000	.000	-3.128	-3.298
VEL-E	.000	-.306	1.266	.000	.000	.000	.000	.000	.000	.406
VEL-S	.000	3.128	3.298	2.543	.000	.000	.000	.000	3.340	3.321
VEL-W	.000	.000	.306	-1.266	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.818	.198	.000	.000	.243	1.117	1.098	.895	.355	.000
ELEVATION	1147.818	1148.198	1151.000	1157.000	1141.243	1141.117	1141.098	1140.895	1140.355	1144.000
VEL-N	-2.543	.000	.000	.000	.000	-3.340	-3.321	-3.074	.000	.000
VEL-E	.000	.000	.000	.000	.165	.216	.599	.720	.000	.000
VEL-S	3.074	.000	.000	.000	.980	3.191	3.047	3.429	1.766	.000
VEL-W	-.406	.000	.000	.000	.000	-.165	-.216	-.599	-.720	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.320	1.171	.938	1.250	.384	.000	.000	.810	.952
ELEVATION	1147.000	1135.320	1135.171	1134.938	1133.250	1133.384	1135.000	1137.000	1125.810	1126.952
VEL-N	.000	-.980	-3.191	-3.047	-3.429	-1.766	.000	.000	-1.380	-3.318
VEL-E	.000	.184	.557	1.511	-.254	.000	.000	.000	-1.008	.280
VEL-S	.000	1.380	3.318	2.964	4.064	1.935	.000	.000	2.077	3.012
VEL-W	.000	.000	-.184	-.557	-1.511	.254	.000	.000	.000	1.008

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.881	1.363	.860	.000	.000	1.524	.847	.924	1.247	1.171
ELEVATION	1126.881	1126.363	1125.860	1128.000	1130.000	1119.524	1119.847	1119.924	1120.247	1120.171
VEL-N	-2.964	-4.064	-1.935	.000	.000	-2.077	-3.012	-2.940	-3.940	-2.616
VEL-E	.800	1.018	.000	.000	.000	-.564	-.341	-.802	.378	.000
VEL-S	2.940	3.940	2.616	.000	.000	2.202	3.334	3.761	3.592	2.897
VEL-W	-.280	-.800	-1.018	.000	.000	.000	.564	.341	.802	-.378

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.842	1.047	2.082	1.083	.971	.227	.049	.388
ELEVATION	1120.198	1122.000	1115.842	1112.047	1111.082	1113.083	1113.971	1114.227	1114.049	1110.388
VEL-N	.000	.000	-2.202	-3.334	-3.761	-3.592	-2.897	.000	.000	-1.732
VEL-E	.000	.000	2.105	1.348	-1.806	-1.027	-.212	.118	.000	1.282
VEL-S	.000	.000	1.732	3.352	4.189	3.264	2.775	1.092	.000	1.718
VEL-W	.000	.000	.000	-2.105	-1.348	1.806	1.027	.212	-.118	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	1.856	1.439	1.559	.798	.404	.189	.468	2.280	1.722	1.053
ELEVATION	1104.856	1106.439	1106.559	1107.798	1107.404	1106.189	1100.468	1100.280	1100.722	1102.053
VEL-N	-3.352	-4.189	-3.264	-2.775	-1.092	.000	-1.718	-3.914	-4.062	-3.072
VEL-E	-1.942	-.603	-1.275	.542	.502	.000	.313	-1.272	-1.444	-.436
VEL-S	3.914	4.062	3.072	2.066	1.460	.000	1.432	4.595	3.690	2.788
VEL-W	-1.282	1.942	.603	1.275	-.542	-.502	.000	-.313	1.272	1.444

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.473	.628	.204	.895	2.114	1.300	1.165	.780	.692	.001
ELEVATION	1102.473	1100.628	1099.204	1095.895	1096.114	1096.300	1096.165	1095.780	1095.692	1096.001
VEL-N	-2.066	-1.460	.000	-1.432	-4.595	-3.690	-2.788	-1.743	-1.554	-.366
VEL-E	.844	.633	.000	-.747	-.683	.513	.677	.253	.000	.000
VEL-S	1.743	1.554	.366	2.275	4.892	3.489	2.704	1.849	1.678	.000
VEL-W	.436	-.844	-.633	.000	.747	.683	-.513	-.677	-.253	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	1.031	2.071	1.198	1.323	1.238	.520	.000	.000	.000	1.329
ELEVATION	1091.031	1091.071	1091.198	1091.323	1091.238	1089.520	1090.000	1091.000	1093.000	1089.329
VEL-N	-2.275	-4.892	-3.489	-2.704	-1.849	.000	.000	.000	.000	-1.743
VEL-E	-.326	-.533	-.500	.349	1.144	.000	.000	.000	.000	.824
VEL-S	2.696	5.136	3.819	1.743	1.422	.600	.000	.000	.000	2.875
VEL-W	.000	.326	.533	.500	-.349	-1.144	.000	.000	.000	-1.711

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.465	.016	.000	.000	1.367	2.434	2.735	2.104	.274	.000
ELEVATION	1088.465	1088.016	1088.000	1089.000	1085.367	1085.434	1084.735	1084.104	1083.274	1084.000
VEL-N	-.600	.000	.000	.000	-2.696	-5.136	-2.875	-1.180	.000	.000
VEL-E	.242	.000	.000	.000	-.476	2.016	1.601	.964	.000	.000
VEL-S	1.180	.000	.000	.000	2.870	2.978	2.669	1.585	.358	.000
VEL-W	-.824	-.242	.000	.000	.000	.476	-2.016	-1.601	-.964	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	1.949	.956	.905	.070	.000
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1080.948	1082.956	1082.905	1082.070	1081.000
VEL-N	.000	.000	.000	.000	.000	-2.870	-2.978	-1.585	-.358	.000
VEL-E	.000	.000	.000	.000	.000	-1.654	.331	.733	.000	.000
VEL-S	.000	.000	.000	.000	.000	3.447	3.274	1.911	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.654	-.331	-.733	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	1.819	1.517	.212	.000
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1076.819	1076.517	1078.213	1081.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.447	-3.274	-1.911	.000
VEL-E	.000	.000	.000	.000	.000	.000	.930	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.214	3.216	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.930	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.822	.922	.000
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1070.822	1071.922	1075.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.214	-3.216	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.125	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.428	.990	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.125	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.046	.067	.000	.000
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1065.046	1070.067	1069.000	1065.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.428	-.990	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 10.00 (SECONDS) = .360E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.247	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.246	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	1.491	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.339	.199	.000	.000	.195	.198	.509
ELEVATION	1195.000	1184.199	1181.197	1180.339	1180.199	1185.000	1190.000	1175.195	1172.198	1170.509
VEL-N	.000	.000	.000	-1.491	.000	.000	.000	.000	.000	-2.047
VEL-E	.000	.000	.000	.213	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	2.047	.000	.000	.000	.000	.000	2.406
VEL-W	.000	.000	.000	.000	-.213	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.198	.000	.000	.199	.342	.604	.198	.000	.000	.000
ELEVATION	1173.198	1175.000	1182.000	1165.199	1162.342	1162.604	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	-2.406	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.417	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.845	2.635	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.417	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.494	.552	.407	.000	.000	.000	.198	.577	.594
ELEVATION	1155.200	1154.494	1154.552	1153.407	1158.000	1161.000	1165.000	1149.198	1147.577	1147.594
VEL-N	.000	-1.845	-2.635	.000	.000	.000	.000	.000	-2.198	-2.373
VEL-E	.000	-.210	.877	.000	.000	.000	.000	.000	.000	.253
VEL-S	.000	2.198	2.373	1.785	.000	.000	.000	.000	2.423	2.473
VEL-W	.000	.000	.210	-.877	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.515	.198	.000	.000	.200	.730	.726	.585	.224	.000
ELEVATION	1147.515	1148.198	1151.000	1157.000	1141.200	1140.730	1140.726	1140.585	1140.224	1144.000
VEL-N	-1.785	.000	.000	.000	.000	-2.423	-2.473	-2.260	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.379	.441	.000	.000
VEL-S	2.260	.000	.000	.000	.000	2.401	2.294	2.598	1.303	.000
VEL-W	-.253	.000	.000	.000	.000	.000	.000	-.379	-.441	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.779	.610	.851	.238	.000	.000	.484	.678
ELEVATION	1147.000	1135.198	1134.779	1134.610	1132.851	1133.238	1135.000	1137.000	1125.484	1126.678
VEL-N	.000	.000	-2.401	-2.294	-2.598	-1.303	.000	.000	.000	-2.562
VEL-E	.000	.000	.359	1.158	-.317	.000	.000	.000	-.781	.232
VEL-S	.000	.000	2.562	2.251	3.147	1.419	.000	.000	1.486	2.390
VEL-W	.000	.000	.000	-.359	-1.158	.317	.000	.000	.000	.781

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.599	.957	.569	.000	.000	1.103	.596	.649	.922	.833
ELEVATION	1126.599	1125.957	1125.569	1128.000	1130.000	1119.103	1119.596	1119.649	1119.922	1119.833
VEL-N	-2.251	-3.147	-1.419	.000	.000	-1.486	-2.390	-2.272	-3.145	-1.995
VEL-E	.689	.696	.000	.000	.000	-.551	-.225	-.595	.332	.000
VEL-S	2.272	3.145	1.995	.000	.000	1.738	2.647	3.012	2.929	2.303
VEL-W	-.232	-.689	-.696	.000	.000	.000	.551	.225	.595	-.332

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.626	.757	1.590	.800	.695	.198	.051	.297
ELEVATION	1120.198	1122.000	1115.626	1111.757	1110.590	1112.800	1113.695	1114.198	1114.051	1110.297
VEL-N	.000	.000	-1.738	-2.647	-3.012	-2.929	-2.303	.000	.000	-1.414
VEL-E	.000	.000	1.745	1.196	-1.551	-.826	.000	.000	.000	1.105
VEL-S	.000	.000	1.414	2.729	3.443	2.681	2.242	.000	.000	1.439
VEL-W	.000	.000	.000	-1.745	-1.196	1.551	.826	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	1.424	1.098	1.212	.601	.220	.201	.343	1.802	1.340	.824
ELEVATION	1104.424	1106.098	1106.212	1107.601	1107.220	1106.201	1100.343	1099.802	1100.340	1101.824
VEL-N	-2.729	-3.443	-2.681	-2.242	.000	.000	-1.439	-3.299	-3.405	-2.570
VEL-E	-1.668	-.497	-1.117	.414	.366	.000	.434	-1.187	-1.296	-.413
VEL-S	3.299	3.405	2.570	1.703	.976	.000	1.178	3.937	3.093	2.370
VEL-W	-1.105	1.668	.497	1.117	-.414	-.366	.000	-.434	1.187	1.296

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.361	.405	.416	.651	1.753	1.014	.927	.620	.532	.092
ELEVATION	1102.361	1100.405	1099.416	1095.651	1095.753	1096.014	1095.927	1095.620	1095.531	1096.092
VEL-N	-1.703	-.976	.000	-1.178	-3.937	-3.093	-2.370	-1.463	-1.153	-.691
VEL-E	.728	.521	.000	-.441	-.686	.351	.520	.211	.000	.000
VEL-S	1.463	1.153	.691	1.847	4.320	2.967	2.328	1.618	1.486	.000
VEL-W	.413	-.728	-.521	.000	.441	.686	-.351	-.520	-.211	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.762	1.784	.954	1.071	.908	.886	.000	.000	.000	1.099
ELEVATION	1090.762	1090.784	1090.953	1091.071	1090.908	1089.886	1090.000	1091.000	1093.000	1089.099
VEL-N	-1.847	-4.320	-2.967	-2.328	-1.618	.000	.000	.000	.000	-1.507
VEL-E	.000	-.535	-.419	.410	.897	.000	.000	.000	.000	.580
VEL-S	2.213	4.639	3.271	1.507	1.216	.884	.000	.000	.000	2.525
VEL-W	.000	.000	.535	.419	-.410	-.897	.000	.000	.000	-1.466

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.664	.113	.000	.000	1.096	2.163	2.539	2.223	.973	.000
ELEVATION	1088.664	1088.113	1088.000	1089.000	1085.096	1085.163	1084.539	1084.223	1083.973	1084.000
VEL-N	-.884	.000	.000	.000	-2.213	-4.639	-2.525	-1.521	.000	.000
VEL-E	.375	.000	.000	.000	-.436	1.762	1.116	.655	.000	.000
VEL-S	1.521	.000	.000	.000	2.496	2.663	2.443	1.701	1.096	.000
VEL-W	-.580	-.375	.000	.000	.000	.436	-1.762	-1.116	-.655	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	1.627	.913	.949	.530	.071
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1080.627	1082.913	1082.949	1082.530	1081.071
VEL-N	.000	.000	.000	.000	.000	-2.496	-2.663	-1.701	-1.096	.000
VEL-E	.000	.000	.000	.000	.000	-1.721	-.239	.708	.649	.000
VEL-S	.000	.000	.000	.000	.000	3.032	3.187	2.449	1.681	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.721	.239	-.708	-.649

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	1.478	1.447	.755	.000
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1076.478	1076.447	1078.755	1081.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.032	-3.187	-2.449	.000
VEL-E	.000	.000	.000	.000	.000	.000	.277	-1.673	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.053	3.276	1.603	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.277	1.673	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	1.979	1.747	.292
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1071.979	1072.747	1075.292
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.053	-3.276	-1.603
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.535	-.924	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.779	1.981	1.125
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.535	.924

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	2.299	.733	.139	.000
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1067.299	1070.733	1069.139	1065.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.779	-1.981	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.665	.802	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	4.206	1.785	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.665	-.802	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	2.853	.285	.012	.000	.000	.737	.014
ELEVATION	1069.000	1070.000	1070.000	1061.853	1064.285	1060.012	1062.000	1065.000	1057.737	1058.014
VEL-N	.000	.000	.000	-4.206	-1.785	.000	.000	.000	-3.236	-.834
VEL-E	.000	.000	.000	-.686	.685	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	3.236	.834	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.686	-.685	.000	.000	1.047	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.022	.027	.000	.000	.000	.000	.000	.000
ELEVATION	1057.000	1059.000	1055.022	1054.027	1058.000	1051.000	1051.000	1050.000	1048.000	1045.000
VEL-N	.000	.000	-1.047	-1.233	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 10.50 (SECONDS) = .378E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.230	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.230	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.092	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.426	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.092	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.217	.285	.231	.000	.000	.000	.198	.328	.348
ELEVATION	1155.200	1154.217	1154.285	1153.231	1158.000	1161.000	1165.000	1149.198	1147.328	1147.348
VEL-N	.000	.000	-1.426	.000	.000	.000	.000	.000	-1.274	-1.531
VEL-E	.000	-.140	.558	.000	.000	.000	.000	.000	-.093	.128
VEL-S	.000	1.274	1.531	1.224	.000	.000	.000	.000	1.668	1.736
VEL-W	.000	.000	.140	-.558	.000	.000	.000	.000	.000	.093

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.309	.198	.000	.000	.200	.458	.475	.372	.200	.000
ELEVATION	1147.309	1148.198	1151.000	1157.000	1141.200	1140.458	1140.474	1140.372	1140.200	1144.000
VEL-N	-1.224	.000	.000	.000	.000	-1.668	-1.736	-1.608	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.242	.242	.000	.000
VEL-S	1.608	.000	.000	.000	.000	1.760	1.725	1.930	.000	.000
VEL-W	-.128	.000	.000	.000	.000	.000	.000	-.242	-.242	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.505	.401	.564	.197	.000	.000	.322	.479
ELEVATION	1147.000	1135.198	1134.505	1134.401	1132.564	1133.197	1135.000	1137.000	1125.322	1126.479
VEL-N	.000	.000	-1.760	-1.725	-1.930	.000	.000	.000	.000	-1.964
VEL-E	.000	.000	.213	.894	.000	.000	.000	.000	-.600	.176
VEL-S	.000	.000	1.964	1.710	2.395	.000	.000	.000	1.143	1.883
VEL-W	.000	.000	.000	-.213	-.894	.000	.000	.000	.000	.600

