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

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.92-HR
1.	24.25	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.92-HR
2.36	24.92	2.27	1.77	1.76	1.76

CUMULATIVE AREA = .03 SQ MI

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 90 KK    *     RT1B  *
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ROUTE RUNOFF FROM BASIN 1B THROUGH BASIN 1 (ALONG HW 101)

HYDROGRAPH ROUTING DATA

92 RS	STORAGE ROUTING		
	NSTPS	1	NUMBER OF SUBREACHES
	ITYP	STOR	TYPE OF INITIAL CONDITION
	RSVRIC	-1.00	INITIAL CONDITION
	X	.00	WORKING R AND D COEFFICIENT
93 RC	NORMAL DEPTH CHANNEL		
	ANL	.020	LEFT OVERBANK N-VALUE
	ANCH	.020	MAIN CHANNEL N-VALUE
	ANR	.020	RIGHT OVERBANK N-VALUE
	RLNTH	1250.	REACH LENGTH
	SEL	.0000	ENERGY SLOPE
	ELMAX	.0	MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

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

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.02	.03	.04	.06	.07	.09	.11	.13
OUTFLOW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELEVATION	1.00	1.05	1.11	1.16	1.21	1.26	1.32	1.37	1.42	1.47
STORAGE	.16	.18	.21	.23	.26	.29	.32	.36	.39	.43

OUTFLOW	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELEVATION	1.53	1.58	1.63	1.68	1.74	1.79	1.84	1.89	1.95	2.00

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HYDROGRAPH AT STATION RT1B

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.4	2.0	*	1 JAN 2020	101	0.	.4	2.0	*	2 JAN 0440	201	0.	.4	2.0
1 JAN 1205	2	0.	.4	2.0	*	1 JAN 2025	102	0.	.4	2.0	*	2 JAN 0445	202	0.	.4	2.0
1 JAN 1210	3	0.	.4	2.0	*	1 JAN 2030	103	0.	.4	2.0	*	2 JAN 0450	203	0.	.4	2.0
1 JAN 1215	4	0.	.4	2.0	*	1 JAN 2035	104	0.	.4	2.0	*	2 JAN 0455	204	0.	.4	2.0
1 JAN 1220	5	0.	.4	2.0	*	1 JAN 2040	105	0.	.4	2.0	*	2 JAN 0500	205	0.	.4	2.0
1 JAN 1225	6	0.	.4	2.0	*	1 JAN 2045	106	0.	.4	2.0	*	2 JAN 0505	206	0.	.4	2.0
1 JAN 1230	7	0.	.4	2.0	*	1 JAN 2050	107	0.	.4	2.0	*	2 JAN 0510	207	0.	.4	2.0
1 JAN 1235	8	0.	.4	2.0	*	1 JAN 2055	108	0.	.4	2.0	*	2 JAN 0515	208	0.	.4	2.0
1 JAN 1240	9	0.	.4	2.0	*	1 JAN 2100	109	0.	.4	2.0	*	2 JAN 0520	209	0.	.4	2.0
1 JAN 1245	10	0.	.4	2.0	*	1 JAN 2105	110	0.	.4	2.0	*	2 JAN 0525	210	0.	.4	2.0
1 JAN 1250	11	0.	.4	2.0	*	1 JAN 2110	111	0.	.4	2.0	*	2 JAN 0530	211	0.	.4	2.0
1 JAN 1255	12	0.	.4	2.0	*	1 JAN 2115	112	0.	.4	2.0	*	2 JAN 0535	212	0.	.4	2.0
1 JAN 1300	13	0.	.4	2.0	*	1 JAN 2120	113	0.	.4	2.0	*	2 JAN 0540	213	0.	.4	2.0
1 JAN 1305	14	0.	.4	2.0	*	1 JAN 2125	114	0.	.4	2.0	*	2 JAN 0545	214	0.	.4	2.0
1 JAN 1310	15	0.	.4	2.0	*	1 JAN 2130	115	0.	.4	2.0	*	2 JAN 0550	215	0.	.4	2.0
1 JAN 1315	16	0.	.4	2.0	*	1 JAN 2135	116	0.	.4	2.0	*	2 JAN 0555	216	0.	.4	2.0
1 JAN 1320	17	0.	.4	2.0	*	1 JAN 2140	117	0.	.4	2.0	*	2 JAN 0600	217	0.	.4	2.0
1 JAN 1325	18	0.	.4	2.0	*	1 JAN 2145	118	0.	.4	2.0	*	2 JAN 0605	218	0.	.4	2.0
1 JAN 1330	19	0.	.4	2.0	*	1 JAN 2150	119	0.	.4	2.0	*	2 JAN 0610	219	0.	.4	2.0
1 JAN 1335	20	0.	.4	2.0	*	1 JAN 2155	120	0.	.4	2.0	*	2 JAN 0615	220	0.	.4	2.0
1 JAN 1340	21	0.	.4	2.0	*	1 JAN 2200	121	0.	.4	2.0	*	2 JAN 0620	221	0.	.4	2.0
1 JAN 1345	22	0.	.4	2.0	*	1 JAN 2205	122	0.	.4	2.0	*	2 JAN 0625	222	0.	.4	2.0
1 JAN 1350	23	0.	.4	2.0	*	1 JAN 2210	123	0.	.4	2.0	*	2 JAN 0630	223	0.	.4	2.0
1 JAN 1355	24	0.	.4	2.0	*	1 JAN 2215	124	0.	.4	2.0	*	2 JAN 0635	224	0.	.4	2.0
1 JAN 1400	25	0.	.4	2.0	*	1 JAN 2220	125	0.	.4	2.0	*	2 JAN 0640	225	0.	.4	2.0
1 JAN 1405	26	0.	.4	2.0	*	1 JAN 2225	126	0.	.4	2.0	*	2 JAN 0645	226	0.	.4	2.0
1 JAN 1410	27	0.	.4	2.0	*	1 JAN 2230	127	0.	.4	2.0	*	2 JAN 0650	227	0.	.4	2.0
1 JAN 1415	28	0.	.4	2.0	*	1 JAN 2235	128	0.	.4	2.0	*	2 JAN 0655	228	0.	.4	2.0
1 JAN 1420	29	0.	.4	2.0	*	1 JAN 2240	129	0.	.4	2.0	*	2 JAN 0700	229	0.	.4	2.0
1 JAN 1425	30	0.	.4	2.0	*	1 JAN 2245	130	0.	.4	2.0	*	2 JAN 0705	230	0.	.4	2.0
1 JAN 1430	31	0.	.4	2.0	*	1 JAN 2250	131	0.	.4	2.0	*	2 JAN 0710	231	0.	.4	2.0
1 JAN 1435	32	0.	.4	2.0	*	1 JAN 2255	132	0.	.4	2.0	*	2 JAN 0715	232	0.	.4	2.0
1 JAN 1440	33	0.	.4	2.0	*	1 JAN 2300	133	0.	.4	2.0	*	2 JAN 0720	233	0.	.4	2.0
1 JAN 1445	34	0.	.4	2.0	*	1 JAN 2305	134	0.	.4	2.0	*	2 JAN 0725	234	0.	.4	2.0
1 JAN 1450	35	0.	.4	2.0	*	1 JAN 2310	135	0.	.4	2.0	*	2 JAN 0730	235	0.	.4	2.0
1 JAN 1455	36	0.	.4	2.0	*	1 JAN 2315	136	0.	.4	2.0	*	2 JAN 0735	236	0.	.4	2.0
1 JAN 1500	37	0.	.4	2.0	*	1 JAN 2320	137	0.	.4	2.0	*	2 JAN 0740	237	0.	.4	2.0
1 JAN 1505	38	0.	.4	2.0	*	1 JAN 2325	138	0.	.4	2.0	*	2 JAN 0745	238	0.	.4	2.0
1 JAN 1510	39	0.	.4	2.0	*	1 JAN 2330	139	0.	.4	2.0	*	2 JAN 0750	239	0.	.4	2.0
1 JAN 1515	40	0.	.4	2.0	*	1 JAN 2335	140	0.	.4	2.0	*	2 JAN 0755	240	0.	.4	2.0
1 JAN 1520	41	0.	.4	2.0	*	1 JAN 2340	141	0.	.4	2.0	*	2 JAN 0800	241	0.	.4	2.0
1 JAN 1525	42	0.	.4	2.0	*	1 JAN 2345	142	0.	.4	2.0	*	2 JAN 0805	242	0.	.4	2.0
1 JAN 1530	43	0.	.4	2.0	*	1 JAN 2350	143	0.	.4	2.0	*	2 JAN 0810	243	0.	.4	2.0
1 JAN 1535	44	0.	.4	2.0	*	1 JAN 2355	144	0.	.4	2.0	*	2 JAN 0815	244	0.	.4	2.0
1 JAN 1540	45	0.	.4	2.0	*	2 JAN 0000	145	0.	.4	2.0	*	2 JAN 0820	245	0.	.4	2.0
1 JAN 1545	46	0.	.4	2.0	*	2 JAN 0005	146	0.	.4	2.0	*	2 JAN 0825	246	0.	.4	2.0
1 JAN 1550	47	0.	.4	2.0	*	2 JAN 0010	147	0.	.4	2.0	*	2 JAN 0830	247	0.	.4	2.0
1 JAN 1555	48	0.	.4	2.0	*	2 JAN 0015	148	0.	.4	2.0	*	2 JAN 0835	248	0.	.4	2.0

1 JAN	1600	49	0.	.4	2.0	*	2 JAN	0020	149	0.	.4	2.0	*	2 JAN	0840	249	0.	.4	2.0
1 JAN	1605	50	0.	.4	2.0	*	2 JAN	0025	150	0.	.4	2.0	*	2 JAN	0845	250	0.	.4	2.0
1 JAN	1610	51	0.	.4	2.0	*	2 JAN	0030	151	0.	.4	2.0	*	2 JAN	0850	251	0.	.4	2.0
1 JAN	1615	52	0.	.4	2.0	*	2 JAN	0035	152	0.	.4	2.0	*	2 JAN	0855	252	0.	.4	2.0
1 JAN	1620	53	0.	.4	2.0	*	2 JAN	0040	153	0.	.4	2.0	*	2 JAN	0900	253	0.	.4	2.0
1 JAN	1625	54	0.	.4	2.0	*	2 JAN	0045	154	0.	.4	2.0	*	2 JAN	0905	254	0.	.4	2.0
1 JAN	1630	55	0.	.4	2.0	*	2 JAN	0050	155	0.	.4	2.0	*	2 JAN	0910	255	0.	.4	2.0
1 JAN	1635	56	0.	.4	2.0	*	2 JAN	0055	156	0.	.4	2.0	*	2 JAN	0915	256	0.	.4	2.0
1 JAN	1640	57	0.	.4	2.0	*	2 JAN	0100	157	0.	.4	2.0	*	2 JAN	0920	257	0.	.4	2.0
1 JAN	1645	58	0.	.4	2.0	*	2 JAN	0105	158	0.	.4	2.0	*	2 JAN	0925	258	0.	.4	2.0
1 JAN	1650	59	0.	.4	2.0	*	2 JAN	0110	159	0.	.4	2.0	*	2 JAN	0930	259	0.	.4	2.0
1 JAN	1655	60	0.	.4	2.0	*	2 JAN	0115	160	0.	.4	2.0	*	2 JAN	0935	260	0.	.4	2.0
1 JAN	1700	61	0.	.4	2.0	*	2 JAN	0120	161	0.	.4	2.0	*	2 JAN	0940	261	0.	.4	2.0
1 JAN	1705	62	0.	.4	2.0	*	2 JAN	0125	162	0.	.4	2.0	*	2 JAN	0945	262	0.	.4	2.0
1 JAN	1710	63	0.	.4	2.0	*	2 JAN	0130	163	0.	.4	2.0	*	2 JAN	0950	263	0.	.4	2.0
1 JAN	1715	64	0.	.4	2.0	*	2 JAN	0135	164	0.	.4	2.0	*	2 JAN	0955	264	0.	.4	2.0
1 JAN	1720	65	0.	.4	2.0	*	2 JAN	0140	165	0.	.4	2.0	*	2 JAN	1000	265	0.	.4	2.0
1 JAN	1725	66	0.	.4	2.0	*	2 JAN	0145	166	0.	.4	2.0	*	2 JAN	1005	266	0.	.4	2.0
1 JAN	1730	67	0.	.4	2.0	*	2 JAN	0150	167	0.	.4	2.0	*	2 JAN	1010	267	0.	.4	2.0
1 JAN	1735	68	0.	.4	2.0	*	2 JAN	0155	168	0.	.4	2.0	*	2 JAN	1015	268	0.	.4	2.0
1 JAN	1740	69	0.	.4	2.0	*	2 JAN	0200	169	0.	.4	2.0	*	2 JAN	1020	269	0.	.4	2.0
1 JAN	1745	70	0.	.4	2.0	*	2 JAN	0205	170	0.	.4	2.0	*	2 JAN	1025	270	0.	.4	2.0
1 JAN	1750	71	0.	.4	2.0	*	2 JAN	0210	171	0.	.4	2.0	*	2 JAN	1030	271	0.	.4	2.0
1 JAN	1755	72	0.	.4	2.0	*	2 JAN	0215	172	0.	.4	2.0	*	2 JAN	1035	272	0.	.4	2.0
1 JAN	1800	73	0.	.4	2.0	*	2 JAN	0220	173	0.	.4	2.0	*	2 JAN	1040	273	0.	.4	2.0
1 JAN	1805	74	0.	.4	2.0	*	2 JAN	0225	174	0.	.4	2.0	*	2 JAN	1045	274	0.	.4	2.0
1 JAN	1810	75	0.	.4	2.0	*	2 JAN	0230	175	0.	.4	2.0	*	2 JAN	1050	275	0.	.4	2.0
1 JAN	1815	76	0.	.4	2.0	*	2 JAN	0235	176	0.	.4	2.0	*	2 JAN	1055	276	0.	.4	2.0
1 JAN	1820	77	0.	.4	2.0	*	2 JAN	0240	177	0.	.4	2.0	*	2 JAN	1100	277	0.	.4	2.0
1 JAN	1825	78	0.	.4	2.0	*	2 JAN	0245	178	0.	.4	2.0	*	2 JAN	1105	278	0.	.4	2.0
1 JAN	1830	79	0.	.4	2.0	*	2 JAN	0250	179	0.	.4	2.0	*	2 JAN	1110	279	0.	.4	2.0
1 JAN	1835	80	0.	.4	2.0	*	2 JAN	0255	180	0.	.4	2.0	*	2 JAN	1115	280	0.	.4	2.0
1 JAN	1840	81	0.	.4	2.0	*	2 JAN	0300	181	0.	.4	2.0	*	2 JAN	1120	281	0.	.4	2.0
1 JAN	1845	82	0.	.4	2.0	*	2 JAN	0305	182	0.	.4	2.0	*	2 JAN	1125	282	0.	.4	2.0
1 JAN	1850	83	0.	.4	2.0	*	2 JAN	0310	183	0.	.4	2.0	*	2 JAN	1130	283	0.	.4	2.0
1 JAN	1855	84	0.	.4	2.0	*	2 JAN	0315	184	0.	.4	2.0	*	2 JAN	1135	284	0.	.4	2.0
1 JAN	1900	85	0.	.4	2.0	*	2 JAN	0320	185	0.	.4	2.0	*	2 JAN	1140	285	0.	.4	2.0
1 JAN	1905	86	0.	.4	2.0	*	2 JAN	0325	186	0.	.4	2.0	*	2 JAN	1145	286	0.	.4	2.0
1 JAN	1910	87	0.	.4	2.0	*	2 JAN	0330	187	0.	.4	2.0	*	2 JAN	1150	287	0.	.4	2.0
1 JAN	1915	88	0.	.4	2.0	*	2 JAN	0335	188	0.	.4	2.0	*	2 JAN	1155	288	0.	.4	2.0
1 JAN	1920	89	0.	.4	2.0	*	2 JAN	0340	189	0.	.4	2.0	*	2 JAN	1200	289	0.	.4	2.0
1 JAN	1925	90	0.	.4	2.0	*	2 JAN	0345	190	0.	.4	2.0	*	2 JAN	1205	290	0.	.4	2.0
1 JAN	1930	91	0.	.4	2.0	*	2 JAN	0350	191	0.	.4	2.0	*	2 JAN	1210	291	0.	.4	2.0
1 JAN	1935	92	0.	.4	2.0	*	2 JAN	0355	192	0.	.4	2.0	*	2 JAN	1215	292	0.	.4	2.0
1 JAN	1940	93	0.	.4	2.0	*	2 JAN	0400	193	0.	.4	2.0	*	2 JAN	1220	293	0.	.4	2.0
1 JAN	1945	94	0.	.4	2.0	*	2 JAN	0405	194	0.	.4	2.0	*	2 JAN	1225	294	0.	.4	2.0
1 JAN	1950	95	0.	.4	2.0	*	2 JAN	0410	195	0.	.4	2.0	*	2 JAN	1230	295	0.	.4	2.0
1 JAN	1955	96	0.	.4	2.0	*	2 JAN	0415	196	0.	.4	2.0	*	2 JAN	1235	296	0.	.4	2.0
1 JAN	2000	97	0.	.4	2.0	*	2 JAN	0420	197	0.	.4	2.0	*	2 JAN	1240	297	0.	.4	2.0
1 JAN	2005	98	0.	.4	2.0	*	2 JAN	0425	198	0.	.4	2.0	*	2 JAN	1245	298	0.	.4	2.0
1 JAN	2010	99	0.	.4	2.0	*	2 JAN	0430	199	0.	.4	2.0	*	2 JAN	1250	299	0.	.4	2.0
1 JAN	2015	100	0.	.4	2.0	*	2 JAN	0435	200	0.	.4	2.0	*	2 JAN	1255	300	0.	.4	2.0
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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
0.	.00	(CFS)	0.	0.	0.	0.
		(INCHES)	.000	.000	.000	.000
		(AC-FT)	0.	0.	0.	0.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.92-HR
0.	.00	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.92-HR
2.00	.00	2.00	2.00	2.00	2.00

CUMULATIVE AREA = .03 SQ MI

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 96 KK      *         1 *
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SUBBASIN RUNOFF DATA

97 BA SUBBASIN CHARACTERISTICS

TAREA .09 SUBBASIN AREA

PRECIPITATION DATA

40 PB STORM 2.49 BASIN TOTAL PRECIPITATION

40 PI INCREMENTAL PRECIPITATION PATTERN

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

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

98 LS SCS LOSS RATE

STRTL	1.28	INITIAL ABSTRACTION
CRVNBR	61.00	CURVE NUMBER
RTIMP	.00	PERCENT IMPERVIOUS AREA

99 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	.28	LAG

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

UNIT HYDROGRAPH

19 END-OF-PERIOD ORDINATES

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

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HYDROGRAPH AT STATION 1

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

1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.05	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.07	.00	0.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.09	.00	0.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.31	.04	1.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.05	.01	3.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	6.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	7.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.00	7.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.00	6.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.02	.00	5.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	4.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	4.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	3.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	3.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	3.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	2.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	2.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	2.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	2.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	2.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	2.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	2.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	2.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.01	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.01	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.01	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.

1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	1.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	1.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	1.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	1.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	1.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	1.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	1.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	1.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	1.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	1.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	1.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	1.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	1.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	1.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	1.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	1.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	1.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	1.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	1.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	1.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	1.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	1.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	1.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	1.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	1.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	1.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	1.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	1.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	1.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	1.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	1.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	1.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.
						*						

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

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

CUMULATIVE AREA = .09 SQ MI

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          *            *
100 KK    *     1_1A   *
          *            *
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COMBINE BASINS 1A, 1B AND BASIN 1

102 HC HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION 1_1A

SUM OF 3 HYDROGRAPHS

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

1 JAN 1350	23	0.	*	1 JAN 2005	98	0.	*	2 JAN 0220	173	0.	*	2 JAN 0835	248	1.
1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	1.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	1.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	1.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	1.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	0.	*	2 JAN 0900	253	1.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	0.	*	2 JAN 0905	254	1.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	0.	*	2 JAN 0910	255	1.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	0.	*	2 JAN 0915	256	1.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	0.	*	2 JAN 0920	257	1.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	0.	*	2 JAN 0925	258	1.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	0.	*	2 JAN 0930	259	1.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	0.	*	2 JAN 0935	260	1.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	0.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	0.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	0.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	0.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	0.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	0.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	0.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	1.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	3.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	6.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	7.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	7.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	6.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	5.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	5.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	4.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	4.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	3.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	3.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	3.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	3.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	2.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	2.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	2.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	2.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	2.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	2.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	2.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	2.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	2.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	2.	*	2 JAN 1210	291	0.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	2.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	2.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	2.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	1.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	1.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	1.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	1.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	1.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	1.	*	2 JAN 1255	300	0.
			*				*				*			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
7.	16.33	(CFS)	2.	1.	0.	0.
		(INCHES)	.127	.147	.147	.147

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                    (AC-FT)        1.          1.          1.          1.

                    CUMULATIVE AREA =      .13 SQ MI


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


          **************
          *            *
103 KK    *      RT1   *
          *            *
          **************
                    ROUTE FROM RUNOFF FROM BASIN 1 AND 1A THROUGH BASIN 2 (ALONG HW 101)

             HYDROGRAPH ROUTING DATA

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

106 RC          NORMAL DEPTH CHANNEL
                       ANL        .020  LEFT OVERBANK N-VALUE
                      ANCH        .020  MAIN CHANNEL N-VALUE
                       ANR        .020  RIGHT OVERBANK N-VALUE
                     RLNTH        500.  REACH LENGTH
                       SEL       .0000  ENERGY SLOPE
                     ELMAX          .0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
108 RY        ELEVATION     2.00      2.00      1.50      1.00      1.00      1.50      2.00      2.00
107 RX        DISTANCE       .00      5.00     10.00     15.00     20.00     25.00     30.00     35.00

                                                  ***

                                   COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00       .00       .01       .01       .02       .02       .03       .04       .04       .05
          OUTFLOW       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
        ELEVATION      1.00      1.05      1.11      1.16      1.21      1.26      1.32      1.37      1.42      1.47

          STORAGE       .06       .07       .08       .09       .10       .12       .13       .14       .16       .17
          OUTFLOW       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
        ELEVATION      1.53      1.58      1.63      1.68      1.74      1.79      1.84      1.89      1.95      2.00

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                                   HYDROGRAPH AT STATION      RT1

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                                          *                                         *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                          *                                         *
  1 JAN 1200  1       0.       .1     1.5 *  1 JAN 2020 101       0.       .1     1.5 *  2 JAN 0440 201       0.       .4     2.6
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1 JAN 1205	2	0.	.1	1.5	*	1 JAN 2025 102	0.	.1	1.5	*	2 JAN 0445 202	0.	.4	2.7
1 JAN 1210	3	0.	.1	1.5	*	1 JAN 2030 103	0.	.1	1.5	*	2 JAN 0450 203	0.	.4	2.8
1 JAN 1215	4	0.	.1	1.5	*	1 JAN 2035 104	0.	.1	1.5	*	2 JAN 0455 204	0.	.4	2.9
1 JAN 1220	5	0.	.1	1.5	*	1 JAN 2040 105	0.	.1	1.5	*	2 JAN 0500 205	0.	.4	3.0
1 JAN 1225	6	0.	.1	1.5	*	1 JAN 2045 106	0.	.1	1.5	*	2 JAN 0505 206	0.	.5	3.0
1 JAN 1230	7	0.	.1	1.5	*	1 JAN 2050 107	0.	.1	1.5	*	2 JAN 0510 207	0.	.5	3.1
1 JAN 1235	8	0.	.1	1.5	*	1 JAN 2055 108	0.	.1	1.5	*	2 JAN 0515 208	0.	.5	3.2
1 JAN 1240	9	0.	.1	1.5	*	1 JAN 2100 109	0.	.1	1.5	*	2 JAN 0520 209	0.	.5	3.2
1 JAN 1245	10	0.	.1	1.5	*	1 JAN 2105 110	0.	.1	1.5	*	2 JAN 0525 210	0.	.5	3.3
1 JAN 1250	11	0.	.1	1.5	*	1 JAN 2110 111	0.	.1	1.5	*	2 JAN 0530 211	0.	.5	3.3
1 JAN 1255	12	0.	.1	1.5	*	1 JAN 2115 112	0.	.1	1.5	*	2 JAN 0535 212	0.	.6	3.4
1 JAN 1300	13	0.	.1	1.5	*	1 JAN 2120 113	0.	.1	1.5	*	2 JAN 0540 213	0.	.6	3.4
1 JAN 1305	14	0.	.1	1.5	*	1 JAN 2125 114	0.	.1	1.5	*	2 JAN 0545 214	0.	.6	3.4
1 JAN 1310	15	0.	.1	1.5	*	1 JAN 2130 115	0.	.1	1.5	*	2 JAN 0550 215	0.	.6	3.5
1 JAN 1315	16	0.	.1	1.5	*	1 JAN 2135 116	0.	.1	1.5	*	2 JAN 0555 216	0.	.6	3.5
1 JAN 1320	17	0.	.1	1.5	*	1 JAN 2140 117	0.	.1	1.5	*	2 JAN 0600 217	0.	.6	3.6
1 JAN 1325	18	0.	.1	1.5	*	1 JAN 2145 118	0.	.1	1.5	*	2 JAN 0605 218	0.	.6	3.6
1 JAN 1330	19	0.	.1	1.5	*	1 JAN 2150 119	0.	.1	1.5	*	2 JAN 0610 219	0.	.6	3.6
1 JAN 1335	20	0.	.1	1.5	*	1 JAN 2155 120	0.	.1	1.5	*	2 JAN 0615 220	0.	.6	3.7
1 JAN 1340	21	0.	.1	1.5	*	1 JAN 2200 121	0.	.1	1.5	*	2 JAN 0620 221	0.	.7	3.7
1 JAN 1345	22	0.	.1	1.5	*	1 JAN 2205 122	0.	.1	1.5	*	2 JAN 0625 222	0.	.7	3.8
1 JAN 1350	23	0.	.1	1.5	*	1 JAN 2210 123	0.	.1	1.5	*	2 JAN 0630 223	0.	.7	3.8
1 JAN 1355	24	0.	.1	1.5	*	1 JAN 2215 124	0.	.1	1.5	*	2 JAN 0635 224	0.	.7	3.8
1 JAN 1400	25	0.	.1	1.5	*	1 JAN 2220 125	0.	.1	1.5	*	2 JAN 0640 225	0.	.7	3.8
1 JAN 1405	26	0.	.1	1.5	*	1 JAN 2225 126	0.	.1	1.5	*	2 JAN 0645 226	0.	.7	3.9
1 JAN 1410	27	0.	.1	1.5	*	1 JAN 2230 127	0.	.1	1.5	*	2 JAN 0650 227	0.	.7	3.9
1 JAN 1415	28	0.	.1	1.5	*	1 JAN 2235 128	0.	.1	1.5	*	2 JAN 0655 228	0.	.7	3.9
1 JAN 1420	29	0.	.1	1.5	*	1 JAN 2240 129	0.	.1	1.5	*	2 JAN 0700 229	0.	.7	4.0
1 JAN 1425	30	0.	.1	1.5	*	1 JAN 2245 130	0.	.1	1.5	*	2 JAN 0705 230	0.	.7	4.0
1 JAN 1430	31	0.	.1	1.5	*	1 JAN 2250 131	0.	.1	1.5	*	2 JAN 0710 231	0.	.7	4.0
1 JAN 1435	32	0.	.1	1.5	*	1 JAN 2255 132	0.	.1	1.5	*	2 JAN 0715 232	0.	.7	4.0
1 JAN 1440	33	0.	.1	1.5	*	1 JAN 2300 133	0.	.1	1.5	*	2 JAN 0720 233	0.	.8	4.1
1 JAN 1445	34	0.	.1	1.5	*	1 JAN 2305 134	0.	.1	1.5	*	2 JAN 0725 234	0.	.8	4.1
1 JAN 1450	35	0.	.1	1.5	*	1 JAN 2310 135	0.	.1	1.5	*	2 JAN 0730 235	0.	.8	4.1
1 JAN 1455	36	0.	.1	1.5	*	1 JAN 2315 136	0.	.1	1.5	*	2 JAN 0735 236	0.	.8	4.1
1 JAN 1500	37	0.	.1	1.5	*	1 JAN 2320 137	0.	.1	1.5	*	2 JAN 0740 237	0.	.8	4.2
1 JAN 1505	38	0.	.1	1.5	*	1 JAN 2325 138	0.	.1	1.5	*	2 JAN 0745 238	0.	.8	4.2
1 JAN 1510	39	0.	.1	1.5	*	1 JAN 2330 139	0.	.1	1.5	*	2 JAN 0750 239	0.	.8	4.2
1 JAN 1515	40	0.	.1	1.5	*	1 JAN 2335 140	0.	.1	1.5	*	2 JAN 0755 240	0.	.8	4.2
1 JAN 1520	41	0.	.1	1.5	*	1 JAN 2340 141	0.	.1	1.5	*	2 JAN 0800 241	0.	.8	4.3
1 JAN 1525	42	0.	.1	1.5	*	1 JAN 2345 142	0.	.1	1.5	*	2 JAN 0805 242	0.	.8	4.3
1 JAN 1530	43	0.	.1	1.5	*	1 JAN 2350 143	0.	.1	1.5	*	2 JAN 0810 243	0.	.8	4.3
1 JAN 1535	44	0.	.1	1.5	*	1 JAN 2355 144	0.	.1	1.5	*	2 JAN 0815 244	0.	.8	4.3
1 JAN 1540	45	0.	.1	1.5	*	2 JAN 0000 145	0.	.1	1.5	*	2 JAN 0820 245	0.	.8	4.4
1 JAN 1545	46	0.	.1	1.5	*	2 JAN 0005 146	0.	.1	1.5	*	2 JAN 0825 246	0.	.8	4.4
1 JAN 1550	47	0.	.1	1.5	*	2 JAN 0010 147	0.	.1	1.5	*	2 JAN 0830 247	0.	.8	4.4
1 JAN 1555	48	0.	.1	1.5	*	2 JAN 0015 148	0.	.1	1.5	*	2 JAN 0835 248	0.	.9	4.4
1 JAN 1600	49	0.	.1	1.5	*	2 JAN 0020 149	0.	.1	1.5	*	2 JAN 0840 249	0.	.9	4.5
1 JAN 1605	50	0.	.1	1.5	*	2 JAN 0025 150	0.	.1	1.5	*	2 JAN 0845 250	0.	.9	4.5
1 JAN 1610	51	0.	.1	1.5	*	2 JAN 0030 151	0.	.1	1.5	*	2 JAN 0850 251	0.	.9	4.5
1 JAN 1615	52	0.	.1	1.5	*	2 JAN 0035 152	0.	.1	1.5	*	2 JAN 0855 252	0.	.9	4.5
1 JAN 1620	53	0.	.1	1.5	*	2 JAN 0040 153	0.	.1	1.5	*	2 JAN 0900 253	0.	.9	4.5
1 JAN 1625	54	0.	.1	1.5	*	2 JAN 0045 154	0.	.1	1.5	*	2 JAN 0905 254	0.	.9	4.6
1 JAN 1630	55	0.	.1	1.5	*	2 JAN 0050 155	0.	.1	1.5	*	2 JAN 0910 255	0.	.9	4.6
1 JAN 1635	56	0.	.1	1.5	*	2 JAN 0055 156	0.	.1	1.5	*	2 JAN 0915 256	0.	.9	4.6
1 JAN 1640	57	0.	.1	1.5	*	2 JAN 0100 157	0.	.1	1.5	*	2 JAN 0920 257	0.	.9	4.6
1 JAN 1645	58	0.	.1	1.5	*	2 JAN 0105 158	0.	.1	1.5	*	2 JAN 0925 258	0.	.9	4.6
1 JAN 1650	59	0.	.1	1.5	*	2 JAN 0110 159	0.	.1	1.5	*	2 JAN 0930 259	0.	.9	4.7
1 JAN 1655	60	0.	.1	1.5	*	2 JAN 0115 160	0.	.1	1.5	*	2 JAN 0935 260	0.	.9	4.7
1 JAN 1700	61	0.	.1	1.5	*	2 JAN 0120 161	0.	.1	1.5	*	2 JAN 0940 261	0.	.9	4.7

1 JAN 1705	62	0.	.1	1.5	*	2 JAN 0125	162	0.	.1	1.5	*	2 JAN 0945	262	0.	.9	4.7
1 JAN 1710	63	0.	.1	1.5	*	2 JAN 0130	163	0.	.1	1.5	*	2 JAN 0950	263	0.	.9	4.7
1 JAN 1715	64	0.	.1	1.5	*	2 JAN 0135	164	0.	.1	1.5	*	2 JAN 0955	264	0.	.9	4.7
1 JAN 1720	65	0.	.1	1.5	*	2 JAN 0140	165	0.	.1	1.5	*	2 JAN 1000	265	0.	.9	4.8
1 JAN 1725	66	0.	.1	1.5	*	2 JAN 0145	166	0.	.1	1.5	*	2 JAN 1005	266	0.	1.0	4.8
1 JAN 1730	67	0.	.1	1.5	*	2 JAN 0150	167	0.	.1	1.5	*	2 JAN 1010	267	0.	1.0	4.8
1 JAN 1735	68	0.	.1	1.5	*	2 JAN 0155	168	0.	.1	1.5	*	2 JAN 1015	268	0.	1.0	4.8
1 JAN 1740	69	0.	.1	1.5	*	2 JAN 0200	169	0.	.1	1.5	*	2 JAN 1020	269	0.	1.0	4.8
1 JAN 1745	70	0.	.1	1.5	*	2 JAN 0205	170	0.	.1	1.5	*	2 JAN 1025	270	0.	1.0	4.9
1 JAN 1750	71	0.	.1	1.5	*	2 JAN 0210	171	0.	.1	1.5	*	2 JAN 1030	271	0.	1.0	4.9
1 JAN 1755	72	0.	.1	1.5	*	2 JAN 0215	172	0.	.1	1.5	*	2 JAN 1035	272	0.	1.0	4.9
1 JAN 1800	73	0.	.1	1.5	*	2 JAN 0220	173	0.	.1	1.5	*	2 JAN 1040	273	0.	1.0	4.9
1 JAN 1805	74	0.	.1	1.5	*	2 JAN 0225	174	0.	.1	1.5	*	2 JAN 1045	274	0.	1.0	4.9
1 JAN 1810	75	0.	.1	1.5	*	2 JAN 0230	175	0.	.1	1.5	*	2 JAN 1050	275	0.	1.0	4.9
1 JAN 1815	76	0.	.1	1.5	*	2 JAN 0235	176	0.	.1	1.5	*	2 JAN 1055	276	0.	1.0	5.0
1 JAN 1820	77	0.	.1	1.5	*	2 JAN 0240	177	0.	.1	1.5	*	2 JAN 1100	277	0.	1.0	5.0
1 JAN 1825	78	0.	.1	1.5	*	2 JAN 0245	178	0.	.1	1.5	*	2 JAN 1105	278	0.	1.0	5.0
1 JAN 1830	79	0.	.1	1.5	*	2 JAN 0250	179	0.	.1	1.5	*	2 JAN 1110	279	0.	1.0	5.0
1 JAN 1835	80	0.	.1	1.5	*	2 JAN 0255	180	0.	.1	1.5	*	2 JAN 1115	280	0.	1.0	5.0
1 JAN 1840	81	0.	.1	1.5	*	2 JAN 0300	181	0.	.1	1.5	*	2 JAN 1120	281	0.	1.0	5.0
1 JAN 1845	82	0.	.1	1.5	*	2 JAN 0305	182	0.	.1	1.5	*	2 JAN 1125	282	0.	1.0	5.1
1 JAN 1850	83	0.	.1	1.5	*	2 JAN 0310	183	0.	.1	1.5	*	2 JAN 1130	283	0.	1.0	5.1
1 JAN 1855	84	0.	.1	1.5	*	2 JAN 0315	184	0.	.1	1.5	*	2 JAN 1135	284	0.	1.0	5.1
1 JAN 1900	85	0.	.1	1.5	*	2 JAN 0320	185	0.	.1	1.5	*	2 JAN 1140	285	0.	1.0	5.1
1 JAN 1905	86	0.	.1	1.5	*	2 JAN 0325	186	0.	.1	1.5	*	2 JAN 1145	286	0.	1.1	5.1
1 JAN 1910	87	0.	.1	1.5	*	2 JAN 0330	187	0.	.1	1.5	*	2 JAN 1150	287	0.	1.1	5.1
1 JAN 1915	88	0.	.1	1.5	*	2 JAN 0335	188	0.	.1	1.5	*	2 JAN 1155	288	0.	1.1	5.2
1 JAN 1920	89	0.	.1	1.5	*	2 JAN 0340	189	0.	.1	1.5	*	2 JAN 1200	289	0.	1.1	5.2
1 JAN 1925	90	0.	.1	1.5	*	2 JAN 0345	190	0.	.1	1.5	*	2 JAN 1205	290	0.	1.1	5.2
1 JAN 1930	91	0.	.1	1.5	*	2 JAN 0350	191	0.	.1	1.5	*	2 JAN 1210	291	0.	1.1	5.2
1 JAN 1935	92	0.	.1	1.5	*	2 JAN 0355	192	0.	.1	1.5	*	2 JAN 1215	292	0.	1.1	5.2
1 JAN 1940	93	0.	.1	1.5	*	2 JAN 0400	193	0.	.1	1.6	*	2 JAN 1220	293	0.	1.1	5.2
1 JAN 1945	94	0.	.1	1.5	*	2 JAN 0405	194	0.	.1	1.6	*	2 JAN 1225	294	0.	1.1	5.2
1 JAN 1950	95	0.	.1	1.5	*	2 JAN 0410	195	0.	.1	1.8	*	2 JAN 1230	295	0.	1.1	5.2
1 JAN 1955	96	0.	.1	1.5	*	2 JAN 0415	196	0.	.2	1.9	*	2 JAN 1235	296	0.	1.1	5.2
1 JAN 2000	97	0.	.1	1.5	*	2 JAN 0420	197	0.	.2	2.1	*	2 JAN 1240	297	0.	1.1	5.2
1 JAN 2005	98	0.	.1	1.5	*	2 JAN 0425	198	0.	.3	2.3	*	2 JAN 1245	298	0.	1.1	5.2
1 JAN 2010	99	0.	.1	1.5	*	2 JAN 0430	199	0.	.3	2.4	*	2 JAN 1250	299	0.	1.1	5.2
1 JAN 2015	100	0.	.1	1.5	*	2 JAN 0435	200	0.	.3	2.5	*	2 JAN 1255	300	0.	1.1	5.2
					*						*					

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

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

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
(FEET)	(HR)	6-HR	24-HR	72-HR	24.92-HR
5.24	24.92	4.71	2.52	2.48	2.48

CUMULATIVE AREA = .13 SQ MI

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            *            *
109 KK      *         2  *
            *            *
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SUBBASIN RUNOFF DATA

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110 BA        SUBBASIN CHARACTERISTICS
                  TAREA          .06  SUBBASIN AREA

              PRECIPITATION DATA

 40 PB            STORM         2.49  BASIN TOTAL PRECIPITATION

 40 PI          INCREMENTAL PRECIPITATION PATTERN
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .02       .02       .02       .02       .02       .02       .02
                   .02       .02       .02       .03       .03       .03       .03       .04       .05       .07
                   .10       .35       .06       .04       .03       .02       .02       .02       .02       .02
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                   .01       .01       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                   .00       .00       .00       .00       .00       .00       .00
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111 LS        SCS LOSS RATE
                  STRTL          .99  INITIAL ABSTRACTION
                 CRVNBR        67.00  CURVE NUMBER
                  RTIMP          .00  PERCENT IMPERVIOUS AREA

112 UD        SCS DIMENSIONLESS UNITGRAPH
                   TLAG          .14  LAG
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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH

11 END-OF-PERIOD ORDINATES

60. 154. 129. 62. 31. 15. 7. 3. 2. 1.

0.

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HYDROGRAPH AT STATION 2

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1 JAN 1200	1	.00	.00	.00	0.	*	2 JAN 0030	151	.01	.01	.00	0.
1 JAN 1205	2	.00	.00	.00	0.	*	2 JAN 0035	152	.01	.01	.00	0.
1 JAN 1210	3	.00	.00	.00	0.	*	2 JAN 0040	153	.01	.01	.00	0.
1 JAN 1215	4	.00	.00	.00	0.	*	2 JAN 0045	154	.01	.01	.00	0.
1 JAN 1220	5	.00	.00	.00	0.	*	2 JAN 0050	155	.01	.01	.00	0.
1 JAN 1225	6	.00	.00	.00	0.	*	2 JAN 0055	156	.01	.01	.00	0.
1 JAN 1230	7	.00	.00	.00	0.	*	2 JAN 0100	157	.01	.01	.00	0.
1 JAN 1235	8	.00	.00	.00	0.	*	2 JAN 0105	158	.01	.01	.00	0.
1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	1.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	2.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	3.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.27	.08	9.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	15.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	14.

1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	10.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	7.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	5.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	4.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	3.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	3.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	3.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	2.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	2.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	2.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	2.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	2.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	2.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	2.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	2.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	2.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.

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

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

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

CUMULATIVE AREA = .06 SQ MI

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


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          *            *
113 KK    *    2_1_1A  *
          *            *
          **************
                    COMBINE BASIN 1A AND BASIN 1 WITH BASIN 2

115 HC          HYDROGRAPH COMBINATION
                     ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE

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                                   HYDROGRAPH AT STATION   2_1_1A
                                        SUM OF  2 HYDROGRAPHS

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

1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	0.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	1.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	1.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	1.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	1.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	2.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	3.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	9.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	15.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	14.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	10.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	7.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	5.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	4.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	3.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	3.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	3.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	2.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	2.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	2.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	2.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	2.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	2.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	2.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	2.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	2.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	2.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	2.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	1.	*	2 JAN 1200	289	0.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	1.	*	2 JAN 1205	290	0.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	1.	*	2 JAN 1210	291	0.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	1.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	1.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	1.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	1.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	1.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	1.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	1.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	1.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	1.	*	2 JAN 1255	300	0.
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
15.	16.00	(CFS)	2.	1.	1.	1.
		(INCHES)	.098	.112	.112	.112
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .19 SQ MI

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

HYDROGRAPH ROUTING DATA

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

119 SA	AREA	.0	.1	3.7	8.3	8.3
120 SQ	DISCHARGE	0.	0.	0.	0.	20.
121 SE	ELEVATION	63.00	64.00	66.00	68.00	68.10

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COMPUTED STORAGE-ELEVATION DATA

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

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HYDROGRAPH AT STATION DET_2

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	3.0	66.0	1 JAN 2020	101	0.	3.0	66.0	2 JAN 0440	201	0.	3.5	66.1
1 JAN 1205	2	0.	3.0	66.0	1 JAN 2025	102	0.	3.0	66.0	2 JAN 0445	202	0.	3.5	66.1
1 JAN 1210	3	0.	3.0	66.0	1 JAN 2030	103	0.	3.0	66.0	2 JAN 0450	203	0.	3.5	66.1
1 JAN 1215	4	0.	3.0	66.0	1 JAN 2035	104	0.	3.0	66.0	2 JAN 0455	204	0.	3.6	66.1
1 JAN 1220	5	0.	3.0	66.0	1 JAN 2040	105	0.	3.0	66.0	2 JAN 0500	205	0.	3.6	66.1
1 JAN 1225	6	0.	3.0	66.0	1 JAN 2045	106	0.	3.0	66.0	2 JAN 0505	206	0.	3.6	66.1
1 JAN 1230	7	0.	3.0	66.0	1 JAN 2050	107	0.	3.0	66.0	2 JAN 0510	207	0.	3.6	66.1
1 JAN 1235	8	0.	3.0	66.0	1 JAN 2055	108	0.	3.0	66.0	2 JAN 0515	208	0.	3.6	66.1
1 JAN 1240	9	0.	3.0	66.0	1 JAN 2100	109	0.	3.0	66.0	2 JAN 0520	209	0.	3.6	66.1
1 JAN 1245	10	0.	3.0	66.0	1 JAN 2105	110	0.	3.0	66.0	2 JAN 0525	210	0.	3.6	66.1
1 JAN 1250	11	0.	3.0	66.0	1 JAN 2110	111	0.	3.0	66.0	2 JAN 0530	211	0.	3.6	66.1
1 JAN 1255	12	0.	3.0	66.0	1 JAN 2115	112	0.	3.0	66.0	2 JAN 0535	212	0.	3.7	66.1
1 JAN 1300	13	0.	3.0	66.0	1 JAN 2120	113	0.	3.0	66.0	2 JAN 0540	213	0.	3.7	66.1
1 JAN 1305	14	0.	3.0	66.0	1 JAN 2125	114	0.	3.0	66.0	2 JAN 0545	214	0.	3.7	66.1
1 JAN 1310	15	0.	3.0	66.0	1 JAN 2130	115	0.	3.0	66.0	2 JAN 0550	215	0.	3.7	66.1
1 JAN 1315	16	0.	3.0	66.0	1 JAN 2135	116	0.	3.0	66.0	2 JAN 0555	216	0.	3.7	66.1
1 JAN 1320	17	0.	3.0	66.0	1 JAN 2140	117	0.	3.0	66.0	2 JAN 0600	217	0.	3.7	66.1
1 JAN 1325	18	0.	3.0	66.0	1 JAN 2145	118	0.	3.0	66.0	2 JAN 0605	218	0.	3.7	66.1
1 JAN 1330	19	0.	3.0	66.0	1 JAN 2150	119	0.	3.0	66.0	2 JAN 0610	219	0.	3.7	66.1
1 JAN 1335	20	0.	3.0	66.0	1 JAN 2155	120	0.	3.0	66.0	2 JAN 0615	220	0.	3.7	66.1
1 JAN 1340	21	0.	3.0	66.0	1 JAN 2200	121	0.	3.0	66.0	2 JAN 0620	221	0.	3.7	66.1
1 JAN 1345	22	0.	3.0	66.0	1 JAN 2205	122	0.	3.0	66.0	2 JAN 0625	222	0.	3.7	66.1
1 JAN 1350	23	0.	3.0	66.0	1 JAN 2210	123	0.	3.0	66.0	2 JAN 0630	223	0.	3.8	66.1
1 JAN 1355	24	0.	3.0	66.0	1 JAN 2215	124	0.	3.0	66.0	2 JAN 0635	224	0.	3.8	66.1
1 JAN 1400	25	0.	3.0	66.0	1 JAN 2220	125	0.	3.0	66.0	2 JAN 0640	225	0.	3.8	66.1
1 JAN 1405	26	0.	3.0	66.0	1 JAN 2225	126	0.	3.0	66.0	2 JAN 0645	226	0.	3.8	66.1
1 JAN 1410	27	0.	3.0	66.0	1 JAN 2230	127	0.	3.0	66.0	2 JAN 0650	227	0.	3.8	66.1

1 JAN	1415	28	0.	3.0	66.0	*	1 JAN	2235	128	0.	3.0	66.0	*	2 JAN 0655 228	0.	3.8	66.1
1 JAN	1420	29	0.	3.0	66.0	*	1 JAN	2240	129	0.	3.0	66.0	*	2 JAN 0700 229	0.	3.8	66.1
1 JAN	1425	30	0.	3.0	66.0	*	1 JAN	2245	130	0.	3.0	66.0	*	2 JAN 0705 230	0.	3.8	66.1
1 JAN	1430	31	0.	3.0	66.0	*	1 JAN	2250	131	0.	3.0	66.0	*	2 JAN 0710 231	0.	3.8	66.1
1 JAN	1435	32	0.	3.0	66.0	*	1 JAN	2255	132	0.	3.0	66.0	*	2 JAN 0715 232	0.	3.8	66.1
1 JAN	1440	33	0.	3.0	66.0	*	1 JAN	2300	133	0.	3.0	66.0	*	2 JAN 0720 233	0.	3.8	66.1
1 JAN	1445	34	0.	3.0	66.0	*	1 JAN	2305	134	0.	3.0	66.0	*	2 JAN 0725 234	0.	3.8	66.1
1 JAN	1450	35	0.	3.0	66.0	*	1 JAN	2310	135	0.	3.0	66.0	*	2 JAN 0730 235	0.	3.8	66.2
1 JAN	1455	36	0.	3.0	66.0	*	1 JAN	2315	136	0.	3.0	66.0	*	2 JAN 0735 236	0.	3.8	66.2
1 JAN	1500	37	0.	3.0	66.0	*	1 JAN	2320	137	0.	3.0	66.0	*	2 JAN 0740 237	0.	3.8	66.2
1 JAN	1505	38	0.	3.0	66.0	*	1 JAN	2325	138	0.	3.0	66.0	*	2 JAN 0745 238	0.	3.9	66.2
1 JAN	1510	39	0.	3.0	66.0	*	1 JAN	2330	139	0.	3.0	66.0	*	2 JAN 0750 239	0.	3.9	66.2
1 JAN	1515	40	0.	3.0	66.0	*	1 JAN	2335	140	0.	3.0	66.0	*	2 JAN 0755 240	0.	3.9	66.2
1 JAN	1520	41	0.	3.0	66.0	*	1 JAN	2340	141	0.	3.0	66.0	*	2 JAN 0800 241	0.	3.9	66.2
1 JAN	1525	42	0.	3.0	66.0	*	1 JAN	2345	142	0.	3.0	66.0	*	2 JAN 0805 242	0.	3.9	66.2
1 JAN	1530	43	0.	3.0	66.0	*	1 JAN	2350	143	0.	3.0	66.0	*	2 JAN 0810 243	0.	3.9	66.2
1 JAN	1535	44	0.	3.0	66.0	*	1 JAN	2355	144	0.	3.0	66.0	*	2 JAN 0815 244	0.	3.9	66.2
1 JAN	1540	45	0.	3.0	66.0	*	2 JAN	0000	145	0.	3.0	66.0	*	2 JAN 0820 245	0.	3.9	66.2
1 JAN	1545	46	0.	3.0	66.0	*	2 JAN	0005	146	0.	3.0	66.0	*	2 JAN 0825 246	0.	3.9	66.2
1 JAN	1550	47	0.	3.0	66.0	*	2 JAN	0010	147	0.	3.0	66.0	*	2 JAN 0830 247	0.	3.9	66.2
1 JAN	1555	48	0.	3.0	66.0	*	2 JAN	0015	148	0.	3.0	66.0	*	2 JAN 0835 248	0.	3.9	66.2
1 JAN	1600	49	0.	3.0	66.0	*	2 JAN	0020	149	0.	3.0	66.0	*	2 JAN 0840 249	0.	3.9	66.2
1 JAN	1605	50	0.	3.0	66.0	*	2 JAN	0025	150	0.	3.0	66.0	*	2 JAN 0845 250	0.	3.9	66.2
1 JAN	1610	51	0.	3.0	66.0	*	2 JAN	0030	151	0.	3.0	66.0	*	2 JAN 0850 251	0.	3.9	66.2
1 JAN	1615	52	0.	3.0	66.0	*	2 JAN	0035	152	0.	3.0	66.0	*	2 JAN 0855 252	0.	3.9	66.2
1 JAN	1620	53	0.	3.0	66.0	*	2 JAN	0040	153	0.	3.0	66.0	*	2 JAN 0900 253	0.	3.9	66.2
1 JAN	1625	54	0.	3.0	66.0	*	2 JAN	0045	154	0.	3.0	66.0	*	2 JAN 0905 254	0.	3.9	66.2
1 JAN	1630	55	0.	3.0	66.0	*	2 JAN	0050	155	0.	3.0	66.0	*	2 JAN 0910 255	0.	3.9	66.2
1 JAN	1635	56	0.	3.0	66.0	*	2 JAN	0055	156	0.	3.0	66.0	*	2 JAN 0915 256	0.	3.9	66.2
1 JAN	1640	57	0.	3.0	66.0	*	2 JAN	0100	157	0.	3.0	66.0	*	2 JAN 0920 257	0.	3.9	66.2
1 JAN	1645	58	0.	3.0	66.0	*	2 JAN	0105	158	0.	3.0	66.0	*	2 JAN 0925 258	0.	4.0	66.2
1 JAN	1650	59	0.	3.0	66.0	*	2 JAN	0110	159	0.	3.0	66.0	*	2 JAN 0930 259	0.	4.0	66.2
1 JAN	1655	60	0.	3.0	66.0	*	2 JAN	0115	160	0.	3.0	66.0	*	2 JAN 0935 260	0.	4.0	66.2
1 JAN	1700	61	0.	3.0	66.0	*	2 JAN	0120	161	0.	3.0	66.0	*	2 JAN 0940 261	0.	4.0	66.2
1 JAN	1705	62	0.	3.0	66.0	*	2 JAN	0125	162	0.	3.0	66.0	*	2 JAN 0945 262	0.	4.0	66.2
1 JAN	1710	63	0.	3.0	66.0	*	2 JAN	0130	163	0.	3.0	66.0	*	2 JAN 0950 263	0.	4.0	66.2
1 JAN	1715	64	0.	3.0	66.0	*	2 JAN	0135	164	0.	3.0	66.0	*	2 JAN 0955 264	0.	4.0	66.2
1 JAN	1720	65	0.	3.0	66.0	*	2 JAN	0140	165	0.	3.0	66.0	*	2 JAN 1000 265	0.	4.0	66.2
1 JAN	1725	66	0.	3.0	66.0	*	2 JAN	0145	166	0.	3.0	66.0	*	2 JAN 1005 266	0.	4.0	66.2
1 JAN	1730	67	0.	3.0	66.0	*	2 JAN	0150	167	0.	3.0	66.0	*	2 JAN 1010 267	0.	4.0	66.2
1 JAN	1735	68	0.	3.0	66.0	*	2 JAN	0155	168	0.	3.0	66.0	*	2 JAN 1015 268	0.	4.0	66.2
1 JAN	1740	69	0.	3.0	66.0	*	2 JAN	0200	169	0.	3.0	66.0	*	2 JAN 1020 269	0.	4.0	66.2
1 JAN	1745	70	0.	3.0	66.0	*	2 JAN	0205	170	0.	3.0	66.0	*	2 JAN 1025 270	0.	4.0	66.2
1 JAN	1750	71	0.	3.0	66.0	*	2 JAN	0210	171	0.	3.0	66.0	*	2 JAN 1030 271	0.	4.0	66.2
1 JAN	1755	72	0.	3.0	66.0	*	2 JAN	0215	172	0.	3.0	66.0	*	2 JAN 1035 272	0.	4.0	66.2
1 JAN	1800	73	0.	3.0	66.0	*	2 JAN	0220	173	0.	3.0	66.0	*	2 JAN 1040 273	0.	4.0	66.2
1 JAN	1805	74	0.	3.0	66.0	*	2 JAN	0225	174	0.	3.0	66.0	*	2 JAN 1045 274	0.	4.0	66.2
1 JAN	1810	75	0.	3.0	66.0	*	2 JAN	0230	175	0.	3.0	66.0	*	2 JAN 1050 275	0.	4.0	66.2
1 JAN	1815	76	0.	3.0	66.0	*	2 JAN	0235	176	0.	3.0	66.0	*	2 JAN 1055 276	0.	4.0	66.2
1 JAN	1820	77	0.	3.0	66.0	*	2 JAN	0240	177	0.	3.0	66.0	*	2 JAN 1100 277	0.	4.0	66.2
1 JAN	1825	78	0.	3.0	66.0	*	2 JAN	0245	178	0.	3.0	66.0	*	2 JAN 1105 278	0.	4.0	66.2
1 JAN	1830	79	0.	3.0	66.0	*	2 JAN	0250	179	0.	3.0	66.0	*	2 JAN 1110 279	0.	4.0	66.2
1 JAN	1835	80	0.	3.0	66.0	*	2 JAN	0255	180	0.	3.0	66.0	*	2 JAN 1115 280	0.	4.0	66.2
1 JAN	1840	81	0.	3.0	66.0	*	2 JAN	0300	181	0.	3.0	66.0	*	2 JAN 1120 281	0.	4.1	66.2
1 JAN	1845	82	0.	3.0	66.0	*	2 JAN	0305	182	0.	3.0	66.0	*	2 JAN 1125 282	0.	4.1	66.2
1 JAN	1850	83	0.	3.0	66.0	*	2 JAN	0310	183	0.	3.0	66.0	*	2 JAN 1130 283	0.	4.1	66.2
1 JAN	1855	84	0.	3.0	66.0	*	2 JAN	0315	184	0.	3.0	66.0	*	2 JAN 1135 284	0.	4.1	66.2
1 JAN	1900	85	0.	3.0	66.0	*	2 JAN	0320	185	0.	3.0	66.0	*	2 JAN 1140 285	0.	4.1	66.2
1 JAN	1905	86	0.	3.0	66.0	*	2 JAN	0325	186	0.	3.0	66.0	*	2 JAN 1145 286	0.	4.1	66.2
1 JAN	1910	87	0.	3.0	66.0	*	2 JAN	0330	187	0.	3.0	66.0	*	2 JAN 1150 287	0.	4.1	66.2

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 1 JAN 1915  88      0.      3.0    66.0 *  2 JAN 0335 188      0.      3.0    66.0 *  2 JAN 1155 288      0.      4.1    66.2
 1 JAN 1920  89      0.      3.0    66.0 *  2 JAN 0340 189      0.      3.0    66.0 *  2 JAN 1200 289      0.      4.1    66.2
 1 JAN 1925  90      0.      3.0    66.0 *  2 JAN 0345 190      0.      3.0    66.0 *  2 JAN 1205 290      0.      4.1    66.2
 1 JAN 1930  91      0.      3.0    66.0 *  2 JAN 0350 191      0.      3.0    66.0 *  2 JAN 1210 291      0.      4.1    66.2
 1 JAN 1935  92      0.      3.0    66.0 *  2 JAN 0355 192      0.      3.0    66.0 *  2 JAN 1215 292      0.      4.1    66.2
 1 JAN 1940  93      0.      3.0    66.0 *  2 JAN 0400 193      0.      3.1    66.0 *  2 JAN 1220 293      0.      4.1    66.2
 1 JAN 1945  94      0.      3.0    66.0 *  2 JAN 0405 194      0.      3.1    66.0 *  2 JAN 1225 294      0.      4.1    66.2
 1 JAN 1950  95      0.      3.0    66.0 *  2 JAN 0410 195      0.      3.2    66.0 *  2 JAN 1230 295      0.      4.1    66.2
 1 JAN 1955  96      0.      3.0    66.0 *  2 JAN 0415 196      0.      3.3    66.1 *  2 JAN 1235 296      0.      4.1    66.2
 1 JAN 2000  97      0.      3.0    66.0 *  2 JAN 0420 197      0.      3.4    66.1 *  2 JAN 1240 297      0.      4.1    66.2
 1 JAN 2005  98      0.      3.0    66.0 *  2 JAN 0425 198      0.      3.4    66.1 *  2 JAN 1245 298      0.      4.1    66.2
 1 JAN 2010  99      0.      3.0    66.0 *  2 JAN 0430 199      0.      3.5    66.1 *  2 JAN 1250 299      0.      4.1    66.2
 1 JAN 2015 100      0.      3.0    66.0 *  2 JAN 0435 200      0.      3.5    66.1 *  2 JAN 1255 300      0.      4.1    66.2
                                         *                                           *
*****************************************************************************************************************************

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

PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
  (AC-FT)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
      4.      24.33                    4.          3.          3.          3.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
   (FEET)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
   66.19      24.58                 66.17       66.06       66.05       66.05

                         CUMULATIVE AREA =     .19 SQ MI


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            *************
            *           *
 122 KK     *   3_LINEB  *
            *           *
            *************
                          BASIN 3 DRAINING TO LINE B

              SUBBASIN RUNOFF DATA

 124 BA          SUBBASIN CHARACTERISTICS
                       TAREA          .02  SUBBASIN AREA

                 PRECIPITATION DATA

  40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

  40 PI             INCREMENTAL PRECIPITATION PATTERN
                       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                       .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
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.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00			

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

126 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .09  LAG
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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

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

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HYDROGRAPH AT STATION 3_LINEB

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

1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.01	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.26	.09	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	7.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	3.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.

1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.

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

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

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

CUMULATIVE AREA = .02 SQ MI

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          *           *
127 KK    *   4_LINEC *
          *           *
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BASIN 4 DRAINING TO LINE C

SUBBASIN RUNOFF DATA

129 BA SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

40 PB STORM 2.49 BASIN TOTAL PRECIPITATION

40 PI INCREMENTAL PRECIPITATION PATTERN

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

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

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

131 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .07  LAG

                                                  ***

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

                                              UNIT HYDROGRAPH
                                          6 END-OF-PERIOD ORDINATES
          71.       59.       17.        5.        2.        1.
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HYDROGRAPH AT STATION 4_LINEC

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

1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.00	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.09	.01	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.29	.06	5.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.01	4.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	2.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	1.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	1.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.00	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.00	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	0.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	0.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	0.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	0.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	0.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.01	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.

1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.

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

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

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

CUMULATIVE AREA = .02 SQ MI

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          *           *
132 KK    *       4_3 *
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COMBINE BASIN 3 WITH BASIN 4

134 HC HYDROGRAPH COMBINATION

ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION 4_3

SUM OF 2 HYDROGRAPHS

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
1 JAN 1200	1	0.	1 JAN 1815	76	0.	2 JAN 0030	151	0.	2 JAN 0645	226	1.