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.405	.655	.337	.000	.000	.788	.415	.448	.665	.555
ELEVATION	1126.405	1125.655	1125.337	1128.000	1130.000	1118.788	1119.415	1119.448	1119.665	1119.555
VEL-N	-1.710	-2.395	.000	.000	.000	-1.143	-1.883	-1.751	-2.463	-1.416
VEL-E	.574	.472	.000	.000	.000	-.489	-.141	-.421	.289	.000
VEL-S	1.751	2.463	1.416	.000	.000	1.359	2.083	2.380	2.347	1.770
VEL-W	-.176	-.574	-.472	.000	.000	.000	.489	.141	.421	-.289

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.446	.530	1.177	.575	.483	.198	.051	.215
ELEVATION	1120.198	1122.000	1115.446	1111.530	1110.177	1112.574	1113.483	1114.198	1114.051	1110.215
VEL-N	.000	.000	-1.359	-2.083	-2.380	-2.347	-1.770	.000	.000	-1.121
VEL-E	.000	.000	1.399	1.015	-1.297	-.653	.000	.000	.000	.913
VEL-S	.000	.000	1.121	2.172	2.772	2.163	1.776	.000	.000	1.161
VEL-W	.000	.000	.000	-1.399	-1.015	1.297	.653	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	1.045	.806	.913	.435	.198	.199	.244	1.357	.996	.618
ELEVATION	1104.045	1105.806	1105.913	1107.436	1107.198	1106.199	1100.244	1099.357	1099.996	1101.618
VEL-N	-2.172	-2.772	-2.163	-1.776	.000	.000	-1.161	-2.704	-2.783	-2.102
VEL-E	-1.392	-.395	-.945	.275	.349	.000	.444	-1.062	-1.120	-.368
VEL-S	2.704	2.783	2.102	1.370	.922	.000	.954	3.248	2.515	1.961
VEL-W	-.913	1.392	.395	.945	-.275	-.349	.000	-.444	1.062	1.120

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.265	.265	.377	.395	1.410	.757	.705	.463	.396	.268
ELEVATION	1102.265	1100.265	1099.377	1095.395	1095.410	1095.757	1095.705	1095.463	1095.396	1096.268
VEL-N	-1.370	-.922	.000	-.954	-3.248	-2.515	-1.961	-1.195	-.862	-.788
VEL-E	.597	.368	.000	.000	-.650	.224	.383	.152	-.366	.000
VEL-S	1.195	.862	.788	1.330	3.726	2.439	1.942	1.344	1.204	.000
VEL-W	.368	-.597	-.368	.000	.000	.650	-.224	-.383	-.152	.366

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.484	1.465	.714	.836	.672	.892	.000	.000	.000	.866
ELEVATION	1090.484	1090.465	1090.714	1090.836	1090.672	1089.892	1090.000	1091.000	1093.000	1088.866
VEL-N	-1.330	-3.726	-2.439	-1.942	-1.344	-.990	.000	.000	.000	-1.276
VEL-E	.000	-.529	-.357	.344	.647	.000	.000	.000	.000	.392
VEL-S	1.639	4.074	2.704	1.276	1.018	.888	.000	.000	.000	2.165
VEL-W	.000	.000	.529	.357	-.344	-.647	.000	.000	.000	-1.206

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.616	.201	.003	.000	.788	1.848	2.262	2.067	.970	.000
ELEVATION	1088.616	1088.201	1088.003	1089.000	1084.788	1084.848	1084.262	1084.067	1083.970	1084.000
VEL-N	-.888	.000	.000	.000	-1.639	-4.074	-2.165	-1.467	-.671	.000
VEL-E	.337	.092	.000	.000	-.358	1.536	.822	.395	.000	.000
VEL-S	1.467	.671	.000	.000	2.019	2.299	2.148	1.573	1.101	.000
VEL-W	-.392	-.337	-.092	.000	.000	.358	-1.536	-.822	-.395	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	1.255	.770	.855	.559	.316
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1080.255	1082.770	1082.855	1082.559	1081.316
VEL-N	.000	.000	.000	.000	.000	-2.019	-2.299	-1.573	-1.101	.000
VEL-E	.000	.000	.000	.000	.000	-1.611	-.337	.575	.776	.000
VEL-S	.000	.000	.000	.000	.000	2.583	2.860	2.270	1.782	.179
VEL-W	.000	.000	.000	.000	.000	.000	1.611	.337	-.575	-.776

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	1.249	1.231	.666	.007
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1076.249	1076.231	1078.666	1081.007
VEL-N	.000	.000	.000	.000	.000	.000	-2.583	-2.860	-2.270	-.179
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.583	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.734	2.935	1.538	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.583	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	1.732	1.559	.343
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1071.732	1072.559	1075.343
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.734	-2.935	-1.538
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.480	-1.086	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.488	1.786	1.286
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.480	1.086

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	1.981	.620	.241	.059
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1066.980	1070.620	1069.241	1065.059
VEL-N	.000	.000	.000	.000	.000	.000	-3.488	-1.786	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.538	.743	.695	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.699	1.676	.952	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.538	-.743	-.695

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	2.737	.312	.189	.000	.000	2.173	.532
ELEVATION	1069.000	1070.000	1070.000	1061.737	1064.312	1060.189	1062.000	1065.000	1059.173	1058.532
VEL-N	.000	.000	.000	-3.699	-1.676	.000	.000	.000	-3.233	-1.340
VEL-E	.000	.000	.000	-.756	.973	.000	.000	.000	1.305	.618
VEL-S	.000	.000	.000	3.233	1.340	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.756	-.973	.000	.000	3.235	-1.305

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.104	.000	1.828	2.702	.000	2.225	2.345	.000	.418	1.054
ELEVATION	1057.104	1059.000	1056.828	1056.702	1058.000	1053.225	1053.345	1050.000	1048.418	1046.054
VEL-N	.000	.000	-3.235	-3.499	.000	-3.493	-4.133	.000	-2.833	-4.174
VEL-E	.000	.000	.696	.000	.000	-.757	.000	.000	.890	.000
VEL-S	.000	.000	3.493	4.133	.000	2.833	4.174	.000	.920	1.378
VEL-W	-.618	.000	.000	-.696	.000	.000	.757	.000	.000	-.890

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.009	.052	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1050.000	1042.009	1042.052	1042.000	1039.000	1040.000	1039.000	1035.000	1033.000	1038.000
VEL-N	.000	-.920	-1.378	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	4406.10

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 11.00 (SECONDS) = .396E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.203	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.203	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.006	1.029	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.284	.232	.311	.199	.000	.000	.228	.311
ELEVATION	1147.000	1135.198	1134.284	1134.233	1132.311	1133.199	1135.000	1137.000	1125.228	1126.311
VEL-N	.000	.000	-1.006	-1.029	.000	.000	.000	.000	.000	-1.362
VEL-E	.000	.000	.104	.638	.000	.000	.000	.000	-.446	.108
VEL-S	.000	.000	1.362	1.191	1.618	.000	.000	.000	.916	1.439
VEL-W	.000	.000	.000	-.104	-.638	.000	.000	.000	.000	.446

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.262	.436	.208	.000	.000	.591	.287	.307	.474	.370
ELEVATION	1126.262	1125.436	1125.208	1128.000	1130.000	1118.591	1119.287	1119.307	1119.474	1119.370
VEL-N	-1.191	-1.618	.000	.000	.000	-.916	-1.439	-1.312	-1.878	-1.030
VEL-E	.452	.301	.000	.000	.000	-.403	-.085	-.292	.221	.000
VEL-S	1.312	1.878	1.030	.000	.000	1.101	1.632	1.866	1.870	1.354
VEL-W	-.108	-.452	-.301	.000	.000	.000	.403	.085	.292	-.221

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.325	.378	.868	.410	.328	.198	.051	.199
ELEVATION	1120.198	1122.000	1115.325	1111.378	1109.868	1112.410	1113.328	1114.198	1114.051	1110.199
VEL-N	.000	.000	-1.101	-1.632	-1.866	-1.870	-1.354	.000	.000	-.953
VEL-E	.000	.000	1.139	.856	-1.066	-.506	.000	.000	.000	.890
VEL-S	.000	.000	.953	1.747	2.235	1.734	1.387	.000	.000	1.109
VEL-W	.000	.000	.000	-1.139	-.856	1.066	.506	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.770	.591	.681	.309	.200	.198	.200	1.025	.741	.462
ELEVATION	1103.770	1105.591	1105.681	1107.309	1107.200	1106.198	1100.200	1099.025	1099.741	1101.462
VEL-N	-1.747	-2.235	-1.734	-1.387	.000	.000	-1.109	-2.216	-2.270	-1.715
VEL-E	-1.151	-.298	-.778	.162	.000	.000	.448	-.923	-.951	.000
VEL-S	2.216	2.270	1.715	1.098	.000	.000	.847	2.684	2.050	1.617
VEL-W	-.890	1.151	.298	.778	-.162	.000	.000	-.448	.923	.951

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.203	.200	.254	.214	1.096	.565	.535	.348	.329	.346
ELEVATION	1102.203	1100.200	1099.254	1095.214	1095.096	1095.565	1095.535	1095.348	1095.329	1096.346
VEL-N	-1.098	.000	.000	-.847	-2.684	-2.050	-1.617	.000	.000	-.653
VEL-E	.000	.000	.000	.146	-.622	.141	.278	.072	-.465	.000
VEL-S	.000	.000	.653	.883	3.147	1.999	1.618	1.122	1.059	.000
VEL-W	.000	.000	.000	.000	-.146	.622	-.141	-.278	-.072	.465

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.275	1.167	.527	.653	.515	.912	.000	.000	.000	.678
ELEVATION	1090.275	1090.167	1090.527	1090.653	1090.515	1089.912	1090.000	1091.000	1093.000	1088.678
VEL-N	-.883	-3.147	-1.999	-1.618	-1.122	-1.187	.000	.000	.000	-1.084
VEL-E	.167	-.520	-.302	.266	.476	.000	.000	.000	.000	.247
VEL-S	1.131	3.503	2.225	1.084	.858	.899	.000	.000	.000	1.855
VEL-W	.000	-.167	.520	.302	-.266	-.476	.000	.000	.000	-.986

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.551	.201	.010	.000	.519	1.548	1.989	1.865	.820	.000
ELEVATION	1088.551	1088.201	1088.010	1089.000	1084.519	1084.548	1083.989	1083.865	1083.820	1084.000
VEL-N	-.899	.000	.000	.000	-1.131	-3.503	-1.855	-1.383	.000	.000
VEL-E	.294	.000	.000	.000	-.213	1.332	.609	.242	.000	.000
VEL-S	1.383	.000	.000	.000	1.537	1.954	1.859	1.400	.963	.000
VEL-W	-.247	-.294	.000	.000	.000	.213	-1.332	-.609	-.242	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.948	.633	.753	.457	.570
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.948	1082.633	1082.753	1082.457	1081.570
VEL-N	.000	.000	.000	.000	.000	-1.537	-1.954	-1.400	-.963	.000
VEL-E	.000	.000	.000	.000	.000	-1.462	-.360	.518	.678	.000
VEL-S	.000	.000	.000	.000	.000	2.133	2.525	2.074	1.556	.364
VEL-W	.000	.000	.000	.000	.000	.000	1.462	.360	-.518	-.678

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.994	1.013	.580	.069
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.995	1076.013	1078.580	1081.069
VEL-N	.000	.000	.000	.000	.000	.000	-2.133	-2.525	-2.074	-.364
VEL-E	.000	.000	.000	.000	.000	.000	-.179	-1.481	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.358	2.588	1.394	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.179	1.481	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	1.438	1.314	.299
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1071.438	1072.314	1075.299
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.358	-2.588	-1.394
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.359	-1.028	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.090	1.532	1.183
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.359	1.028

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	1.665	.522	.200	.169
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1066.665	1070.522	1069.200	1065.169
VEL-N	.000	.000	.000	.000	.000	.000	-3.090	-1.532	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.412	.647	.785	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.321	1.448	.848	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.412	-.647	-.785

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	2.343	.228	.262	.000	.000	1.949	.399
ELEVATION	1069.000	1070.000	1070.000	1061.343	1064.228	1060.262	1062.000	1065.000	1058.949	1058.399
VEL-N	.000	.000	.000	-3.321	-1.448	.000	.000	.000	-2.859	-1.091
VEL-E	.000	.000	.000	-.649	.900	.000	.000	.000	1.102	.591
VEL-S	.000	.000	.000	2.859	1.091	.763	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.649	-.900	.000	.000	2.998	-1.102

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.442	.000	1.477	2.306	.000	1.998	2.006	.000	1.189	2.774
ELEVATION	1057.442	1059.000	1056.477	1056.306	1058.000	1052.998	1053.006	1050.000	1049.189	1047.774
VEL-N	-.763	.000	-2.998	-3.377	.000	-2.931	-3.669	.000	-2.948	-4.048
VEL-E	.000	.000	.713	.000	.000	-.261	.000	.000	1.481	.000
VEL-S	.000	.000	2.931	3.669	.000	2.948	4.048	.000	2.715	3.765
VEL-W	-.591	.000	.000	-.713	.000	.000	.261	.000	.000	-1.481

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	2.428	2.819	.000	2.236	1.777	.000	.388	.890	.000
ELEVATION	1050.000	1044.428	1044.819	1042.000	1041.236	1041.777	1039.000	1035.388	1033.890	1038.000
VEL-N	.000	-2.715	-3.765	.000	-3.505	-3.377	.000	-3.076	-3.707	.000
VEL-E	.000	-1.308	.000	.000	-1.283	.000	.000	.659	.000	.000
VEL-S	.000	3.505	3.377	.000	3.076	3.707	.000	.706	1.048	.000
VEL-W	.000	.000	1.308	.000	.000	1.283	.000	.000	-.659	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.005	.038	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1031.005	1031.038	1031.000	1029.000	1023.000	1027.000	1020.000	1020.000	1021.000	1019.000
VEL-N	-.706	-1.048	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	2853.19

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 11.50 (SECONDS) = .414E+05 (TOTAL TIMESTEP NUMBER) = 1.4E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.200	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.200	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.198	.200	.197	.199	.000	.000	.200	.197
ELEVATION	1147.000	1135.198	1134.198	1134.200	1132.197	1133.199	1135.000	1137.000	1125.200	1126.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.199	.197	.197	.000	.000	.369	.197	.199	.220	.198
ELEVATION	1126.199	1125.197	1125.197	1128.000	1130.000	1118.369	1119.197	1119.199	1119.220	1119.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.075	.067	.000
VEL-S	.000	.000	.000	.000	.000	.810	.000	.000	1.176	.926
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.075	-.067

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.222	.201	.519	.257	.202	.198	.051	.202
ELEVATION	1120.198	1122.000	1115.222	1111.201	1109.519	1112.257	1113.202	1114.198	1114.051	1110.202
VEL-N	.000	.000	-.810	.000	.000	-1.176	-.926	.000	.000	-.813
VEL-E	.000	.000	.866	.596	-.817	.000	.000	.000	.000	.000
VEL-S	.000	.000	.813	1.158	1.622	1.285	.000	.000	.000	.000
VEL-W	.000	.000	.000	-.866	-.596	.817	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.541	.405	.492	.203	.198	.199	.199	.768	.540	.344
ELEVATION	1103.541	1105.405	1105.492	1107.203	1107.198	1106.199	1100.199	1098.768	1099.540	1101.344
VEL-N	-1.158	-1.622	-1.285	.000	.000	.000	.000	-1.763	-1.770	-1.382
VEL-E	-.907	-.231	-.609	.000	.000	.000	.000	-.777	-.800	.000
VEL-S	1.763	1.770	1.382	.935	.000	.000	.000	2.219	1.666	1.331
VEL-W	.000	.907	.231	.609	.000	.000	.000	.000	.777	.800