1 JAN 1205	2	0.	*	1 JAN 1820	77	0.	*	2 JAN 0035	152	0.	*	2 JAN 0650	227	1.
1 JAN 1210	3	0.	*	1 JAN 1825	78	0.	*	2 JAN 0040	153	0.	*	2 JAN 0655	228	1.
1 JAN 1215	4	0.	*	1 JAN 1830	79	0.	*	2 JAN 0045	154	0.	*	2 JAN 0700	229	1.
1 JAN 1220	5	0.	*	1 JAN 1835	80	0.	*	2 JAN 0050	155	0.	*	2 JAN 0705	230	1.
1 JAN 1225	6	0.	*	1 JAN 1840	81	0.	*	2 JAN 0055	156	0.	*	2 JAN 0710	231	1.
1 JAN 1230	7	0.	*	1 JAN 1845	82	0.	*	2 JAN 0100	157	0.	*	2 JAN 0715	232	1.
1 JAN 1235	8	0.	*	1 JAN 1850	83	0.	*	2 JAN 0105	158	0.	*	2 JAN 0720	233	1.
1 JAN 1240	9	0.	*	1 JAN 1855	84	0.	*	2 JAN 0110	159	0.	*	2 JAN 0725	234	1.
1 JAN 1245	10	0.	*	1 JAN 1900	85	0.	*	2 JAN 0115	160	0.	*	2 JAN 0730	235	1.
1 JAN 1250	11	0.	*	1 JAN 1905	86	0.	*	2 JAN 0120	161	0.	*	2 JAN 0735	236	1.
1 JAN 1255	12	0.	*	1 JAN 1910	87	0.	*	2 JAN 0125	162	0.	*	2 JAN 0740	237	1.
1 JAN 1300	13	0.	*	1 JAN 1915	88	0.	*	2 JAN 0130	163	0.	*	2 JAN 0745	238	1.
1 JAN 1305	14	0.	*	1 JAN 1920	89	0.	*	2 JAN 0135	164	0.	*	2 JAN 0750	239	1.
1 JAN 1310	15	0.	*	1 JAN 1925	90	0.	*	2 JAN 0140	165	0.	*	2 JAN 0755	240	1.
1 JAN 1315	16	0.	*	1 JAN 1930	91	0.	*	2 JAN 0145	166	0.	*	2 JAN 0800	241	1.
1 JAN 1320	17	0.	*	1 JAN 1935	92	0.	*	2 JAN 0150	167	0.	*	2 JAN 0805	242	1.
1 JAN 1325	18	0.	*	1 JAN 1940	93	0.	*	2 JAN 0155	168	0.	*	2 JAN 0810	243	1.
1 JAN 1330	19	0.	*	1 JAN 1945	94	0.	*	2 JAN 0200	169	0.	*	2 JAN 0815	244	1.
1 JAN 1335	20	0.	*	1 JAN 1950	95	0.	*	2 JAN 0205	170	0.	*	2 JAN 0820	245	0.
1 JAN 1340	21	0.	*	1 JAN 1955	96	0.	*	2 JAN 0210	171	0.	*	2 JAN 0825	246	0.
1 JAN 1345	22	0.	*	1 JAN 2000	97	0.	*	2 JAN 0215	172	0.	*	2 JAN 0830	247	0.
1 JAN 1350	23	0.	*	1 JAN 2005	98	0.	*	2 JAN 0220	173	0.	*	2 JAN 0835	248	0.
1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	0.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	0.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	0.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	0.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	0.	*	2 JAN 0900	253	0.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	0.	*	2 JAN 0905	254	0.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	0.	*	2 JAN 0910	255	0.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	0.	*	2 JAN 0915	256	0.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	0.	*	2 JAN 0920	257	0.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	0.	*	2 JAN 0925	258	0.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	0.	*	2 JAN 0930	259	0.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	0.	*	2 JAN 0935	260	0.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	0.	*	2 JAN 0940	261	0.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	0.	*	2 JAN 0945	262	0.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	1.	*	2 JAN 0950	263	0.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	1.	*	2 JAN 0955	264	0.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	1.	*	2 JAN 1000	265	0.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	2.	*	2 JAN 1005	266	0.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	3.	*	2 JAN 1010	267	0.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	11.	*	2 JAN 1015	268	0.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	12.	*	2 JAN 1020	269	0.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	7.	*	2 JAN 1025	270	0.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	4.	*	2 JAN 1030	271	0.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	3.	*	2 JAN 1035	272	0.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	2.	*	2 JAN 1040	273	0.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	2.	*	2 JAN 1045	274	0.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	2.	*	2 JAN 1050	275	0.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	2.	*	2 JAN 1055	276	0.
1 JAN 1615	52.	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	2.	*	2 JAN 1100	277	0.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	1.	*	2 JAN 1105	278	0.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	1.	*	2 JAN 1110	279	0.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	1.	*	2 JAN 1115	280	0.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	1.	*	2 JAN 1120	281	0.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	1.	*	2 JAN 1125	282	0.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	1.	*	2 JAN 1130	283	0.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	1.	*	2 JAN 1135	284	0.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	1.	*	2 JAN 1140	285	0.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	1.	*	2 JAN 1145	286	0.

1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	1.	*	2 JAN 1150	287	0.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	1.	*	2 JAN 1155	288	0.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	1.	*	2 JAN 1200	289	0.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	1.	*	2 JAN 1205	290	0.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	1.	*	2 JAN 1210	291	0.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	1.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	1.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	1.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	1.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	1.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	1.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	1.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	1.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	1.	*	2 JAN 1255	300	0.
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
12.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.299	.343	.343	.343
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .04 SQ MI

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

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137 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                      IPNCH          0  PUNCH COMPUTED HYDROGRAPH
                       IOUT         21  SAVE HYDROGRAPH ON THIS UNIT
                      ISAV1          1  FIRST ORDINATE PUNCHED OR SAVED
                      ISAV2        300  LAST ORDINATE PUNCHED OR SAVED
                     TIMINT       .083  TIME INTERVAL IN HOURS


             HYDROGRAPH ROUTING DATA

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

139 SA               AREA         .0       .7      2.5      4.6

140 SE          ELEVATION      55.00    56.00    58.00    60.00
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141 SQ DISCHARGE 0. 2.

142 SE ELEVATION 55.00 56.05

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COMPUTED STORAGE-ELEVATION DATA

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

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.22	.26	3.19	10.18
OUTFLOW	.00	1.90	2.00	5.71	9.52
ELEVATION	55.00	56.00	56.05	58.00	60.00

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HYDROGRAPH AT STATION DET4_3

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	55.0	*	1 JAN 2020	101	0.	.0	55.0	*	2 JAN 0440	201	2.	.3	56.0
1 JAN 1205	2	0.	.0	55.0	*	1 JAN 2025	102	0.	.0	55.0	*	2 JAN 0445	202	2.	.2	56.0
1 JAN 1210	3	0.	.0	55.0	*	1 JAN 2030	103	0.	.0	55.0	*	2 JAN 0450	203	2.	.2	56.0
1 JAN 1215	4	0.	.0	55.0	*	1 JAN 2035	104	0.	.0	55.0	*	2 JAN 0455	204	2.	.2	56.0
1 JAN 1220	5	0.	.0	55.0	*	1 JAN 2040	105	0.	.0	55.0	*	2 JAN 0500	205	2.	.2	56.0
1 JAN 1225	6	0.	.0	55.0	*	1 JAN 2045	106	0.	.0	55.0	*	2 JAN 0505	206	2.	.2	56.0
1 JAN 1230	7	0.	.0	55.0	*	1 JAN 2050	107	0.	.0	55.0	*	2 JAN 0510	207	2.	.2	56.0
1 JAN 1235	8	0.	.0	55.0	*	1 JAN 2055	108	0.	.0	55.0	*	2 JAN 0515	208	2.	.2	56.0
1 JAN 1240	9	0.	.0	55.0	*	1 JAN 2100	109	0.	.0	55.0	*	2 JAN 0520	209	2.	.2	56.0
1 JAN 1245	10	0.	.0	55.0	*	1 JAN 2105	110	0.	.0	55.0	*	2 JAN 0525	210	2.	.2	56.0
1 JAN 1250	11	0.	.0	55.0	*	1 JAN 2110	111	0.	.0	55.0	*	2 JAN 0530	211	2.	.2	55.9
1 JAN 1255	12	0.	.0	55.0	*	1 JAN 2115	112	0.	.0	55.0	*	2 JAN 0535	212	2.	.2	55.9
1 JAN 1300	13	0.	.0	55.0	*	1 JAN 2120	113	0.	.0	55.0	*	2 JAN 0540	213	2.	.2	55.9
1 JAN 1305	14	0.	.0	55.0	*	1 JAN 2125	114	0.	.0	55.0	*	2 JAN 0545	214	2.	.2	55.9
1 JAN 1310	15	0.	.0	55.0	*	1 JAN 2130	115	0.	.0	55.0	*	2 JAN 0550	215	2.	.2	55.8
1 JAN 1315	16	0.	.0	55.0	*	1 JAN 2135	116	0.	.0	55.0	*	2 JAN 0555	216	2.	.2	55.8
1 JAN 1320	17	0.	.0	55.0	*	1 JAN 2140	117	0.	.0	55.0	*	2 JAN 0600	217	2.	.2	55.8
1 JAN 1325	18	0.	.0	55.0	*	1 JAN 2145	118	0.	.0	55.0	*	2 JAN 0605	218	1.	.2	55.8
1 JAN 1330	19	0.	.0	55.0	*	1 JAN 2150	119	0.	.0	55.0	*	2 JAN 0610	219	1.	.2	55.8
1 JAN 1335	20	0.	.0	55.0	*	1 JAN 2155	120	0.	.0	55.0	*	2 JAN 0615	220	1.	.2	55.7
1 JAN 1340	21	0.	.0	55.0	*	1 JAN 2200	121	0.	.0	55.0	*	2 JAN 0620	221	1.	.2	55.7
1 JAN 1345	22	0.	.0	55.0	*	1 JAN 2205	122	0.	.0	55.0	*	2 JAN 0625	222	1.	.2	55.7
1 JAN 1350	23	0.	.0	55.0	*	1 JAN 2210	123	0.	.0	55.0	*	2 JAN 0630	223	1.	.1	55.7
1 JAN 1355	24	0.	.0	55.0	*	1 JAN 2215	124	0.	.0	55.0	*	2 JAN 0635	224	1.	.1	55.7
1 JAN 1400	25	0.	.0	55.0	*	1 JAN 2220	125	0.	.0	55.0	*	2 JAN 0640	225	1.	.1	55.6
1 JAN 1405	26	0.	.0	55.0	*	1 JAN 2225	126	0.	.0	55.0	*	2 JAN 0645	226	1.	.1	55.6
1 JAN 1410	27	0.	.0	55.0	*	1 JAN 2230	127	0.	.0	55.0	*	2 JAN 0650	227	1.	.1	55.6
1 JAN 1415	28	0.	.0	55.0	*	1 JAN 2235	128	0.	.0	55.0	*	2 JAN 0655	228	1.	.1	55.6
1 JAN 1420	29	0.	.0	55.0	*	1 JAN 2240	129	0.	.0	55.0	*	2 JAN 0700	229	1.	.1	55.6
1 JAN 1425	30	0.	.0	55.0	*	1 JAN 2245	130	0.	.0	55.0	*	2 JAN 0705	230	1.	.1	55.6
1 JAN 1430	31	0.	.0	55.0	*	1 JAN 2250	131	0.	.0	55.0	*	2 JAN 0710	231	1.	.1	55.5
1 JAN 1435	32	0.	.0	55.0	*	1 JAN 2255	132	0.	.0	55.0	*	2 JAN 0715	232	1.	.1	55.5
1 JAN 1440	33	0.	.0	55.0	*	1 JAN 2300	133	0.	.0	55.0	*	2 JAN 0720	233	1.	.1	55.5
1 JAN 1445	34	0.	.0	55.0	*	1 JAN 2305	134	0.	.0	55.0	*	2 JAN 0725	234	1.	.1	55.5

1 JAN 1450	35	0.	.0	55.0	*	1 JAN 2310 135	0.	.0	55.0	*	2 JAN 0730 235	1.	.1	55.5
1 JAN 1455	36	0.	.0	55.0	*	1 JAN 2315 136	0.	.0	55.0	*	2 JAN 0735 236	1.	.1	55.5
1 JAN 1500	37	0.	.0	55.0	*	1 JAN 2320 137	0.	.0	55.0	*	2 JAN 0740 237	1.	.1	55.5
1 JAN 1505	38	0.	.0	55.0	*	1 JAN 2325 138	0.	.0	55.0	*	2 JAN 0745 238	1.	.1	55.5
1 JAN 1510	39	0.	.0	55.0	*	1 JAN 2330 139	0.	.0	55.0	*	2 JAN 0750 239	1.	.1	55.5
1 JAN 1515	40	0.	.0	55.0	*	1 JAN 2335 140	0.	.0	55.0	*	2 JAN 0755 240	1.	.1	55.4
1 JAN 1520	41	0.	.0	55.0	*	1 JAN 2340 141	0.	.0	55.0	*	2 JAN 0800 241	1.	.1	55.4
1 JAN 1525	42	0.	.0	55.0	*	1 JAN 2345 142	0.	.0	55.0	*	2 JAN 0805 242	1.	.1	55.4
1 JAN 1530	43	0.	.0	55.0	*	1 JAN 2350 143	0.	.0	55.0	*	2 JAN 0810 243	1.	.1	55.4
1 JAN 1535	44	0.	.0	55.0	*	1 JAN 2355 144	0.	.0	55.0	*	2 JAN 0815 244	1.	.1	55.4
1 JAN 1540	45	0.	.0	55.0	*	2 JAN 0000 145	0.	.0	55.0	*	2 JAN 0820 245	1.	.1	55.4
1 JAN 1545	46	0.	.0	55.0	*	2 JAN 0005 146	0.	.0	55.0	*	2 JAN 0825 246	1.	.1	55.4
1 JAN 1550	47	0.	.0	55.0	*	2 JAN 0010 147	0.	.0	55.0	*	2 JAN 0830 247	1.	.1	55.4
1 JAN 1555	48	0.	.0	55.0	*	2 JAN 0015 148	0.	.0	55.0	*	2 JAN 0835 248	1.	.1	55.4
1 JAN 1600	49	0.	.0	55.0	*	2 JAN 0020 149	0.	.0	55.0	*	2 JAN 0840 249	1.	.1	55.4
1 JAN 1605	50	0.	.0	55.0	*	2 JAN 0025 150	0.	.0	55.0	*	2 JAN 0845 250	1.	.1	55.4
1 JAN 1610	51	0.	.0	55.0	*	2 JAN 0030 151	0.	.0	55.0	*	2 JAN 0850 251	1.	.1	55.4
1 JAN 1615	52	0.	.0	55.0	*	2 JAN 0035 152	0.	.0	55.0	*	2 JAN 0855 252	1.	.1	55.3
1 JAN 1620	53	0.	.0	55.0	*	2 JAN 0040 153	0.	.0	55.0	*	2 JAN 0900 253	1.	.1	55.3
1 JAN 1625	54	0.	.0	55.0	*	2 JAN 0045 154	0.	.0	55.0	*	2 JAN 0905 254	1.	.1	55.3
1 JAN 1630	55	0.	.0	55.0	*	2 JAN 0050 155	0.	.0	55.0	*	2 JAN 0910 255	1.	.1	55.3
1 JAN 1635	56	0.	.0	55.0	*	2 JAN 0055 156	0.	.0	55.0	*	2 JAN 0915 256	1.	.1	55.3
1 JAN 1640	57	0.	.0	55.0	*	2 JAN 0100 157	0.	.0	55.0	*	2 JAN 0920 257	1.	.1	55.3
1 JAN 1645	58	0.	.0	55.0	*	2 JAN 0105 158	0.	.0	55.0	*	2 JAN 0925 258	1.	.1	55.3
1 JAN 1650	59	0.	.0	55.0	*	2 JAN 0110 159	0.	.0	55.0	*	2 JAN 0930 259	1.	.1	55.3
1 JAN 1655	60	0.	.0	55.0	*	2 JAN 0115 160	0.	.0	55.0	*	2 JAN 0935 260	1.	.1	55.3
1 JAN 1700	61	0.	.0	55.0	*	2 JAN 0120 161	0.	.0	55.0	*	2 JAN 0940 261	1.	.1	55.3
1 JAN 1705	62	0.	.0	55.0	*	2 JAN 0125 162	0.	.0	55.0	*	2 JAN 0945 262	1.	.1	55.3
1 JAN 1710	63	0.	.0	55.0	*	2 JAN 0130 163	0.	.0	55.0	*	2 JAN 0950 263	1.	.1	55.3
1 JAN 1715	64	0.	.0	55.0	*	2 JAN 0135 164	0.	.0	55.0	*	2 JAN 0955 264	1.	.1	55.3
1 JAN 1720	65	0.	.0	55.0	*	2 JAN 0140 165	0.	.0	55.0	*	2 JAN 1000 265	1.	.1	55.3
1 JAN 1725	66	0.	.0	55.0	*	2 JAN 0145 166	0.	.0	55.0	*	2 JAN 1005 266	1.	.1	55.3
1 JAN 1730	67	0.	.0	55.0	*	2 JAN 0150 167	0.	.0	55.0	*	2 JAN 1010 267	1.	.1	55.3
1 JAN 1735	68	0.	.0	55.0	*	2 JAN 0155 168	0.	.0	55.0	*	2 JAN 1015 268	1.	.1	55.3
1 JAN 1740	69	0.	.0	55.0	*	2 JAN 0200 169	0.	.0	55.0	*	2 JAN 1020 269	1.	.1	55.3
1 JAN 1745	70	0.	.0	55.0	*	2 JAN 0205 170	0.	.0	55.0	*	2 JAN 1025 270	1.	.1	55.3
1 JAN 1750	71	0.	.0	55.0	*	2 JAN 0210 171	0.	.0	55.0	*	2 JAN 1030 271	0.	.1	55.3
1 JAN 1755	72	0.	.0	55.0	*	2 JAN 0215 172	0.	.0	55.0	*	2 JAN 1035 272	0.	.1	55.3
1 JAN 1800	73	0.	.0	55.0	*	2 JAN 0220 173	0.	.0	55.0	*	2 JAN 1040 273	0.	.1	55.3
1 JAN 1805	74	0.	.0	55.0	*	2 JAN 0225 174	0.	.0	55.0	*	2 JAN 1045 274	0.	.1	55.3
1 JAN 1810	75	0.	.0	55.0	*	2 JAN 0230 175	0.	.0	55.0	*	2 JAN 1050 275	0.	.1	55.2
1 JAN 1815	76	0.	.0	55.0	*	2 JAN 0235 176	0.	.0	55.0	*	2 JAN 1055 276	0.	.1	55.2
1 JAN 1820	77	0.	.0	55.0	*	2 JAN 0240 177	0.	.0	55.0	*	2 JAN 1100 277	0.	.1	55.2
1 JAN 1825	78	0.	.0	55.0	*	2 JAN 0245 178	0.	.0	55.0	*	2 JAN 1105 278	0.	.1	55.2
1 JAN 1830	79	0.	.0	55.0	*	2 JAN 0250 179	0.	.0	55.0	*	2 JAN 1110 279	0.	.1	55.2
1 JAN 1835	80	0.	.0	55.0	*	2 JAN 0255 180	0.	.0	55.0	*	2 JAN 1115 280	0.	.1	55.2
1 JAN 1840	81	0.	.0	55.0	*	2 JAN 0300 181	0.	.0	55.0	*	2 JAN 1120 281	0.	.1	55.2
1 JAN 1845	82	0.	.0	55.0	*	2 JAN 0305 182	0.	.0	55.0	*	2 JAN 1125 282	0.	.1	55.2
1 JAN 1850	83	0.	.0	55.0	*	2 JAN 0310 183	0.	.0	55.0	*	2 JAN 1130 283	0.	.1	55.2
1 JAN 1855	84	0.	.0	55.0	*	2 JAN 0315 184	0.	.0	55.0	*	2 JAN 1135 284	0.	.1	55.2
1 JAN 1900	85	0.	.0	55.0	*	2 JAN 0320 185	0.	.0	55.0	*	2 JAN 1140 285	0.	.0	55.2
1 JAN 1905	86	0.	.0	55.0	*	2 JAN 0325 186	0.	.0	55.0	*	2 JAN 1145 286	0.	.0	55.2
1 JAN 1910	87	0.	.0	55.0	*	2 JAN 0330 187	0.	.0	55.0	*	2 JAN 1150 287	0.	.0	55.2
1 JAN 1915	88	0.	.0	55.0	*	2 JAN 0335 188	0.	.0	55.1	*	2 JAN 1155 288	0.	.0	55.2
1 JAN 1920	89	0.	.0	55.0	*	2 JAN 0340 189	0.	.0	55.1	*	2 JAN 1200 289	0.	.0	55.2
1 JAN 1925	90	0.	.0	55.0	*	2 JAN 0345 190	0.	.0	55.1	*	2 JAN 1205 290	0.	.0	55.2
1 JAN 1930	91	0.	.0	55.0	*	2 JAN 0350 191	0.	.0	55.1	*	2 JAN 1210 291	0.	.0	55.2
1 JAN 1935	92	0.	.0	55.0	*	2 JAN 0355 192	0.	.0	55.2	*	2 JAN 1215 292	0.	.0	55.2
1 JAN 1940	93	0.	.0	55.0	*	2 JAN 0400 193	1.	.1	55.4	*	2 JAN 1220 293	0.	.0	55.2
1 JAN 1945	94	0.	.0	55.0	*	2 JAN 0405 194	1.	.2	55.7	*	2 JAN 1225 294	0.	.0	55.2

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 1 JAN 1950  95      0.      .0    55.0 *  2 JAN 0410 195      2.      .2    56.0 *  2 JAN 1230 295      0.      .0    55.2
 1 JAN 1955  96      0.      .0    55.0 *  2 JAN 0415 196      2.      .2    56.0 *  2 JAN 1235 296      0.      .0    55.1
 1 JAN 2000  97      0.      .0    55.0 *  2 JAN 0420 197      2.      .2    56.0 *  2 JAN 1240 297      0.      .0    55.1
 1 JAN 2005  98      0.      .0    55.0 *  2 JAN 0425 198      2.      .3    56.0 *  2 JAN 1245 298      0.      .0    55.1
 1 JAN 2010  99      0.      .0    55.0 *  2 JAN 0430 199      2.      .3    56.0 *  2 JAN 1250 299      0.      .0    55.1
 1 JAN 2015 100      0.      .0    55.0 *  2 JAN 0435 200      2.      .3    56.0 *  2 JAN 1255 300      0.      .0    55.1
                                          *                                           *
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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
   (CFS)       (HR)                  6-HR       24-HR       72-HR     24.92-HR
      2.      16.50        (CFS)      1.          0.          0.          0.
                         (INCHES)    .278        .331        .331        .331
                          (AC-FT)      1.          1.          1.          1.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
  (AC-FT)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
      0.      16.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
   (FEET)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
   56.05      16.50                 55.63       55.19       55.18       55.18

                        CUMULATIVE AREA =      .04 SQ MI


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          *           *
143 KK    *     RT_C1 *
          *           *
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144 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                      IPNCH          0  PUNCH COMPUTED HYDROGRAPH
                       IOUT         21  SAVE HYDROGRAPH ON THIS UNIT
                      ISAV1          1  FIRST ORDINATE PUNCHED OR SAVED
                      ISAV2        300  LAST ORDINATE PUNCHED OR SAVED
                     TIMINT       .083  TIME INTERVAL IN HOURS

                         ROUTE THROUGH MAIN LINE FROM LINE C TO CONNECTION 1
                         THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 1.8'X 1.8' BOX, WHICH HAS
                         THE SAME X-SECTIONAL AREA AS A 24" PIPE

             HYDROGRAPH ROUTING DATA

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

149 RC          NORMAL DEPTH CHANNEL
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ANL	.013	LEFT OVERBANK N-VALUE
ANCH	.013	MAIN CHANNEL N-VALUE
ANR	.013	RIGHT OVERBANK N-VALUE
RLNTH	1250.	REACH LENGTH
SEL	.0036	ENERGY SLOPE
ELMAX	.0	MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

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

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.00	.01	.01	.02	.02	.03	.03	.04	.04
OUTFLOW	.00	.23	.68	1.27	1.94	2.69	3.48	4.32	5.19	6.09
ELEVATION	1.00	1.09	1.19	1.28	1.38	1.47	1.57	1.66	1.76	1.85
STORAGE	.05	.05	.06	.06	.07	.07	.08	.08	.09	.09
OUTFLOW	7.00	7.94	8.89	9.86	10.84	11.82	12.82	13.82	14.83	15.85
ELEVATION	1.95	2.04	2.14	2.23	2.33	2.42	2.52	2.61	2.71	2.80

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HYDROGRAPH AT STATION RT_C1

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	1.0	*	1 JAN 2020	101	0.	.0	1.0	*	2 JAN 0440	201	2.	.0	1.4
1 JAN 1205	2	0.	.0	1.0	*	1 JAN 2025	102	0.	.0	1.0	*	2 JAN 0445	202	2.	.0	1.4
1 JAN 1210	3	0.	.0	1.0	*	1 JAN 2030	103	0.	.0	1.0	*	2 JAN 0450	203	2.	.0	1.4
1 JAN 1215	4	0.	.0	1.0	*	1 JAN 2035	104	0.	.0	1.0	*	2 JAN 0455	204	2.	.0	1.4
1 JAN 1220	5	0.	.0	1.0	*	1 JAN 2040	105	0.	.0	1.0	*	2 JAN 0500	205	2.	.0	1.4
1 JAN 1225	6	0.	.0	1.0	*	1 JAN 2045	106	0.	.0	1.0	*	2 JAN 0505	206	2.	.0	1.4
1 JAN 1230	7	0.	.0	1.0	*	1 JAN 2050	107	0.	.0	1.0	*	2 JAN 0510	207	2.	.0	1.4
1 JAN 1235	8	0.	.0	1.0	*	1 JAN 2055	108	0.	.0	1.0	*	2 JAN 0515	208	2.	.0	1.4
1 JAN 1240	9	0.	.0	1.0	*	1 JAN 2100	109	0.	.0	1.0	*	2 JAN 0520	209	2.	.0	1.4
1 JAN 1245	10	0.	.0	1.0	*	1 JAN 2105	110	0.	.0	1.0	*	2 JAN 0525	210	2.	.0	1.4
1 JAN 1250	11	0.	.0	1.0	*	1 JAN 2110	111	0.	.0	1.0	*	2 JAN 0530	211	2.	.0	1.4
1 JAN 1255	12	0.	.0	1.0	*	1 JAN 2115	112	0.	.0	1.0	*	2 JAN 0535	212	2.	.0	1.4
1 JAN 1300	13	0.	.0	1.0	*	1 JAN 2120	113	0.	.0	1.0	*	2 JAN 0540	213	2.	.0	1.3
1 JAN 1305	14	0.	.0	1.0	*	1 JAN 2125	114	0.	.0	1.0	*	2 JAN 0545	214	2.	.0	1.3
1 JAN 1310	15	0.	.0	1.0	*	1 JAN 2130	115	0.	.0	1.0	*	2 JAN 0550	215	2.	.0	1.3
1 JAN 1315	16	0.	.0	1.0	*	1 JAN 2135	116	0.	.0	1.0	*	2 JAN 0555	216	2.	.0	1.3
1 JAN 1320	17	0.	.0	1.0	*	1 JAN 2140	117	0.	.0	1.0	*	2 JAN 0600	217	2.	.0	1.3
1 JAN 1325	18	0.	.0	1.0	*	1 JAN 2145	118	0.	.0	1.0	*	2 JAN 0605	218	2.	.0	1.3
1 JAN 1330	19	0.	.0	1.0	*	1 JAN 2150	119	0.	.0	1.0	*	2 JAN 0610	219	1.	.0	1.3
1 JAN 1335	20	0.	.0	1.0	*	1 JAN 2155	120	0.	.0	1.0	*	2 JAN 0615	220	1.	.0	1.3
1 JAN 1340	21	0.	.0	1.0	*	1 JAN 2200	121	0.	.0	1.0	*	2 JAN 0620	221	1.	.0	1.3
1 JAN 1345	22	0.	.0	1.0	*	1 JAN 2205	122	0.	.0	1.0	*	2 JAN 0625	222	1.	.0	1.3
1 JAN 1350	23	0.	.0	1.0	*	1 JAN 2210	123	0.	.0	1.0	*	2 JAN 0630	223	1.	.0	1.3
1 JAN 1355	24	0.	.0	1.0	*	1 JAN 2215	124	0.	.0	1.0	*	2 JAN 0635	224	1.	.0	1.3
1 JAN 1400	25	0.	.0	1.0	*	1 JAN 2220	125	0.	.0	1.0	*	2 JAN 0640	225	1.	.0	1.3
1 JAN 1405	26	0.	.0	1.0	*	1 JAN 2225	126	0.	.0	1.0	*	2 JAN 0645	226	1.	.0	1.3
1 JAN 1410	27	0.	.0	1.0	*	1 JAN 2230	127	0.	.0	1.0	*	2 JAN 0650	227	1.	.0	1.3

1	JAN	1415	28	0.	.0	1.0	*	1 JAN 2235	128	0.	.0	1.0	*	2 JAN 0655	228	1.	.0	1.3
1	JAN	1420	29	0.	.0	1.0	*	1 JAN 2240	129	0.	.0	1.0	*	2 JAN 0700	229	1.	.0	1.3
1	JAN	1425	30	0.	.0	1.0	*	1 JAN 2245	130	0.	.0	1.0	*	2 JAN 0705	230	1.	.0	1.3
1	JAN	1430	31	0.	.0	1.0	*	1 JAN 2250	131	0.	.0	1.0	*	2 JAN 0710	231	1.	.0	1.3
1	JAN	1435	32	0.	.0	1.0	*	1 JAN 2255	132	0.	.0	1.0	*	2 JAN 0715	232	1.	.0	1.2
1	JAN	1440	33	0.	.0	1.0	*	1 JAN 2300	133	0.	.0	1.0	*	2 JAN 0720	233	1.	.0	1.2
1	JAN	1445	34	0.	.0	1.0	*	1 JAN 2305	134	0.	.0	1.0	*	2 JAN 0725	234	1.	.0	1.2
1	JAN	1450	35	0.	.0	1.0	*	1 JAN 2310	135	0.	.0	1.0	*	2 JAN 0730	235	1.	.0	1.2
1	JAN	1455	36	0.	.0	1.0	*	1 JAN 2315	136	0.	.0	1.0	*	2 JAN 0735	236	1.	.0	1.2
1	JAN	1500	37	0.	.0	1.0	*	1 JAN 2320	137	0.	.0	1.0	*	2 JAN 0740	237	1.	.0	1.2
1	JAN	1505	38	0.	.0	1.0	*	1 JAN 2325	138	0.	.0	1.0	*	2 JAN 0745	238	1.	.0	1.2
1	JAN	1510	39	0.	.0	1.0	*	1 JAN 2330	139	0.	.0	1.0	*	2 JAN 0750	239	1.	.0	1.2
1	JAN	1515	40	0.	.0	1.0	*	1 JAN 2335	140	0.	.0	1.0	*	2 JAN 0755	240	1.	.0	1.2
1	JAN	1520	41	0.	.0	1.0	*	1 JAN 2340	141	0.	.0	1.0	*	2 JAN 0800	241	1.	.0	1.2
1	JAN	1525	42	0.	.0	1.0	*	1 JAN 2345	142	0.	.0	1.0	*	2 JAN 0805	242	1.	.0	1.2
1	JAN	1530	43	0.	.0	1.0	*	1 JAN 2350	143	0.	.0	1.0	*	2 JAN 0810	243	1.	.0	1.2
1	JAN	1535	44	0.	.0	1.0	*	1 JAN 2355	144	0.	.0	1.0	*	2 JAN 0815	244	1.	.0	1.2
1	JAN	1540	45	0.	.0	1.0	*	2 JAN 0000	145	0.	.0	1.0	*	2 JAN 0820	245	1.	.0	1.2
1	JAN	1545	46	0.	.0	1.0	*	2 JAN 0005	146	0.	.0	1.0	*	2 JAN 0825	246	1.	.0	1.2
1	JAN	1550	47	0.	.0	1.0	*	2 JAN 0010	147	0.	.0	1.0	*	2 JAN 0830	247	1.	.0	1.2
1	JAN	1555	48	0.	.0	1.0	*	2 JAN 0015	148	0.	.0	1.0	*	2 JAN 0835	248	1.	.0	1.2
1	JAN	1600	49	0.	.0	1.0	*	2 JAN 0020	149	0.	.0	1.0	*	2 JAN 0840	249	1.	.0	1.2
1	JAN	1605	50	0.	.0	1.0	*	2 JAN 0025	150	0.	.0	1.0	*	2 JAN 0845	250	1.	.0	1.2
1	JAN	1610	51	0.	.0	1.0	*	2 JAN 0030	151	0.	.0	1.0	*	2 JAN 0850	251	1.	.0	1.2
1	JAN	1615	52	0.	.0	1.0	*	2 JAN 0035	152	0.	.0	1.0	*	2 JAN 0855	252	1.	.0	1.2
1	JAN	1620	53	0.	.0	1.0	*	2 JAN 0040	153	0.	.0	1.0	*	2 JAN 0900	253	1.	.0	1.2
1	JAN	1625	54	0.	.0	1.0	*	2 JAN 0045	154	0.	.0	1.0	*	2 JAN 0905	254	1.	.0	1.2
1	JAN	1630	55	0.	.0	1.0	*	2 JAN 0050	155	0.	.0	1.0	*	2 JAN 0910	255	1.	.0	1.2
1	JAN	1635	56	0.	.0	1.0	*	2 JAN 0055	156	0.	.0	1.0	*	2 JAN 0915	256	1.	.0	1.2
1	JAN	1640	57	0.	.0	1.0	*	2 JAN 0100	157	0.	.0	1.0	*	2 JAN 0920	257	1.	.0	1.2
1	JAN	1645	58	0.	.0	1.0	*	2 JAN 0105	158	0.	.0	1.0	*	2 JAN 0925	258	1.	.0	1.2
1	JAN	1650	59	0.	.0	1.0	*	2 JAN 0110	159	0.	.0	1.0	*	2 JAN 0930	259	1.	.0	1.2
1	JAN	1655	60	0.	.0	1.0	*	2 JAN 0115	160	0.	.0	1.0	*	2 JAN 0935	260	1.	.0	1.2
1	JAN	1700	61	0.	.0	1.0	*	2 JAN 0120	161	0.	.0	1.0	*	2 JAN 0940	261	1.	.0	1.2
1	JAN	1705	62	0.	.0	1.0	*	2 JAN 0125	162	0.	.0	1.0	*	2 JAN 0945	262	1.	.0	1.2
1	JAN	1710	63	0.	.0	1.0	*	2 JAN 0130	163	0.	.0	1.0	*	2 JAN 0950	263	1.	.0	1.2
1	JAN	1715	64	0.	.0	1.0	*	2 JAN 0135	164	0.	.0	1.0	*	2 JAN 0955	264	1.	.0	1.2
1	JAN	1720	65	0.	.0	1.0	*	2 JAN 0140	165	0.	.0	1.0	*	2 JAN 1000	265	1.	.0	1.2
1	JAN	1725	66	0.	.0	1.0	*	2 JAN 0145	166	0.	.0	1.0	*	2 JAN 1005	266	1.	.0	1.2
1	JAN	1730	67	0.	.0	1.0	*	2 JAN 0150	167	0.	.0	1.0	*	2 JAN 1010	267	1.	.0	1.2
1	JAN	1735	68	0.	.0	1.0	*	2 JAN 0155	168	0.	.0	1.0	*	2 JAN 1015	268	1.	.0	1.2
1	JAN	1740	69	0.	.0	1.0	*	2 JAN 0200	169	0.	.0	1.0	*	2 JAN 1020	269	1.	.0	1.2
1	JAN	1745	70	0.	.0	1.0	*	2 JAN 0205	170	0.	.0	1.0	*	2 JAN 1025	270	1.	.0	1.2
1	JAN	1750	71	0.	.0	1.0	*	2 JAN 0210	171	0.	.0	1.0	*	2 JAN 1030	271	1.	.0	1.2
1	JAN	1755	72	0.	.0	1.0	*	2 JAN 0215	172	0.	.0	1.0	*	2 JAN 1035	272	1.	.0	1.2
1	JAN	1800	73	0.	.0	1.0	*	2 JAN 0220	173	0.	.0	1.0	*	2 JAN 1040	273	0.	.0	1.2
1	JAN	1805	74	0.	.0	1.0	*	2 JAN 0225	174	0.	.0	1.0	*	2 JAN 1045	274	0.	.0	1.1
1	JAN	1810	75	0.	.0	1.0	*	2 JAN 0230	175	0.	.0	1.0	*	2 JAN 1050	275	0.	.0	1.1
1	JAN	1815	76	0.	.0	1.0	*	2 JAN 0235	176	0.	.0	1.0	*	2 JAN 1055	276	0.	.0	1.1
1	JAN	1820	77	0.	.0	1.0	*	2 JAN 0240	177	0.	.0	1.0	*	2 JAN 1100	277	0.	.0	1.1
1	JAN	1825	78	0.	.0	1.0	*	2 JAN 0245	178	0.	.0	1.0	*	2 JAN 1105	278	0.	.0	1.1
1	JAN	1830	79	0.	.0	1.0	*	2 JAN 0250	179	0.	.0	1.0	*	2 JAN 1110	279	0.	.0	1.1
1	JAN	1835	80	0.	.0	1.0	*	2 JAN 0255	180	0.	.0	1.0	*	2 JAN 1115	280	0.	.0	1.1
1	JAN	1840	81	0.	.0	1.0	*	2 JAN 0300	181	0.	.0	1.0	*	2 JAN 1120	281	0.	.0	1.1
1	JAN	1845	82	0.	.0	1.0	*	2 JAN 0305	182	0.	.0	1.0	*	2 JAN 1125	282	0.	.0	1.1
1	JAN	1850	83	0.	.0	1.0	*	2 JAN 0310	183	0.	.0	1.0	*	2 JAN 1130	283	0.	.0	1.1
1	JAN	1855	84	0.	.0	1.0	*	2 JAN 0315	184	0.	.0	1.0	*	2 JAN 1135	284	0.	.0	1.1
1	JAN	1900	85	0.	.0	1.0	*	2 JAN 0320	185	0.	.0	1.0	*	2 JAN 1140	285	0.	.0	1.1
1	JAN	1905	86	0.	.0	1.0	*	2 JAN 0325	186	0.	.0	1.0	*	2 JAN 1145	286	0.	.0	1.1
1	JAN	1910	87	0.	.0	1.0	*	2 JAN 0330	187	0.	.0	1.0	*	2 JAN 1150	287	0.	.0	1.1

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 1 JAN 1915  88      0.      .0     1.0 *  2 JAN 0335 188      0.      .0     1.0 *  2 JAN 1155 288      0.      .0     1.1
 1 JAN 1920  89      0.      .0     1.0 *  2 JAN 0340 189      0.      .0     1.0 *  2 JAN 1200 289      0.      .0     1.1
 1 JAN 1925  90      0.      .0     1.0 *  2 JAN 0345 190      0.      .0     1.0 *  2 JAN 1205 290      0.      .0     1.1
 1 JAN 1930  91      0.      .0     1.0 *  2 JAN 0350 191      0.      .0     1.1 *  2 JAN 1210 291      0.      .0     1.1
 1 JAN 1935  92      0.      .0     1.0 *  2 JAN 0355 192      0.      .0     1.1 *  2 JAN 1215 292      0.      .0     1.1
 1 JAN 1940  93      0.      .0     1.0 *  2 JAN 0400 193      0.      .0     1.1 *  2 JAN 1220 293      0.      .0     1.1
 1 JAN 1945  94      0.      .0     1.0 *  2 JAN 0405 194      1.      .0     1.2 *  2 JAN 1225 294      0.      .0     1.1
 1 JAN 1950  95      0.      .0     1.0 *  2 JAN 0410 195      1.      .0     1.3 *  2 JAN 1230 295      0.      .0     1.1
 1 JAN 1955  96      0.      .0     1.0 *  2 JAN 0415 196      2.      .0     1.3 *  2 JAN 1235 296      0.      .0     1.1
 1 JAN 2000  97      0.      .0     1.0 *  2 JAN 0420 197      2.      .0     1.4 *  2 JAN 1240 297      0.      .0     1.1
 1 JAN 2005  98      0.      .0     1.0 *  2 JAN 0425 198      2.      .0     1.4 *  2 JAN 1245 298      0.      .0     1.1
 1 JAN 2010  99      0.      .0     1.0 *  2 JAN 0430 199      2.      .0     1.4 *  2 JAN 1250 299      0.      .0     1.1
 1 JAN 2015 100      0.      .0     1.0 *  2 JAN 0435 200      2.      .0     1.4 *  2 JAN 1255 300      0.      .0     1.1
                                         *                                           *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
   (CFS)       (HR)                  6-HR       24-HR       72-HR     24.92-HR
      2.      16.67        (CFS)      1.          0.          0.          0.
                         (INCHES)    .277        .329        .329        .329
                          (AC-FT)     1.          1.          1.          1.

PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
  (AC-FT)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
      0.      16.67                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
   (FEET)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
    1.38      16.67                  1.27        1.08        1.08        1.08

                         CUMULATIVE AREA =     .04 SQ MI


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


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          *           *
152 KK    *         6 *
          *           *
          *************

             SUBBASIN RUNOFF DATA

153 BA          SUBBASIN CHARACTERISTICS
                     TAREA         .06  SUBBASIN AREA

                PRECIPITATION DATA

 40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI             INCREMENTAL PRECIPITATION PATTERN
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
```

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

154 LS SCS LOSS RATE

STRTL	.74	INITIAL ABSTRACTION
CRVNBR	73.00	CURVE NUMBER
RTIMP	.00	PERCENT IMPERVIOUS AREA

155 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	.32	LAG

***

UNIT HYDROGRAPH

21 END-OF-PERIOD ORDINATES

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

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HYDROGRAPH AT STATION 6

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

1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.01	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.01	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.01	.00	1.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	1.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	1.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	1.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	1.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	1.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	1.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	1.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.02	.01	1.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.01	2.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.01	2.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.03	.01	2.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	2.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.05	.02	3.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.07	.03	4.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.23	.12	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.03	.02	10.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.02	.02	14.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	16.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.01	.01	16.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	14.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	12.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	9.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	8.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	7.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	6.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	5.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	4.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.01	4.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.01	3.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	3.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	3.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	3.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.00	.00	3.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.00	.00	2.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.00	.00	2.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	2.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	2.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	2.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	2.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	2.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	2.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	2.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	2.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	2.

1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	2.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	2.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	2.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	1.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	1.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	1.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	1.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	1.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	1.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	1.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	1.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	1.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	1.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	1.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	1.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	1.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	1.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	1.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	1.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	1.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	1.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	1.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	1.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	1.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	1.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	1.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	1.

1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	1.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	1.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	1.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	1.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	1.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	1.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	1.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	1.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	1.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.
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TOTAL RAINFALL = 2.49, TOTAL LOSS = 1.93, TOTAL EXCESS = .56

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

CUMULATIVE AREA = .06 SQ MI

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            *           *
156 KK      *    DET_6  *
            *           *
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157 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE
IPNCH	0	PUNCH COMPUTED HYDROGRAPH
IOUT	21	SAVE HYDROGRAPH ON THIS UNIT
ISAV1	1	FIRST ORDINATE PUNCHED OR SAVED
ISAV2	300	LAST ORDINATE PUNCHED OR SAVED
TIMINT	.083	TIME INTERVAL IN HOURS

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

HYDROGRAPH ROUTING DATA

159 RS STORAGE ROUTING

NSTPS	1	NUMBER OF SUBREACHES
ITYP	STOR	TYPE OF INITIAL CONDITION

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                    RSVRIC       -1.00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

160 SA              AREA          .0        .0        .6       1.6       3.4

161 SE         ELEVATION       61.50     62.00     64.00     66.00     68.00

162 SQ         DISCHARGE          0.        7.

163 SE         ELEVATION       61.50     63.91
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COMPUTED STORAGE-ELEVATION DATA

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

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.43	.48	2.51	7.37
OUTFLOW	.00	1.54	7.40	7.68	13.82	19.96
ELEVATION	61.50	62.00	63.91	64.00	66.00	68.00

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HYDROGRAPH AT STATION DET_6

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	61.5	1 JAN 2020	101	0.	.0	61.5	2 JAN 0440	201	7.	.4	63.9
1 JAN 1205	2	0.	.0	61.5	1 JAN 2025	102	0.	.0	61.5	2 JAN 0445	202	7.	.4	63.9
1 JAN 1210	3	0.	.0	61.5	1 JAN 2030	103	0.	.0	61.5	2 JAN 0450	203	7.	.4	63.9
1 JAN 1215	4	0.	.0	61.5	1 JAN 2035	104	0.	.0	61.5	2 JAN 0455	204	7.	.4	63.8
1 JAN 1220	5	0.	.0	61.5	1 JAN 2040	105	0.	.0	61.5	2 JAN 0500	205	7.	.4	63.7
1 JAN 1225	6	0.	.0	61.5	1 JAN 2045	106	0.	.0	61.5	2 JAN 0505	206	7.	.4	63.7
1 JAN 1230	7	0.	.0	61.5	1 JAN 2050	107	0.	.0	61.5	2 JAN 0510	207	6.	.4	63.6
1 JAN 1235	8	0.	.0	61.5	1 JAN 2055	108	0.	.0	61.5	2 JAN 0515	208	6.	.3	63.5
1 JAN 1240	9	0.	.0	61.5	1 JAN 2100	109	0.	.0	61.5	2 JAN 0520	209	6.	.3	63.4
1 JAN 1245	10	0.	.0	61.5	1 JAN 2105	110	0.	.0	61.5	2 JAN 0525	210	6.	.3	63.3
1 JAN 1250	11	0.	.0	61.5	1 JAN 2110	111	0.	.0	61.5	2 JAN 0530	211	5.	.3	63.2
1 JAN 1255	12	0.	.0	61.5	1 JAN 2115	112	0.	.0	61.5	2 JAN 0535	212	5.	.3	63.1
1 JAN 1300	13	0.	.0	61.5	1 JAN 2120	113	0.	.0	61.5	2 JAN 0540	213	5.	.2	63.1
1 JAN 1305	14	0.	.0	61.5	1 JAN 2125	114	0.	.0	61.5	2 JAN 0545	214	5.	.2	63.0
1 JAN 1310	15	0.	.0	61.5	1 JAN 2130	115	0.	.0	61.5	2 JAN 0550	215	4.	.2	62.9
1 JAN 1315	16	0.	.0	61.5	1 JAN 2135	116	0.	.0	61.5	2 JAN 0555	216	4.	.2	62.9
1 JAN 1320	17	0.	.0	61.5	1 JAN 2140	117	0.	.0	61.5	2 JAN 0600	217	4.	.2	62.8
1 JAN 1325	18	0.	.0	61.5	1 JAN 2145	118	0.	.0	61.5	2 JAN 0605	218	4.	.2	62.7
1 JAN 1330	19	0.	.0	61.5	1 JAN 2150	119	0.	.0	61.5	2 JAN 0610	219	4.	.2	62.7
1 JAN 1335	20	0.	.0	61.5	1 JAN 2155	120	0.	.0	61.5	2 JAN 0615	220	3.	.1	62.6
1 JAN 1340	21	0.	.0	61.5	1 JAN 2200	121	0.	.0	61.5	2 JAN 0620	221	3.	.1	62.6
1 JAN 1345	22	0.	.0	61.5	1 JAN 2205	122	0.	.0	61.5	2 JAN 0625	222	3.	.1	62.5
1 JAN 1350	23	0.	.0	61.5	1 JAN 2210	123	0.	.0	61.5	2 JAN 0630	223	3.	.1	62.5
1 JAN 1355	24	0.	.0	61.5	1 JAN 2215	124	0.	.0	61.5	2 JAN 0635	224	3.	.1	62.4
1 JAN 1400	25	0.	.0	61.5	1 JAN 2220	125	0.	.0	61.5	2 JAN 0640	225	3.	.1	62.4
1 JAN 1405	26	0.	.0	61.5	1 JAN 2225	126	0.	.0	61.5	2 JAN 0645	226	3.	.1	62.4
1 JAN 1410	27	0.	.0	61.5	1 JAN 2230	127	0.	.0	61.5	2 JAN 0650	227	3.	.1	62.3
1 JAN 1415	28	0.	.0	61.5	1 JAN 2235	128	0.	.0	61.5	2 JAN 0655	228	2.	.1	62.3

1 JAN 1420	29	0.	.0	61.5	*	1 JAN 2240 129	0.	.0	61.5	*	2 JAN 0700 229	2.	.1	62.3
1 JAN 1425	30	0.	.0	61.5	*	1 JAN 2245 130	0.	.0	61.5	*	2 JAN 0705 230	2.	.1	62.2
1 JAN 1430	31	0.	.0	61.5	*	1 JAN 2250 131	0.	.0	61.5	*	2 JAN 0710 231	2.	.1	62.2
1 JAN 1435	32	0.	.0	61.5	*	1 JAN 2255 132	0.	.0	61.5	*	2 JAN 0715 232	2.	.0	62.2
1 JAN 1440	33	0.	.0	61.5	*	1 JAN 2300 133	0.	.0	61.5	*	2 JAN 0720 233	2.	.0	62.2
1 JAN 1445	34	0.	.0	61.5	*	1 JAN 2305 134	0.	.0	61.5	*	2 JAN 0725 234	2.	.0	62.1
1 JAN 1450	35	0.	.0	61.5	*	1 JAN 2310 135	0.	.0	61.5	*	2 JAN 0730 235	2.	.0	62.1
1 JAN 1455	36	0.	.0	61.5	*	1 JAN 2315 136	0.	.0	61.5	*	2 JAN 0735 236	2.	.0	62.1
1 JAN 1500	37	0.	.0	61.5	*	1 JAN 2320 137	0.	.0	61.5	*	2 JAN 0740 237	2.	.0	62.1
1 JAN 1505	38	0.	.0	61.5	*	1 JAN 2325 138	0.	.0	61.5	*	2 JAN 0745 238	2.	.0	62.1
1 JAN 1510	39	0.	.0	61.5	*	1 JAN 2330 139	0.	.0	61.5	*	2 JAN 0750 239	2.	.0	62.0
1 JAN 1515	40	0.	.0	61.5	*	1 JAN 2335 140	0.	.0	61.5	*	2 JAN 0755 240	2.	.0	62.0
1 JAN 1520	41	0.	.0	61.5	*	1 JAN 2340 141	0.	.0	61.5	*	2 JAN 0800 241	2.	.0	62.0
1 JAN 1525	42	0.	.0	61.5	*	1 JAN 2345 142	0.	.0	61.5	*	2 JAN 0805 242	2.	.0	62.0
1 JAN 1530	43	0.	.0	61.5	*	1 JAN 2350 143	0.	.0	61.5	*	2 JAN 0810 243	1.	.0	61.9
1 JAN 1535	44	0.	.0	61.5	*	1 JAN 2355 144	0.	.0	61.5	*	2 JAN 0815 244	1.	.0	61.9
1 JAN 1540	45	0.	.0	61.5	*	2 JAN 0000 145	0.	.0	61.5	*	2 JAN 0820 245	1.	.0	61.8
1 JAN 1545	46	0.	.0	61.5	*	2 JAN 0005 146	0.	.0	61.5	*	2 JAN 0825 246	1.	.0	61.8
1 JAN 1550	47	0.	.0	61.5	*	2 JAN 0010 147	0.	.0	61.5	*	2 JAN 0830 247	1.	.0	61.8
1 JAN 1555	48	0.	.0	61.5	*	2 JAN 0015 148	0.	.0	61.5	*	2 JAN 0835 248	1.	.0	61.8
1 JAN 1600	49	0.	.0	61.5	*	2 JAN 0020 149	0.	.0	61.5	*	2 JAN 0840 249	1.	.0	61.8
1 JAN 1605	50	0.	.0	61.5	*	2 JAN 0025 150	0.	.0	61.5	*	2 JAN 0845 250	1.	.0	61.8
1 JAN 1610	51	0.	.0	61.5	*	2 JAN 0030 151	0.	.0	61.5	*	2 JAN 0850 251	1.	.0	61.8
1 JAN 1615	52	0.	.0	61.5	*	2 JAN 0035 152	0.	.0	61.5	*	2 JAN 0855 252	1.	.0	61.8
1 JAN 1620	53	0.	.0	61.5	*	2 JAN 0040 153	0.	.0	61.5	*	2 JAN 0900 253	1.	.0	61.8
1 JAN 1625	54	0.	.0	61.5	*	2 JAN 0045 154	0.	.0	61.5	*	2 JAN 0905 254	1.	.0	61.8
1 JAN 1630	55	0.	.0	61.5	*	2 JAN 0050 155	0.	.0	61.5	*	2 JAN 0910 255	1.	.0	61.8
1 JAN 1635	56	0.	.0	61.5	*	2 JAN 0055 156	0.	.0	61.5	*	2 JAN 0915 256	1.	.0	61.8
1 JAN 1640	57	0.	.0	61.5	*	2 JAN 0100 157	0.	.0	61.5	*	2 JAN 0920 257	1.	.0	61.8
1 JAN 1645	58	0.	.0	61.5	*	2 JAN 0105 158	0.	.0	61.5	*	2 JAN 0925 258	1.	.0	61.8
1 JAN 1650	59	0.	.0	61.5	*	2 JAN 0110 159	0.	.0	61.5	*	2 JAN 0930 259	1.	.0	61.8
1 JAN 1655	60	0.	.0	61.5	*	2 JAN 0115 160	0.	.0	61.5	*	2 JAN 0935 260	1.	.0	61.8
1 JAN 1700	61	0.	.0	61.5	*	2 JAN 0120 161	0.	.0	61.5	*	2 JAN 0940 261	1.	.0	61.8
1 JAN 1705	62	0.	.0	61.5	*	2 JAN 0125 162	0.	.0	61.5	*	2 JAN 0945 262	1.	.0	61.8
1 JAN 1710	63	0.	.0	61.5	*	2 JAN 0130 163	0.	.0	61.5	*	2 JAN 0950 263	1.	.0	61.8
1 JAN 1715	64	0.	.0	61.5	*	2 JAN 0135 164	0.	.0	61.5	*	2 JAN 0955 264	1.	.0	61.8
1 JAN 1720	65	0.	.0	61.5	*	2 JAN 0140 165	0.	.0	61.5	*	2 JAN 1000 265	1.	.0	61.8
1 JAN 1725	66	0.	.0	61.5	*	2 JAN 0145 166	0.	.0	61.5	*	2 JAN 1005 266	1.	.0	61.8
1 JAN 1730	67	0.	.0	61.5	*	2 JAN 0150 167	0.	.0	61.5	*	2 JAN 1010 267	1.	.0	61.8