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.202	.198	.201	.198	.843	.425	.405	.265	.255	.302
ELEVATION	1102.202	1100.198	1099.201	1095.198	1094.843	1095.425	1095.406	1095.265	1095.255	1096.302
VEL-N	-.935	.000	.000	.000	-2.219	-1.666	-1.331	.000	-.724	.000
VEL-E	.000	.325	.000	.248	-.575	.096	.201	.000	-.415	.000
VEL-S	.000	.724	.000	.846	2.642	1.646	1.345	.935	.885	.000
VEL-W	.000	.000	-.325	.000	-.248	.575	-.096	-.201	.000	.415

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.200	.907	.391	.514	.406	.871	.000	.000	.000	.537
ELEVATION	1090.200	1089.907	1090.391	1090.514	1090.406	1089.871	1090.000	1091.000	1093.000	1088.537
VEL-N	-.846	-2.642	-1.646	-1.345	-.935	-1.087	.000	.000	.000	-.925
VEL-E	.000	-.495	-.251	.202	.381	.000	.000	.000	.000	.130
VEL-S	.000	2.962	1.837	.925	.721	.864	.000	.000	.000	1.604
VEL-W	.000	.000	.495	.251	-.202	-.381	.000	.000	.000	-.809

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.492	.199	.016	.000	.266	1.283	1.751	1.674	.654	.000
ELEVATION	1088.492	1088.199	1088.016	1089.000	1084.266	1084.283	1083.751	1083.674	1083.654	1084.000
VEL-N	-.864	.000	.000	.000	.000	-2.962	-1.604	-1.300	-.692	.000
VEL-E	.254	.092	.000	.000	.000	1.149	.439	.157	.000	.000
VEL-S	1.300	.692	.000	.000	.988	1.651	1.609	1.240	.807	.000
VEL-W	-.130	-.254	-.092	.000	.000	.000	-1.149	-.439	-.157	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.693	.514	.658	.382	.658
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.693	1082.514	1082.658	1082.382	1081.658
VEL-N	.000	.000	.000	.000	.000	-.988	-1.651	-1.240	-.807	.000
VEL-E	.000	.000	.000	.000	.000	-1.305	-.354	.453	.543	.000
VEL-S	.000	.000	.000	.000	.000	1.721	2.211	1.891	1.380	.426
VEL-W	.000	.000	.000	.000	.000	.000	1.305	.354	-.453	-.543

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.783	.822	.508	.198
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.783	1075.822	1078.508	1081.198
VEL-N	.000	.000	.000	.000	.000	.000	-1.721	-2.211	-1.891	-.426
VEL-E	.000	.000	.000	.000	.000	.000	-.203	-1.384	-.679	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.025	2.256	1.262	1.009
VEL-W	.000	.000	.000	.000	.000	.000	.000	.203	1.384	.679

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	1.178	1.091	.257
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1071.178	1072.091	1075.257
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.025	-2.256	-1.262
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.226	-.957	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.715	1.299	1.076
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.226	.957

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	1.371	.420	.199	.200
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1066.371	1070.420	1069.199	1065.200
VEL-N	.000	.000	.000	.000	.000	.000	-2.715	-1.299	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.252	.562	.825	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.943	1.269	.849	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.252	-.562	-.825

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	1.955	.200	.285	.000	.000	1.696	.308
ELEVATION	1069.000	1070.000	1070.000	1060.955	1064.200	1060.285	1062.000	1065.000	1058.696	1058.308
VEL-N	.000	.000	.000	-2.943	-1.269	.000	.000	.000	-2.492	-1.008
VEL-E	.000	.000	.000	-.633	.822	.000	.000	.000	.833	.370
VEL-S	.000	.000	.000	2.492	1.008	.761	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.633	-.822	.000	.000	2.697	-.833

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.779	.000	1.256	2.044	.000	1.748	1.768	.000	.989	2.413
ELEVATION	1057.779	1059.000	1056.256	1056.043	1058.000	1052.748	1052.768	1050.000	1048.989	1047.413
VEL-N	-.761	.000	-2.697	-3.084	.000	-2.640	-3.367	.000	-2.653	-3.752
VEL-E	.000	.000	.714	.000	.000	.000	.000	.000	1.382	.000
VEL-S	.000	.000	2.640	3.367	.000	2.653	3.752	.000	2.475	3.449
VEL-W	-.370	.000	.000	-.714	.000	.000	.000	.000	.000	-1.382

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	1.942	2.427	.000	2.159	1.454	.000	1.685	2.804	.000
ELEVATION	1050.000	1043.942	1044.427	1042.000	1041.159	1041.454	1039.000	1036.685	1035.804	1038.000
VEL-N	.000	-2.475	-3.449	.000	-2.881	-2.977	.000	-3.628	-3.384	.000
VEL-E	.000	-1.301	.000	.000	-.774	.000	.000	1.473	.000	.000
VEL-S	.000	2.881	2.977	.000	3.628	3.384	.000	2.929	3.327	.000
VEL-W	.000	.000	1.301	.000	.000	.774	.000	.000	-1.473	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	2.215	2.076	.000	.854	2.914	.000	.151	.812	.000	.000
ELEVATION	1033.215	1033.076	1031.000	1029.854	1025.914	1027.000	1020.151	1020.812	1021.000	1019.000
VEL-N	-2.929	-3.327	.000	-2.708	-4.866	.000	-2.120	-3.677	.000	.000
VEL-E	.695	.000	.000	1.958	.000	.000	-.479	.000	.000	.000
VEL-S	2.708	4.866	.000	2.120	3.677	.000	.000	.129	.000	.000
VEL-W	.000	-.695	.000	.000	-1.958	.000	.000	.479	.000	.000

NODE	211	212	213	214	215	216	217	218
DEPTH	.003	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1018.003	1018.000	1015.000	1005.000	1015.000	1010.000	1005.000	1005.000
VEL-N	-.129	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	1942.23

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 12.00 (SECONDS) = .432E+05 (TOTAL TIMESTEP NUMBER) = 1.5E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.200	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.200	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.198	.200	.197	.199	.000	.000	.200	.197
ELEVATION	1147.000	1135.198	1134.198	1134.200	1132.197	1133.199	1135.000	1137.000	1125.200	1126.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.199	.197	.197	.000	.000	.214	.197	.199	.198	.198
ELEVATION	1126.199	1125.197	1125.197	1128.000	1130.000	1118.214	1119.197	1119.199	1119.198	1119.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.622	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.201	.196	.211	.198	.198	.198	.051	.197
ELEVATION	1120.198	1122.000	1115.201	1111.196	1109.211	1112.198	1113.198	1114.198	1114.051	1110.197
VEL-N	.000	.000	-.622	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.643	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	1.164	.937	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	-.643	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.305	.204	.208	.197	.198	.199	.200	.494	.320	.201
ELEVATION	1103.305	1105.204	1105.208	1107.197	1107.198	1106.199	1100.200	1098.494	1099.320	1101.201
VEL-N	-1.164	-.937	.000	.000	.000	.000	.000	-1.200	-1.124	-.846
VEL-E	-.581	.000	.000	.000	.000	.000	.000	-.569	-.572	.000
VEL-S	1.200	1.124	.846	.000	.000	.000	.000	1.650	1.222	.930
VEL-W	.000	.581	.000	.000	.000	.000	.000	.000	.569	.572

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.197	.197	.198	.199	.591	.295	.278	.199	.200	.224
ELEVATION	1102.197	1100.198	1099.198	1095.199	1094.591	1095.295	1095.278	1095.199	1095.200	1096.224
VEL-N	.000	.000	.000	.000	-1.650	-1.222	-.930	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.495	.000	.122	.000	-.342	.000
VEL-S	.000	.000	.000	.000	2.085	1.309	1.047	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.495	.000	-.122	.000	.342

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.198	.670	.285	.393	.275	.745	.000	.000	.000	.430
ELEVATION	1090.198	1089.670	1090.285	1090.393	1090.275	1089.745	1090.000	1091.000	1093.000	1088.430
VEL-N	.000	-2.085	-1.309	-1.047	.000	-.893	.000	.000	.000	-.771
VEL-E	.000	-.453	-.194	.169	.294	.000	.000	.000	.000	.000
VEL-S	.000	2.427	1.502	.771	.551	.763	.000	.000	.000	1.400
VEL-W	.000	.000	.453	.194	-.169	-.294	.000	.000	.000	-.656

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.411	.199	.021	.000	.199	1.021	1.537	1.497	.481	.000
ELEVATION	1088.411	1088.199	1088.021	1089.000	1084.199	1084.021	1083.537	1083.497	1083.481	1084.000
VEL-N	-.763	.000	.000	.000	.000	-2.427	-1.400	-1.167	-.706	.000
VEL-E	.199	.093	.000	.000	.000	.941	.295	.000	.000	.000
VEL-S	1.167	.706	.000	.000	.000	1.354	1.390	1.094	.647	.000
VEL-W	.000	-.199	-.093	.000	.000	.000	-.941	-.295	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.481	.409	.566	.309	.648
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.481	1082.409	1082.566	1082.309	1081.648
VEL-N	.000	.000	.000	.000	.000	.000	-1.354	-1.094	-.647	.000
VEL-E	.000	.000	.000	.000	.000	-1.141	-.327	.390	.450	.000
VEL-S	.000	.000	.000	.000	.000	1.345	1.903	1.733	1.193	.419
VEL-W	.000	.000	.000	.000	.000	.000	1.141	.327	-.390	-.450

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.594	.684	.466	.199
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.594	1075.684	1078.466	1081.199
VEL-N	.000	.000	.000	.000	.000	.000	-1.345	-1.903	-1.733	-.419
VEL-E	.000	.000	.000	.000	.000	.000	-.269	-1.331	-.687	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.690	2.005	1.183	1.014
VEL-W	.000	.000	.000	.000	.000	.000	.000	.269	1.331	.687

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.957	.925	.231
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1070.957	1071.925	1075.230
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.690	-2.005	-1.183
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.130	-.909	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.373	1.121	1.006
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.130	.909

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	1.116	.330	.198	.200
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1066.116	1070.330	1069.198	1065.200
VEL-N	.000	.000	.000	.000	.000	.000	-2.373	-1.121	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.089	.487	.824	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.588	1.137	.849	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.089	-.487	-.824

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	1.606	.200	.272	.000	.000	1.471	.236
ELEVATION	1069.000	1070.000	1070.000	1060.606	1064.200	1060.272	1062.000	1065.000	1058.471	1058.236
VEL-N	.000	.000	.000	-2.588	-1.137	.000	.000	.000	-2.162	-1.019
VEL-E	.000	.000	.000	-.669	.827	.000	.000	.000	.585	.192
VEL-S	.000	.000	.000	2.162	1.019	.696	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.669	-.827	.000	.000	2.419	-.585

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	1.031	.000	1.061	1.800	.000	1.522	1.543	.000	.840	2.126
ELEVATION	1058.031	1059.000	1056.061	1055.800	1058.000	1052.522	1052.543	1050.000	1048.840	1047.126
VEL-N	-.696	.000	-2.419	-2.813	.000	-2.368	-3.077	.000	-2.380	-3.446
VEL-E	.000	.000	.706	.000	.000	.000	.000	.000	1.292	.000
VEL-S	.000	.000	2.368	3.077	.000	2.380	3.446	.000	2.240	3.151
VEL-W	-.192	.000	.000	-.706	.000	.000	.000	.000	.000	-1.292

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	1.696	2.174	.000	1.937	1.259	.000	1.433	2.439	.000
ELEVATION	1050.000	1043.696	1044.174	1042.000	1040.937	1041.260	1039.000	1036.433	1035.439	1038.000
VEL-N	.000	-2.240	-3.151	.000	-2.621	-2.716	.000	-3.334	-3.121	.000
VEL-E	.000	-1.192	.000	.000	-.734	.000	.000	1.405	.000	.000
VEL-S	.000	2.621	2.716	.000	3.334	3.121	.000	2.663	2.977	.000
VEL-W	.000	.000	1.192	.000	.000	.734	.000	.000	-1.405	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	1.868	1.762	.000	.766	2.901	.000	3.403	3.989	.084	2.456
ELEVATION	1032.868	1032.762	1031.000	1029.766	1025.901	1027.000	1023.403	1023.989	1021.084	1021.456
VEL-N	-2.663	-2.977	.000	-2.348	-4.239	.000	-2.343	-3.120	.000	-3.177
VEL-E	.537	.000	.000	1.826	.000	.000	-2.028	.000	-.769	.345
VEL-S	2.348	4.239	.000	2.343	3.120	.000	3.177	.633	.000	3.629
VEL-W	.000	-.537	.000	.000	-1.826	.000	.000	2.028	.000	.769

NODE	211	212	213	214	215	216	217	218
DEPTH	.936	.000	.892	.121	.000	.057	.000	.000
ELEVATION	1018.936	1018.000	1015.892	1005.121	1015.000	1010.057	1005.000	1005.000
VEL-N	-.633	.000	-3.629	-.364	.000	-1.535	.000	.000
VEL-E	.000	.000	2.180	.000	.000	.000	.000	.000
VEL-S	.364	.000	1.535	.000	.000	.000	.000	.000
VEL-W	-.345	.000	.000	-2.180	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	1296.85

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 12.50 (SECONDS) = .450E+05 (TOTAL TIMESTEP NUMBER) = 1.5E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.200	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.200	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.198	.200	.197	.199	.000	.000	.200	.197
ELEVATION	1147.000	1135.198	1134.198	1134.200	1132.197	1133.199	1135.000	1137.000	1125.200	1126.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.199	.197	.197	.000	.000	.199	.197	.199	.198	.198
ELEVATION	1126.199	1125.197	1125.197	1128.000	1130.000	1118.199	1119.197	1119.199	1119.198	1119.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.197	.200	.199	.198	.198	.198	.051	.200
ELEVATION	1120.198	1122.000	1115.197	1111.200	1109.199	1112.198	1113.198	1114.198	1114.051	1110.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.198	.197	.198	.197	.198	.199	.199	.218	.198	.197
ELEVATION	1103.198	1105.197	1105.198	1107.197	1107.198	1106.199	1100.199	1098.218	1099.198	1101.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.959	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.197	.197	.198	.198	.330	.197	.199	.200	.199	.200
ELEVATION	1102.197	1100.198	1099.198	1095.198	1094.330	1095.197	1095.199	1095.200	1095.199	1096.200
VEL-N	.000	.000	.000	.000	-.959	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.416	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.197	.420	.196	.223	.199	.530	.000	.000	.000	.288
ELEVATION	1090.197	1089.420	1090.196	1090.223	1090.199	1089.530	1090.000	1091.000	1093.000	1088.288
VEL-N	.000	-1.416	.000	.000	.000	.000	.000	.000	.000	-.526
VEL-E	.000	.000	-.074	.059	.000	.000	.000	.000	.000	-.074
VEL-S	.000	1.788	.000	.526	.000	.593	.000	.000	.000	1.084
VEL-W	.000	.000	.000	.074	-.059	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.319	.199	.024	.000	.198	.743	1.308	1.287	.336	.000
ELEVATION	1088.319	1088.199	1088.024	1089.000	1084.198	1083.743	1083.308	1083.287	1083.336	1084.000
VEL-N	-.593	.000	.000	.000	.000	-1.788	-1.084	-.997	.000	.000
VEL-E	.135	.000	.000	.000	.000	.722	.201	-.102	.000	.000
VEL-S	.997	.000	.000	.000	.000	1.042	1.159	.919	.508	.000
VEL-W	.074	-.135	.000	.000	.000	.000	-.722	-.201	.102	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.361	.307	.477	.241	.600
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.361	1082.307	1082.477	1082.241	1081.600
VEL-N	.000	.000	.000	.000	.000	.000	-1.042	-.919	-.508	.000
VEL-E	.000	.000	.000	.000	.000	-.948	-.294	.327	.375	.000
VEL-S	.000	.000	.000	.000	.000	1.113	1.578	1.554	1.010	.381
VEL-W	.000	.000	.000	.000	.000	.000	.948	.294	-.327	-.375