1 JAN 1735	68	0.	.0	61.5	*	2 JAN 0155 168	0.	.0	61.5	*	2 JAN 1015 268	1.	.0	61.8
1 JAN 1740	69	0.	.0	61.5	*	2 JAN 0200 169	0.	.0	61.5	*	2 JAN 1020 269	1.	.0	61.8
1 JAN 1745	70	0.	.0	61.5	*	2 JAN 0205 170	0.	.0	61.5	*	2 JAN 1025 270	1.	.0	61.8
1 JAN 1750	71	0.	.0	61.5	*	2 JAN 0210 171	0.	.0	61.6	*	2 JAN 1030 271	1.	.0	61.8
1 JAN 1755	72	0.	.0	61.5	*	2 JAN 0215 172	0.	.0	61.6	*	2 JAN 1035 272	1.	.0	61.8
1 JAN 1800	73	0.	.0	61.5	*	2 JAN 0220 173	0.	.0	61.6	*	2 JAN 1040 273	1.	.0	61.8
1 JAN 1805	74	0.	.0	61.5	*	2 JAN 0225 174	0.	.0	61.6	*	2 JAN 1045 274	1.	.0	61.8
1 JAN 1810	75	0.	.0	61.5	*	2 JAN 0230 175	0.	.0	61.6	*	2 JAN 1050 275	1.	.0	61.8
1 JAN 1815	76	0.	.0	61.5	*	2 JAN 0235 176	0.	.0	61.6	*	2 JAN 1055 276	1.	.0	61.8
1 JAN 1820	77	0.	.0	61.5	*	2 JAN 0240 177	0.	.0	61.6	*	2 JAN 1100 277	1.	.0	61.8
1 JAN 1825	78	0.	.0	61.5	*	2 JAN 0245 178	0.	.0	61.7	*	2 JAN 1105 278	1.	.0	61.8
1 JAN 1830	79	0.	.0	61.5	*	2 JAN 0250 179	1.	.0	61.7	*	2 JAN 1110 279	1.	.0	61.8
1 JAN 1835	80	0.	.0	61.5	*	2 JAN 0255 180	1.	.0	61.7	*	2 JAN 1115 280	1.	.0	61.7
1 JAN 1840	81	0.	.0	61.5	*	2 JAN 0300 181	1.	.0	61.7	*	2 JAN 1120 281	1.	.0	61.7
1 JAN 1845	82	0.	.0	61.5	*	2 JAN 0305 182	1.	.0	61.8	*	2 JAN 1125 282	1.	.0	61.7
1 JAN 1850	83	0.	.0	61.5	*	2 JAN 0310 183	1.	.0	61.8	*	2 JAN 1130 283	1.	.0	61.7
1 JAN 1855	84	0.	.0	61.5	*	2 JAN 0315 184	1.	.0	61.8	*	2 JAN 1135 284	1.	.0	61.7
1 JAN 1900	85	0.	.0	61.5	*	2 JAN 0320 185	1.	.0	61.9	*	2 JAN 1140 285	1.	.0	61.7
1 JAN 1905	86	0.	.0	61.5	*	2 JAN 0325 186	1.	.0	61.9	*	2 JAN 1145 286	1.	.0	61.7
1 JAN 1910	87	0.	.0	61.5	*	2 JAN 0330 187	1.	.0	62.0	*	2 JAN 1150 287	1.	.0	61.7
1 JAN 1915	88	0.	.0	61.5	*	2 JAN 0335 188	2.	.0	62.0	*	2 JAN 1155 288	1.	.0	61.7

1 JAN 1920	89	0.	.0	61.5	*	2 JAN 0340	189	2.	.0	62.0	*	2 JAN 1200	289	1.	.0	61.7
1 JAN 1925	90	0.	.0	61.5	*	2 JAN 0345	190	2.	.0	62.0	*	2 JAN 1205	290	1.	.0	61.7
1 JAN 1930	91	0.	.0	61.5	*	2 JAN 0350	191	2.	.0	62.1	*	2 JAN 1210	291	1.	.0	61.7
1 JAN 1935	92	0.	.0	61.5	*	2 JAN 0355	192	2.	.0	62.1	*	2 JAN 1215	292	0.	.0	61.7
1 JAN 1940	93	0.	.0	61.5	*	2 JAN 0400	193	2.	.0	62.2	*	2 JAN 1220	293	0.	.0	61.6
1 JAN 1945	94	0.	.0	61.5	*	2 JAN 0405	194	3.	.1	62.4	*	2 JAN 1225	294	0.	.0	61.6
1 JAN 1950	95	0.	.0	61.5	*	2 JAN 0410	195	3.	.1	62.6	*	2 JAN 1230	295	0.	.0	61.6
1 JAN 1955	96	0.	.0	61.5	*	2 JAN 0415	196	4.	.2	63.0	*	2 JAN 1235	296	0.	.0	61.5
1 JAN 2000	97	0.	.0	61.5	*	2 JAN 0420	197	6.	.3	63.3	*	2 JAN 1240	297	0.	.0	61.5
1 JAN 2005	98	0.	.0	61.5	*	2 JAN 0425	198	6.	.4	63.6	*	2 JAN 1245	298	0.	.0	61.5
1 JAN 2010	99	0.	.0	61.5	*	2 JAN 0430	199	7.	.4	63.8	*	2 JAN 1250	299	0.	.0	61.5
1 JAN 2015	100	0.	.0	61.5	*	2 JAN 0435	200	7.	.4	63.9	*	2 JAN 1255	300	0.	.0	61.5
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
7.	16.67	(CFS)	3.	1.	1.	1.
		(INCHES)	.484	.564	.564	.564
		(AC-FT)	2.	2.	2.	2.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.92-HR
0.	16.67	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.92-HR
63.91	16.67	62.52	61.80	61.79	61.79

CUMULATIVE AREA = .06 SQ MI

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164 KK      *   MAIN_1  *
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Q IN MAIN LINE ATER CONFLUENCE WITH CONNECTION 1

166 HC HYDROGRAPH COMBINATION

ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION MAIN_1

SUM OF 2 HYDROGRAPHS

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DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
1 JAN 1200	1	0.	*	1 JAN 1815	76	0.	*	2 JAN 0030	151	0.	*	2 JAN 0645	226	4.
1 JAN 1205	2	0.	*	1 JAN 1820	77	0.	*	2 JAN 0035	152	0.	*	2 JAN 0650	227	4.

1 JAN 1210	3	0.	*	1 JAN 1825	78	0.	*	2 JAN 0040	153	0.	*	2 JAN 0655	228	4.
1 JAN 1215	4	0.	*	1 JAN 1830	79	0.	*	2 JAN 0045	154	0.	*	2 JAN 0700	229	3.
1 JAN 1220	5	0.	*	1 JAN 1835	80	0.	*	2 JAN 0050	155	0.	*	2 JAN 0705	230	3.
1 JAN 1225	6	0.	*	1 JAN 1840	81	0.	*	2 JAN 0055	156	0.	*	2 JAN 0710	231	3.
1 JAN 1230	7	0.	*	1 JAN 1845	82	0.	*	2 JAN 0100	157	0.	*	2 JAN 0715	232	3.
1 JAN 1235	8	0.	*	1 JAN 1850	83	0.	*	2 JAN 0105	158	0.	*	2 JAN 0720	233	3.
1 JAN 1240	9	0.	*	1 JAN 1855	84	0.	*	2 JAN 0110	159	0.	*	2 JAN 0725	234	3.
1 JAN 1245	10	0.	*	1 JAN 1900	85	0.	*	2 JAN 0115	160	0.	*	2 JAN 0730	235	3.
1 JAN 1250	11	0.	*	1 JAN 1905	86	0.	*	2 JAN 0120	161	0.	*	2 JAN 0735	236	3.
1 JAN 1255	12	0.	*	1 JAN 1910	87	0.	*	2 JAN 0125	162	0.	*	2 JAN 0740	237	3.
1 JAN 1300	13	0.	*	1 JAN 1915	88	0.	*	2 JAN 0130	163	0.	*	2 JAN 0745	238	3.
1 JAN 1305	14	0.	*	1 JAN 1920	89	0.	*	2 JAN 0135	164	0.	*	2 JAN 0750	239	3.
1 JAN 1310	15	0.	*	1 JAN 1925	90	0.	*	2 JAN 0140	165	0.	*	2 JAN 0755	240	2.
1 JAN 1315	16	0.	*	1 JAN 1930	91	0.	*	2 JAN 0145	166	0.	*	2 JAN 0800	241	2.
1 JAN 1320	17	0.	*	1 JAN 1935	92	0.	*	2 JAN 0150	167	0.	*	2 JAN 0805	242	2.
1 JAN 1325	18	0.	*	1 JAN 1940	93	0.	*	2 JAN 0155	168	0.	*	2 JAN 0810	243	2.
1 JAN 1330	19	0.	*	1 JAN 1945	94	0.	*	2 JAN 0200	169	0.	*	2 JAN 0815	244	2.
1 JAN 1335	20	0.	*	1 JAN 1950	95	0.	*	2 JAN 0205	170	0.	*	2 JAN 0820	245	2.
1 JAN 1340	21	0.	*	1 JAN 1955	96	0.	*	2 JAN 0210	171	0.	*	2 JAN 0825	246	2.
1 JAN 1345	22	0.	*	1 JAN 2000	97	0.	*	2 JAN 0215	172	0.	*	2 JAN 0830	247	2.
1 JAN 1350	23	0.	*	1 JAN 2005	98	0.	*	2 JAN 0220	173	0.	*	2 JAN 0835	248	2.
1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	2.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	2.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	2.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	2.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	0.	*	2 JAN 0900	253	2.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	1.	*	2 JAN 0905	254	2.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	1.	*	2 JAN 0910	255	2.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	1.	*	2 JAN 0915	256	2.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	1.	*	2 JAN 0920	257	2.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	1.	*	2 JAN 0925	258	2.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	1.	*	2 JAN 0930	259	2.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	1.	*	2 JAN 0935	260	2.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	1.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	1.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	2.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	2.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	2.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	2.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	2.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	2.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	3.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	5.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	6.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	7.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	8.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	9.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	9.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	9.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	9.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	9.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	9.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	9.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	9.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	8.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	8.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	8.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	7.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	7.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	7.	*	2 JAN 1150	287	1.

1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	7.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	6.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	6.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	6.	*	2 JAN 1210	291	1.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	6.	*	2 JAN 1215	292	1.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	5.	*	2 JAN 1220	293	1.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	5.	*	2 JAN 1225	294	1.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	5.	*	2 JAN 1230	295	1.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	5.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	5.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	4.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	4.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	4.	*	2 JAN 1255	300	0.
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
9.	16.67	(CFS)	4.	1.	1.	1.
		(INCHES)	.397	.470	.470	.470
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .10 SQ MI

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167 KK    *    RT_1G   *
          *            *
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168 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE
IPNCH	0	PUNCH COMPUTED HYDROGRAPH
IOUT	21	SAVE HYDROGRAPH ON THIS UNIT
ISAV1	1	FIRST ORDINATE PUNCHED OR SAVED
ISAV2	300	LAST ORDINATE PUNCHED OR SAVED
TIMINT	.083	TIME INTERVAL IN HOURS

ROUTE THROUGH MAIN LINE FROM CONNECTION 1 TO LINE G
THE CHANNEL GEOMETRY IS REPRESENTATIVE OF AN 1.8'X 1.8' BOX, WHICH HAS
THE SAME X-SECTIONAL AREA AS A 24" PIPE

HYDROGRAPH ROUTING DATA

172 RS STORAGE ROUTING

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

173 RC NORMAL DEPTH CHANNEL

ANL	.013	LEFT OVERBANK N-VALUE

ANCH	.013	MAIN CHANNEL N-VALUE
ANR	.013	RIGHT OVERBANK N-VALUE
RLNTH	1000.	REACH LENGTH
SEL	.0126	ENERGY SLOPE
ELMAX	.0	MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

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

***

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.00	.01	.01	.02	.02	.02	.03	.03	.04
OUTFLOW	.00	.43	1.27	2.37	3.64	5.03	6.52	8.08	9.71	11.39
ELEVATION	1.00	1.09	1.19	1.28	1.38	1.47	1.57	1.66	1.76	1.85
STORAGE	.04	.04	.05	.05	.05	.06	.06	.07	.07	.07
OUTFLOW	13.10	14.85	16.64	18.44	20.27	22.12	23.98	25.86	27.75	29.65
ELEVATION	1.95	2.04	2.14	2.23	2.33	2.42	2.52	2.61	2.71	2.80

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 2. TO 30.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION RT_1G

****

DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	1.0	*	1 JAN 2020	101	0.	.0	1.0	*	2 JAN 0440	201	9.	.0	1.7
1 JAN 1205	2	0.	.0	1.0	*	1 JAN 2025	102	0.	.0	1.0	*	2 JAN 0445	202	9.	.0	1.7
1 JAN 1210	3	0.	.0	1.0	*	1 JAN 2030	103	0.	.0	1.0	*	2 JAN 0450	203	9.	.0	1.7
1 JAN 1215	4	0.	.0	1.0	*	1 JAN 2035	104	0.	.0	1.0	*	2 JAN 0455	204	9.	.0	1.7
1 JAN 1220	5	0.	.0	1.0	*	1 JAN 2040	105	0.	.0	1.0	*	2 JAN 0500	205	9.	.0	1.7
1 JAN 1225	6	0.	.0	1.0	*	1 JAN 2045	106	0.	.0	1.0	*	2 JAN 0505	206	9.	.0	1.7
1 JAN 1230	7	0.	.0	1.0	*	1 JAN 2050	107	0.	.0	1.0	*	2 JAN 0510	207	8.	.0	1.7
1 JAN 1235	8	0.	.0	1.0	*	1 JAN 2055	108	0.	.0	1.0	*	2 JAN 0515	208	8.	.0	1.7
1 JAN 1240	9	0.	.0	1.0	*	1 JAN 2100	109	0.	.0	1.0	*	2 JAN 0520	209	8.	.0	1.6
1 JAN 1245	10	0.	.0	1.0	*	1 JAN 2105	110	0.	.0	1.0	*	2 JAN 0525	210	8.	.0	1.6
1 JAN 1250	11	0.	.0	1.0	*	1 JAN 2110	111	0.	.0	1.0	*	2 JAN 0530	211	7.	.0	1.6
1 JAN 1255	12	0.	.0	1.0	*	1 JAN 2115	112	0.	.0	1.0	*	2 JAN 0535	212	7.	.0	1.6
1 JAN 1300	13	0.	.0	1.0	*	1 JAN 2120	113	0.	.0	1.0	*	2 JAN 0540	213	7.	.0	1.6
1 JAN 1305	14	0.	.0	1.0	*	1 JAN 2125	114	0.	.0	1.0	*	2 JAN 0545	214	6.	.0	1.6
1 JAN 1310	15	0.	.0	1.0	*	1 JAN 2130	115	0.	.0	1.0	*	2 JAN 0550	215	6.	.0	1.5
1 JAN 1315	16	0.	.0	1.0	*	1 JAN 2135	116	0.	.0	1.0	*	2 JAN 0555	216	6.	.0	1.5
1 JAN 1320	17	0.	.0	1.0	*	1 JAN 2140	117	0.	.0	1.0	*	2 JAN 0600	217	6.	.0	1.5
1 JAN 1325	18	0.	.0	1.0	*	1 JAN 2145	118	0.	.0	1.0	*	2 JAN 0605	218	5.	.0	1.5
1 JAN 1330	19	0.	.0	1.0	*	1 JAN 2150	119	0.	.0	1.0	*	2 JAN 0610	219	5.	.0	1.5
1 JAN 1335	20	0.	.0	1.0	*	1 JAN 2155	120	0.	.0	1.0	*	2 JAN 0615	220	5.	.0	1.5
1 JAN 1340	21	0.	.0	1.0	*	1 JAN 2200	121	0.	.0	1.0	*	2 JAN 0620	221	5.	.0	1.5
1 JAN 1345	22	0.	.0	1.0	*	1 JAN 2205	122	0.	.0	1.0	*	2 JAN 0625	222	5.	.0	1.4
1 JAN 1350	23	0.	.0	1.0	*	1 JAN 2210	123	0.	.0	1.0	*	2 JAN 0630	223	4.	.0	1.4
1 JAN 1355	24	0.	.0	1.0	*	1 JAN 2215	124	0.	.0	1.0	*	2 JAN 0635	224	4.	.0	1.4

1 JAN	1400	25	0.	.0	1.0	*	1 JAN	2220	125	0.	.0	1.0	*	2 JAN	0640	225	4.	.0	1.4
1 JAN	1405	26	0.	.0	1.0	*	1 JAN	2225	126	0.	.0	1.0	*	2 JAN	0645	226	4.	.0	1.4
1 JAN	1410	27	0.	.0	1.0	*	1 JAN	2230	127	0.	.0	1.0	*	2 JAN	0650	227	4.	.0	1.4
1 JAN	1415	28	0.	.0	1.0	*	1 JAN	2235	128	0.	.0	1.0	*	2 JAN	0655	228	4.	.0	1.4
1 JAN	1420	29	0.	.0	1.0	*	1 JAN	2240	129	0.	.0	1.0	*	2 JAN	0700	229	4.	.0	1.4
1 JAN	1425	30	0.	.0	1.0	*	1 JAN	2245	130	0.	.0	1.0	*	2 JAN	0705	230	3.	.0	1.4
1 JAN	1430	31	0.	.0	1.0	*	1 JAN	2250	131	0.	.0	1.0	*	2 JAN	0710	231	3.	.0	1.4
1 JAN	1435	32	0.	.0	1.0	*	1 JAN	2255	132	0.	.0	1.0	*	2 JAN	0715	232	3.	.0	1.3
1 JAN	1440	33	0.	.0	1.0	*	1 JAN	2300	133	0.	.0	1.0	*	2 JAN	0720	233	3.	.0	1.3
1 JAN	1445	34	0.	.0	1.0	*	1 JAN	2305	134	0.	.0	1.0	*	2 JAN	0725	234	3.	.0	1.3
1 JAN	1450	35	0.	.0	1.0	*	1 JAN	2310	135	0.	.0	1.0	*	2 JAN	0730	235	3.	.0	1.3
1 JAN	1455	36	0.	.0	1.0	*	1 JAN	2315	136	0.	.0	1.0	*	2 JAN	0735	236	3.	.0	1.3
1 JAN	1500	37	0.	.0	1.0	*	1 JAN	2320	137	0.	.0	1.0	*	2 JAN	0740	237	3.	.0	1.3
1 JAN	1505	38	0.	.0	1.0	*	1 JAN	2325	138	0.	.0	1.0	*	2 JAN	0745	238	3.	.0	1.3
1 JAN	1510	39	0.	.0	1.0	*	1 JAN	2330	139	0.	.0	1.0	*	2 JAN	0750	239	3.	.0	1.3
1 JAN	1515	40	0.	.0	1.0	*	1 JAN	2335	140	0.	.0	1.0	*	2 JAN	0755	240	3.	.0	1.3
1 JAN	1520	41	0.	.0	1.0	*	1 JAN	2340	141	0.	.0	1.0	*	2 JAN	0800	241	2.	.0	1.3
1 JAN	1525	42	0.	.0	1.0	*	1 JAN	2345	142	0.	.0	1.0	*	2 JAN	0805	242	2.	.0	1.3
1 JAN	1530	43	0.	.0	1.0	*	1 JAN	2350	143	0.	.0	1.0	*	2 JAN	0810	243	2.	.0	1.3
1 JAN	1535	44	0.	.0	1.0	*	1 JAN	2355	144	0.	.0	1.0	*	2 JAN	0815	244	2.	.0	1.2
1 JAN	1540	45	0.	.0	1.0	*	2 JAN	0000	145	0.	.0	1.0	*	2 JAN	0820	245	2.	.0	1.2
1 JAN	1545	46	0.	.0	1.0	*	2 JAN	0005	146	0.	.0	1.0	*	2 JAN	0825	246	2.	.0	1.2
1 JAN	1550	47	0.	.0	1.0	*	2 JAN	0010	147	0.	.0	1.0	*	2 JAN	0830	247	2.	.0	1.2
1 JAN	1555	48	0.	.0	1.0	*	2 JAN	0015	148	0.	.0	1.0	*	2 JAN	0835	248	2.	.0	1.2
1 JAN	1600	49	0.	.0	1.0	*	2 JAN	0020	149	0.	.0	1.0	*	2 JAN	0840	249	2.	.0	1.2
1 JAN	1605	50	0.	.0	1.0	*	2 JAN	0025	150	0.	.0	1.0	*	2 JAN	0845	250	2.	.0	1.2
1 JAN	1610	51	0.	.0	1.0	*	2 JAN	0030	151	0.	.0	1.0	*	2 JAN	0850	251	2.	.0	1.2
1 JAN	1615	52	0.	.0	1.0	*	2 JAN	0035	152	0.	.0	1.0	*	2 JAN	0855	252	2.	.0	1.2
1 JAN	1620	53	0.	.0	1.0	*	2 JAN	0040	153	0.	.0	1.0	*	2 JAN	0900	253	2.	.0	1.2
1 JAN	1625	54	0.	.0	1.0	*	2 JAN	0045	154	0.	.0	1.0	*	2 JAN	0905	254	2.	.0	1.2
1 JAN	1630	55	0.	.0	1.0	*	2 JAN	0050	155	0.	.0	1.0	*	2 JAN	0910	255	2.	.0	1.2
1 JAN	1635	56	0.	.0	1.0	*	2 JAN	0055	156	0.	.0	1.0	*	2 JAN	0915	256	2.	.0	1.2
1 JAN	1640	57	0.	.0	1.0	*	2 JAN	0100	157	0.	.0	1.0	*	2 JAN	0920	257	2.	.0	1.2
1 JAN	1645	58	0.	.0	1.0	*	2 JAN	0105	158	0.	.0	1.0	*	2 JAN	0925	258	2.	.0	1.2
1 JAN	1650	59	0.	.0	1.0	*	2 JAN	0110	159	0.	.0	1.0	*	2 JAN	0930	259	2.	.0	1.2
1 JAN	1655	60	0.	.0	1.0	*	2 JAN	0115	160	0.	.0	1.0	*	2 JAN	0935	260	2.	.0	1.2
1 JAN	1700	61	0.	.0	1.0	*	2 JAN	0120	161	0.	.0	1.0	*	2 JAN	0940	261	1.	.0	1.2
1 JAN	1705	62	0.	.0	1.0	*	2 JAN	0125	162	0.	.0	1.0	*	2 JAN	0945	262	1.	.0	1.2
1 JAN	1710	63	0.	.0	1.0	*	2 JAN	0130	163	0.	.0	1.0	*	2 JAN	0950	263	1.	.0	1.2
1 JAN	1715	64	0.	.0	1.0	*	2 JAN	0135	164	0.	.0	1.0	*	2 JAN	0955	264	1.	.0	1.2
1 JAN	1720	65	0.	.0	1.0	*	2 JAN	0140	165	0.	.0	1.0	*	2 JAN	1000	265	1.	.0	1.2
1 JAN	1725	66	0.	.0	1.0	*	2 JAN	0145	166	0.	.0	1.0	*	2 JAN	1005	266	1.	.0	1.2
1 JAN	1730	67	0.	.0	1.0	*	2 JAN	0150	167	0.	.0	1.0	*	2 JAN	1010	267	1.	.0	1.2
1 JAN	1735	68	0.	.0	1.0	*	2 JAN	0155	168	0.	.0	1.0	*	2 JAN	1015	268	1.	.0	1.2
1 JAN	1740	69	0.	.0	1.0	*	2 JAN	0200	169	0.	.0	1.0	*	2 JAN	1020	269	1.	.0	1.2
1 JAN	1745	70	0.	.0	1.0	*	2 JAN	0205	170	0.	.0	1.0	*	2 JAN	1025	270	1.	.0	1.2
1 JAN	1750	71	0.	.0	1.0	*	2 JAN	0210	171	0.	.0	1.0	*	2 JAN	1030	271	1.	.0	1.2
1 JAN	1755	72	0.	.0	1.0	*	2 JAN	0215	172	0.	.0	1.0	*	2 JAN	1035	272	1.	.0	1.2
1 JAN	1800	73	0.	.0	1.0	*	2 JAN	0220	173	0.	.0	1.0	*	2 JAN	1040	273	1.	.0	1.2
1 JAN	1805	74	0.	.0	1.0	*	2 JAN	0225	174	0.	.0	1.1	*	2 JAN	1045	274	1.	.0	1.2
1 JAN	1810	75	0.	.0	1.0	*	2 JAN	0230	175	0.	.0	1.1	*	2 JAN	1050	275	1.	.0	1.2
1 JAN	1815	76	0.	.0	1.0	*	2 JAN	0235	176	0.	.0	1.1	*	2 JAN	1055	276	1.	.0	1.2
1 JAN	1820	77	0.	.0	1.0	*	2 JAN	0240	177	0.	.0	1.1	*	2 JAN	1100	277	1.	.0	1.2
1 JAN	1825	78	0.	.0	1.0	*	2 JAN	0245	178	0.	.0	1.1	*	2 JAN	1105	278	1.	.0	1.2
1 JAN	1830	79	0.	.0	1.0	*	2 JAN	0250	179	1.	.0	1.1	*	2 JAN	1110	279	1.	.0	1.2
1 JAN	1835	80	0.	.0	1.0	*	2 JAN	0255	180	1.	.0	1.1	*	2 JAN	1115	280	1.	.0	1.2
1 JAN	1840	81	0.	.0	1.0	*	2 JAN	0300	181	1.	.0	1.1	*	2 JAN	1120	281	1.	.0	1.2
1 JAN	1845	82	0.	.0	1.0	*	2 JAN	0305	182	1.	.0	1.1	*	2 JAN	1125	282	1.	.0	1.2
1 JAN	1850	83	0.	.0	1.0	*	2 JAN	0310	183	1.	.0	1.1	*	2 JAN	1130	283	1.	.0	1.2
1 JAN	1855	84	0.	.0	1.0	*	2 JAN	0315	184	1.	.0	1.2	*	2 JAN	1135	284	1.	.0	1.2

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 1 JAN 1900  85      0.      .0     1.0 *  2 JAN 0320 185      1.      .0     1.2 *  2 JAN 1140 285      1.      .0     1.2
 1 JAN 1905  86      0.      .0     1.0 *  2 JAN 0325 186      1.      .0     1.2 *  2 JAN 1145 286      1.      .0     1.2
 1 JAN 1910  87      0.      .0     1.0 *  2 JAN 0330 187      1.      .0     1.2 *  2 JAN 1150 287      1.      .0     1.2
 1 JAN 1915  88      0.      .0     1.0 *  2 JAN 0335 188      2.      .0     1.2 *  2 JAN 1155 288      1.      .0     1.2
 1 JAN 1920  89      0.      .0     1.0 *  2 JAN 0340 189      2.      .0     1.2 *  2 JAN 1200 289      1.      .0     1.2
 1 JAN 1925  90      0.      .0     1.0 *  2 JAN 0345 190      2.      .0     1.2 *  2 JAN 1205 290      1.      .0     1.2
 1 JAN 1930  91      0.      .0     1.0 *  2 JAN 0350 191      2.      .0     1.2 *  2 JAN 1210 291      1.      .0     1.2
 1 JAN 1935  92      0.      .0     1.0 *  2 JAN 0355 192      2.      .0     1.2 *  2 JAN 1215 292      1.      .0     1.2
 1 JAN 1940  93      0.      .0     1.0 *  2 JAN 0400 193      2.      .0     1.3 *  2 JAN 1220 293      1.      .0     1.1
 1 JAN 1945  94      0.      .0     1.0 *  2 JAN 0405 194      3.      .0     1.3 *  2 JAN 1225 294      1.      .0     1.1
 1 JAN 1950  95      0.      .0     1.0 *  2 JAN 0410 195      4.      .0     1.4 *  2 JAN 1230 295      1.      .0     1.1
 1 JAN 1955  96      0.      .0     1.0 *  2 JAN 0415 196      6.      .0     1.5 *  2 JAN 1235 296      0.      .0     1.1
 1 JAN 2000  97      0.      .0     1.0 *  2 JAN 0420 197      7.      .0     1.6 *  2 JAN 1240 297      0.      .0     1.1
 1 JAN 2005  98      0.      .0     1.0 *  2 JAN 0425 198      8.      .0     1.7 *  2 JAN 1245 298      0.      .0     1.1
 1 JAN 2010  99      0.      .0     1.0 *  2 JAN 0430 199      9.      .0     1.7 *  2 JAN 1250 299      0.      .0     1.1
 1 JAN 2015 100      0.      .0     1.0 *  2 JAN 0435 200      9.      .0     1.7 *  2 JAN 1255 300      0.      .0     1.1
                                        *                                            *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
   (CFS)       (HR)                  6-HR       24-HR       72-HR     24.92-HR
      9.      16.75        (CFS)      4.          1.          1.          1.
                         (INCHES)    .397        .469        .469        .469
                          (AC-FT)     2.          3.          3.          3.

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

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
   (FEET)      (HR)                  6-HR       24-HR       72-HR     24.92-HR
     1.74     16.75                  1.41        1.13        1.13        1.13

                         CUMULATIVE AREA =     .10 SQ MI


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


            **************
            *            *
176 KK      *  5_LINED   *
            *            *
            **************
                         BASIN 5 DRAINING TO LINE D

              SUBBASIN RUNOFF DATA

178 BA          SUBBASIN CHARACTERISTICS
                      TAREA          .02  SUBBASIN AREA

                PRECIPITATION DATA

 40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI            INCREMENTAL PRECIPITATION PATTERN
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
```