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.458	.560	.404	.199
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.458	1075.560	1078.404	1081.199
VEL-N	.000	.000	.000	.000	.000	.000	-1.113	-1.578	-1.554	-.381
VEL-E	.000	.000	.000	.000	.000	.000	-.247	-1.223	-.694	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.427	1.759	1.072	1.017
VEL-W	.000	.000	.000	.000	.000	.000	.000	.247	1.223	.694

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.782	.782	.202
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1070.782	1071.782	1075.202
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.427	-1.759	-1.072
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.027	-.847	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.080	.967	.926
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.027	.847

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.910	.259	.199	.197
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1065.910	1070.259	1069.199	1065.197
VEL-N	.000	.000	.000	.000	.000	.000	-2.080	-.967	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.941	.427	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.277	1.023	.000	1.013
VEL-W	.000	.000	.000	.000	.000	.000	.000	.941	-.427	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	1.309	.203	.247	.000	.000	1.284	.198
ELEVATION	1069.000	1070.000	1070.000	1060.309	1064.203	1060.247	1062.000	1065.000	1058.284	1058.198
VEL-N	.000	.000	.000	-2.277	-1.023	-1.013	.000	.000	-1.880	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.318	.000
VEL-S	.000	.000	.000	1.880	.000	.623	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.179	-.318

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	1.204	.000	.899	1.591	.000	1.329	1.345	.000	.714	1.869
ELEVATION	1058.204	1059.000	1055.899	1055.591	1058.000	1052.329	1052.345	1050.000	1048.714	1046.869
VEL-N	-.623	.000	-2.179	-2.580	.000	-2.130	-2.816	.000	-2.141	-3.161
VEL-E	.000	.000	.688	.000	.000	.000	.000	.000	1.203	.000
VEL-S	.000	.000	2.130	2.816	.000	2.141	3.161	.000	2.028	2.879
VEL-W	.000	.000	.000	-.688	.000	.000	.000	.000	.000	-1.203

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	1.478	1.945	.000	1.722	1.096	.000	1.253	2.179	.000
ELEVATION	1050.000	1043.478	1043.945	1042.000	1040.722	1041.096	1039.000	1036.253	1035.179	1038.000
VEL-N	.000	-2.028	-2.879	.000	-2.389	-2.476	.000	-3.056	-2.868	.000
VEL-E	.000	-1.085	.000	.000	-.720	.000	.000	1.335	.000	.000
VEL-S	.000	2.389	2.476	.000	3.056	2.868	.000	2.443	2.725	.000
VEL-W	.000	.000	1.085	.000	.000	.720	.000	.000	-1.335	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	1.662	1.556	.000	.668	2.612	.000	3.167	3.697	.501	2.522
ELEVATION	1032.662	1032.556	1031.000	1029.668	1025.612	1027.000	1023.167	1023.697	1021.501	1021.522
VEL-N	-2.443	-2.725	.000	-2.125	-3.924	.000	-2.160	-2.912	.000	-2.857
VEL-E	.497	.000	.000	1.706	.000	.000	-1.838	.000	-.238	.324
VEL-S	2.125	3.924	.000	2.160	2.912	.000	2.857	.597	.955	3.883
VEL-W	.000	-.497	.000	.000	-1.706	.000	.000	1.838	.000	.238

NODE	211	212	213	214	215	216	217	218
DEPTH	2.088	.151	1.236	3.179	.000	.842	2.895	.629
ELEVATION	1020.088	1018.151	1016.236	1008.179	1015.000	1010.842	1007.895	1005.629
VEL-N	-.597	-.955	-3.883	-.870	.000	-2.639	-1.316	-2.047
VEL-E	.000	.000	3.626	.000	.000	1.723	.000	.000
VEL-S	.870	.000	2.639	1.316	.000	2.047	.000	.000
VEL-W	-.324	.000	.000	-3.626	.000	.000	-1.723	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 13.00 (SECONDS) = .468E+05 (TOTAL TIMESTEP NUMBER) = 1.6E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.200	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.200	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.198	.200	.197	.199	.000	.000	.200	.197
ELEVATION	1147.000	1135.198	1134.198	1134.200	1132.197	1133.199	1135.000	1137.000	1125.200	1126.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.199	.197	.197	.000	.000	.199	.197	.199	.198	.198
ELEVATION	1126.199	1125.197	1125.197	1128.000	1130.000	1118.199	1119.197	1119.199	1119.198	1119.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.197	.200	.199	.198	.198	.198	.051	.200
ELEVATION	1120.198	1122.000	1115.197	1111.200	1109.199	1112.198	1113.198	1114.198	1114.051	1110.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.198	.197	.198	.197	.198	.199	.199	.198	.198	.197
ELEVATION	1103.198	1105.197	1105.198	1107.197	1107.198	1106.199	1100.199	1098.198	1099.198	1101.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.197	.197	.198	.198	.200	.197	.199	.200	.199	.200
ELEVATION	1102.197	1100.198	1099.198	1095.198	1094.200	1095.197	1095.199	1095.200	1095.199	1096.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.197	.198	.197	.200	.200	.364	.000	.000	.000	.198
ELEVATION	1090.197	1089.198	1090.197	1090.200	1090.200	1089.365	1090.000	1091.000	1093.000	1088.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.060
VEL-S	.000	.000	.000	.000	.000	.451	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.228	.198	.025	.000	.198	.437	1.037	1.024	.223	.000
ELEVATION	1088.228	1088.198	1088.025	1089.000	1084.198	1083.437	1083.037	1083.024	1083.223	1084.000
VEL-N	-.451	.000	.000	.000	.000	.000	.000	-.809	.000	.000
VEL-E	.059	.000	.000	.000	.000	.490	.000	-.156	.000	.000
VEL-S	.809	.000	.000	.000	.000	.701	.887	.707	.399	.000
VEL-W	.060	-.059	.000	.000	.000	.000	-.490	.000	.156	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.270	.209	.375	.199	.537
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.270	1082.209	1082.375	1082.199	1081.537
VEL-N	.000	.000	.000	.000	.000	.000	-.701	-.707	-.399	.000
VEL-E	.000	.000	.000	.000	.000	-.733	-.240	.244	.336	.000
VEL-S	.000	.000	.000	.000	.000	.917	1.223	1.337	.895	.332
VEL-W	.000	.000	.000	.000	.000	.000	.733	.240	-.244	-.336

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.355	.441	.329	.199
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.355	1075.441	1078.329	1081.199
VEL-N	.000	.000	.000	.000	.000	.000	-.917	-1.223	-1.337	-.332
VEL-E	.000	.000	.000	.000	.000	.000	-.193	-1.080	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.209	1.505	.972	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.193	1.080	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.638	.649	.200
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1070.638	1071.649	1075.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.209	-1.505	-.972
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.907	-.860	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.821	.824	.927
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.907	.860

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.742	.202	.200	.198
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1065.742	1070.202	1069.200	1065.198
VEL-N	.000	.000	.000	.000	.000	.000	-1.821	-.824	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.809	.381	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.997	.934	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.809	-.381	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	1.081	.196	.222	.000	.000	1.152	.203
ELEVATION	1069.000	1070.000	1070.000	1060.081	1064.196	1060.222	1062.000	1065.000	1058.152	1058.203
VEL-N	.000	.000	.000	-1.997	-.934	.000	.000	.000	-1.623	-1.009
VEL-E	.000	.000	.000	-.711	.826	.000	.000	.000	.000	-.178
VEL-S	.000	.000	.000	1.623	1.009	.570	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.711	-.826	.000	.000	2.005	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	1.238	.000	.785	1.442	.000	1.177	1.199	.000	.617	1.662
ELEVATION	1058.238	1059.000	1055.785	1055.442	1058.000	1052.177	1052.199	1050.000	1048.617	1046.662
VEL-N	-.570	.000	-2.005	-2.408	.000	-1.956	-2.622	.000	-1.947	-2.942
VEL-E	.000	.000	.663	.000	.000	.000	.000	.000	1.123	.000
VEL-S	.000	.000	1.956	2.622	.000	1.947	2.942	.000	1.854	2.654
VEL-W	.178	.000	.000	-.663	.000	.000	.000	.000	.000	-1.123

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	1.295	1.753	.000	1.535	.960	.000	1.098	1.952	.000
ELEVATION	1050.000	1043.295	1043.753	1042.000	1040.535	1040.960	1039.000	1036.098	1034.952	1038.000
VEL-N	.000	-1.854	-2.654	.000	-2.189	-2.271	.000	-2.807	-2.644	.000
VEL-E	.000	-.994	.000	.000	-.702	.000	.000	1.263	.000	.000
VEL-S	.000	2.189	2.271	.000	2.807	2.644	.000	2.244	2.500	.000
VEL-W	.000	.000	.994	.000	.000	.702	.000	.000	-1.263	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	1.482	1.373	.000	.578	2.301	.000	2.833	3.329	.282	2.264
ELEVATION	1032.482	1032.373	1031.000	1029.578	1025.301	1027.000	1022.833	1023.329	1021.282	1021.264
VEL-N	-2.244	-2.500	.000	-1.928	-3.644	.000	-1.999	-2.714	.000	-2.593
VEL-E	.464	.000	.000	1.591	.000	.000	-1.656	.000	.000	.251
VEL-S	1.928	3.644	.000	1.999	2.714	.000	2.593	.535	.803	3.613
VEL-W	.000	-.464	.000	.000	-1.591	.000	.000	1.656	.000	.000

NODE	211	212	213	214	215	216	217	218
DEPTH	2.387	.252	1.235	6.144	.050	1.092	6.169	2.253
ELEVATION	1020.387	1018.252	1016.235	1011.143	1015.050	1011.092	1011.169	1007.253
VEL-N	-.535	-.803	-3.613	-.836	-.561	-2.780	-1.672	-2.304
VEL-E	.000	.627	2.865	.000	.000	.324	.000	.000
VEL-S	.836	.561	2.780	1.672	.000	2.304	.000	.000
VEL-W	-.251	.000	-.627	-2.865	.000	.000	-.324	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	1033.80

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 13.50 (SECONDS) = .486E+05 (TOTAL TIMESTEP NUMBER) = 1.6E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.200	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.200	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.198	.200	.197	.199	.000	.000	.200	.197
ELEVATION	1147.000	1135.198	1134.198	1134.200	1132.197	1133.199	1135.000	1137.000	1125.200	1126.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.199	.197	.197	.000	.000	.199	.197	.199	.198	.198
ELEVATION	1126.199	1125.197	1125.197	1128.000	1130.000	1118.199	1119.197	1119.199	1119.198	1119.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.197	.200	.199	.198	.198	.198	.051	.200
ELEVATION	1120.198	1122.000	1115.197	1111.200	1109.199	1112.198	1113.198	1114.198	1114.051	1110.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.198	.197	.198	.197	.198	.199	.199	.198	.198	.197
ELEVATION	1103.198	1105.197	1105.198	1107.197	1107.198	1106.199	1100.199	1098.198	1099.198	1101.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.197	.197	.198	.198	.200	.197	.199	.200	.199	.200
ELEVATION	1102.197	1100.198	1099.198	1095.198	1094.200	1095.197	1095.199	1095.200	1095.199	1096.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.197	.198	.197	.200	.200	.269	.000	.000	.000	.199
ELEVATION	1090.197	1089.198	1090.197	1090.200	1090.200	1089.269	1090.000	1091.000	1093.000	1088.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.374	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.200	.200	.025	.000	.198	.204	.779	.798	.200	.000
ELEVATION	1088.200	1088.200	1088.025	1089.000	1084.198	1083.204	1082.779	1082.798	1083.200	1084.000
VEL-N	-.374	.000	.000	.000	.000	.000	.000	-.757	.000	.000
VEL-E	.000	.000	.000	.000	.000	.302	.000	.000	.000	.000
VEL-S	.757	.000	.000	.000	.000	.459	.632	.528	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.302	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.199	.199	.286	.199	.460
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.199	1082.199	1082.286	1082.199	1081.460
VEL-N	.000	.000	.000	.000	.000	.000	-.459	-.528	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.155	.154	.000	.000
VEL-S	.000	.000	.000	.000	.000	.757	.000	1.111	.000	.271
VEL-W	.000	.000	.000	.000	.000	.000	.000	.155	-.154	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.242	.314	.248	.201
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.242	1075.314	1078.248	1081.201
VEL-N	.000	.000	.000	.000	.000	.000	-.757	.000	-1.111	-.271
VEL-E	.000	.000	.000	.000	.000	.000	-.141	-.902	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.938	1.206	.861	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.141	.902	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.500	.502	.200
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1070.500	1071.502	1075.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.938	-1.206	-.861
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.764	-.882	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.551	.687	.931
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.764	.882

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.595	.200	.197	.198
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1065.595	1070.200	1069.197	1065.198
VEL-N	.000	.000	.000	.000	.000	.000	-1.551	-.687	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.819	.379	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.730	.923	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.819	-.379	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.889	.197	.202	.000	.000	.978	.193
ELEVATION	1069.000	1070.000	1070.000	1059.889	1064.197	1060.202	1062.000	1065.000	1057.978	1058.193
VEL-N	.000	.000	.000	-1.730	-.923	.000	.000	.000	-1.420	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-.214	.000
VEL-S	.000	.000	.000	1.420	.000	.540	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.777	.214

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	1.219	.000	.665	1.258	.000	1.038	1.059	.000	.539	1.487
ELEVATION	1058.219	1059.000	1055.665	1055.258	1058.000	1052.038	1052.059	1050.000	1048.539	1046.487
VEL-N	-.540	.000	-1.777	-2.163	.000	-1.756	-2.387	.000	-1.772	-2.719
VEL-E	.000	.000	.647	.000	.000	.000	.000	.000	1.053	.000
VEL-S	.000	.000	1.756	2.387	.000	1.772	2.719	.000	1.706	2.457
VEL-W	.000	.000	.000	-.647	.000	.000	.000	.000	.000	-1.053

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	1.152	1.597	.000	1.387	.854	.000	.975	1.767	.000
ELEVATION	1050.000	1043.151	1043.597	1042.000	1040.387	1040.854	1039.000	1035.975	1034.767	1038.000
VEL-N	.000	-1.706	-2.457	.000	-2.026	-2.104	.000	-2.602	-2.464	.000
VEL-E	.000	-.915	.000	.000	-.682	.000	.000	1.197	.000	.000
VEL-S	.000	2.026	2.104	.000	2.602	2.464	.000	2.080	2.313	.000
VEL-W	.000	.000	.915	.000	.000	.682	.000	.000	-1.197	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	1.333	1.223	.000	.506	2.038	.000	2.542	3.013	.198	2.034
ELEVATION	1032.333	1032.223	1031.000	1029.506	1025.038	1027.000	1022.542	1023.013	1021.198	1021.034
VEL-N	-2.080	-2.313	.000	-1.763	-3.400	.000	-1.857	-2.537	.000	-2.366
VEL-E	.433	.000	.000	1.487	.000	.000	-1.505	.000	.000	.204
VEL-S	1.763	3.400	.000	1.857	2.537	.000	2.366	.487	.000	3.333
VEL-W	.000	-.433	.000	.000	-1.487	.000	.000	1.505	.000	.000

NODE	211	212	213	214	215	216	217	218
DEPTH	2.363	.199	1.127	7.230	.100	2.145	7.366	6.027
ELEVATION	1020.363	1018.199	1016.127	1012.230	1015.100	1012.145	1012.366	1011.027
VEL-N	-.487	.000	-3.333	-.772	.000	-2.378	-2.528	-2.080
VEL-E	.000	.000	2.303	.000	.000	.665	.000	.000
VEL-S	.772	.000	2.378	2.528	.000	2.080	.000	.000
VEL-W	-.204	.000	.000	-2.303	.000	.000	-.665	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 14.00 (SECONDS) = .504E+05 (TOTAL TIMESTEP NUMBER) = 1.7E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 22162.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.199	.198	.196	.198	.197	.199	.000	.199	.199	.197
ELEVATION	1227.199	1225.198	1226.196	1218.198	1216.197	1218.199	1219.000	1208.199	1205.199	1205.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.198	.199	.197	.000	.000	.199	.197	.196	.197
ELEVATION	1210.000	1200.198	1197.199	1195.197	1200.000	1204.000	1191.199	1190.197	1188.196	1190.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.199	.197	.198	.199	.000	.000	.195	.198	.199
ELEVATION	1195.000	1184.199	1181.197	1180.198	1180.199	1185.000	1190.000	1175.195	1172.198	1170.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.197	.000	.000	.199	.199	.198	.198	.000	.000	.000
ELEVATION	1173.197	1175.000	1182.000	1165.199	1162.199	1162.198	1165.198	1168.000	1171.000	1175.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.200	.199	.199	.199	.000	.000	.000	.198	.197	.197
ELEVATION	1155.200	1154.199	1154.199	1153.199	1158.000	1161.000	1165.000	1149.198	1147.197	1147.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.200	.198	.000	.000	.200	.198	.200	.200	.197	.000
ELEVATION	1147.200	1148.198	1151.000	1157.000	1141.200	1140.198	1140.200	1140.200	1140.197	1144.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.198	.198	.200	.197	.199	.000	.000	.200	.197
ELEVATION	1147.000	1135.198	1134.198	1134.200	1132.197	1133.199	1135.000	1137.000	1125.200	1126.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.199	.197	.197	.000	.000	.199	.197	.199	.198	.198
ELEVATION	1126.199	1125.197	1125.197	1128.000	1130.000	1118.199	1119.197	1119.199	1119.198	1119.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.198	.000	.197	.200	.199	.198	.198	.198	.051	.200
ELEVATION	1120.198	1122.000	1115.197	1111.200	1109.199	1112.198	1113.198	1114.198	1114.051	1110.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.198	.197	.198	.197	.198	.199	.199	.198	.198	.197
ELEVATION	1103.198	1105.197	1105.198	1107.197	1107.198	1106.199	1100.199	1098.198	1099.198	1101.198
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.197	.197	.198	.198	.200	.197	.199	.200	.199	.200
ELEVATION	1102.197	1100.198	1099.198	1095.198	1094.200	1095.197	1095.199	1095.200	1095.199	1096.200
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.197	.198	.197	.200	.200	.201	.000	.000	.000	.199
ELEVATION	1090.197	1089.198	1090.197	1090.200	1090.200	1089.201	1090.000	1091.000	1093.000	1088.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.326	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.199	.200	.025	.000	.198	.199	.606	.627	.200	.000
ELEVATION	1088.199	1088.200	1088.025	1089.000	1084.198	1083.199	1082.606	1082.627	1083.200	1084.000
VEL-N	-.326	.000	.000	.000	.000	.000	.000	-.768	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.768	.000	.000	.000	.000	.000	.465	.398	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.199	.196	.222	.200	.398
ELEVATION	1088.000	1090.000	1089.000	1088.000	1088.000	1079.199	1082.196	1082.222	1082.200	1081.398
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.398	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.077	.073	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.952	.000	.222
VEL-W	.000	.000	.000	.000	.000	.000	.000	.077	-.073	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.199	.213	.203	.197
ELEVATION	1083.000	1085.000	1085.000	1085.000	1087.000	1090.000	1075.199	1075.213	1078.203	1081.197
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	-.952	-.222
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.797	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.929	.790	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.797	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.328	.373	.199
ELEVATION	1082.000	1080.000	1080.000	1082.000	1083.000	1080.000	1085.000	1070.328	1071.373	1075.199
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	-.929	-.790
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.617	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.171	.570	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.617	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.437	.201	.199	.197
ELEVATION	1078.000	1070.000	1075.000	1079.000	1083.000	1081.000	1065.437	1070.201	1069.199	1065.197
VEL-N	.000	.000	.000	.000	.000	.000	-1.171	-.570	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.416	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.704	.197	.200	.000	.000	.810	.198
ELEVATION	1069.000	1070.000	1070.000	1059.704	1064.197	1060.200	1062.000	1065.000	1057.810	1058.198
VEL-N	.000	.000	.000	-1.416	.000	.000	.000	.000	-1.210	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	1.210	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.547	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	1.218	.000	.545	1.066	.000	.885	.904	.000	.457	1.292
ELEVATION	1058.218	1059.000	1055.545	1055.066	1058.000	1051.885	1051.904	1050.000	1048.457	1046.292
VEL-N	.000	.000	-1.547	-1.917	.000	-1.545	-2.131	.000	-1.575	-2.456
VEL-E	.000	.000	.614	.000	.000	.000	.000	.000	.968	.000
VEL-S	.000	.000	1.545	2.131	.000	1.575	2.456	.000	1.537	2.230
VEL-W	.000	.000	.000	-.614	.000	.000	.000	.000	.000	-.968

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	1.005	1.424	.000	1.239	.752	.000	.866	1.598	.000
ELEVATION	1050.000	1043.005	1043.424	1042.000	1040.239	1040.752	1039.000	1035.865	1034.598	1038.000
VEL-N	.000	-1.537	-2.230	.000	-1.852	-1.918	.000	-2.400	-2.274	.000
VEL-E	.000	-.817	.000	.000	-.656	.000	.000	1.133	.000	.000
VEL-S	.000	1.852	1.918	.000	2.400	2.274	.000	1.927	2.140	.000
VEL-W	.000	.000	.817	.000	.000	.656	.000	.000	-1.133	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	1.206	1.097	.000	.448	1.823	.000	2.304	2.752	.198	1.788
ELEVATION	1032.206	1032.097	1031.000	1029.448	1024.823	1027.000	1022.304	1022.752	1021.198	1020.788
VEL-N	-1.927	-2.140	.000	-1.623	-3.181	.000	-1.735	-2.381	.000	-2.201
VEL-E	.404	.000	.000	1.396	.000	.000	-1.379	.000	.000	.168
VEL-S	1.623	3.181	.000	1.735	2.381	.000	2.201	.451	.000	3.078
VEL-W	.000	-.404	.000	.000	-1.396	.000	.000	1.379	.000	.000

NODE	211	212	213	214	215	216	217	218
DEPTH	2.245	.199	1.129	8.229	.100	3.426	8.569	8.448
ELEVATION	1020.245	1018.199	1016.129	1013.229	1015.100	1013.426	1013.569	1013.448
VEL-N	-.451	.000	-3.078	-.685	.000	-1.930	-3.242	-.967
VEL-E	.000	.000	1.914	.000	.000	1.757	.000	.000
VEL-S	.685	.000	1.930	3.242	.000	.967	.000	.000
VEL-W	-.168	.000	.000	-1.914	.000	.000	-1.757	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
180	.00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.857	3.311	1.384	.956	2.973	1.019	.000	.917	3.010	1.831
TIME	7.479	7.412	7.462	7.487	7.479	7.529	14.004	7.629	7.521	7.579

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.510	2.614	2.826	.000	.000	.793	1.827	2.986	.655
TIME	14.004	7.821	7.604	7.629	14.004	14.004	7.796	7.671	7.654	7.737

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.642	1.834	2.460	1.483	.000	.000	.438	1.340	2.914
TIME	14.004	8.021	7.779	7.729	7.821	14.004	14.004	8.304	7.946	7.754

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.230	.000	.000	.240	1.925	2.797	.780	.000	.000	.000
TIME	7.804	14.004	14.004	8.596	7.904	7.771	7.954	14.004	14.004	14.004

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.754	2.102	2.154	1.652	.000	.000	.000	.427	2.098	2.017
TIME	8.104	7.446	7.396	8.029	14.004	14.004	14.004	8.396	7.579	7.579

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	1.695	.375	.000	.000	.831	2.188	2.162	1.889	.797	.000
TIME	8.079	8.271	14.004	14.004	8.312	7.737	7.746	7.796	8.321	14.004

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.803	2.045	1.866	2.412	.915	.000	.000	1.303	1.817
TIME	14.004	8.446	7.896	7.912	7.912	8.337	14.004	14.004	8.546	8.046

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	1.788	2.483	1.711	.000	.000	2.091	1.645	1.735	2.054	1.962
TIME	8.046	8.029	8.179	14.004	14.004	8.554	8.187	8.171	8.171	8.287

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.452	.000	1.114	1.400	2.948	1.643	1.484	.360	.051	.457
TIME	8.612	14.004	8.737	8.729	8.354	8.371	8.496	8.771	14.004	8.979

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	2.499	2.032	2.125	1.102	.514	.202	.630	2.889	2.307	1.499
TIME	8.529	8.496	8.521	8.687	9.021	9.554	8.796	8.646	8.671	8.704

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.742	.699	.432	1.162	2.744	1.860	1.708	1.038	.697	.347
TIME	8.862	9.304	10.104	8.929	8.771	8.804	8.862	9.062	9.546	11.046

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	1.327	2.546	1.677	1.648	1.297	.912	.000	.000	.000	1.384
TIME	9.037	8.904	8.937	9.012	9.346	10.996	14.004	14.004	14.004	9.279

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.667	.202	.025	.000	1.525	2.555	2.754	2.236	1.002	.000
TIME	10.079	10.396	14.004	14.004	9.171	9.021	9.296	9.812	10.171	14.004

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	2.125	1.222	1.043	.582	.662
TIME	14.004	14.004	14.004	14.004	14.004	9.371	9.162	9.671	10.254	11.654

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	1.836	1.578	.755	.203
TIME	14.004	14.004	14.004	14.004	14.004	14.004	9.529	9.579	9.987	11.579

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	2.241	1.786	.349
TIME	14.004	14.004	14.004	14.004	14.004	14.004	14.004	9.729	9.804	10.329

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	2.555	.733	.242	.203
TIME	14.004	14.004	14.004	14.004	14.004	14.004	9.896	9.996	10.446	11.371

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	3.138	.378	.287	.000	.000	2.499	.587
TIME	14.004	14.004	14.004	10.096	10.171	11.512	14.004	14.004	10.246	10.354

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	1.238	.000	2.030	2.915	.000	2.439	2.448	.000	1.473	3.319
TIME	13.012	14.004	10.412	10.396	14.004	10.579	10.562	14.004	10.746	10.729

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	2.514	2.909	.000	2.706	1.803	.000	2.031	3.126	.000
TIME	14.004	10.946	10.896	14.004	11.096	11.046	14.004	11.271	11.296	14.004

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	2.266	2.193	.000	.969	3.253	.000	3.403	3.989	.508	2.536
TIME	11.446	11.421	14.004	11.587	11.587	14.004	12.012	12.004	12.462	12.071

NODE	211	212	213	214	215	216	217	218
DEPTH	2.401	.254	1.573	8.578	.100	3.537	8.569	8.448
TIME	13.187	12.921	12.146	13.996	14.004	13.996	14.004	14.004

APPENDIX C

(The West Breakout DHM MODEL)

*** DIFFUSION ROUTING ***

MIN. TIMESTEP(SEC.) = 1.00
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = 1.00
DECREASED TIMESTEP INTERVAL (SEC.) = 1.00
TOTAL SIMULATION(HOUR) = 9.50
UPDATE INTERVAL(TIMESTEPS) = 0
OUTPUT INTERVAL(HOUR) = .50
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 118
UNIFORM GRID SIDE(FEET) = 2000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 0
RETENTION WATER DEPTH(FEET) = .1000
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = .5000
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	0	2	5	0	.0300	1217.0	.0
2	0	3	6	1	.0300	1217.0	.0
3	0	0	8	2	.0300	1216.0	.0
4	0	5	9	0	.0300	1215.0	.0
5	1	6	10	4	.0300	1213.0	.0
6	2	7	11	5	.0300	1214.0	.0
7	2	8	12	6	.0300	1216.0	.0
8	3	0	14	7	.0300	1217.0	.0
9	4	10	15	0	.0300	1208.0	.0
10	5	11	16	9	.0300	1207.0	.0
11	6	12	17	10	.0300	1206.0	.0
12	7	13	18	11	.0300	1207.0	.0
13	7	14	19	12	.0300	1206.0	.0
14	8	0	21	13	.0300	1208.0	.0
15	9	16	22	0	.0300	1201.0	.0
16	10	17	23	15	.0300	1195.0	.0
17	11	18	24	16	.0300	1198.0	.0
18	12	19	25	17	.0300	1198.0	.0
19	13	20	26	18	.0300	1199.0	.0
20	13	21	27	19	.0300	1198.0	.0
21	14	0	29	20	.0300	1201.0	.0
22	15	23	30	0	.0300	1193.0	.0
23	16	24	31	22	.0300	1192.0	.0
24	17	25	31	23	.0300	1190.0	.0
25	18	26	32	24	.0300	1191.0	.0
26	19	27	33	25	.0300	1193.0	.0
27	20	28	35	26	.0300	1190.0	.0
28	21	29	36	27	.0300	1192.0	.0
29	21	0	37	28	.0300	1193.0	.0
30	22	31	38	0	.0300	1185.0	.0
31	24	32	39	30	.0300	1183.0	.0
32	25	33	39	31	.0300	1183.0	.0
33	26	34	40	32	.0300	1184.0	.0
34	26	35	41	33	.0300	1186.0	.0
35	27	36	43	34	.0300	1184.0	.0
36	28	37	44	35	.0300	1182.0	.0
37	29	0	45	36	.0300	1184.0	.0
38	30	39	46	0	.0300	1177.0	.0
39	32	40	47	38	.0300	1175.0	.0
40	33	41	47	39	.0300	1176.0	.0
41	34	42	48	40	.0300	1177.0	.0
42	34	43	50	41	.0300	1177.0	.0
43	35	44	51	42	.0300	1175.0	.0
44	36	45	52	43	.0300	1174.0	.0
45	37	0	53	44	.0300	1175.0	.0
46	38	47	54	0	.0300	1165.0	.0
47	40	48	55	46	.0300	1167.0	.0
48	41	49	56	47	.0300	1169.0	.0
49	42	50	58	48	.0300	1169.0	.0
50	42	51	59	49	.0300	1168.0	.0
51	43	52	60	50	.0300	1166.0	.0
52	44	53	61	51	.0300	1166.0	.0
53	45	0	62	52	.0300	1166.0	.0
54	46	55	63	0	.0300	1165.0	.0
55	47	56	64	54	.0300	1162.0	.0
56	48	57	65	55	.0300	1162.0	.0
57	49	58	66	56	.0300	1163.0	.0