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

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

180 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .08  LAG

                                                    ***

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

                                          UNIT HYDROGRAPH
                                     7 END-OF-PERIOD ORDINATES
            58.      64.      22.       8.       3.       1.       0.
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HYDROGRAPH AT STATION 5_LINED

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

1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.27	.08	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	7.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	2.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.

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

1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.
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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.11, TOTAL EXCESS = .39

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
7.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.337	.385	.385	.385
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .02 SQ MI

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          *           *
181 KK    * 7_LINEE&  *     F
          *           *
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BASIN 7 DRAINING TO LINE E AND LINE F

SUBBASIN RUNOFF DATA

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103 BA        SUBBASIN CHARACTERISTICS
                   TAREA          .02  SUBBASIN AREA

              PRECIPITATION DATA

 40 PB              STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI          INCREMENTAL PRECIPITATION PATTERN
                    .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                    .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
```

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

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184 LS          SCS LOSS RATE
                     STRTL        1.03  INITIAL ABSTRACTION
                    CRVNBR       66.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

185 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .13  LAG

                                                    ***

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

                                          UNIT HYDROGRAPH
                                     10 END-OF-PERIOD ORDINATES
          26.      57.      41.      17.       8.       4.       2.       1.       0.       0.
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HYDROGRAPH AT STATION 7_LINEE&

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

1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.03	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.00	0.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.01	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.28	.07	3.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.01	5.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	3.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.02	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.00	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.00	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.

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

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

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

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
5.	16.08	(CFS)	1.	0.	0.	0.
		(INCHES)	.285	.324	.324	.324
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .02 SQ MI

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            *           *
186 KK      *  8_LINEG  *
            *           *
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BASIN 8 DRAINING TO LINE G

SUBBASIN RUNOFF DATA

188 BA SUBBASIN CHARACTERISTICS

TAREA .01 SUBBASIN AREA

PRECIPITATION DATA

40 PB STORM 2.49 BASIN TOTAL PRECIPITATION

40 PI INCREMENTAL PRECIPITATION PATTERN

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

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

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189 LS          SCS LOSS RATE
                     STRTL          .82  INITIAL ABSTRACTION
                    CRVNBR        71.00  CURVE NUMBER
                     RTIMP          .00  PERCENT IMPERVIOUS AREA

190 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG          .13  LAG

                                                    ***

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

                                          UNIT HYDROGRAPH
                                     10 END-OF-PERIOD ORDINATES
          13.       29.       20.        9.        4.        2.        1.        0.        0.        0.

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                                     HYDROGRAPH AT STATION  8_LINEG

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                                                                 *
    DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q         *    DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                 *
     1 JAN 1200    1     .00     .00     .00         0.         *     2 JAN 0030  151     .01     .01     .00         0.
     1 JAN 1205    2     .00     .00     .00         0.         *     2 JAN 0035  152     .01     .01     .00         0.
     1 JAN 1210    3     .00     .00     .00         0.         *     2 JAN 0040  153     .01     .01     .00         0.
     1 JAN 1215    4     .00     .00     .00         0.         *     2 JAN 0045  154     .01     .01     .00         0.
     1 JAN 1220    5     .00     .00     .00         0.         *     2 JAN 0050  155     .01     .01     .00         0.
     1 JAN 1225    6     .00     .00     .00         0.         *     2 JAN 0055  156     .01     .01     .00         0.
     1 JAN 1230    7     .00     .00     .00         0.         *     2 JAN 0100  157     .01     .01     .00         0.
     1 JAN 1235    8     .00     .00     .00         0.         *     2 JAN 0105  158     .01     .01     .00         0.
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1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.01	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.02	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.01	0.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.03	.01	0.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.05	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.07	.02	1.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.24	.11	2.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	4.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.02	.01	3.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	2.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.01	.01	1.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	0.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	0.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	0.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	0.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	0.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	0.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	0.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	0.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	0.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	0.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	0.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	0.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	0.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	0.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	0.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.

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

1	JAN	2240	129	.01	.01	.00	0.	*	2	JAN	1110	279	.00	.00	.00	0.
1	JAN	2245	130	.01	.01	.00	0.	*	2	JAN	1115	280	.00	.00	.00	0.
1	JAN	2250	131	.01	.01	.00	0.	*	2	JAN	1120	281	.00	.00	.00	0.
1	JAN	2255	132	.01	.01	.00	0.	*	2	JAN	1125	282	.00	.00	.00	0.
1	JAN	2300	133	.01	.01	.00	0.	*	2	JAN	1130	283	.00	.00	.00	0.
1	JAN	2305	134	.01	.01	.00	0.	*	2	JAN	1135	284	.00	.00	.00	0.
1	JAN	2310	135	.01	.01	.00	0.	*	2	JAN	1140	285	.00	.00	.00	0.
1	JAN	2315	136	.01	.01	.00	0.	*	2	JAN	1145	286	.00	.00	.00	0.
1	JAN	2320	137	.01	.01	.00	0.	*	2	JAN	1150	287	.00	.00	.00	0.
1	JAN	2325	138	.01	.01	.00	0.	*	2	JAN	1155	288	.00	.00	.00	0.
1	JAN	2330	139	.01	.01	.00	0.	*	2	JAN	1200	289	.00	.00	.00	0.
1	JAN	2335	140	.01	.01	.00	0.	*	2	JAN	1205	290	.00	.00	.00	0.
1	JAN	2340	141	.01	.01	.00	0.	*	2	JAN	1210	291	.00	.00	.00	0.
1	JAN	2345	142	.01	.01	.00	0.	*	2	JAN	1215	292	.00	.00	.00	0.
1	JAN	2350	143	.01	.01	.00	0.	*	2	JAN	1220	293	.00	.00	.00	0.
1	JAN	2355	144	.01	.01	.00	0.	*	2	JAN	1225	294	.00	.00	.00	0.
2	JAN	0000	145	.01	.01	.00	0.	*	2	JAN	1230	295	.00	.00	.00	0.
2	JAN	0005	146	.01	.01	.00	0.	*	2	JAN	1235	296	.00	.00	.00	0.
2	JAN	0010	147	.01	.01	.00	0.	*	2	JAN	1240	297	.00	.00	.00	0.
2	JAN	0015	148	.01	.01	.00	0.	*	2	JAN	1245	298	.00	.00	.00	0.
2	JAN	0020	149	.01	.01	.00	0.	*	2	JAN	1250	299	.00	.00	.00	0.
2	JAN	0025	150	.01	.01	.00	0.	*	2	JAN	1255	300	.00	.00	.00	0.
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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.01, TOTAL EXCESS = .49

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

CUMULATIVE AREA = .01 SQ MI

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            *           *
191 KK      *   COMBINE *
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COMBINE BASINS 5,7,8

193 HC HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION COMBINE

SUM OF 3 HYDROGRAPHS

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

1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	1.	*	2 JAN 1135	284	0.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	1.	*	2 JAN 1140	285	0.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	1.	*	2 JAN 1145	286	0.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	1.	*	2 JAN 1150	287	0.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	1.	*	2 JAN 1155	288	0.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	1.	*	2 JAN 1200	289	0.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	1.	*	2 JAN 1205	290	0.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	1.	*	2 JAN 1210	291	0.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	1.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	1.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	1.	*	2 JAN 1225	294	0.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	1.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	1.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	1.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	1.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	1.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	1.	*	2 JAN 1255	300	0.
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
16.	16.08	(CFS)	2.	1.	0.	0.
		(INCHES)	.333	.381	.381	.381
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .05 SQ MI

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            *           *
194 KK      *    D_578  *
            *           *
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DETAIN BASINS 5,7,8, AND OUTFLOW FROM EAST SIDE OF TRACKS

196 KO OUTPUT CONTROL VARIABLES

IPRNT	2	PRINT CONTROL
IPLOT	2	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE
IPNCH	0	PUNCH COMPUTED HYDROGRAPH
IOUT	21	SAVE HYDROGRAPH ON THIS UNIT
ISAV1	1	FIRST ORDINATE PUNCHED OR SAVED
ISAV2	300	LAST ORDINATE PUNCHED OR SAVED
TIMINT	.083	TIME INTERVAL IN HOURS

HYDROGRAPH ROUTING DATA

197 RS STORAGE ROUTING

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

198 SA	AREA	.0	.3	2.5	8.3
199 SE	ELEVATION	51.00	52.00	54.00	56.00
200 SQ	DISCHARGE	0.	3.		
201 SE	ELEVATION	51.00	52.50		

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COMPUTED STORAGE-ELEVATION DATA

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

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.10	.33	2.57	12.84
OUTFLOW	.00	2.00	3.00	6.00	10.00
ELEVATION	51.00	52.00	52.50	54.00	56.00

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HYDROGRAPH AT STATION D_578

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	51.0	1 JAN 2020	101	0.	.0	51.0	2 JAN 0440	201	3.	.3	52.5
1 JAN 1205	2	0.	.0	51.0	1 JAN 2025	102	0.	.0	51.0	2 JAN 0445	202	3.	.3	52.5
1 JAN 1210	3	0.	.0	51.0	1 JAN 2030	103	0.	.0	51.0	2 JAN 0450	203	3.	.3	52.5
1 JAN 1215	4	0.	.0	51.0	1 JAN 2035	104	0.	.0	51.0	2 JAN 0455	204	3.	.3	52.5
1 JAN 1220	5	0.	.0	51.0	1 JAN 2040	105	0.	.0	51.0	2 JAN 0500	205	3.	.3	52.4
1 JAN 1225	6	0.	.0	51.0	1 JAN 2045	106	0.	.0	51.0	2 JAN 0505	206	3.	.3	52.4
1 JAN 1230	7	0.	.0	51.0	1 JAN 2050	107	0.	.0	51.0	2 JAN 0510	207	3.	.3	52.4
1 JAN 1235	8	0.	.0	51.0	1 JAN 2055	108	0.	.0	51.0	2 JAN 0515	208	3.	.3	52.4
1 JAN 1240	9	0.	.0	51.0	1 JAN 2100	109	0.	.0	51.0	2 JAN 0520	209	3.	.3	52.4
1 JAN 1245	10	0.	.0	51.0	1 JAN 2105	110	0.	.0	51.0	2 JAN 0525	210	3.	.3	52.3
1 JAN 1250	11	0.	.0	51.0	1 JAN 2110	111	0.	.0	51.0	2 JAN 0530	211	3.	.2	52.3
1 JAN 1255	12	0.	.0	51.0	1 JAN 2115	112	0.	.0	51.0	2 JAN 0535	212	3.	.2	52.3
1 JAN 1300	13	0.	.0	51.0	1 JAN 2120	113	0.	.0	51.0	2 JAN 0540	213	3.	.2	52.3
1 JAN 1305	14	0.	.0	51.0	1 JAN 2125	114	0.	.0	51.0	2 JAN 0545	214	3.	.2	52.3
1 JAN 1310	15	0.	.0	51.0	1 JAN 2130	115	0.	.0	51.0	2 JAN 0550	215	3.	.2	52.3
1 JAN 1315	16	0.	.0	51.0	1 JAN 2135	116	0.	.0	51.0	2 JAN 0555	216	2.	.2	52.2
1 JAN 1320	17	0.	.0	51.0	1 JAN 2140	117	0.	.0	51.0	2 JAN 0600	217	2.	.2	52.2
1 JAN 1325	18	0.	.0	51.0	1 JAN 2145	118	0.	.0	51.0	2 JAN 0605	218	2.	.2	52.2
1 JAN 1330	19	0.	.0	51.0	1 JAN 2150	119	0.	.0	51.0	2 JAN 0610	219	2.	.2	52.2
1 JAN 1335	20	0.	.0	51.0	1 JAN 2155	120	0.	.0	51.0	2 JAN 0615	220	2.	.2	52.2
1 JAN 1340	21	0.	.0	51.0	1 JAN 2200	121	0.	.0	51.0	2 JAN 0620	221	2.	.2	52.1
1 JAN 1345	22	0.	.0	51.0	1 JAN 2205	122	0.	.0	51.0	2 JAN 0625	222	2.	.2	52.1
1 JAN 1350	23	0.	.0	51.0	1 JAN 2210	123	0.	.0	51.0	2 JAN 0630	223	2.	.1	52.1
1 JAN 1355	24	0.	.0	51.0	1 JAN 2215	124	0.	.0	51.0	2 JAN 0635	224	2.	.1	52.1
1 JAN 1400	25	0.	.0	51.0	1 JAN 2220	125	0.	.0	51.0	2 JAN 0640	225	2.	.1	52.1
1 JAN 1405	26	0.	.0	51.0	1 JAN 2225	126	0.	.0	51.0	2 JAN 0645	226	2.	.1	52.0
1 JAN 1410	27	0.	.0	51.0	1 JAN 2230	127	0.	.0	51.0	2 JAN 0650	227	2.	.1	52.0
1 JAN 1415	28	0.	.0	51.0	1 JAN 2235	128	0.	.0	51.0	2 JAN 0655	228	2.	.1	52.0
1 JAN 1420	29	0.	.0	51.0	1 JAN 2240	129	0.	.0	51.0	2 JAN 0700	229	2.	.1	52.0
1 JAN 1425	30	0.	.0	51.0	1 JAN 2245	130	0.	.0	51.0	2 JAN 0705	230	2.	.1	51.9
1 JAN 1430	31	0.	.0	51.0	1 JAN 2250	131	0.	.0	51.0	2 JAN 0710	231	2.	.1	51.8

1	JAN	1435	32	0.	.0	51.0	*	1 JAN 2255	132	0.	.0	51.0	*	2 JAN 0715	232	2.	.1	51.8
1	JAN	1440	33	0.	.0	51.0	*	1 JAN 2300	133	0.	.0	51.0	*	2 JAN 0720	233	1.	.1	51.7
1	JAN	1445	34	0.	.0	51.0	*	1 JAN 2305	134	0.	.0	51.0	*	2 JAN 0725	234	1.	.1	51.7
1	JAN	1450	35	0.	.0	51.0	*	1 JAN 2310	135	0.	.0	51.0	*	2 JAN 0730	235	1.	.1	51.6
1	JAN	1455	36	0.	.0	51.0	*	1 JAN 2315	136	0.	.0	51.0	*	2 JAN 0735	236	1.	.1	51.6
1	JAN	1500	37	0.	.0	51.0	*	1 JAN 2320	137	0.	.0	51.0	*	2 JAN 0740	237	1.	.1	51.6
1	JAN	1505	38	0.	.0	51.0	*	1 JAN 2325	138	0.	.0	51.0	*	2 JAN 0745	238	1.	.1	51.5
1	JAN	1510	39	0.	.0	51.0	*	1 JAN 2330	139	0.	.0	51.0	*	2 JAN 0750	239	1.	.1	51.5
1	JAN	1515	40	0.	.0	51.0	*	1 JAN 2335	140	0.	.0	51.0	*	2 JAN 0755	240	1.	.0	51.5
1	JAN	1520	41	0.	.0	51.0	*	1 JAN 2340	141	0.	.0	51.0	*	2 JAN 0800	241	1.	.0	51.5
1	JAN	1525	42	0.	.0	51.0	*	1 JAN 2345	142	0.	.0	51.0	*	2 JAN 0805	242	1.	.0	51.5
1	JAN	1530	43	0.	.0	51.0	*	1 JAN 2350	143	0.	.0	51.0	*	2 JAN 0810	243	1.	.0	51.4
1	JAN	1535	44	0.	.0	51.0	*	1 JAN 2355	144	0.	.0	51.0	*	2 JAN 0815	244	1.	.0	51.4
1	JAN	1540	45	0.	.0	51.0	*	2 JAN 0000	145	0.	.0	51.0	*	2 JAN 0820	245	1.	.0	51.4
1	JAN	1545	46	0.	.0	51.0	*	2 JAN 0005	146	0.	.0	51.0	*	2 JAN 0825	246	1.	.0	51.4
1	JAN	1550	47	0.	.0	51.0	*	2 JAN 0010	147	0.	.0	51.0	*	2 JAN 0830	247	1.	.0	51.4
1	JAN	1555	48	0.	.0	51.0	*	2 JAN 0015	148	0.	.0	51.0	*	2 JAN 0835	248	1.	.0	51.4
1	JAN	1600	49	0.	.0	51.0	*	2 JAN 0020	149	0.	.0	51.0	*	2 JAN 0840	249	1.	.0	51.4
1	JAN	1605	50	0.	.0	51.0	*	2 JAN 0025	150	0.	.0	51.0	*	2 JAN 0845	250	1.	.0	51.4
1	JAN	1610	51	0.	.0	51.0	*	2 JAN 0030	151	0.	.0	51.0	*	2 JAN 0850	251	1.	.0	51.4
1	JAN	1615	52	0.	.0	51.0	*	2 JAN 0035	152	0.	.0	51.0	*	2 JAN 0855	252	1.	.0	51.4
1	JAN	1620	53	0.	.0	51.0	*	2 JAN 0040	153	0.	.0	51.0	*	2 JAN 0900	253	1.	.0	51.4
1	JAN	1625	54	0.	.0	51.0	*	2 JAN 0045	154	0.	.0	51.0	*	2 JAN 0905	254	1.	.0	51.3
1	JAN	1630	55	0.	.0	51.0	*	2 JAN 0050	155	0.	.0	51.0	*	2 JAN 0910	255	1.	.0	51.3
1	JAN	1635	56	0.	.0	51.0	*	2 JAN 0055	156	0.	.0	51.0	*	2 JAN 0915	256	1.	.0	51.3
1	JAN	1640	57	0.	.0	51.0	*	2 JAN 0100	157	0.	.0	51.0	*	2 JAN 0920	257	1.	.0	51.3
1	JAN	1645	58	0.	.0	51.0	*	2 JAN 0105	158	0.	.0	51.0	*	2 JAN 0925	258	1.	.0	51.3
1	JAN	1650	59	0.	.0	51.0	*	2 JAN 0110	159	0.	.0	51.0	*	2 JAN 0930	259	1.	.0	51.3
1	JAN	1655	60	0.	.0	51.0	*	2 JAN 0115	160	0.	.0	51.0	*	2 JAN 0935	260	1.	.0	51.3
1	JAN	1700	61	0.	.0	51.0	*	2 JAN 0120	161	0.	.0	51.0	*	2 JAN 0940	261	1.	.0	51.3
1	JAN	1705	62	0.	.0	51.0	*	2 JAN 0125	162	0.	.0	51.0	*	2 JAN 0945	262	1.	.0	51.3
1	JAN	1710	63	0.	.0	51.0	*	2 JAN 0130	163	0.	.0	51.0	*	2 JAN 0950	263	1.	.0	51.3
1	JAN	1715	64	0.	.0	51.0	*	2 JAN 0135	164	0.	.0	51.0	*	2 JAN 0955	264	1.	.0	51.3
1	JAN	1720	65	0.	.0	51.0	*	2 JAN 0140	165	0.	.0	51.0	*	2 JAN 1000	265	1.	.0	51.3
1	JAN	1725	66	0.	.0	51.0	*	2 JAN 0145	166	0.	.0	51.0	*	2 JAN 1005	266	1.	.0	51.3
1	JAN	1730	67	0.	.0	51.0	*	2 JAN 0150	167	0.	.0	51.0	*	2 JAN 1010	267	1.	.0	51.3
1	JAN	1735	68	0.	.0	51.0	*	2 JAN 0155	168	0.	.0	51.0	*	2 JAN 1015	268	1.	.0	51.3
1	JAN	1740	69	0.	.0	51.0	*	2 JAN 0200	169	0.	.0	51.0	*	2 JAN 1020	269	1.	.0	51.3
1	JAN	1745	70	0.	.0	51.0	*	2 JAN 0205	170	0.	.0	51.0	*	2 JAN 1025	270	1.	.0	51.3
1	JAN	1750	71	0.	.0	51.0	*	2 JAN 0210	171	0.	.0	51.0	*	2 JAN 1030	271	1.	.0	51.3
1	JAN	1755	72	0.	.0	51.0	*	2 JAN 0215	172	0.	.0	51.0	*	2 JAN 1035	272	1.	.0	51.3
1	JAN	1800	73	0.	.0	51.0	*	2 JAN 0220	173	0.	.0	51.0	*	2 JAN 1040	273	1.	.0	51.3
1	JAN	1805	74	0.	.0	51.0	*	2 JAN 0225	174	0.	.0	51.0	*	2 JAN 1045	274	1.	.0	51.3
1	JAN	1810	75	0.	.0	51.0	*	2 JAN 0230	175	0.	.0	51.0	*	2 JAN 1050	275	1.	.0	51.3
1	JAN	1815	76	0.	.0	51.0	*	2 JAN 0235	176	0.	.0	51.0	*	2 JAN 1055	276	1.	.0	51.3
1	JAN	1820	77	0.	.0	51.0	*	2 JAN 0240	177	0.	.0	51.0	*	2 JAN 1100	277	1.	.0	51.3
1	JAN	1825	78	0.	.0	51.0	*	2 JAN 0245	178	0.	.0	51.0	*	2 JAN 1105	278	1.	.0	51.3
1	JAN	1830	79	0.	.0	51.0	*	2 JAN 0250	179	0.	.0	51.0	*	2 JAN 1110	279	1.	.0	51.3
1	JAN	1835	80	0.	.0	51.0	*	2 JAN 0255	180	0.	.0	51.0	*	2 JAN 1115	280	1.	.0	51.3
1	JAN	1840	81	0.	.0	51.0	*	2 JAN 0300	181	0.	.0	51.0	*	2 JAN 1120	281	1.	.0	51.3
1	JAN	1845	82	0.	.0	51.0	*	2 JAN 0305	182	0.	.0	51.0	*	2 JAN 1125	282	1.	.0	51.3
1	JAN	1850	83	0.	.0	51.0	*	2 JAN 0310	183	0.	.0	51.1	*	2 JAN 1130	283	1.	.0	51.3
1	JAN	1855	84	0.	.0	51.0	*	2 JAN 0315	184	0.	.0	51.1	*	2 JAN 1135	284	1.	.0	51.3
1	JAN	1900	85	0.	.0	51.0	*	2 JAN 0320	185	0.	.0	51.1	*	2 JAN 1140	285	1.	.0	51.3
1	JAN	1905	86	0.	.0	51.0	*	2 JAN 0325	186	0.	.0	51.1	*	2 JAN 1145	286	1.	.0	51.3
1	JAN	1910	87	0.	.0	51.0	*	2 JAN 0330	187	0.	.0	51.1	*	2 JAN 1150	287	0.	.0	51.2
1	JAN	1915	88	0.	.0	51.0	*	2 JAN 0335	188	0.	.0	51.2	*	2 JAN 1155	288	0.	.0	51.2
1	JAN	1920	89	0.	.0	51.0	*	2 JAN 0340	189	0.	.0	51.2	*	2 JAN 1200	289	0.	.0	51.2
1	JAN	1925	90	0.	.0	51.0	*	2 JAN 0345	190	1.	.0	51.3	*	2 JAN 1205	290	0.	.0	51.2
1	JAN	1930	91	0.	.0	51.0	*	2 JAN 0350	191	1.	.0	51.4	*	2 JAN 1210	291	0.	.0	51.2

1 JAN 1935	92	0.	.0	51.0	*	2 JAN 0355	192	1.	.1	51.5	*	2 JAN 1215	292	0.	.0	51.2
1 JAN 1940	93	0.	.0	51.0	*	2 JAN 0400	193	2.	.1	52.0	*	2 JAN 1220	293	0.	.0	51.2
1 JAN 1945	94	0.	.0	51.0	*	2 JAN 0405	194	2.	.2	52.2	*	2 JAN 1225	294	0.	.0	51.1
1 JAN 1950	95	0.	.0	51.0	*	2 JAN 0410	195	3.	.3	52.3	*	2 JAN 1230	295	0.	.0	51.1
1 JAN 1955	96	0.	.0	51.0	*	2 JAN 0415	196	3.	.3	52.4	*	2 JAN 1235	296	0.	.0	51.1
1 JAN 2000	97	0.	.0	51.0	*	2 JAN 0420	197	3.	.3	52.5	*	2 JAN 1240	297	0.	.0	51.1
1 JAN 2005	98	0.	.0	51.0	*	2 JAN 0425	198	3.	.3	52.5	*	2 JAN 1245	298	0.	.0	51.1
1 JAN 2010	99	0.	.0	51.0	*	2 JAN 0430	199	3.	.3	52.5	*	2 JAN 1250	299	0.	.0	51.1
1 JAN 2015	100	0.	.0	51.0	*	2 JAN 0435	200	3.	.3	52.5	*	2 JAN 1255	300	0.	.0	51.1
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
3.	16.50	(CFS)	2.	1.	0.	0.
		(INCHES)	.327	.379	.379	.379
		(AC-FT)	1.	1.	1.	1.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	24.92-HR
0.	16.50	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
(FEET)	(HR)	6-HR	24-HR	72-HR	24.92-HR
52.50	16.50	51.88	51.25	51.25	51.25

CUMULATIVE AREA = .05 SQ MI

STATION D_578

(I) INFLOW, (O) OUTFLOW

		0.	2.	4.	6.	8.	10.	12.	14.	16.	0.	0.	0.	0
									(S) STORAGE					
		.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.0	.
DAHRMN	PER													
11200	1I	----------	----------	----------	----------	----------	----------	S	----------	----------	----------	----------	----------	----------
11205	2I	.	.	.	.	.	.	S	.	.	.	.	.	
11210	3I	.	.	.	.	.	.	S	.	.	.	.	.	
11215	4I	.	.	.	.	.	.	S	.	.	.	.	.	
11220	5I	.	.	.	.	.	.	S	.	.	.	.	.	
11225	6I	.	.	.	.	.	.	S	.	.	.	.	.	
11230	7I	.	.	.	.	.	.	S	.	.	.	.	.	
11235	8I	.	.	.	.	.	.	S	.	.	.	.	.	
11240	9I	.	.	.	.	.	.	S	.	.	.	.	.	
11245	10I	.	.	.	.	.	.	S	.	.	.	.	.	
11250	11I	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	S	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
11255	12I	.	.	.	.	.	.	S	.	.	.	.	.	
11300	13I	.	.	.	.	.	.	S	.	.	.	.	.	
11305	14I	.	.	.	.	.	.	S	.	.	.	.	.	
11310	15I	.	.	.	.	.	.	S	.	.	.	.	.	
11315	16I	.	.	.	.	.	.	S	.	.	.	.	.	
11320	17I	.	.	.	.	.	.	S	.	.	.	.	.	
11325	18I	.	.	.	.	.	.	S	.	.	.	.	.	
11330	19I	.	.	.	.	.	.	S	.	.	.	.	.	
11335	20I	.	.	.	.	.	.	S	.	.	.	.	.	
11340	21I	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	S	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
11345	22I	.	.	.	.	.	.	S	.	.	.	.	.	
11350	23I	.	.	.	.	.	.	S	.	.	.	.	.	
11355	24I	.	.	.	.	.	.	S	.	.	.	.	.	
11400	25I	.	.	.	.	.	.	S	.	.	.	.	.	
11405	26I	.	.	.	.	.	.	S	.	.	.	.	.	
11410	27I	.	.	.	.	.	.	S	.	.	.	.	.	
11415	28I	.	.	.	.	.	.	S	.	.	.	.	.	
11420	29I	.	.	.	.	.	.	S	.	.	.	.	.	
11425	30I	.	.	.	.	.	.	S	.	.	.	.	.	
11430	31I	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	S	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
11435	32I	.	.	.	.	.	.	S	.	.	.	.	.	
11440	33I	.	.	.	.	.	.	S	.	.	.	.	.	
11445	34I	.	.	.	.	.	.	S	.	.	.	.	.	
11450	35I	.	.	.	.	.	.	S	.	.	.	.	.	
11455	36I	.	.	.	.	.	.	S	.	.	.	.	.	
11500	37I	.	.	.	.	.	.	S	.	.	.	.	.	
11505	38I	.	.	.	.	.	.	S	.	.	.	.	.	
11510	39I	.	.	.	.	.	.	S	.	.	.	.	.	
11515	40I	.	.	.	.	.	.	S	.	.	.	.	.	
11520	41I	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	S	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
11525	42I	.	.	.	.	.	.	S	.	.	.	.	.	
11530	43I	.	.	.	.	.	.	S	.	.	.	.	.	
11535	44I	.	.	.	.	.	.	S	.	.	.	.	.	
11540	45I	.	.	.	.	.	.	S	.	.	.	.	.	
11545	46I	.	.	.	.	.	.	S	.	.	.	.	.	
11550	47I	.	.	.	.	.	.	S	.	.	.	.	.	
11555	48I	.	.	.	.	.	.	S	.	.	.	.	.	
11600	49I	.	.	.	.	.	.	S	.	.	.	.	.	
11605	50I	.	.	.	.	.	.	S	.	.	.	.	.	
11610	51I	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	S	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
11615	52I	.	.	.	.	.	.	S	.	.	.	.	.	
11620	53I	.	.	.	.	.	.	S	.	.	.	.	.	

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11625  54I       .       .       .       .       .       S       .       .       .       .       .
11630  55I       .       .       .       .       .       S       .       .       .       .       .
11635  56I       .       .       .       .       .       S       .       .       .       .       .
11640  57I       .       .       .       .       .       S       .       .       .       .       .
11645  58I       .       .       .       .       .       S       .       .       .       .       .
11650  59I       .       .       .       .       .       S       .       .       .       .       .
11655  60I       .       .       .       .       .       S       .       .       .       .       .
11700  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11705  62I       .       .       .       .       .       S       .       .       .       .       .
11710  63I       .       .       .       .       .       S       .       .       .       .       .
11715  64I       .       .       .       .       .       S       .       .       .       .       .
11720  65I       .       .       .       .       .       S       .       .       .       .       .
11725  66I       .       .       .       .       .       S       .       .       .       .       .
11730  67I       .       .       .       .       .       S       .       .       .       .       .
11735  68I       .       .       .       .       .       S       .       .       .       .       .
11740  69I       .       .       .       .       .       S       .       .       .       .       .
11745  70I       .       .       .       .       .       S       .       .       .       .       .
11750  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11755  72I       .       .       .       .       .       S       .       .       .       .       .
11800  73I       .       .       .       .       .       S       .       .       .       .       .
11805  74I       .       .       .       .       .       S       .       .       .       .       .
11810  75I       .       .       .       .       .       S       .       .       .       .       .
11815  76I       .       .       .       .       .       S       .       .       .       .       .
11820  77I       .       .       .       .       .       S       .       .       .       .       .
11825  78I       .       .       .       .       .       S       .       .       .       .       .
11830  79I       .       .       .       .       .       S       .       .       .       .       .
11835  80I       .       .       .       .       .       S       .       .       .       .       .
11840  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11845  82I       .       .       .       .       .       S       .       .       .       .       .
11850  83I       .       .       .       .       .       S       .       .       .       .       .
11855  84I       .       .       .       .       .       S       .       .       .       .       .
11900  85I       .       .       .       .       .       S       .       .       .       .       .
11905  86I       .       .       .       .       .       S       .       .       .       .       .
11910  87I       .       .       .       .       .       S       .       .       .       .       .
11915  88I       .       .       .       .       .       S       .       .       .       .       .
11920  89I       .       .       .       .       .       S       .       .       .       .       .
11925  90I       .       .       .       .       .       S       .       .       .       .       .
11930  91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11935  92I       .       .       .       .       .       S       .       .       .       .       .
11940  93I       .       .       .       .       .       S       .       .       .       .       .
11945  94I       .       .       .       .       .       S       .       .       .       .       .
11950  95I       .       .       .       .       .       S       .       .       .       .       .
11955  96I       .       .       .       .       .       S       .       .       .       .       .
12000  97I       .       .       .       .       .       S       .       .       .       .       .
12005  98I       .       .       .       .       .       S       .       .       .       .       .
12010  99I       .       .       .       .       .       S       .       .       .       .       .
12015 100I       .       .       .       .       .       S       .       .       .       .       .
12020 101I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12025 102I       .       .       .       .       .       S       .       .       .       .       .
12030 103I       .       .       .       .       .       S       .       .       .       .       .
12035 104I       .       .       .       .       .       S       .       .       .       .       .
12040 105I       .       .       .       .       .       S       .       .       .       .       .
12045 106I       .       .       .       .       .       S       .       .       .       .       .
12050 107I       .       .       .       .       .       S       .       .       .       .       .
12055 108I       .       .       .       .       .       S       .       .       .       .       .
12100 109I       .       .       .       .       .       S       .       .       .       .       .
12105 110I       .       .       .       .       .       S       .       .       .       .       .
12110 111I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12115 112I       .       .       .       .       .       S       .       .       .       .       .
12120 113I       .       .       .       .       .       S       .       .       .       .       .
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12125 114I        .         .         .         .         .         S         .         .         .         .         .
12130 115I        .         .         .         .         .         S         .         .         .         .         .
12135 116I        .         .         .         .         .         S         .         .         .         .         .
12140 117I        .         .         .         .         .         S         .         .         .         .         .
12145 118I        .         .         .         .         .         S         .         .         .         .         .
12150 119I        .         .         .         .         .         S         .         .         .         .         .
12155 120I        .         .         .         .         .         S         .         .         .         .         .
12200 121I . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12205 122I        .         .         .         .         .         S         .         .         .         .         .
12210 123I        .         .         .         .         .         S         .         .         .         .         .
12215 124I        .         .         .         .         .         S         .         .         .         .         .
12220 125I        .         .         .         .         .         S         .         .         .         .         .
12225 126I        .         .         .         .         .         S         .         .         .         .         .
12230 127I        .         .         .         .         .         S         .         .         .         .         .
12235 128I        .         .         .         .         .         S         .         .         .         .         .
12240 129I        .         .         .         .         .         S         .         .         .         .         .