58	49	59	68	57	.0300	1162.0	.0
59	50	60	69	58	.0300	1160.0	.0
60	51	61	70	59	.0300	1159.0	.0
61	52	62	71	60	.0300	1160.0	.0
62	53	0	72	61	.0300	1160.0	.0
63	54	64	73	0	.0300	1157.0	.0
64	55	65	74	63	.0300	1155.0	.0
65	56	66	75	64	.0300	1156.0	.0
66	57	67	76	65	.0300	1157.0	.0
67	58	68	78	66	.0300	1156.0	.0
68	58	69	79	67	.0300	1156.0	.0
69	59	70	80	68	.0300	1152.0	.0
70	60	71	81	69	.0300	1152.0	.0
71	61	72	82	70	.0300	1153.0	.0
72	62	0	83	71	.0300	1154.0	.0
73	63	74	84	0	.0300	1150.0	.0
74	64	75	85	73	.0300	1148.0	.0
75	65	76	85	74	.0300	1149.0	.0
76	66	77	86	75	.0300	1150.0	.0
77	66	78	87	76	.0300	1150.0	.0
78	67	79	89	77	.0300	1148.0	.0
79	68	80	90	78	.0300	1147.0	.0
80	69	81	91	79	.0300	1144.0	.0
81	70	82	92	80	.0300	1144.0	.0
82	71	83	93	81	.0300	1145.0	.0
83	72	0	94	82	.0300	1146.0	.0
84	73	85	0	0	.0300	1143.0	.0
85	75	86	0	84	.0300	1142.0	.0
86	76	87	0	85	.0300	1143.0	.0
87	77	88	0	86	.0300	1142.0	.0
88	77	89	0	87	.0300	1142.0	.0
89	78	90	95	88	.0300	1142.0	.0
90	79	91	96	89	.0300	1140.0	.0
91	80	92	97	90	.0300	1135.0	.0
92	81	93	98	91	.0300	1137.0	.0
93	82	94	99	92	.0300	1139.0	.0
94	83	0	100	93	.0300	1139.0	.0
95	89	96	101	0	.0300	1132.0	.0
96	90	97	102	95	.0300	1131.0	.0
97	91	98	103	96	.0300	1128.0	.0
98	92	99	104	97	.0300	1127.0	.0
99	93	100	105	98	.0300	1131.0	.0
100	94	0	106	99	.0300	1129.0	.0
101	95	102	107	0	.0300	1120.0	.0
102	96	103	108	101	.0300	1119.0	.0
103	97	104	109	102	.0300	1118.0	.0
104	98	105	110	103	.0300	1123.0	.0
105	99	106	111	104	.0300	1123.0	.0
106	100	0	0	105	.0300	1122.0	.0
107	101	108	112	0	.0300	1111.0	.0
108	102	109	113	107	.0300	1110.0	.0
109	103	110	114	108	.0300	1115.0	.0
110	104	111	0	109	.0300	1116.0	.0
111	105	0	0	110	.0300	1116.0	.0
112	107	113	0	0	.0300	1111.0	.0
113	108	114	115	112	.0300	1111.0	.0
114	109	0	116	113	.0300	1111.0	.0

```
115 113 116 117   0  .0300  1095.0    .0
116 114   0 118 115  .0300  1097.0    .0
117 115 118   0   0  .0300  1090.0    .0
118 116   0   0 117  .0300  1091.0    .0
```

```
INFLOW HYDROGRAPH AT NODE #  2
 HOUR    CFS
  .0        0.
 6.3        0.
 7.4    47680.
 8.3        0.
12.0        0.
```

```
MODEL TIME(HOURS) =        .50 (SECONDS) =  .181E+04 (TOTAL TIMESTEP NUMBER) =   7.5E+01
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) =  1.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 24.20
```

```
MODEL TIME(HOURS) =       1.00 (SECONDS) =  .361E+04 (TOTAL TIMESTEP NUMBER) =   1.4E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =       1.50 (SECONDS) =  .541E+04 (TOTAL TIMESTEP NUMBER) =   2.0E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =       2.00 (SECONDS) =  .721E+04 (TOTAL TIMESTEP NUMBER) =   2.6E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =       2.50 (SECONDS) =  .902E+04 (TOTAL TIMESTEP NUMBER) =   3.2E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       3.00 (SECONDS) =  .108E+05 (TOTAL TIMESTEP NUMBER) =   3.8E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       3.50 (SECONDS) =  .126E+05 (TOTAL TIMESTEP NUMBER) =   4.4E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       4.00 (SECONDS) =  .144E+05 (TOTAL TIMESTEP NUMBER) =   5.0E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------

MODEL TIME(HOURS) =       4.50 (SECONDS) =  .162E+05 (TOTAL TIMESTEP NUMBER) =   5.6E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
-----------------------------------------------------------------------------------------------------------------------
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```
MODEL TIME(HOURS) =        5.00 (SECONDS) =  .180E+05 (TOTAL TIMESTEP NUMBER) =   6.2E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =        5.50 (SECONDS) =  .198E+05 (TOTAL TIMESTEP NUMBER) =   6.8E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =        6.00 (SECONDS) =  .216E+05 (TOTAL TIMESTEP NUMBER) =   7.4E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO        .00

MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

```
MODEL TIME(HOURS) =        6.50 (SECONDS) =  .234E+05 (TOTAL TIMESTEP NUMBER) =   8.0E+02
  ***FLOOD PLAIN RESULTS***
     INFLOW  RATE AT NODE   2 IS EQUAL TO    8849.13
```

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.014	.772	.024	.000	.000	.037	.024	.000	.000	.000
ELEVATION	1217.014	1217.772	1216.024	1215.000	1213.000	1214.037	1216.024	1217.000	1208.000	1207.000
VEL-N	.000	.000	.000	.000	.000	-1.105	-.742	.000	.000	.000
VEL-E	-.475	.742	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	1.105	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.475	-.742	.000	.000	.000	.000	.000	.000	.000

```
MIN. TIMESTEP(SEC.) = 30.00     MAX. TIMESTEP(SEC.) = 30.00     MEAN TIMESTEP(SEC.) = 30.00
```

MODEL TIME(HOURS) - 7.00 (SECONDS) - .252E+05 (TOTAL TIMESTEP NUMBER) - 8.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 30521.53

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	1.076	2.332	2.146	.000	1.060	1.659	1.046	.193	.000	.149
ELEVATION	1218.076	1219.332	1218.146	1215.000	1214.060	1215.659	1217.046	1217.193	1208.000	1207.149
VEL-N	.000	.000	.000	.000	-2.286	-3.350	-2.360	-1.158	.000	-1.991
VEL-E	-1.758	2.073	.000	.000	-1.733	-1.329	-.128	.000	.000	-.418
VEL-S	2.286	3.350	1.158	.000	1.991	4.198	2.823	.666	.000	.627
VEL-W	.000	1.758	-2.073	.000	.000	1.733	1.329	.128	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	1.400	.477	.653	.003	.000	.005	.279	.048	.062	.066
ELEVATION	1207.400	1207.477	1206.653	1208.003	1201.000	1195.005	1198.279	1198.048	1199.062	1198.066
VEL-N	-4.198	-2.823	-3.152	-.666	.000	-.627	-2.867	-1.347	-1.471	-1.570
VEL-E	-.221	.601	.000	.000	.000	-.499	.138	.000	.000	.000
VEL-S	2.867	1.347	1.471	.000	.000	.000	.799	.000	.000	.000
VEL-W	.418	.221	-.601	.000	.000	.000	.499	-.138	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.006	.000	.000	.000	.000	.000	.000
ELEVATION	1201.000	1193.000	1192.000	1190.006	1191.000	1193.000	1190.000	1192.000	1193.000	1185.000
VEL-N	.000	.000	.000	-.799	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) - 30.00 MAX. TIMESTEP(SEC.) - 30.00 MEAN TIMESTEP(SEC.) - 30.00

MODEL TIME(HOURS) - 7.50 (SECONDS) - .270E+05 (TOTAL TIMESTEP NUMBER) - 9.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 42162.98

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	1.796	3.099	3.576	.111	2.251	2.062	1.551	1.271	.133	1.414
ELEVATION	1218.797	1220.099	1219.576	1215.111	1215.250	1216.062	1217.551	1218.271	1208.133	1208.414
VEL-N	.000	.000	.000	.000	-3.082	-4.201	-3.116	-2.284	-.647	-4.325
VEL-E	-2.312	1.723	.000	-.461	-1.623	-1.815	-1.107	.000	-.488	.418
VEL-S	3.082	4.201	2.284	.647	4.325	4.995	4.264	3.750	.474	4.494
VEL-W	.000	2.312	-1.723	.000	.461	1.623	1.815	1.107	.000	.488

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	2.317	1.302	2.076	1.107	.002	2.961	1.667	1.783	1.691	2.290
ELEVATION	1208.317	1208.302	1208.076	1209.108	1201.002	1197.961	1199.667	1199.782	1200.691	1200.290
VEL-N	-4.995	-4.264	-4.577	-3.750	-.474	-4.494	-5.148	-3.830	-4.578	-5.013
VEL-E	.250	.620	-1.179	.000	.000	-2.031	-.560	-1.490	.981	-.455
VEL-S	5.148	3.830	4.578	2.386	.000	3.924	4.251	4.053	3.291	5.356
VEL-W	-.418	-.250	-.620	1.179	.000	.000	2.031	.560	1.490	-.981

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.289	.014	1.268	2.176	1.382	.728	2.626	.080	.010	.000
ELEVATION	1201.289	1193.014	1193.268	1192.176	1192.382	1193.729	1192.626	1192.080	1193.010	1185.000
VEL-N	-2.386	.000	-3.924	-4.251	-4.053	-3.291	-5.356	-1.006	-.851	.000
VEL-E	.000	-.384	1.338	-.577	-1.027	.936	.933	.000	.000	.000
VEL-S	.851	.000	3.645	4.279	2.867	1.863	4.296	.000	.000	.000
VEL-W	.455	.000	.384	-1.338	.577	1.027	-.936	-.933	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.100	.314	.110	.096	.789	.021	.000	.000	.007	.000
ELEVATION	1184.100	1183.314	1184.110	1186.096	1184.789	1182.021	1184.000	1177.000	1175.007	1176.000
VEL-N	-4.279	-2.867	-1.863	-1.642	-4.296	.000	.000	.000	-.857	.000
VEL-E	.717	.000	.000	.000	.913	.000	.000	.000	.000	.000
VEL-S	2.133	.857	.000	.000	1.760	.000	.000	.000	.000	.000
VEL-W	.000	-.717	.000	.000	.000	-.913	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.042	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1177.000	1177.000	1175.042	1174.000	1175.000	1165.000	1167.000	1169.000	1169.000	1168.000
VEL-N	.000	.000	-1.760	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 8.00 (SECONDS) = .288E+05 (TOTAL TIMESTEP NUMBER) = 9.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO 15674.47

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	1.260	2.011	2.775	.118	1.784	1.467	.994	.861	.329	1.277
ELEVATION	1218.260	1219.011	1218.775	1215.118	1214.784	1215.467	1216.994	1217.861	1208.329	1208.277
VEL-N	.000	.000	.000	.000	-2.426	-3.041	-2.085	-1.593	-.700	-3.773
VEL-E	-1.351	.875	.000	.152	-1.189	-1.371	-.937	.000	.115	.782
VEL-S	2.426	3.041	1.593	.700	3.773	3.954	3.296	3.000	1.115	4.207
VEL-W	.000	1.351	-.875	.000	-.152	1.189	1.371	.937	.000	-.115

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	1.917	.956	1.571	.838	.129	2.954	1.480	1.490	1.420	2.018
ELEVATION	1207.917	1207.956	1207.571	1208.838	1201.129	1197.954	1199.480	1199.490	1200.420	1200.018
VEL-N	-3.954	-3.296	-3.408	-3.000	-1.115	-4.207	-4.601	-3.149	-3.895	-4.136
VEL-E	-.207	.669	-1.111	.000	.498	-1.782	.000	-1.356	.887	-1.221
VEL-S	4.601	3.149	3.895	2.551	.784	4.001	3.906	3.830	3.053	4.786
VEL-W	-.782	.207	-.669	1.111	.000	-.498	1.782	.000	1.356	-.887

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.755	.302	1.496	2.168	1.471	.774	2.770	.880	.715	.319
ELEVATION	1201.755	1193.302	1193.495	1192.168	1192.471	1193.774	1192.770	1192.880	1193.715	1185.319
VEL-N	-2.551	-.784	-4.001	-3.906	-3.830	-3.053	-4.786	-2.764	-2.567	-1.405
VEL-E	.000	-.462	1.671	-.791	-1.070	.936	-.325	-.799	.000	.305
VEL-S	2.567	1.405	4.240	4.838	3.979	2.783	5.095	3.104	2.009	1.461
VEL-W	1.221	.000	.462	-1.671	.791	1.070	-.936	.325	.799	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.968	1.816	.967	.560	1.812	1.647	.203	.410	2.509	1.463
ELEVATION	1184.968	1184.816	1184.967	1186.560	1185.812	1183.647	1184.203	1177.410	1177.509	1177.463
VEL-N	-4.838	-3.979	-2.783	-2.283	-5.095	-3.104	-2.009	-1.461	-4.472	-2.987
VEL-E	.660	-.424	-.954	.656	2.350	-.273	.000	-.492	.400	.311
VEL-S	4.764	4.472	2.987	2.031	4.784	4.290	1.100	1.432	4.656	3.512
VEL-W	-.305	-.660	.424	.954	-.656	-2.350	.273	.000	.492	-.400

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.391	.335	1.565	1.933	.379	.058	.603	.038	.035	.038
ELEVATION	1177.391	1177.335	1176.565	1175.933	1175.379	1165.058	1167.603	1169.038	1169.035	1168.038
VEL-N	-2.031	-1.963	-4.784	-4.290	-1.100	-1.432	-3.512	-1.113	-1.014	-1.078
VEL-E	.123	.455	1.174	.943	.000	-.792	.000	.000	.000	.000
VEL-S	1.113	1.078	4.392	4.869	1.457	.000	1.143	.000	.000	.000
VEL-W	-.311	-.123	-.455	-1.174	-.943	.000	.792	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	1.999	2.109	.242	.000	.028	.000	.000	.000	.010	1.339
ELEVATION	1167.999	1168.109	1166.242	1165.000	1162.028	1162.000	1163.000	1162.000	1160.010	1160.339
VEL-N	-4.392	-4.869	-1.457	.000	-1.143	.000	.000	.000	.000	-4.251
VEL-E	-.549	1.656	.000	.000	.000	.000	.000	.000	-.416	-.258
VEL-S	4.251	3.563	.617	.000	.000	.000	.000	.000	.000	2.513
VEL-W	.000	.549	-1.656	.000	.000	.000	.000	.000	.000	.416

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.492	.005	.000	.000	.000	.000	.000	.000	.000	.184
ELEVATION	1160.492	1160.005	1157.000	1155.000	1156.000	1157.000	1156.000	1156.000	1152.000	1152.184
VEL-N	-3.563	-.617	.000	.000	.000	.000	.000	.000	.000	-2.513
VEL-E	.262	.000	.000	.000	.000	.000	.000	.000	-.081	.000
VEL-S	1.100	.000	.000	.000	.000	.000	.000	.000	.000	.584
VEL-W	.258	-.262	.000	.000	.000	.000	.000	.000	.000	.081

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.013	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1153.013	1154.000	1150.000	1148.000	1149.000	1150.000	1150.000	1148.000	1147.000	1144.000
VEL-N	-1.100	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1144.002	1145.000	1146.000	1143.000	1142.000	1143.000	1142.000	1142.000	1142.000	1140.000
VEL-N	-.584	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 8.50 (SECONDS) = .306E+05 (TOTAL TIMESTEP NUMBER) = 1.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO .00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.508	.600	1.631	.099	.904	.623	.403	.398	.146	.705
ELEVATION	1217.508	1217.600	1217.631	1215.099	1213.904	1214.623	1216.403	1217.398	1208.146	1207.705
VEL-N	.000	.000	.000	.000	-1.353	-1.377	-.775	-.551	.000	-2.407
VEL-E	-.233	-.215	.000	.000	-.691	-.814	-.604	.000	.205	.714
VEL-S	1.353	1.377	.551	.000	2.407	2.247	1.829	1.808	.772	2.894
VEL-W	.000	.233	.215	.000	.000	.691	.814	.604	.000	-.205

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	1.049	.430	.823	.472	.121	1.989	.869	.850	.817	1.190
ELEVATION	1207.049	1207.430	1206.823	1208.472	1201.121	1196.990	1198.869	1198.850	1199.817	1199.190
VEL-N	-2.247	-1.829	-1.889	-1.808	-.772	-2.894	-3.106	-1.867	-2.589	-2.710
VEL-E	-.390	.495	-.868	.000	.551	-1.390	.000	-.958	.770	-.883
VEL-S	3.106	1.867	2.589	1.696	.764	2.925	2.764	2.640	2.078	3.403
VEL-W	-.714	.390	-.495	.868	.000	-.551	1.390	.000	.958	-.770

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.391	.196	1.048	1.468	.903	.451	1.811	.486	.424	.222
ELEVATION	1201.391	1193.196	1193.048	1191.468	1191.903	1193.451	1191.811	1192.486	1193.424	1185.222
VEL-N	-1.696	-.764	-2.925	-2.764	-2.640	-2.078	-3.403	-1.780	-1.683	-1.061
VEL-E	.000	.141	1.442	-.684	-.815	.838	-.562	-.610	.000	.369
VEL-S	1.683	1.061	3.379	3.765	2.888	1.957	3.776	2.104	1.819	1.154
VEL-W	.883	.000	-.141	-1.442	.684	.815	-.838	.562	.610	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.398	1.218	.558	.291	1.222	1.166	.375	.234	1.709	.691
ELEVATION	1184.398	1184.218	1184.557	1186.291	1185.222	1183.166	1184.375	1177.234	1176.709	1176.691
VEL-N	-3.765	-2.888	-1.957	-1.541	-3.776	-2.104	-1.819	-1.154	-3.482	-2.117
VEL-E	.565	-.437	-.643	.504	1.797	-.634	.000	.305	.000	-.481
VEL-S	3.860	3.482	2.117	1.460	3.741	3.429	1.726	1.392	3.845	2.600
VEL-W	-.369	-.565	.437	.643	-.504	-1.797	.634	.000	-.305	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.376	.356	1.130	1.435	.459	1.391	.781	.311	.312	.296
ELEVATION	1177.376	1177.356	1176.130	1175.435	1175.459	1166.391	1167.781	1169.311	1169.312	1168.296
VEL-N	-1.460	-1.462	-3.741	-3.429	-1.726	-1.392	-2.600	-1.549	-1.516	-1.583
VEL-E	.000	.620	1.007	.000	.000	-1.120	-.626	.000	.502	.455
VEL-S	1.549	1.583	3.564	3.989	1.933	1.032	2.081	1.222	.959	1.367
VEL-W	.481	.000	-.620	-1.007	.000	.000	1.120	.626	.000	-.502

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	1.421	1.487	.941	.246	.937	.233	.053	.058	.488	1.601
ELEVATION	1167.421	1167.487	1166.941	1165.246	1162.937	1162.233	1163.053	1162.058	1160.488	1160.601
VEL-N	-3.564	-3.989	-1.933	-1.032	-2.081	-1.222	-.883	-.959	-1.367	-3.670
VEL-E	-.365	.936	.000	.642	.655	.000	.000	.000	-.394	-.975
VEL-S	3.670	3.395	2.551	.792	2.436	.657	.000	.000	1.889	4.019
VEL-W	-.455	.365	-.936	.000	-.642	-.655	.000	.000	.000	.394

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	1.205	1.231	.014	.529	.010	.000	.000	.000	.938	1.610
ELEVATION	1161.205	1161.231	1157.014	1155.529	1156.010	1157.000	1156.000	1156.000	1152.938	1153.610
VEL-N	-3.395	-2.551	-.792	-2.436	-.657	.000	.000	.000	-1.889	-4.019
VEL-E	-.220	.000	.000	.000	.000	.000	.000	.000	-1.073	-.963
VEL-S	3.326	2.791	.000	1.286	.000	.000	.000	.000	3.019	4.247
VEL-W	.975	.220	.000	.000	.000	.000	.000	.000	.000	1.073

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	1.195	.744	.000	.052	.000	.000	.000	.000	.000	1.002
ELEVATION	1154.195	1154.745	1150.000	1148.052	1149.000	1150.000	1150.000	1148.000	1147.000	1145.002
VEL-N	-3.326	-2.791	.000	-1.286	.000	.000	.000	.000	.000	-3.019
VEL-E	-.639	.000	.000	.000	.000	.000	.000	.000	.000	-1.361
VEL-S	3.521	1.795	.000	.000	.000	.000	.000	.000	.000	2.434
VEL-W	.963	.639	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	1.884	1.192	.112	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1145.884	1146.192	1146.112	1143.000	1142.000	1143.000	1142.000	1142.000	1142.000	1140.000
VEL-N	-4.247	-3.521	-1.795	.000	.000	.000	.000	.000	.000	.000
VEL-E	-.639	.211	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	4.111	2.272	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.361	.639	-.211	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.269	1.250	.227	.001	.000	.000	.004	.242	.005	.000
ELEVATION	1135.269	1138.250	1139.227	1139.001	1132.000	1131.000	1128.004	1127.242	1131.005	1129.000
VEL-N	-2.434	-4.111	-2.272	.000	.000	.000	-.715	-2.912	-.704	.000
VEL-E	-1.528	-.387	.110	.000	.000	.000	.000	.000	.000	.000
VEL-S	.715	2.912	.704	.000	.000	.000	.000	.513	.000	.000
VEL-W	.000	1.528	.387	-.110	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.003	.000	.000	.000	.000	.000	.000
ELEVATION	1120.000	1119.000	1118.000	1123.003	1123.000	1122.000	1111.000	1110.000	1115.000	1116.000
VEL-N	.000	.000	.000	-.513	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 9.00 (SECONDS) = .324E+05 (TOTAL TIMESTEP NUMBER) = 1.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO .00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.226	.253	1.273	.099	.446	.279	.184	.198	.099	.352
ELEVATION	1217.226	1217.253	1217.273	1215.099	1213.446	1214.279	1216.184	1217.198	1208.099	1207.352
VEL-N	.000	.000	.000	.000	-.805	-.771	-.419	-.249	.000	-1.492
VEL-E	-.072	.000	.000	.000	-.434	-.498	-.373	.000	.000	.506
VEL-S	.805	.771	.249	.000	1.492	1.326	1.082	1.134	.000	1.857
VEL-W	.000	.072	.000	.000	.000	.434	.498	.373	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.523	.194	.411	.232	.100	1.176	.449	.445	.424	.643
ELEVATION	1206.523	1207.194	1206.411	1208.232	1201.100	1196.176	1198.449	1198.445	1199.424	1198.643
VEL-N	-1.326	-1.082	-1.128	-1.134	.000	-1.857	-1.958	-1.107	-1.628	-1.716
VEL-E	-.306	.331	-.568	.000	.000	-.984	.000	-.622	.555	-.633
VEL-S	1.958	1.107	1.628	1.081	.000	1.953	1.801	1.713	1.328	2.283
VEL-W	-.506	.306	-.331	.568	.000	.000	.984	.000	.622	-.555

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.211	.099	.613	.844	.487	.240	1.070	.264	.226	.124
ELEVATION	1201.211	1193.099	1192.613	1190.844	1191.487	1193.240	1191.070	1192.264	1193.226	1185.124
VEL-N	-1.081	.000	-1.953	-1.801	-1.713	-1.328	-2.283	-1.182	-1.117	.000
VEL-E	.000	.000	1.069	-.552	-.569	.632	-.499	-.406	.000	.312
VEL-S	1.117	.000	2.378	2.628	1.923	1.285	2.610	1.415	1.240	.788
VEL-W	.633	.000	.000	-1.069	.552	.569	-.632	.499	.406	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.868	.721	.313	.164	.723	.719	.232	.140	1.202	.382
ELEVATION	1183.868	1183.721	1184.313	1186.164	1184.723	1182.719	1184.232	1177.140	1176.202	1176.382
VEL-N	-2.628	-1.923	-1.285	-1.020	-2.610	-1.415	-1.240	-.788	-2.457	-1.445
VEL-E	.367	-.393	-.454	.400	1.268	-.516	.000	.290	-.246	-.342
VEL-S	2.805	2.457	1.445	1.000	2.667	2.490	1.257	.991	2.919	1.750
VEL-W	-.312	-.367	.393	.454	-.400	-1.268	.516	.000	-.290	.246

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.199	.182	.701	.947	.271	1.279	.470	.216	.235	.245
ELEVATION	1177.198	1177.182	1175.701	1174.947	1175.271	1166.279	1167.470	1169.216	1169.235	1168.245
VEL-N	-1.000	-1.001	-2.667	-2.490	-1.257	-.991	-1.750	-1.071	-1.008	-1.069
VEL-E	.000	.435	.762	-.263	.000	-.735	-.529	-.059	.423	.492
VEL-S	1.071	1.069	2.596	3.016	1.370	.926	1.488	1.040	1.089	1.224
VEL-W	.342	.000	-.435	-.762	.263	.000	.735	.529	.059	-.423

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.962	1.045	.619	.413	.592	.478	.166	.216	.329	1.181
ELEVATION	1166.962	1167.045	1166.619	1165.412	1162.592	1162.478	1163.166	1162.216	1160.329	1160.181
VEL-N	-2.596	-3.016	-1.370	-.926	-1.488	-1.040	-.937	-1.089	-1.224	-2.824
VEL-E	-.321	.644	.000	1.034	.248	-.276	.325	.545	.200	-.767
VEL-S	2.824	2.643	1.951	1.510	2.050	1.404	.567	.684	1.468	3.282
VEL-W	-.492	.321	-.644	.000	-1.034	-.248	.276	-.325	-.545	-.200

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.813	.791	.249	.739	.249	.024	.034	.034	.644	1.204
ELEVATION	1160.813	1160.791	1157.249	1155.739	1156.249	1157.024	1156.034	1156.034	1152.644	1153.204
VEL-N	-2.643	-1.951	-1.510	-2.050	-1.404	-.567	-.684	-.684	-1.468	-3.282
VEL-E	.000	.000	.531	-.305	.000	.000	.000	.000	-.792	-.774
VEL-S	2.557	2.204	.786	2.354	.776	.000	.000	.000	2.302	3.508
VEL-W	.767	.000	.000	-.531	.305	.000	.000	.000	.000	.792

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.828	.635	.028	1.049	.024	.000	.000	.000	.000	.935
ELEVATION	1153.828	1154.635	1150.028	1149.049	1149.024	1150.000	1150.000	1148.000	1147.000	1144.935
VEL-N	-2.557	-2.204	-.786	-2.354	-.776	.000	.000	.000	.000	-2.302
VEL-E	-.739	.000	.000	.000	.000	.000	.000	.000	.000	-.877
VEL-S	2.740	2.317	.000	1.897	.000	.000	.000	.000	.000	3.089
VEL-W	.774	.739	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	1.431	1.021	.702	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1145.431	1146.021	1146.702	1143.000	1142.000	1143.000	1142.000	1142.000	1142.000	1140.000
VEL-N	-3.508	-2.740	-2.317	.000	.000	.000	.000	.000	.000	.000
VEL-E	-.867	-.729	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	3.545	2.596	2.310	.000	.000	.000	.000	.000	.000	.000
VEL-W	.877	.867	.729	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	1.487	1.135	.785	.697	.000	.000	1.310	2.171	.482	.249
ELEVATION	1136.487	1138.135	1139.785	1139.697	1132.000	1131.000	1129.310	1129.171	1131.482	1129.249
VEL-N	-3.089	-3.545	-2.596	-2.310	.000	.000	-3.728	-3.619	-2.359	-2.126
VEL-E	-1.551	-1.216	.294	.000	.000	.000	.504	-1.031	.834	.000
VEL-S	3.728	3.619	2.359	2.126	.000	.000	4.034	3.494	1.661	.727
VEL-W	.000	1.551	1.216	-.294	.000	.000	.000	-.504	1.031	-.834

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.154	2.222	1.165	.293	.013	.000	.016	.516	.533
ELEVATION	1120.000	1119.154	1120.222	1124.165	1123.293	1122.013	1111.000	1110.016	1115.516	1116.533
VEL-N	.000	.000	-4.034	-3.494	-1.661	-.727	.000	-.580	-2.894	-2.716
VEL-E	.000	-1.247	-2.445	.837	.342	.000	.000	-.987	-.697	.317
VEL-S	.000	.580	2.894	2.716	.834	.000	.000	.000	.890	.000
VEL-W	.000	.000	1.247	2.445	-.837	-.342	.000	.000	.987	.697

NODE	111	112	113	114	115	116	117	118
DEPTH	.022	.000	.000	.013	.000	.000	.000	.000
ELEVATION	1116.022	1111.000	1111.000	1111.013	1095.000	1097.000	1090.000	1091.000
VEL-N	-.834	.000	.000	-.890	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-.317	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 9.50 (SECONDS) = .342E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 2 IS EQUAL TO .00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.127	.143	1.155	.099	.268	.160	.109	.129	.099	.209
ELEVATION	1217.127	1217.143	1217.155	1215.099	1213.268	1214.160	1216.109	1217.129	1208.099	1207.209
VEL-N	.000	.000	.000	.000	-.551	-.525	-.284	-.136	.000	-1.054