12245 130I        .         .         .         .         .         S         .         .         .         .         .
12250 131I . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12255 132I        .         .         .         .         .         S         .         .         .         .         .
12300 133I        .         .         .         .         .         S         .         .         .         .         .
12305 134I        .         .         .         .         .         S         .         .         .         .         .
12310 135I        .         .         .         .         .         S         .         .         .         .         .
12315 136I        .         .         .         .         .         S         .         .         .         .         .
12320 137I        .         .         .         .         .         S         .         .         .         .         .
12325 138I        .         .         .         .         .         S         .         .         .         .         .
12330 139I        .         .         .         .         .         S         .         .         .         .         .
12335 140I        .         .         .         .         .         S         .         .         .         .         .
12340 141I . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12345 142I        .         .         .         .         .         S         .         .         .         .         .
12350 143I        .         .         .         .         .         S         .         .         .         .         .
12355 144I        .         .         .         .         .         S         .         .         .         .         .
20000 145I        .         .         .         .         .         S         .         .         .         .         .
20005 146I        .         .         .         .         .         S         .         .         .         .         .
20010 147I        .         .         .         .         .         S         .         .         .         .         .
20015 148I        .         .         .         .         .         S         .         .         .         .         .
20020 149I        .         .         .         .         .         S         .         .         .         .         .
20025 150I        .         .         .         .         .         S         .         .         .         .         .
20030 151I . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
20035 152I        .         .         .         .         .         S         .         .         .         .         .
20040 153I        .         .         .         .         .         S         .         .         .         .         .
20045 154I        .         .         .         .         .         S         .         .         .         .         .
20050 155I        .         .         .         .         .         S         .         .         .         .         .
20055 156I        .         .         .         .         .         S         .         .         .         .         .
20100 157I        .         .         .         .         .         S         .         .         .         .         .
20105 158I        .         .         .         .         .         S         .         .         .         .         .
20110 159I        .         .         .         .         .         S         .         .         .         .         .
20115 160I        .         .         .         .         .         S         .         .         .         .         .
20120 161I . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
20125 162I        .         .         .         .         .         S         .         .         .         .         .
20130 163I        .         .         .         .         .         S         .         .         .         .         .
20135 164I        .         .         .         .         .         S         .         .         .         .         .
20140 165I        .         .         .         .         .         S         .         .         .         .         .
20145 166I        .         .         .         .         .         S         .         .         .         .         .
20150 167I        .         .         .         .         .         S         .         .         .         .         .
20155 168I        .         .         .         .         .         S         .         .         .         .         .
20200 169I        .         .         .         .         .         S         .         .         .         .         .
20205 170I        .         .         .         .         .         S         .         .         .         .         .
20210 171I . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
20215 172I        .         .         .         .         .         S         .         .         .         .         .
20220 173I        .         .         .         .         .         S         .         .         .         .         .
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20225 174I          .         .         .         .         .         S         .         .         .         .         .
20230 175I          .         .         .         .         .         S         .         .         .         .         .
20235 176I          .         .         .         .         .         S         .         .         .         .         .
20240 177I          .         .         .         .         .         S         .         .         .         .         .
20245 178I          .         .         .         .         .         S         .         .         .         .         .
20250 179OI         .         .         .         .         .         S         .         .         .         .         .
20255 180OI         .         .         .         .         .         S         .         .         .         .         .
20300 181OI. . . . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . . . . . . . . . . . . . . .
20305 182OI         .         .         .         .         .         S         .         .         .         .         .
20310 183.I         .         .         .         .         .         S         .         .         .         .         .
20315 184.OI        .         .         .         .         .         .S        .         .         .         .         .
20320 185.OI        .         .         .         .         .         .S        .         .         .         .         .
20325 186.O I       .         .         .         .         .         .S        .         .         .         .         .
20330 187.O  I      .         .         .         .         .         .S        .         .         .         .         .
20335 188. O  I     .         .         .         .         .         . S       .         .         .         .         .
20340 189. O   I    .         .         .         .         .         . S       .         .         .         .         .
20345 190.  O     I .         .         .         .         .         .  S      .         .         .         .         .
20350 191. . O . . . I . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . .
20355 192.    O     .        I.         .         .         .         .    S    .         .         .         .         .
20400 193.          O         .         .         .       I .         S         .         .         .         .
20405 194.          . O       .         .         .         .         .         .       SI.         .         .         .
20410 195.          .  O      .         .         .         .     I   .         .         .    S    .         .         .
20415 196.          .   O     .         .    I    .         .         .         .         .        S.         .         .
20420 197.          .    O    .    I    .         .         .         .         .         .         . S       .         .
20425 198.          .    O   I.         .         .         .         .         .         .         .  S      .         .
20430 199.          .    I    .         .         .         .         .         .         .         .  S      .         .
20435 200.          .  I O    .         .         .         .         .         .         .         .  S      .         .
20440 201. . . . . . I .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . .
20445 202.          .I   O    .         .         .         .         .         .         .         . S       .         .
20450 203.          I    O    .         .         .         .         .         .         .         .S        .         .
20455 204.         I.    O    .         .         .         .         .         .         .         .S        .         .
20500 205.         I.   O     .         .         .         .         .         .         .         S         .         .
20505 206.        I .   O     .         .         .         .         .         .         .        S.         .         .
20510 207.        I .   O     .         .         .         .         .         .         .       S .         .         .
20515 208.        I .   O     .         .         .         .         .         .         .       S .         .         .
20520 209.       I  .   O     .         .         .         .         .         .         .      S  .         .         .
20525 210.       I  .  O      .         .         .         .         .         .         .     S   .         .         .
20530 211. . . .I. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . .
20535 212.       I  .  O      .         .         .         .         .         .         .   S     .         .         .
20540 213.       I  .  O      .         .         .         .         .         .         .  S      .         .         .
20545 214.      I   .  O      .         .         .         .         .         .         . S       .         .         .
20550 215.      I   .  O      .         .         .         .         .         .         .S        .         .         .
20555 216.      I   . O       .         .         .         .         .         .         .S        .         .         .
20600 217.      I   . O       .         .         .         .         .         .         S         .         .         .
20605 218.     I    . O       .         .         .         .         .         .        S.         .         .         .
20610 219.     I    . O       .         .         .         .         .         .       S .         .         .         .
20615 220.     I    . O       .         .         .         .         .         .      S  .         .         .         .
20620 221. . .I. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . . . . . . . .
20625 222.     I    .O        .         .         .         .         .         .    S    .         .         .         .
20630 223.     I    .O        .         .         .         .         .         .   S     .         .         .         .
20635 224.     I    .O        .         .         .         .         .         .  S      .         .         .         .
20640 225.    I     .O        .         .         .         .         .         .  S      .         .         .         .
20645 226.    I     O         .         .         .         .         .         . S       .         .         .         .
20650 227.    I     O         .         .         .         .         .         .S        .         .         .         .
20655 228.    I     O         .         .         .         .         .         S         .         .         .         .
20700 229.    I     O         .         .         .         .         .        S.         .         .         .         .
20705 230.    I    O.         .         .         .         .        S.         .         .         .         .
20710 231. . I . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . .
20715 232.    I   O .         .         .         .         .       S .         .         .         .         .
20720 233.    I  O  .         .         .         .         .      S  .         .         .         .         .
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20725 234.   I  O .         .         .         .         .         .     S .         .         .         .         .
20730 235.   I O  .         .         .         .         .         .    S  .         .         .         .         .
20735 236.   I O  .         .         .         .         .         .    S  .         .         .         .         .
20740 237.   I O  .         .         .         .         .         .    S  .         .         .         .         .
20745 238.   IO   .         .         .         .         .         .   S   .         .         .         .         .
20750 239.   IO   .         .         .         .         .         .   S   .         .         .         .         .
20755 240.   IO   .         .         .         .         .         .   S   .         .         .         .         .
20800 241. .I.O. . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . . . . . . . . . . . . . . . .
20805 242.  I O   .         .         .         .         .         .    S  .         .         .         .         .
20810 243.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20815 244.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20820 245.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20825 246.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20830 247.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20835 248.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20840 249.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20845 250.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20850 251. .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
20855 252.  IO    .         .         .         .         .         .  S    .         .         .         .         .
20900 253.  IO    .         .         .         .         .         . S     .         .         .         .         .
20905 254.  I     .         .         .         .         .         . S     .         .         .         .         .
20910 255.  I     .         .         .         .         .         . S     .         .         .         .         .
20915 256.  I     .         .         .         .         .         . S     .         .         .         .         .
20920 257.  I     .         .         .         .         .         . S     .         .         .         .         .
20925 258.  I     .         .         .         .         .         . S     .         .         .         .         .
20930 259.  I     .         .         .         .         .         . S     .         .         .         .         .
20935 260.  I     .         .         .         .         .         . S     .         .         .         .         .
20940 261. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . . . . . . . . . . . . . . . .
20945 262.  I     .         .         .         .         .         . S     .         .         .         .         .
20950 263.  I     .         .         .         .         .         . S     .         .         .         .         .
20955 264.  I     .         .         .         .         .         . S     .         .         .         .         .
21000 265.  I     .         .         .         .         .         . S     .         .         .         .         .
21005 266.  I     .         .         .         .         .         . S     .         .         .         .         .
21010 267.  I     .         .         .         .         .         . S     .         .         .         .         .
21015 268.  I     .         .         .         .         .         . S     .         .         .         .         .
21020 269.  I     .         .         .         .         .         . S     .         .         .         .         .
21025 270.  I     .         .         .         .         .         . S     .         .         .         .         .
21030 271. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . . . . . . . . . . . . . . . .
21035 272.  I     .         .         .         .         .         . S     .         .         .         .         .
21040 273.  I     .         .         .         .         .         . S     .         .         .         .         .
21045 274.  I     .         .         .         .         .         . S     .         .         .         .         .
21050 275.  I     .         .         .         .         .         . S     .         .         .         .         .
21055 276.  I     .         .         .         .         .         . S     .         .         .         .         .
21100 277.  I     .         .         .         .         .         . S     .         .         .         .         .
21105 278.  I     .         .         .         .         .         . S     .         .         .         .         .
21110 279. IO     .         .         .         .         .         . S     .         .         .         .         .
21115 280. IO     .         .         .         .         .         . S     .         .         .         .         .
21120 281. IO. . . . . . . . . . . . . . . . . . . . . . . . . . . .S. . . . . . . . . . . . . . . . . . . . . . . . . . . . .
21125 282. IO     .         .         .         .         .         . S     .         .         .         .         .
21130 283. IO     .         .         .         .         .         . S     .         .         .         .         .
21135 284. IO     .         .         .         .         .         . S     .         .         .         .         .
21140 285. IO     .         .         .         .         .         . S     .         .         .         .         .
21145 286. IO     .         .         .         .         .         . S     .         .         .         .         .
21150 287. I      .         .         .         .         .         . S     .         .         .         .         .
21155 288. I      .         .         .         .         .         . S     .         .         .         .         .
21200 289. I      .         .         .         .         .         . S     .         .         .         .         .
21205 290.IO      .         .         .         .         .         . S     .         .         .         .         .
21210 291I O . . . . . . . . . . . . . . . . . . . . . . . . . . . S . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
21215 292I O      .         .         .         .         .         . S     .         .         .         .         .
21220 293I O      .         .         .         .         .         . S     .         .         .         .         .
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21225 294IO        .         .         .         .         .         .S        .         .         .         .         .
21230 295IO        .         .         .         .         .         .S        .         .         .         .         .
21235 296IO        .         .         .         .         .         .S        .         .         .         .         .
21240 297IO        .         .         .         .         .         .S        .         .         .         .         .
21245 298IO        .         .         .         .         .         .S        .         .         .         .         .
21250 299IO        .         .         .         .         .         .S        .         .         .         .         .
21255 300IO--------.---------.---------.---------.---------.---------.S--------.---------.---------.---------.---------.---------
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          *            *
202 KK    *   MAIN_G   *
          *            *
          **************
                         Q IN MAIN LINE AFTER CONFLUENCE WITH DETAINED FLOW FROM BASINS
                         5, 7, AND 8

205 HC          HYDROGRAPH COMBINATION
                     ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION MAIN_G
SUM OF 2 HYDROGRAPHS

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

1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	1.	*	2 JAN 0920	257	2.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	1.	*	2 JAN 0925	258	2.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	1.	*	2 JAN 0930	259	2.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	1.	*	2 JAN 0935	260	2.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	1.	*	2 JAN 0940	261	2.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	2.	*	2 JAN 0945	262	2.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	2.	*	2 JAN 0950	263	2.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	2.	*	2 JAN 0955	264	2.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	2.	*	2 JAN 1000	265	2.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	3.	*	2 JAN 1005	266	2.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	3.	*	2 JAN 1010	267	2.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	4.	*	2 JAN 1015	268	2.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	5.	*	2 JAN 1020	269	2.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	7.	*	2 JAN 1025	270	2.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	8.	*	2 JAN 1030	271	2.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	10.	*	2 JAN 1035	272	2.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	11.	*	2 JAN 1040	273	2.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	12.	*	2 JAN 1045	274	2.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	12.	*	2 JAN 1050	275	2.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	12.	*	2 JAN 1055	276	2.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	12.	*	2 JAN 1100	277	2.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	12.	*	2 JAN 1105	278	2.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	12.	*	2 JAN 1110	279	2.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	12.	*	2 JAN 1115	280	2.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	12.	*	2 JAN 1120	281	2.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	11.	*	2 JAN 1125	282	2.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	11.	*	2 JAN 1130	283	2.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	11.	*	2 JAN 1135	284	2.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	10.	*	2 JAN 1140	285	2.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	10.	*	2 JAN 1145	286	2.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	10.	*	2 JAN 1150	287	2.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	9.	*	2 JAN 1155	288	2.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	9.	*	2 JAN 1200	289	2.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	9.	*	2 JAN 1205	290	2.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	8.	*	2 JAN 1210	291	1.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	8.	*	2 JAN 1215	292	1.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	8.	*	2 JAN 1220	293	1.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	8.	*	2 JAN 1225	294	1.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	7.	*	2 JAN 1230	295	1.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	7.	*	2 JAN 1235	296	1.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	7.	*	2 JAN 1240	297	1.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	7.	*	2 JAN 1245	298	1.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	6.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	6.	*	2 JAN 1255	300	0.
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
12.	16.67	(CFS)	6.	2.	2.	2.
		(INCHES)	.373	.439	.439	.439
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .15 SQ MI

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            *           *
206 KK      *    RT_G3  *
            *           *
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207 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                      IPNCH          0  PUNCH COMPUTED HYDROGRAPH
                       IOUT         21  SAVE HYDROGRAPH ON THIS UNIT
                      ISAV1          1  FIRST ORDINATE PUNCHED OR SAVED
                      ISAV2        300  LAST ORDINATE PUNCHED OR SAVED
                     TIMINT       .083  TIME INTERVAL IN HOURS

                         ROUTE THROUGH MAIN LINE FROM LINE G TO CONNECTION 3
                         THE RD CARD NOT USED FOR THE ROUTING ANALYSIS

              HYDROGRAPH ROUTING DATA

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

211 RC          NORMAL DEPTH CHANNEL
                        ANL       .013  LEFT OVERBANK N-VALUE
                       ANCH       .013  MAIN CHANNEL N-VALUE
                        ANR       .013  RIGHT OVERBANK N-VALUE
                      RLNTH      1575.  REACH LENGTH
                        SEL      .0025  ENERGY SLOPE
                       ELMAX         .0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                      CROSS-SECTION DATA
                          --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
213 RY        ELEVATION   121.80   121.80   121.80   120.00   120.00   121.80   121.80   121.80
212 RX        DISTANCE      1.00     2.00     5.00     5.00     7.50     7.50     8.00     9.00

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                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .01      .02      .03      .03      .04      .05      .06      .07      .08
          OUTFLOW       .00      .27      .82     1.54     2.38     3.33     4.35     5.44     6.58     7.77
        ELEVATION    120.00   120.09   120.19   120.28   120.38   120.47   120.57   120.66   120.76   120.85

          STORAGE       .09      .09      .10      .11      .12      .13      .14      .15      .15      .16
          OUTFLOW      8.99    10.24    11.53    12.83    14.16    15.51    16.88    18.26    19.65    21.05
        ELEVATION    120.95   121.04   121.14   121.23   121.33   121.42   121.52   121.61   121.71   121.80

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                                      HYDROGRAPH AT STATION    RT_G3

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
							*								*							
1	JAN	1200	1	0.	.0	120.0	*	1	JAN	2020	101	0.	.0	120.0	*	2	JAN	0440	201	12.	.1	121.2
1	JAN	1205	2	0.	.0	120.0	*	1	JAN	2025	102	0.	.0	120.0	*	2	JAN	0445	202	12.	.1	121.2
1	JAN	1210	3	0.	.0	120.0	*	1	JAN	2030	103	0.	.0	120.0	*	2	JAN	0450	203	12.	.1	121.2
1	JAN	1215	4	0.	.0	120.0	*	1	JAN	2035	104	0.	.0	120.0	*	2	JAN	0455	204	12.	.1	121.2
1	JAN	1220	5	0.	.0	120.0	*	1	JAN	2040	105	0.	.0	120.0	*	2	JAN	0500	205	12.	.1	121.2
1	JAN	1225	6	0.	.0	120.0	*	1	JAN	2045	106	0.	.0	120.0	*	2	JAN	0505	206	12.	.1	121.2
1	JAN	1230	7	0.	.0	120.0	*	1	JAN	2050	107	0.	.0	120.0	*	2	JAN	0510	207	11.	.1	121.1
1	JAN	1235	8	0.	.0	120.0	*	1	JAN	2055	108	0.	.0	120.0	*	2	JAN	0515	208	11.	.1	121.1
1	JAN	1240	9	0.	.0	120.0	*	1	JAN	2100	109	0.	.0	120.0	*	2	JAN	0520	209	11.	.1	121.1
1	JAN	1245	10	0.	.0	120.0	*	1	JAN	2105	110	0.	.0	120.0	*	2	JAN	0525	210	11.	.1	121.1
1	JAN	1250	11	0.	.0	120.0	*	1	JAN	2110	111	0.	.0	120.0	*	2	JAN	0530	211	10.	.1	121.0
1	JAN	1255	12	0.	.0	120.0	*	1	JAN	2115	112	0.	.0	120.0	*	2	JAN	0535	212	10.	.1	121.0
1	JAN	1300	13	0.	.0	120.0	*	1	JAN	2120	113	0.	.0	120.0	*	2	JAN	0540	213	10.	.1	121.0
1	JAN	1305	14	0.	.0	120.0	*	1	JAN	2125	114	0.	.0	120.0	*	2	JAN	0545	214	9.	.1	121.0
1	JAN	1310	15	0.	.0	120.0	*	1	JAN	2130	115	0.	.0	120.0	*	2	JAN	0550	215	9.	.1	120.9
1	JAN	1315	16	0.	.0	120.0	*	1	JAN	2135	116	0.	.0	120.0	*	2	JAN	0555	216	9.	.1	120.9
1	JAN	1320	17	0.	.0	120.0	*	1	JAN	2140	117	0.	.0	120.0	*	2	JAN	0600	217	8.	.1	120.9
1	JAN	1325	18	0.	.0	120.0	*	1	JAN	2145	118	0.	.0	120.0	*	2	JAN	0605	218	8.	.1	120.9
1	JAN	1330	19	0.	.0	120.0	*	1	JAN	2150	119	0.	.0	120.0	*	2	JAN	0610	219	8.	.1	120.9
1	JAN	1335	20	0.	.0	120.0	*	1	JAN	2155	120	0.	.0	120.0	*	2	JAN	0615	220	8.	.1	120.8
1	JAN	1340	21	0.	.0	120.0	*	1	JAN	2200	121	0.	.0	120.0	*	2	JAN	0620	221	7.	.1	120.8
1	JAN	1345	22	0.	.0	120.0	*	1	JAN	2205	122	0.	.0	120.0	*	2	JAN	0625	222	7.	.1	120.8
1	JAN	1350	23	0.	.0	120.0	*	1	JAN	2210	123	0.	.0	120.0	*	2	JAN	0630	223	7.	.1	120.8
1	JAN	1355	24	0.	.0	120.0	*	1	JAN	2215	124	0.	.0	120.0	*	2	JAN	0635	224	7.	.1	120.8
1	JAN	1400	25	0.	.0	120.0	*	1	JAN	2220	125	0.	.0	120.0	*	2	JAN	0640	225	6.	.1	120.7
1	JAN	1405	26	0.	.0	120.0	*	1	JAN	2225	126	0.	.0	120.0	*	2	JAN	0645	226	6.	.1	120.7
1	JAN	1410	27	0.	.0	120.0	*	1	JAN	2230	127	0.	.0	120.0	*	2	JAN	0650	227	6.	.1	120.7
1	JAN	1415	28	0.	.0	120.0	*	1	JAN	2235	128	0.	.0	120.0	*	2	JAN	0655	228	6.	.1	120.7
1	JAN	1420	29	0.	.0	120.0	*	1	JAN	2240	129	0.	.0	120.0	*	2	JAN	0700	229	6.	.1	120.7
1	JAN	1425	30	0.	.0	120.0	*	1	JAN	2245	130	0.	.0	120.0	*	2	JAN	0705	230	5.	.1	120.7
1	JAN	1430	31	0.	.0	120.0	*	1	JAN	2250	131	0.	.0	120.0	*	2	JAN	0710	231	5.	.1	120.6
1	JAN	1435	32	0.	.0	120.0	*	1	JAN	2255	132	0.	.0	120.0	*	2	JAN	0715	232	5.	.1	120.6
1	JAN	1440	33	0.	.0	120.0	*	1	JAN	2300	133	0.	.0	120.0	*	2	JAN	0720	233	5.	.1	120.6
1	JAN	1445	34	0.	.0	120.0	*	1	JAN	2305	134	0.	.0	120.0	*	2	JAN	0725	234	5.	.1	120.6
1	JAN	1450	35	0.	.0	120.0	*	1	JAN	2310	135	0.	.0	120.0	*	2	JAN	0730	235	4.	.1	120.6
1	JAN	1455	36	0.	.0	120.0	*	1	JAN	2315	136	0.	.0	120.0	*	2	JAN	0735	236	4.	.1	120.6
1	JAN	1500	37	0.	.0	120.0	*	1	JAN	2320	137	0.	.0	120.0	*	2	JAN	0740	237	4.	.0	120.5
1	JAN	1505	38	0.	.0	120.0	*	1	JAN	2325	138	0.	.0	120.0	*	2	JAN	0745	238	4.	.0	120.5
1	JAN	1510	39	0.	.0	120.0	*	1	JAN	2330	139	0.	.0	120.0	*	2	JAN	0750	239	4.	.0	120.5
1	JAN	1515	40	0.	.0	120.0	*	1	JAN	2335	140	0.	.0	120.0	*	2	JAN	0755	240	4.	.0	120.5
1	JAN	1520	41	0.	.0	120.0	*	1	JAN	2340	141	0.	.0	120.0	*	2	JAN	0800	241	4.	.0	120.5
1	JAN	1525	42	0.	.0	120.0	*	1	JAN	2345	142	0.	.0	120.0	*	2	JAN	0805	242	3.	.0	120.5
1	JAN	1530	43	0.	.0	120.0	*	1	JAN	2350	143	0.	.0	120.0	*	2	JAN	0810	243	3.	.0	120.5
1	JAN	1535	44	0.	.0	120.0	*	1	JAN	2355	144	0.	.0	120.0	*	2	JAN	0815	244	3.	.0	120.5
1	JAN	1540	45	0.	.0	120.0	*	2	JAN	0000	145	0.	.0	120.0	*	2	JAN	0820	245	3.	.0	120.4
1	JAN	1545	46	0.	.0	120.0	*	2	JAN	0005	146	0.	.0	120.0	*	2	JAN	0825	246	3.	.0	120.4
1	JAN	1550	47	0.	.0	120.0	*	2	JAN	0010	147	0.	.0	120.0	*	2	JAN	0830	247	3.	.0	120.4
1	JAN	1555	48	0.	.0	120.0	*	2	JAN	0015	148	0.	.0	120.0	*	2	JAN	0835	248	3.	.0	120.4
1	JAN	1600	49	0.	.0	120.0	*	2	JAN	0020	149	0.	.0	120.0	*	2	JAN	0840	249	3.	.0	120.4
1	JAN	1605	50	0.	.0	120.0	*	2	JAN	0025	150	0.	.0	120.0	*	2	JAN	0845	250	3.	.0	120.4
1	JAN	1610	51	0.	.0	120.0	*	2	JAN	0030	151	0.	.0	120.0	*	2	JAN	0850	251	2.	.0	120.4
1	JAN	1615	52	0.	.0	120.0	*	2	JAN	0035	152	0.	.0	120.0	*	2	JAN	0855	252	2.	.0	120.4
1	JAN	1620	53	0.	.0	120.0	*	2	JAN	0040	153	0.	.0	120.0	*	2	JAN	0900	253	2.	.0	120.4
1	JAN	1625	54	0.	.0	120.0	*	2	JAN	0045	154	0.	.0	120.0	*	2	JAN	0905	254	2.	.0	120.4
1	JAN	1630	55	0.	.0	120.0	*	2	JAN	0050	155	0.	.0	120.0	*	2	JAN	0910	255	2.	.0	120.4
1	JAN	1635	56	0.	.0	120.0	*	2	JAN	0055	156	0.	.0	120.0	*	2	JAN	0915	256	2.	.0	120.4