VEL-E	.000	.000	.000	.000	-.310	-.354	-.271	.000	.000	.371
VEL-S	.551	.525	.136	.000	1.054	.919	.761	.849	.000	1.327
VEL-W	.000	.000	.000	.000	.000	.310	.354	.271	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.315	.113	.251	.146	.100	.756	.266	.270	.259	.398
ELEVATION	1206.315	1207.113	1206.251	1208.146	1201.100	1195.756	1198.266	1198.271	1199.259	1198.398
VEL-N	-.919	-.761	-.796	-.849	.000	-1.327	-1.385	-.772	-1.169	-1.239
VEL-E	-.232	.241	-.424	.000	.000	-.730	.000	-.449	.419	-.474
VEL-S	1.385	.772	1.169	.789	.000	1.405	1.281	1.229	.945	1.671
VEL-W	-.371	.232	-.241	.424	.000	.000	.730	.000	.449	-.419

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.131	.099	.383	.530	.295	.144	.686	.162	.141	.099
ELEVATION	1201.131	1193.099	1192.383	1190.530	1191.295	1193.144	1190.686	1192.162	1193.141	1185.099
VEL-N	-.789	.000	-1.405	-1.281	-1.229	-.945	-1.671	-.860	-.811	.000
VEL-E	.000	.000	.799	-.431	-.415	.479	-.401	-.299	.000	.000
VEL-S	.811	.000	1.744	1.923	1.382	.915	1.917	1.028	.905	.000
VEL-W	.474	.000	.000	-.799	.431	.415	-.479	.401	.299	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.552	.445	.190	.101	.461	.463	.146	.100	.807	.228
ELEVATION	1183.552	1183.445	1184.190	1186.101	1184.461	1182.463	1184.146	1177.100	1175.807	1176.228
VEL-N	-1.923	-1.382	-.915	-.728	-1.917	-1.028	-.905	.000	-1.792	-1.038
VEL-E	.230	-.317	-.333	.308	.939	-.401	.000	.000	-.269	-.262
VEL-S	2.083	1.792	1.038	.722	1.977	1.862	.926	.000	2.178	1.243
VEL-W	.000	-.230	.317	.333	-.308	-.939	.401	.000	.000	.269

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.124	.113	.450	.627	.170	.997	.292	.136	.138	.155
ELEVATION	1177.125	1177.113	1175.450	1174.627	1175.170	1165.997	1167.292	1169.136	1169.138	1168.155
VEL-N	-.722	-.723	-1.977	-1.862	-.926	.000	-1.243	-.783	-.734	-.778
VEL-E	.000	.335	.592	-.251	.000	-.557	-.399	.000	.295	.395
VEL-S	.783	.778	1.938	2.290	1.011	.700	1.084	.769	.784	.903
VEL-W	.262	.000	-.335	-.592	.251	.000	.557	.399	.000	-.295

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.636	.714	.402	.266	.402	.301	.146	.198	.234	.824
ELEVATION	1166.636	1166.714	1166.402	1165.266	1162.402	1162.301	1163.146	1162.198	1160.234	1159.824
VEL-N	-1.938	-2.290	-1.011	-.700	-1.084	-.769	-.728	-.784	-.903	-2.148
VEL-E	-.239	.422	.000	.779	.177	-.283	.300	.529	.268	-.659
VEL-S	2.148	2.051	1.467	1.299	1.583	1.223	.642	.795	1.175	2.578
VEL-W	-.395	.239	-.422	.000	-.779	-.177	.283	-.300	-.529	-.268

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.569	.550	.298	.586	.320	.083	.132	.115	.457	.867
ELEVATION	1160.569	1160.550	1157.298	1155.586	1156.320	1157.083	1156.132	1156.115	1152.457	1152.867
VEL-N	-2.051	-1.467	-1.299	-1.583	-1.223	-.642	-.820	-.795	-1.175	-2.578
VEL-E	.107	.000	.648	-.446	.000	.000	.000	.499	-.542	-.647
VEL-S	2.021	1.703	1.137	1.967	1.304	.000	.532	.518	1.841	2.825
VEL-W	.659	-.107	.000	-.648	.446	.000	.000	.000	-.499	.542

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.576	.424	.180	1.194	.271	.000	.000	.009	.008	.659
ELEVATION	1153.576	1154.424	1150.180	1149.194	1149.271	1150.000	1150.000	1148.009	1147.008	1144.659
VEL-N	-2.021	-1.703	-1.137	-1.967	-1.304	.000	.000	-.532	-.518	-1.841
VEL-E	-.577	.000	.347	-.124	.000	.000	.000	.000	.000	-.634
VEL-S	2.161	1.773	.627	2.149	.857	.000	.000	.000	.000	2.460
VEL-W	.647	.577	.000	-.347	.124	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	1.057	.690	.423	.018	.043	.000	.000	.000	.000	.000
ELEVATION	1145.057	1145.690	1146.423	1143.018	1142.043	1143.000	1142.000	1142.000	1142.000	1140.000
VEL-N	-2.825	-2.161	-1.773	-.627	-.857	.000	.000	.000	.000	.000
VEL-E	-.690	-.536	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.877	2.012	1.651	.000	.000	.000	.000	.000	.000	.000
VEL-W	.634	.690	.536	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	1.106	.835	.559	.479	.000	.000	.925	1.725	.320	.716
ELEVATION	1136.106	1137.835	1139.559	1139.479	1132.000	1131.000	1128.925	1128.725	1131.320	1129.716
VEL-N	-2.460	-2.877	-2.012	-1.651	.000	.000	-3.009	-2.973	-1.846	-2.126
VEL-E	-1.295	-.991	.204	.000	.000	.000	.470	-.837	.658	.000
VEL-S	3.009	2.973	1.846	2.126	.000	.000	3.191	2.885	1.459	2.268
VEL-W	.000	1.295	.991	-.204	.000	.000	.000	-.470	.837	-.658

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.496	1.780	.810	.454	1.270	.604	2.412	1.281	1.243
ELEVATION	1120.000	1119.496	1119.780	1123.810	1123.454	1123.270	1111.604	1112.412	1116.281	1117.243
VEL-N	.000	.000	-3.191	-2.885	-1.459	-2.268	.000	-1.854	-2.759	-2.474
VEL-E	.000	-.650	-1.937	.489	.302	.000	-1.319	-2.577	-1.255	.429
VEL-S	.000	1.854	2.759	2.474	1.651	.000	.369	1.291	2.463	.000
VEL-W	.000	.000	.650	1.937	-.489	-.302	.000	1.319	2.577	1.255

NODE	111	112	113	114	115	116	117	118
DEPTH	1.143	.029	.648	.892	.214	.865	.003	.125
ELEVATION	1117.143	1111.029	1111.648	1111.892	1095.214	1097.865	1090.003	1091.125
VEL-N	-1.651	-.369	-1.291	-2.463	-2.479	-3.791	-.530	-1.747
VEL-E	.000	-.409	-.489	.000	-1.155	.000	-.173	.000
VEL-S	.000	.000	2.479	3.791	.530	1.747	.000	.000
VEL-W	-.429	.000	.409	.489	.000	1.155	.000	.173

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	1.798	3.183	3.581	.203	2.272	2.062	1.557	1.285	.372	1.487
TIME	7.521	7.421	7.479	7.679	7.562	7.504	7.479	7.462	7.862	7.646

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	2.352	1.336	2.131	1.256	.143	3.207	1.741	1.785	1.719	2.380
TIME	7.571	7.579	7.596	7.604	8.179	7.696	7.621	7.521	7.587	7.671

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.935	.309	1.597	2.420	1.830	1.024	2.902	.911	.735	.350
TIME	7.812	8.087	7.762	7.604	7.612	7.662	7.871	7.921	8.054	7.854

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	2.557	2.305	1.281	.595	2.352	1.757	.408	.451	2.537	1.464
TIME	7.712	7.737	7.812	7.896	7.679	7.829	8.321	8.046	7.946	7.996

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.520	.468	2.106	2.181	.532	1.424	1.327	.311	.332	.311
TIME	8.179	8.229	7.787	7.921	8.296	8.621	8.196	8.504	8.612	8.629

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	2.024	2.146	1.098	.435	.956	.487	.169	.230	.512	2.188
TIME	8.029	8.029	8.271	8.854	8.446	8.912	9.121	9.162	8.337	8.154

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	1.590	1.286	.323	.929	.349	.083	.132	.115	.961	2.021
TIME	8.204	8.421	9.312	8.754	9.321	9.504	9.504	9.504	8.462	8.296

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	1.335	.955	.180	1.200	.271	.000	.000	.009	.008	1.276
TIME	8.379	8.662	9.504	9.421	9.504	9.504	9.504	9.504	9.504	8.596

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	1.916	1.297	.798	.018	.043	.000	.000	.000	.000	.000
TIME	8.462	8.596	8.879	9.504	9.504	9.504	9.504	9.504	9.504	9.504

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	1.937	1.543	.859	.745	.000	.000	1.530	2.216	.482	.878
TIME	8.754	8.596	8.837	9.062	9.504	9.504	8.887	8.937	9.012	9.304

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.567	2.372	1.165	.581	1.270	.604	2.412	1.676	1.284
TIME	9.504	9.237	9.071	9.012	9.229	9.504	9.504	9.504	9.221	9.321

NODE	111	112	113	114	115	116	117	118
DEPTH	1.143	.029	.648	.992	.214	.865	.003	.125
TIME	9.504	9.504	9.504	9.404	9.504	9.504	9.504	9.504

APPENDIX D

(The 19th Ave. Underpass DHM Model)

*** DIFFUSION ROUTING ***

MIN. TIMESTEP(SEC.) = 1.00
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = 1.00
DECREASED TIMESTEP INTERVAL (SEC.) = 1.00
TOTAL SIMULATION(HOUR) = 11.00
UPDATE INTERVAL(TIMESTEPS) = 0
OUTPUT INTERVAL(HOUR) = .50
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 4
UNIFORM GRID SIDE(FEET) = 2000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 0
RETENTION WATER DEPTH(FEET) = .1000
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = .5000
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	0	0	2	0	.0220	1054.0	.0
2	1	0	3	0	.0220	1050.0	.0
3	2	0	4	0	.0220	1045.0	.0
4	3	0	0	0	.0220	1025.0	.0

INFLOW HYDROGRAPH AT NODE # 1

HOUR	CFS
.0	0.
10.5	4406.
11.0	2833.
11.5	1942.
12.0	1296.
12.5	0.
14.0	0.

MODEL TIME(HOURS) = .50 (SECONDS) = .181E+04 (TOTAL TIMESTEP NUMBER) = 7.5E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 211.56

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.049	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1054.049	1050.000	1045.000	1025.000	.000	.000	.000	.000	.000	.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 24.20

MODEL TIME(HOURS) = 1.00 (SECONDS) = .361E+04 (TOTAL TIMESTEP NUMBER) = 1.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 421.37

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.173	.019	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1054.173	1050.019	1045.000	1025.000	.000	.000	.000	.000	.000	.000
VEL-N	.000	-.637	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.637	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.50 (SECONDS) = .541E+04 (TOTAL TIMESTEP NUMBER) = 2.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 631.18

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.289	.134	.006	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1054.289	1050.135	1045.006	1025.000	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.087	-.571	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.087	.571	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.00 (SECONDS) = .721E+04 (TOTAL TIMESTEP NUMBER) = 2.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 840.99

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.312	.323	.121	.005	.000	.000	.000	.000	.000	.000
ELEVATION	1054.312	1050.323	1045.121	1025.005	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.389	-1.253	-1.048	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.389	1.253	1.048	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.50 (SECONDS) = .902E+04 (TOTAL TIMESTEP NUMBER) = 3.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 1050.80

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.335	.364	.223	.266	.000	.000	.000	.000	.000	.000
ELEVATION	1054.334	1050.365	1045.223	1025.266	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.448	-1.514	-2.492	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.448	1.514	2.492	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 3.00 (SECONDS) = .108E+05 (TOTAL TIMESTEP NUMBER) = 3.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 1260.61

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.375	.429	.207	.698	.000	.000	.000	.000	.000	.000
ELEVATION	1054.375	1050.429	1045.207	1025.698	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.559	-1.604	-2.330	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.559	1.604	2.330	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 3.50 (SECONDS) = .126E+05 (TOTAL TIMESTEP NUMBER) = 4.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 1470.42

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.416	.487	.238	1.183	.000	.000	.000	.000	.000	.000
ELEVATION	1054.416	1050.487	1045.238	1026.183	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.666	-1.757	-2.528	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.666	1.757	2.528	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 4.00 (SECONDS) = .144E+05 (TOTAL TIMESTEP NUMBER) = 5.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 1680.24

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.454	.533	.268	1.779	.000	.000	.000	.000	.000	.000
ELEVATION	1054.454	1050.533	1045.268	1026.779	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.764	-1.880	-2.695	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.764	1.880	2.695	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 4.50 (SECONDS) = .162E+05 (TOTAL TIMESTEP NUMBER) = 5.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 1890.04

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.489	.574	.295	2.479	.000	.000	.000	.000	.000	.000
ELEVATION	1054.489	1050.574	1045.295	1027.479	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.854	-1.989	-2.824	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.854	1.989	2.824	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 5.00 (SECONDS) = .180E+05 (TOTAL TIMESTEP NUMBER) = 6.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 2099.85

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.523	.611	.322	3.280	.000	.000	.000	.000	.000	.000
ELEVATION	1054.523	1050.611	1045.323	1028.280	.000	.000	.000	.000	.000	.000
VEL-N	.000	-1.938	-2.088	-2.929	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	1.938	2.088	2.929	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 5.50 (SECONDS) = .198E+05 (TOTAL TIMESTEP NUMBER) = 6.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 2309.65

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.556	.645	.350	4.179	.000	.000	.000	.000	.000	.000
ELEVATION	1054.556	1050.645	1045.350	1029.179	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.017	-2.180	-3.013	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.017	2.180	3.013	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 6.00 (SECONDS) = .216E+05 (TOTAL TIMESTEP NUMBER) = 7.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 2519.46

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.587	.676	.378	5.176	.000	.000	.000	.000	.000	.000
ELEVATION	1054.587	1050.676	1045.378	1030.176	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.092	-2.266	-3.077	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.092	2.266	3.077	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 6.50 (SECONDS) = .234E+05 (TOTAL TIMESTEP NUMBER) = 8.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 2729.27

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.616	.704	.407	6.271	.000	.000	.000	.000	.000	.000
ELEVATION	1054.616	1050.704	1045.407	1031.271	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.163	-2.347	-3.120	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.163	2.347	3.120	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 7.00 (SECONDS) = .252E+05 (TOTAL TIMESTEP NUMBER) = 8.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 2939.07

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.645	.728	.439	7.462	.000	.000	.000	.000	.000	.000
ELEVATION	1054.645	1050.728	1045.439	1032.462	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.231	-2.424	-3.141	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.231	2.424	3.141	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 7.50 (SECONDS) = .270E+05 (TOTAL TIMESTEP NUMBER) = 9.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 3148.88

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.673	.749	.473	8.750	.000	.000	.000	.000	.000	.000
ELEVATION	1054.673	1050.749	1045.473	1033.750	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.296	-2.496	-3.139	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.296	2.496	3.139	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 8.00 (SECONDS) = .288E+05 (TOTAL TIMESTEP NUMBER) = 9.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 3358.69

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.700	.765	.512	10.134	.000	.000	.000	.000	.000	.000
ELEVATION	1054.700	1050.765	1045.511	1035.134	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.360	-2.564	-3.112	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.360	2.564	3.112	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 8.50 (SECONDS) = .306E+05 (TOTAL TIMESTEP NUMBER) = 1.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 3568.49

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.725	.775	.556	11.613	.000	.000	.000	.000	.000	.000
ELEVATION	1054.725	1050.775	1045.556	1036.613	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.422	-2.629	-3.054	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.422	2.629	3.054	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 9.00 (SECONDS) = .324E+05 (TOTAL TIMESTEP NUMBER) = 1.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 3778.30

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.750	.778	.609	13.186	.000	.000	.000	.000	.000	.000
ELEVATION	1054.750	1050.778	1045.609	1038.186	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.484	-2.689	-2.958	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.484	2.689	2.958	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 9.50 (SECONDS) = .342E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 3988.10

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.774	.770	.677	14.851	.000	.000	.000	.000	.000	.000
ELEVATION	1054.774	1050.770	1045.677	1039.851	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.543	-2.746	-2.812	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.543	2.746	2.812	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 10.00 (SECONDS) = .360E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 4197.91

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.828	.737	.758	16.591	.000	.000	.000	.000	.000	.000
ELEVATION	1054.828	1050.737	1045.758	1041.591	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.592	-2.751	-2.569	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.592	2.751	2.569	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 10.50 (SECONDS) = .378E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 4393.12

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.866	.767	.882	18.336	.000	.000	.000	.000	.000	.000
ELEVATION	1054.866	1050.767	1045.882	1043.336	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.671	-2.796	-2.222	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.671	2.796	2.222	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) - 11.00 (SECONDS) - .396E+05 (TOTAL TIMESTEP NUMBER) - 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 1 IS EQUAL TO 2825.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.693	.704	1.048	20.023	.000	.000	.000	.000	.000	.000
ELEVATION	1054.693	1050.704	1046.048	1045.023	.000	.000	.000	.000	.000	.000
VEL-N	.000	-2.371	-2.585	-1.593	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	2.371	2.585	1.593	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) - 30.00 MAX. TIMESTEP(SEC.) - 30.00 MEAN TIMESTEP(SEC.) - 30.00

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.866	.778	1.048	20.023	.000	.000	.000	.000	.000	.000
TIME	10.512	8.921	11.004	11.004	.000	.000	.000	.000	.000	.000