1	JAN	1640	57	0.	.0	120.0	*	2	JAN	0100	157	0.	.0	120.0	*	2	JAN	0920	257	2.	.0	120.4
1	JAN	1645	58	0.	.0	120.0	*	2	JAN	0105	158	0.	.0	120.0	*	2	JAN	0925	258	2.	.0	120.4

1 JAN 1650	59	0.	.0	120.0	*	2 JAN 0110	159	0.	.0	120.0	*	2 JAN 0930	259	2.	.0	120.4
1 JAN 1655	60	0.	.0	120.0	*	2 JAN 0115	160	0.	.0	120.0	*	2 JAN 0935	260	2.	.0	120.4
1 JAN 1700	61	0.	.0	120.0	*	2 JAN 0120	161	0.	.0	120.0	*	2 JAN 0940	261	2.	.0	120.4
1 JAN 1705	62	0.	.0	120.0	*	2 JAN 0125	162	0.	.0	120.0	*	2 JAN 0945	262	2.	.0	120.4
1 JAN 1710	63	0.	.0	120.0	*	2 JAN 0130	163	0.	.0	120.0	*	2 JAN 0950	263	2.	.0	120.3
1 JAN 1715	64	0.	.0	120.0	*	2 JAN 0135	164	0.	.0	120.0	*	2 JAN 0955	264	2.	.0	120.3
1 JAN 1720	65	0.	.0	120.0	*	2 JAN 0140	165	0.	.0	120.0	*	2 JAN 1000	265	2.	.0	120.3
1 JAN 1725	66	0.	.0	120.0	*	2 JAN 0145	166	0.	.0	120.0	*	2 JAN 1005	266	2.	.0	120.3
1 JAN 1730	67	0.	.0	120.0	*	2 JAN 0150	167	0.	.0	120.0	*	2 JAN 1010	267	2.	.0	120.3
1 JAN 1735	68	0.	.0	120.0	*	2 JAN 0155	168	0.	.0	120.0	*	2 JAN 1015	268	2.	.0	120.3
1 JAN 1740	69	0.	.0	120.0	*	2 JAN 0200	169	0.	.0	120.0	*	2 JAN 1020	269	2.	.0	120.3
1 JAN 1745	70	0.	.0	120.0	*	2 JAN 0205	170	0.	.0	120.0	*	2 JAN 1025	270	2.	.0	120.3
1 JAN 1750	71	0.	.0	120.0	*	2 JAN 0210	171	0.	.0	120.0	*	2 JAN 1030	271	2.	.0	120.3
1 JAN 1755	72	0.	.0	120.0	*	2 JAN 0215	172	0.	.0	120.0	*	2 JAN 1035	272	2.	.0	120.3
1 JAN 1800	73	0.	.0	120.0	*	2 JAN 0220	173	0.	.0	120.0	*	2 JAN 1040	273	2.	.0	120.3
1 JAN 1805	74	0.	.0	120.0	*	2 JAN 0225	174	0.	.0	120.0	*	2 JAN 1045	274	2.	.0	120.3
1 JAN 1810	75	0.	.0	120.0	*	2 JAN 0230	175	0.	.0	120.0	*	2 JAN 1050	275	2.	.0	120.3
1 JAN 1815	76	0.	.0	120.0	*	2 JAN 0235	176	0.	.0	120.1	*	2 JAN 1055	276	2.	.0	120.3
1 JAN 1820	77	0.	.0	120.0	*	2 JAN 0240	177	0.	.0	120.1	*	2 JAN 1100	277	2.	.0	120.3
1 JAN 1825	78	0.	.0	120.0	*	2 JAN 0245	178	0.	.0	120.1	*	2 JAN 1105	278	2.	.0	120.3
1 JAN 1830	79	0.	.0	120.0	*	2 JAN 0250	179	0.	.0	120.1	*	2 JAN 1110	279	2.	.0	120.3
1 JAN 1835	80	0.	.0	120.0	*	2 JAN 0255	180	0.	.0	120.1	*	2 JAN 1115	280	2.	.0	120.3
1 JAN 1840	81	0.	.0	120.0	*	2 JAN 0300	181	1.	.0	120.1	*	2 JAN 1120	281	2.	.0	120.3
1 JAN 1845	82	0.	.0	120.0	*	2 JAN 0305	182	1.	.0	120.2	*	2 JAN 1125	282	2.	.0	120.3
1 JAN 1850	83	0.	.0	120.0	*	2 JAN 0310	183	1.	.0	120.2	*	2 JAN 1130	283	2.	.0	120.3
1 JAN 1855	84	0.	.0	120.0	*	2 JAN 0315	184	1.	.0	120.2	*	2 JAN 1135	284	2.	.0	120.3
1 JAN 1900	85	0.	.0	120.0	*	2 JAN 0320	185	1.	.0	120.2	*	2 JAN 1140	285	2.	.0	120.3
1 JAN 1905	86	0.	.0	120.0	*	2 JAN 0325	186	1.	.0	120.2	*	2 JAN 1145	286	2.	.0	120.3
1 JAN 1910	87	0.	.0	120.0	*	2 JAN 0330	187	1.	.0	120.3	*	2 JAN 1150	287	2.	.0	120.3
1 JAN 1915	88	0.	.0	120.0	*	2 JAN 0335	188	2.	.0	120.3	*	2 JAN 1155	288	2.	.0	120.3
1 JAN 1920	89	0.	.0	120.0	*	2 JAN 0340	189	2.	.0	120.3	*	2 JAN 1200	289	2.	.0	120.3
1 JAN 1925	90	0.	.0	120.0	*	2 JAN 0345	190	2.	.0	120.3	*	2 JAN 1205	290	2.	.0	120.3
1 JAN 1930	91	0.	.0	120.0	*	2 JAN 0350	191	2.	.0	120.4	*	2 JAN 1210	291	2.	.0	120.3
1 JAN 1935	92	0.	.0	120.0	*	2 JAN 0355	192	3.	.0	120.4	*	2 JAN 1215	292	1.	.0	120.3
1 JAN 1940	93	0.	.0	120.0	*	2 JAN 0400	193	3.	.0	120.5	*	2 JAN 1220	293	1.	.0	120.3
1 JAN 1945	94	0.	.0	120.0	*	2 JAN 0405	194	4.	.0	120.5	*	2 JAN 1225	294	1.	.0	120.2
1 JAN 1950	95	0.	.0	120.0	*	2 JAN 0410	195	5.	.1	120.6	*	2 JAN 1230	295	1.	.0	120.2
1 JAN 1955	96	0.	.0	120.0	*	2 JAN 0415	196	7.	.1	120.8	*	2 JAN 1235	296	1.	.0	120.2
1 JAN 2000	97	0.	.0	120.0	*	2 JAN 0420	197	8.	.1	120.9	*	2 JAN 1240	297	1.	.0	120.2
1 JAN 2005	98	0.	.0	120.0	*	2 JAN 0425	198	10.	.1	121.0	*	2 JAN 1245	298	1.	.0	120.2
1 JAN 2010	99	0.	.0	120.0	*	2 JAN 0430	199	11.	.1	121.1	*	2 JAN 1250	299	1.	.0	120.2
1 JAN 2015	100	0.	.0	120.0	*	2 JAN 0435	200	12.	.1	121.1	*	2 JAN 1255	300	1.	.0	120.1
					*						*					

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
12.	16.83	(CFS)	6.	2.	2.	2.
		(INCHES)	.373	.438	.438	.438
		(AC-FT)	3.	4.	4.	4.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.92-HR
0.	16.75	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.92-HR
121.19	16.83	120.69	120.22	120.21	120.21

CUMULATIVE AREA = .15 SQ MI

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          *            *
214 KK    *        9A  *
          *            *
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                    BASIN 9A ULTIMATELY DRAINING TO CONNECTION 2

             SUBBASIN RUNOFF DATA

216 BA          SUBBASIN CHARACTERISTICS
                     TAREA          .02  SUBBASIN AREA

                PRECIPITATION DATA

 40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI            INCREMENTAL PRECIPITATION PATTERN
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .02       .02       .02       .02       .02       .02       .02
                     .02       .02       .02       .03       .03       .03       .03       .04       .05       .07
                     .10       .35       .06       .04       .03       .02       .02       .02       .02       .02
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00
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217 LS          SCS LOSS RATE
                     STRTL         .90  INITIAL ABSTRACTION
                    CRVNBR       69.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

218 UD          SCS DIMENSIONLESS UNITGRAPH
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TLAG .12 LAG

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

UNIT HYDROGRAPH

9 END-OF-PERIOD ORDINATES

30. 60. 38. 16. 7. 3. 1. 1. 0.

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HYDROGRAPH AT STATION 9A

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

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

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

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.06, TOTAL EXCESS = .42

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

CUMULATIVE AREA = .02 SQ MI

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

             HYDROGRAPH ROUTING DATA

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

222 SA              AREA         .0       1.6       1.6

223 SQ          DISCHARGE         0.        0.       20.

224 SE          ELEVATION      53.00     54.00     54.10

                                                   ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .53       .69
        ELEVATION      53.00     54.00     54.10

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                                        HYDROGRAPH AT STATION    DET9A

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                                         *                                        *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                         *                                        *
 1 JAN 1200   1       0.       .5    54.0 *  1 JAN 2020 101       0.       .5    54.0 *  2 JAN 0440 201       1.       .5    54.0
 1 JAN 1205   2       0.       .5    54.0 *  1 JAN 2025 102       0.       .5    54.0 *  2 JAN 0445 202       1.       .5    54.0
 1 JAN 1210   3       0.       .5    54.0 *  1 JAN 2030 103       0.       .5    54.0 *  2 JAN 0450 203       1.       .5    54.0
 1 JAN 1215   4       0.       .5    54.0 *  1 JAN 2035 104       0.       .5    54.0 *  2 JAN 0455 204       1.       .5    54.0
 1 JAN 1220   5       0.       .5    54.0 *  1 JAN 2040 105       0.       .5    54.0 *  2 JAN 0500 205       1.       .5    54.0
 1 JAN 1225   6       0.       .5    54.0 *  1 JAN 2045 106       0.       .5    54.0 *  2 JAN 0505 206       1.       .5    54.0
 1 JAN 1230   7       0.       .5    54.0 *  1 JAN 2050 107       0.       .5    54.0 *  2 JAN 0510 207       1.       .5    54.0
 1 JAN 1235   8       0.       .5    54.0 *  1 JAN 2055 108       0.       .5    54.0 *  2 JAN 0515 208       1.       .5    54.0
 1 JAN 1240   9       0.       .5    54.0 *  1 JAN 2100 109       0.       .5    54.0 *  2 JAN 0520 209       1.       .5    54.0
 1 JAN 1245  10       0.       .5    54.0 *  1 JAN 2105 110       0.       .5    54.0 *  2 JAN 0525 210       1.       .5    54.0
 1 JAN 1250  11       0.       .5    54.0 *  1 JAN 2110 111       0.       .5    54.0 *  2 JAN 0530 211       1.       .5    54.0
 1 JAN 1255  12       0.       .5    54.0 *  1 JAN 2115 112       0.       .5    54.0 *  2 JAN 0535 212       1.       .5    54.0
 1 JAN 1300  13       0.       .5    54.0 *  1 JAN 2120 113       0.       .5    54.0 *  2 JAN 0540 213       1.       .5    54.0
 1 JAN 1305  14       0.       .5    54.0 *  1 JAN 2125 114       0.       .5    54.0 *  2 JAN 0545 214       1.       .5    54.0
 1 JAN 1310  15       0.       .5    54.0 *  1 JAN 2130 115       0.       .5    54.0 *  2 JAN 0550 215       1.       .5    54.0
 1 JAN 1315  16       0.       .5    54.0 *  1 JAN 2135 116       0.       .5    54.0 *  2 JAN 0555 216       1.       .5    54.0
 1 JAN 1320  17       0.       .5    54.0 *  1 JAN 2140 117       0.       .5    54.0 *  2 JAN 0600 217       1.       .5    54.0
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1 JAN 1325	18	0.	.5	54.0 *	1 JAN 2145	118	0.	.5	54.0 *	2 JAN 0605	218	0.	.5	54.0
1 JAN 1330	19	0.	.5	54.0 *	1 JAN 2150	119	0.	.5	54.0 *	2 JAN 0610	219	0.	.5	54.0
1 JAN 1335	20	0.	.5	54.0 *	1 JAN 2155	120	0.	.5	54.0 *	2 JAN 0615	220	0.	.5	54.0
1 JAN 1340	21	0.	.5	54.0 *	1 JAN 2200	121	0.	.5	54.0 *	2 JAN 0620	221	0.	.5	54.0
1 JAN 1345	22	0.	.5	54.0 *	1 JAN 2205	122	0.	.5	54.0 *	2 JAN 0625	222	0.	.5	54.0
1 JAN 1350	23	0.	.5	54.0 *	1 JAN 2210	123	0.	.5	54.0 *	2 JAN 0630	223	0.	.5	54.0
1 JAN 1355	24	0.	.5	54.0 *	1 JAN 2215	124	0.	.5	54.0 *	2 JAN 0635	224	0.	.5	54.0
1 JAN 1400	25	0.	.5	54.0 *	1 JAN 2220	125	0.	.5	54.0 *	2 JAN 0640	225	0.	.5	54.0
1 JAN 1405	26	0.	.5	54.0 *	1 JAN 2225	126	0.	.5	54.0 *	2 JAN 0645	226	0.	.5	54.0
1 JAN 1410	27	0.	.5	54.0 *	1 JAN 2230	127	0.	.5	54.0 *	2 JAN 0650	227	0.	.5	54.0
1 JAN 1415	28	0.	.5	54.0 *	1 JAN 2235	128	0.	.5	54.0 *	2 JAN 0655	228	0.	.5	54.0
1 JAN 1420	29	0.	.5	54.0 *	1 JAN 2240	129	0.	.5	54.0 *	2 JAN 0700	229	0.	.5	54.0
1 JAN 1425	30	0.	.5	54.0 *	1 JAN 2245	130	0.	.5	54.0 *	2 JAN 0705	230	0.	.5	54.0
1 JAN 1430	31	0.	.5	54.0 *	1 JAN 2250	131	0.	.5	54.0 *	2 JAN 0710	231	0.	.5	54.0
1 JAN 1435	32	0.	.5	54.0 *	1 JAN 2255	132	0.	.5	54.0 *	2 JAN 0715	232	0.	.5	54.0
1 JAN 1440	33	0.	.5	54.0 *	1 JAN 2300	133	0.	.5	54.0 *	2 JAN 0720	233	0.	.5	54.0
1 JAN 1445	34	0.	.5	54.0 *	1 JAN 2305	134	0.	.5	54.0 *	2 JAN 0725	234	0.	.5	54.0
1 JAN 1450	35	0.	.5	54.0 *	1 JAN 2310	135	0.	.5	54.0 *	2 JAN 0730	235	0.	.5	54.0
1 JAN 1455	36	0.	.5	54.0 *	1 JAN 2315	136	0.	.5	54.0 *	2 JAN 0735	236	0.	.5	54.0
1 JAN 1500	37	0.	.5	54.0 *	1 JAN 2320	137	0.	.5	54.0 *	2 JAN 0740	237	0.	.5	54.0
1 JAN 1505	38	0.	.5	54.0 *	1 JAN 2325	138	0.	.5	54.0 *	2 JAN 0745	238	0.	.5	54.0
1 JAN 1510	39	0.	.5	54.0 *	1 JAN 2330	139	0.	.5	54.0 *	2 JAN 0750	239	0.	.5	54.0
1 JAN 1515	40	0.	.5	54.0 *	1 JAN 2335	140	0.	.5	54.0 *	2 JAN 0755	240	0.	.5	54.0
1 JAN 1520	41	0.	.5	54.0 *	1 JAN 2340	141	0.	.5	54.0 *	2 JAN 0800	241	0.	.5	54.0
1 JAN 1525	42	0.	.5	54.0 *	1 JAN 2345	142	0.	.5	54.0 *	2 JAN 0805	242	0.	.5	54.0
1 JAN 1530	43	0.	.5	54.0 *	1 JAN 2350	143	0.	.5	54.0 *	2 JAN 0810	243	0.	.5	54.0
1 JAN 1535	44	0.	.5	54.0 *	1 JAN 2355	144	0.	.5	54.0 *	2 JAN 0815	244	0.	.5	54.0
1 JAN 1540	45	0.	.5	54.0 *	2 JAN 0000	145	0.	.5	54.0 *	2 JAN 0820	245	0.	.5	54.0
1 JAN 1545	46	0.	.5	54.0 *	2 JAN 0005	146	0.	.5	54.0 *	2 JAN 0825	246	0.	.5	54.0
1 JAN 1550	47	0.	.5	54.0 *	2 JAN 0010	147	0.	.5	54.0 *	2 JAN 0830	247	0.	.5	54.0
1 JAN 1555	48	0.	.5	54.0 *	2 JAN 0015	148	0.	.5	54.0 *	2 JAN 0835	248	0.	.5	54.0
1 JAN 1600	49	0.	.5	54.0 *	2 JAN 0020	149	0.	.5	54.0 *	2 JAN 0840	249	0.	.5	54.0
1 JAN 1605	50	0.	.5	54.0 *	2 JAN 0025	150	0.	.5	54.0 *	2 JAN 0845	250	0.	.5	54.0
1 JAN 1610	51	0.	.5	54.0 *	2 JAN 0030	151	0.	.5	54.0 *	2 JAN 0850	251	0.	.5	54.0
1 JAN 1615	52	0.	.5	54.0 *	2 JAN 0035	152	0.	.5	54.0 *	2 JAN 0855	252	0.	.5	54.0
1 JAN 1620	53	0.	.5	54.0 *	2 JAN 0040	153	0.	.5	54.0 *	2 JAN 0900	253	0.	.5	54.0
1 JAN 1625	54	0.	.5	54.0 *	2 JAN 0045	154	0.	.5	54.0 *	2 JAN 0905	254	0.	.5	54.0
1 JAN 1630	55	0.	.5	54.0 *	2 JAN 0050	155	0.	.5	54.0 *	2 JAN 0910	255	0.	.5	54.0
1 JAN 1635	56	0.	.5	54.0 *	2 JAN 0055	156	0.	.5	54.0 *	2 JAN 0915	256	0.	.5	54.0
1 JAN 1640	57	0.	.5	54.0 *	2 JAN 0100	157	0.	.5	54.0 *	2 JAN 0920	257	0.	.5	54.0
1 JAN 1645	58	0.	.5	54.0 *	2 JAN 0105	158	0.	.5	54.0 *	2 JAN 0925	258	0.	.5	54.0
1 JAN 1650	59	0.	.5	54.0 *	2 JAN 0110	159	0.	.5	54.0 *	2 JAN 0930	259	0.	.5	54.0
1 JAN 1655	60	0.	.5	54.0 *	2 JAN 0115	160	0.	.5	54.0 *	2 JAN 0935	260	0.	.5	54.0
1 JAN 1700	61	0.	.5	54.0 *	2 JAN 0120	161	0.	.5	54.0 *	2 JAN 0940	261	0.	.5	54.0
1 JAN 1705	62	0.	.5	54.0 *	2 JAN 0125	162	0.	.5	54.0 *	2 JAN 0945	262	0.	.5	54.0
1 JAN 1710	63	0.	.5	54.0 *	2 JAN 0130	163	0.	.5	54.0 *	2 JAN 0950	263	0.	.5	54.0
1 JAN 1715	64	0.	.5	54.0 *	2 JAN 0135	164	0.	.5	54.0 *	2 JAN 0955	264	0.	.5	54.0
1 JAN 1720	65	0.	.5	54.0 *	2 JAN 0140	165	0.	.5	54.0 *	2 JAN 1000	265	0.	.5	54.0
1 JAN 1725	66	0.	.5	54.0 *	2 JAN 0145	166	0.	.5	54.0 *	2 JAN 1005	266	0.	.5	54.0
1 JAN 1730	67	0.	.5	54.0 *	2 JAN 0150	167	0.	.5	54.0 *	2 JAN 1010	267	0.	.5	54.0
1 JAN 1735	68	0.	.5	54.0 *	2 JAN 0155	168	0.	.5	54.0 *	2 JAN 1015	268	0.	.5	54.0
1 JAN 1740	69	0.	.5	54.0 *	2 JAN 0200	169	0.	.5	54.0 *	2 JAN 1020	269	0.	.5	54.0
1 JAN 1745	70	0.	.5	54.0 *	2 JAN 0205	170	0.	.5	54.0 *	2 JAN 1025	270	0.	.5	54.0
1 JAN 1750	71	0.	.5	54.0 *	2 JAN 0210	171	0.	.5	54.0 *	2 JAN 1030	271	0.	.5	54.0
1 JAN 1755	72	0.	.5	54.0 *	2 JAN 0215	172	0.	.5	54.0 *	2 JAN 1035	272	0.	.5	54.0
1 JAN 1800	73	0.	.5	54.0 *	2 JAN 0220	173	0.	.5	54.0 *	2 JAN 1040	273	0.	.5	54.0
1 JAN 1805	74	0.	.5	54.0 *	2 JAN 0225	174	0.	.5	54.0 *	2 JAN 1045	274	0.	.5	54.0
1 JAN 1810	75	0.	.5	54.0 *	2 JAN 0230	175	0.	.5	54.0 *	2 JAN 1050	275	0.	.5	54.0
1 JAN 1815	76	0.	.5	54.0 *	2 JAN 0235	176	0.	.5	54.0 *	2 JAN 1055	276	0.	.5	54.0
1 JAN 1820	77	0.	.5	54.0 *	2 JAN 0240	177	0.	.5	54.0 *	2 JAN 1100	277	0.	.5	54.0

1 JAN 1825	78	0.	.5	54.0	*	2 JAN 0245	178	0.	.5	54.0	*	2 JAN 1105	278	0.	.5	54.0
1 JAN 1830	79	0.	.5	54.0	*	2 JAN 0250	179	0.	.5	54.0	*	2 JAN 1110	279	0.	.5	54.0
1 JAN 1835	80	0.	.5	54.0	*	2 JAN 0255	180	0.	.5	54.0	*	2 JAN 1115	280	0.	.5	54.0
1 JAN 1840	81	0.	.5	54.0	*	2 JAN 0300	181	0.	.5	54.0	*	2 JAN 1120	281	0.	.5	54.0
1 JAN 1845	82	0.	.5	54.0	*	2 JAN 0305	182	0.	.5	54.0	*	2 JAN 1125	282	0.	.5	54.0
1 JAN 1850	83	0.	.5	54.0	*	2 JAN 0310	183	0.	.5	54.0	*	2 JAN 1130	283	0.	.5	54.0
1 JAN 1855	84	0.	.5	54.0	*	2 JAN 0315	184	0.	.5	54.0	*	2 JAN 1135	284	0.	.5	54.0
1 JAN 1900	85	0.	.5	54.0	*	2 JAN 0320	185	0.	.5	54.0	*	2 JAN 1140	285	0.	.5	54.0
1 JAN 1905	86	0.	.5	54.0	*	2 JAN 0325	186	0.	.5	54.0	*	2 JAN 1145	286	0.	.5	54.0
1 JAN 1910	87	0.	.5	54.0	*	2 JAN 0330	187	0.	.5	54.0	*	2 JAN 1150	287	0.	.5	54.0
1 JAN 1915	88	0.	.5	54.0	*	2 JAN 0335	188	0.	.5	54.0	*	2 JAN 1155	288	0.	.5	54.0
1 JAN 1920	89	0.	.5	54.0	*	2 JAN 0340	189	0.	.5	54.0	*	2 JAN 1200	289	0.	.5	54.0
1 JAN 1925	90	0.	.5	54.0	*	2 JAN 0345	190	1.	.5	54.0	*	2 JAN 1205	290	0.	.5	54.0
1 JAN 1930	91	0.	.5	54.0	*	2 JAN 0350	191	1.	.5	54.0	*	2 JAN 1210	291	0.	.5	54.0
1 JAN 1935	92	0.	.5	54.0	*	2 JAN 0355	192	1.	.5	54.0	*	2 JAN 1215	292	0.	.5	54.0
1 JAN 1940	93	0.	.5	54.0	*	2 JAN 0400	193	2.	.6	54.0	*	2 JAN 1220	293	0.	.5	54.0
1 JAN 1945	94	0.	.5	54.0	*	2 JAN 0405	194	4.	.6	54.0	*	2 JAN 1225	294	0.	.5	54.0
1 JAN 1950	95	0.	.5	54.0	*	2 JAN 0410	195	5.	.6	54.0	*	2 JAN 1230	295	0.	.5	54.0
1 JAN 1955	96	0.	.5	54.0	*	2 JAN 0415	196	5.	.6	54.0	*	2 JAN 1235	296	0.	.5	54.0
1 JAN 2000	97	0.	.5	54.0	*	2 JAN 0420	197	4.	.6	54.0	*	2 JAN 1240	297	0.	.5	54.0
1 JAN 2005	98	0.	.5	54.0	*	2 JAN 0425	198	3.	.6	54.0	*	2 JAN 1245	298	0.	.5	54.0
1 JAN 2010	99	0.	.5	54.0	*	2 JAN 0430	199	2.	.5	54.0	*	2 JAN 1250	299	0.	.5	54.0
1 JAN 2015	100	0.	.5	54.0	*	2 JAN 0435	200	2.	.5	54.0	*	2 JAN 1255	300	0.	.5	54.0
					*						*					

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
5.	16.17	(CFS)	1.	0.	0.	0.
		(INCHES)	.364	.418	.418	.418
		(AC-FT)	0.	0.	0.	0.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.92-HR
1.	16.17	1.	1.	1.	1.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.92-HR
54.03	16.17	54.00	54.00	54.00	54.00

CUMULATIVE AREA = .02 SQ MI

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            *           *
225 KK      *        9B *
            *           *
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BASIN 9B ULTIMATELY DRAINING TO CONNECTION 2

SUBBASIN RUNOFF DATA

227 BA SUBBASIN CHARACTERISTICS

TAREA .03 SUBBASIN AREA

PRECIPITATION DATA

40 PB STORM 2.49 BASIN TOTAL PRECIPITATION

40 PI INCREMENTAL PRECIPITATION PATTERN

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

228 LS SCS LOSS RATE

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

229 UD SCS DIMENSIONLESS UNITGRAPH

TLAG .12 LAG

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

UNIT HYDROGRAPH
9 END-OF-PERIOD ORDINATES

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

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HYDROGRAPH AT STATION 9B

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1 JAN 1200	1	.00	.00	.00	0.	*	2 JAN 0030	151	.01	.01	.00	0.

1 JAN 1205	2	.00	.00	.00	0.	*	2 JAN 0035	152	.01	.01	.00	0.
1 JAN 1210	3	.00	.00	.00	0.	*	2 JAN 0040	153	.01	.01	.00	0.
1 JAN 1215	4	.00	.00	.00	0.	*	2 JAN 0045	154	.01	.01	.00	0.
1 JAN 1220	5	.00	.00	.00	0.	*	2 JAN 0050	155	.01	.01	.00	0.
1 JAN 1225	6	.00	.00	.00	0.	*	2 JAN 0055	156	.01	.01	.00	0.
1 JAN 1230	7	.00	.00	.00	0.	*	2 JAN 0100	157	.01	.01	.00	0.
1 JAN 1235	8	.00	.00	.00	0.	*	2 JAN 0105	158	.01	.01	.00	0.
1 JAN 1240	9	.00	.00	.00	0.	*	2 JAN 0110	159	.01	.01	.00	0.
1 JAN 1245	10	.00	.00	.00	0.	*	2 JAN 0115	160	.01	.01	.00	0.
1 JAN 1250	11	.00	.00	.00	0.	*	2 JAN 0120	161	.01	.01	.00	0.
1 JAN 1255	12	.00	.00	.00	0.	*	2 JAN 0125	162	.01	.01	.00	0.
1 JAN 1300	13	.00	.00	.00	0.	*	2 JAN 0130	163	.01	.01	.00	0.
1 JAN 1305	14	.00	.00	.00	0.	*	2 JAN 0135	164	.01	.01	.00	0.
1 JAN 1310	15	.00	.00	.00	0.	*	2 JAN 0140	165	.01	.01	.00	0.
1 JAN 1315	16	.00	.00	.00	0.	*	2 JAN 0145	166	.01	.01	.00	0.
1 JAN 1320	17	.00	.00	.00	0.	*	2 JAN 0150	167	.01	.01	.00	0.
1 JAN 1325	18	.00	.00	.00	0.	*	2 JAN 0155	168	.01	.01	.00	0.
1 JAN 1330	19	.00	.00	.00	0.	*	2 JAN 0200	169	.01	.01	.00	0.
1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.02	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	0.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	0.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.00	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	1.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.27	.08	6.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	9.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	7.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	5.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	3.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	2.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	2.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	2.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.00	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.

1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.01	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.

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

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

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

CUMULATIVE AREA = .03 SQ MI

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

HYDROGRAPH ROUTING DATA

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

233 SA	AREA	.0	1.3	5.7	5.7
234 SQ	DISCHARGE	0.	0.	0.	20.
235 SE	ELEVATION	53.00	54.00	56.00	56.10

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COMPUTED STORAGE-ELEVATION DATA

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

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HYDROGRAPH AT STATION DET

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	6.9	56.0	*	1 JAN 2020	101	0.	6.9	56.0	*	2 JAN 0440	201	3.	7.0	56.0
1 JAN 1205	2	0.	6.9	56.0	*	1 JAN 2025	102	0.	6.9	56.0	*	2 JAN 0445	202	3.	7.0	56.0
1 JAN 1210	3	0.	6.9	56.0	*	1 JAN 2030	103	0.	6.9	56.0	*	2 JAN 0450	203	2.	7.0	56.0
1 JAN 1215	4	0.	6.9	56.0	*	1 JAN 2035	104	0.	6.9	56.0	*	2 JAN 0455	204	2.	7.0	56.0
1 JAN 1220	5	0.	6.9	56.0	*	1 JAN 2040	105	0.	6.9	56.0	*	2 JAN 0500	205	2.	7.0	56.0
1 JAN 1225	6	0.	6.9	56.0	*	1 JAN 2045	106	0.	6.9	56.0	*	2 JAN 0505	206	2.	7.0	56.0
1 JAN 1230	7	0.	6.9	56.0	*	1 JAN 2050	107	0.	6.9	56.0	*	2 JAN 0510	207	2.	7.0	56.0
1 JAN 1235	8	0.	6.9	56.0	*	1 JAN 2055	108	0.	6.9	56.0	*	2 JAN 0515	208	1.	7.0	56.0
1 JAN 1240	9	0.	6.9	56.0	*	1 JAN 2100	109	0.	6.9	56.0	*	2 JAN 0520	209	1.	7.0	56.0
1 JAN 1245	10	0.	6.9	56.0	*	1 JAN 2105	110	0.	6.9	56.0	*	2 JAN 0525	210	1.	6.9	56.0
1 JAN 1250	11	0.	6.9	56.0	*	1 JAN 2110	111	0.	6.9	56.0	*	2 JAN 0530	211	1.	6.9	56.0
1 JAN 1255	12	0.	6.9	56.0	*	1 JAN 2115	112	0.	6.9	56.0	*	2 JAN 0535	212	1.	6.9	56.0
1 JAN 1300	13	0.	6.9	56.0	*	1 JAN 2120	113	0.	6.9	56.0	*	2 JAN 0540	213	1.	6.9	56.0
1 JAN 1305	14	0.	6.9	56.0	*	1 JAN 2125	114	0.	6.9	56.0	*	2 JAN 0545	214	1.	6.9	56.0
1 JAN 1310	15	0.	6.9	56.0	*	1 JAN 2130	115	0.	6.9	56.0	*	2 JAN 0550	215	1.	6.9	56.0
1 JAN 1315	16	0.	6.9	56.0	*	1 JAN 2135	116	0.	6.9	56.0	*	2 JAN 0555	216	1.	6.9	56.0
1 JAN 1320	17	0.	6.9	56.0	*	1 JAN 2140	117	0.	6.9	56.0	*	2 JAN 0600	217	1.	6.9	56.0
1 JAN 1325	18	0.	6.9	56.0	*	1 JAN 2145	118	0.	6.9	56.0	*	2 JAN 0605	218	1.	6.9	56.0
1 JAN 1330	19	0.	6.9	56.0	*	1 JAN 2150	119	0.	6.9	56.0	*	2 JAN 0610	219	1.	6.9	56.0
1 JAN 1335	20	0.	6.9	56.0	*	1 JAN 2155	120	0.	6.9	56.0	*	2 JAN 0615	220	1.	6.9	56.0
1 JAN 1340	21	0.	6.9	56.0	*	1 JAN 2200	121	0.	6.9	56.0	*	2 JAN 0620	221	1.	6.9	56.0
1 JAN 1345	22	0.	6.9	56.0	*	1 JAN 2205	122	0.	6.9	56.0	*	2 JAN 0625	222	1.	6.9	56.0
1 JAN 1350	23	0.	6.9	56.0	*	1 JAN 2210	123	0.	6.9	56.0	*	2 JAN 0630	223	1.	6.9	56.0
1 JAN 1355	24	0.	6.9	56.0	*	1 JAN 2215	124	0.	6.9	56.0	*	2 JAN 0635	224	1.	6.9	56.0
1 JAN 1400	25	0.	6.9	56.0	*	1 JAN 2220	125	0.	6.9	56.0	*	2 JAN 0640	225	1.	6.9	56.0
1 JAN 1405	26	0.	6.9	56.0	*	1 JAN 2225	126	0.	6.9	56.0	*	2 JAN 0645	226	1.	6.9	56.0
1 JAN 1410	27	0.	6.9	56.0	*	1 JAN 2230	127	0.	6.9	56.0	*	2 JAN 0650	227	1.	6.9	56.0
1 JAN 1415	28	0.	6.9	56.0	*	1 JAN 2235	128	0.	6.9	56.0	*	2 JAN 0655	228	1.	6.9	56.0
1 JAN 1420	29	0.	6.9	56.0	*	1 JAN 2240	129	0.	6.9	56.0	*	2 JAN 0700	229	1.	6.9	56.0
1 JAN 1425	30	0.	6.9	56.0	*	1 JAN 2245	130	0.	6.9	56.0	*	2 JAN 0705	230	1.	6.9	56.0
1 JAN 1430	31	0.	6.9	56.0	*	1 JAN 2250	131	0.	6.9	56.0	*	2 JAN 0710	231	1.	6.9	56.0
1 JAN 1435	32	0.	6.9	56.0	*	1 JAN 2255	132	0.	6.9	56.0	*	2 JAN 0715	232	1.	6.9	56.0
1 JAN 1440	33	0.	6.9	56.0	*	1 JAN 2300	133	0.	6.9	56.0	*	2 JAN 0720	233	1.	6.9	56.0
1 JAN 1445	34	0.	6.9	56.0	*	1 JAN 2305	134	0.	6.9	56.0	*	2 JAN 0725	234	1.	6.9	56.0
1 JAN 1450	35	0.	6.9	56.0	*	1 JAN 2310	135	0.	6.9	56.0	*	2 JAN 0730	235	0.	6.9	56.0
1 JAN 1455	36	0.	6.9	56.0	*	1 JAN 2315	136	0.	6.9	56.0	*	2 JAN 0735	236	0.	6.9	56.0

1 JAN	1500	37	0.	6.9	56.0 *	1 JAN	2320	137	0.	6.9	56.0 *	2 JAN	0740	237	0.	6.9	56.0
1 JAN	1505	38	0.	6.9	56.0 *	1 JAN	2325	138	0.	6.9	56.0 *	2 JAN	0745	238	0.	6.9	56.0
1 JAN	1510	39	0.	6.9	56.0 *	1 JAN	2330	139	0.	6.9	56.0 *	2 JAN	0750	239	0.	6.9	56.0
1 JAN	1515	40	0.	6.9	56.0 *	1 JAN	2335	140	0.	6.9	56.0 *	2 JAN	0755	240	0.	6.9	56.0
1 JAN	1520	41	0.	6.9	56.0 *	1 JAN	2340	141	0.	6.9	56.0 *	2 JAN	0800	241	0.	6.9	56.0
1 JAN	1525	42	0.	6.9	56.0 *	1 JAN	2345	142	0.	6.9	56.0 *	2 JAN	0805	242	0.	6.9	56.0
1 JAN	1530	43	0.	6.9	56.0 *	1 JAN	2350	143	0.	6.9	56.0 *	2 JAN	0810	243	0.	6.9	56.0
1 JAN	1535	44	0.	6.9	56.0 *	1 JAN	2355	144	0.	6.9	56.0 *	2 JAN	0815	244	0.	6.9	56.0
1 JAN	1540	45	0.	6.9	56.0 *	2 JAN	0000	145	0.	6.9	56.0 *	2 JAN	0820	245	0.	6.9	56.0
1 JAN	1545	46	0.	6.9	56.0 *	2 JAN	0005	146	0.	6.9	56.0 *	2 JAN	0825	246	0.	6.9	56.0
1 JAN	1550	47	0.	6.9	56.0 *	2 JAN	0010	147	0.	6.9	56.0 *	2 JAN	0830	247	0.	6.9	56.0
1 JAN	1555	48	0.	6.9	56.0 *	2 JAN	0015	148	0.	6.9	56.0 *	2 JAN	0835	248	0.	6.9	56.0
1 JAN	1600	49	0.	6.9	56.0 *	2 JAN	0020	149	0.	6.9	56.0 *	2 JAN	0840	249	0.	6.9	56.0
1 JAN	1605	50	0.	6.9	56.0 *	2 JAN	0025	150	0.	6.9	56.0 *	2 JAN	0845	250	0.	6.9	56.0
1 JAN	1610	51	0.	6.9	56.0 *	2 JAN	0030	151	0.	6.9	56.0 *	2 JAN	0850	251	0.	6.9	56.0
1 JAN	1615	52	0.	6.9	56.0 *	2 JAN	0035	152	0.	6.9	56.0 *	2 JAN	0855	252	0.	6.9	56.0
1 JAN	1620	53	0.	6.9	56.0 *	2 JAN	0040	153	0.	6.9	56.0 *	2 JAN	0900	253	0.	6.9	56.0
1 JAN	1625	54	0.	6.9	56.0 *	2 JAN	0045	154	0.	6.9	56.0 *	2 JAN	0905	254	0.	6.9	56.0
1 JAN	1630	55	0.	6.9	56.0 *	2 JAN	0050	155	0.	6.9	56.0 *	2 JAN	0910	255	0.	6.9	56.0
1 JAN	1635	56	0.	6.9	56.0 *	2 JAN	0055	156	0.	6.9	56.0 *	2 JAN	0915	256	0.	6.9	56.0
1 JAN	1640	57	0.	6.9	56.0 *	2 JAN	0100	157	0.	6.9	56.0 *	2 JAN	0920	257	0.	6.9	56.0
1 JAN	1645	58	0.	6.9	56.0 *	2 JAN	0105	158	0.	6.9	56.0 *	2 JAN	0925	258	0.	6.9	56.0
1 JAN	1650	59	0.	6.9	56.0 *	2 JAN	0110	159	0.	6.9	56.0 *	2 JAN	0930	259	0.	6.9	56.0
1 JAN	1655	60	0.	6.9	56.0 *	2 JAN	0115	160	0.	6.9	56.0 *	2 JAN	0935	260	0.	6.9	56.0
1 JAN	1700	61	0.	6.9	56.0 *	2 JAN	0120	161	0.	6.9	56.0 *	2 JAN	0940	261	0.	6.9	56.0
1 JAN	1705	62	0.	6.9	56.0 *	2 JAN	0125	162	0.	6.9	56.0 *	2 JAN	0945	262	0.	6.9	56.0
1 JAN	1710	63	0.	6.9	56.0 *	2 JAN	0130	163	0.	6.9	56.0 *	2 JAN	0950	263	0.	6.9	56.0
1 JAN	1715	64	0.	6.9	56.0 *	2 JAN	0135	164	0.	6.9	56.0 *	2 JAN	0955	264	0.	6.9	56.0
1 JAN	1720	65	0.	6.9	56.0 *	2 JAN	0140	165	0.	6.9	56.0 *	2 JAN	1000	265	0.	6.9	56.0
1 JAN	1725	66	0.	6.9	56.0 *	2 JAN	0145	166	0.	6.9	56.0 *	2 JAN	1005	266	0.	6.9	56.0
1 JAN	1730	67	0.	6.9	56.0 *	2 JAN	0150	167	0.	6.9	56.0 *	2 JAN	1010	267	0.	6.9	56.0
1 JAN	1735	68	0.	6.9	56.0 *	2 JAN	0155	168	0.	6.9	56.0 *	2 JAN	1015	268	0.	6.9	56.0
1 JAN	1740	69	0.	6.9	56.0 *	2 JAN	0200	169	0.	6.9	56.0 *	2 JAN	1020	269	0.	6.9	56.0
1 JAN	1745	70	0.	6.9	56.0 *	2 JAN	0205	170	0.	6.9	56.0 *	2 JAN	1025	270	0.	6.9	56.0
1 JAN	1750	71	0.	6.9	56.0 *	2 JAN	0210	171	0.	6.9	56.0 *	2 JAN	1030	271	0.	6.9	56.0
1 JAN	1755	72	0.	6.9	56.0 *	2 JAN	0215	172	0.	6.9	56.0 *	2 JAN	1035	272	0.	6.9	56.0
1 JAN	1800	73	0.	6.9	56.0 *	2 JAN	0220	173	0.	6.9	56.0 *	2 JAN	1040	273	0.	6.9	56.0
1 JAN	1805	74	0.	6.9	56.0 *	2 JAN	0225	174	0.	6.9	56.0 *	2 JAN	1045	274	0.	6.9	56.0
1 JAN	1810	75	0.	6.9	56.0 *	2 JAN	0230	175	0.	6.9	56.0 *	2 JAN	1050	275	0.	6.9	56.0
1 JAN	1815	76	0.	6.9	56.0 *	2 JAN	0235	176	0.	6.9	56.0 *	2 JAN	1055	276	0.	6.9	56.0
1 JAN	1820	77	0.	6.9	56.0 *	2 JAN	0240	177	0.	6.9	56.0 *	2 JAN	1100	277	0.	6.9	56.0
1 JAN	1825	78	0.	6.9	56.0 *	2 JAN	0245	178	0.	6.9	56.0 *	2 JAN	1105	278	0.	6.9	56.0
1 JAN	1830	79	0.	6.9	56.0 *	2 JAN	0250	179	0.	6.9	56.0 *	2 JAN	1110	279	0.	6.9	56.0
1 JAN	1835	80	0.	6.9	56.0 *	2 JAN	0255	180	0.	6.9	56.0 *	2 JAN	1115	280	0.	6.9	56.0
1 JAN	1840	81	0.	6.9	56.0 *	2 JAN	0300	181	0.	6.9	56.0 *	2 JAN	1120	281	0.	6.9	56.0
1 JAN	1845	82	0.	6.9	56.0 *	2 JAN	0305	182	0.	6.9	56.0 *	2 JAN	1125	282	0.	6.9	56.0
1 JAN	1850	83	0.	6.9	56.0 *	2 JAN	0310	183	0.	6.9	56.0 *	2 JAN	1130	283	0.	6.9	56.0
1 JAN	1855	84	0.	6.9	56.0 *	2 JAN	0315	184	0.	6.9	56.0 *	2 JAN	1135	284	0.	6.9	56.0
1 JAN	1900	85	0.	6.9	56.0 *	2 JAN	0320	185	0.	6.9	56.0 *	2 JAN	1140	285	0.	6.9	56.0
1 JAN	1905	86	0.	6.9	56.0 *	2 JAN	0325	186	0.	6.9	56.0 *	2 JAN	1145	286	0.	6.9	56.0
1 JAN	1910	87	0.	6.9	56.0 *	2 JAN	0330	187	0.	6.9	56.0 *	2 JAN	1150	287	0.	6.9	56.0
1 JAN	1915	88	0.	6.9	56.0 *	2 JAN	0335	188	0.	6.9	56.0 *	2 JAN	1155	288	0.	6.9	56.0
1 JAN	1920	89	0.	6.9	56.0 *	2 JAN	0340	189	0.	6.9	56.0 *	2 JAN	1200	289	0.	6.9	56.0
1 JAN	1925	90	0.	6.9	56.0 *	2 JAN	0345	190	0.	6.9	56.0 *	2 JAN	1205	290	0.	6.9	56.0
1 JAN	1930	91	0.	6.9	56.0 *	2 JAN	0350	191	1.	6.9	56.0 *	2 JAN	1210	291	0.	6.9	56.0
1 JAN	1935	92	0.	6.9	56.0 *	2 JAN	0355	192	1.	6.9	56.0 *	2 JAN	1215	292	0.	6.9	56.0
1 JAN	1940	93	0.	6.9	56.0 *	2 JAN	0400	193	2.	7.0	56.0 *	2 JAN	1220	293	0.	6.9	56.0
1 JAN	1945	94	0.	6.9	56.0 *	2 JAN	0405	194	3.	7.0	56.0 *	2 JAN	1225	294	0.	6.9	56.0
1 JAN	1950	95	0.	6.9	56.0 *	2 JAN	0410	195	4.	7.0	56.0 *	2 JAN	1230	295	0.	6.9	56.0
1 JAN	1955	96	0.	6.9	56.0 *	2 JAN	0415	196	4.	7.0	56.0 *	2 JAN	1235	296	0.	6.9	56.0

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 1 JAN 2000  97      0.     6.9    56.0 *  2 JAN 0420 197      4.     7.0    56.0 *  2 JAN 1240 297      0.     6.9    56.0
 1 JAN 2005  98      0.     6.9    56.0 *  2 JAN 0425 198      4.     7.0    56.0 *  2 JAN 1245 298      0.     6.9    56.0
 1 JAN 2010  99      0.     6.9    56.0 *  2 JAN 0430 199      4.     7.0    56.0 *  2 JAN 1250 299      0.     6.9    56.0
 1 JAN 2015 100      0.     6.9    56.0 *  2 JAN 0435 200      3.     7.0    56.0 *  2 JAN 1255 300      0.     6.9    56.0
                                         *                                           *
*****************************************************************************************************************************

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

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

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

                         CUMULATIVE AREA =     .03 SQ MI


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


           *************
           *           *
236 KK     *         9 *
           *           *
           *************
                         BASIN 9 DRAINING TO CONNECTION 2

              SUBBASIN RUNOFF DATA

238 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .04  SUBBASIN AREA

                PRECIPITATION DATA

 40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI            INCREMENTAL PRECIPITATION PATTERN
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .01       .01       .01       .01       .01       .01       .01       .01       .01
                      .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
```

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

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

240 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .20  LAG

                                                    ***

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

                                              UNIT HYDROGRAPH
                                          14 END-OF-PERIOD ORDINATES
          20.      64.      80.      64.      35.      20.      12.       7.       4.       2.
           1.       1.       0.       0.
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HYDROGRAPH AT STATION 9

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

1 JAN 1335	20	.00	.00	.00	0.	*	2 JAN 0205	170	.01	.01	.00	0.
1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.02	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.03	.00	1.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	1.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.00	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.04	.01	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.06	.01	2.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.08	.02	2.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.26	.09	5.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	9.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.03	.01	11.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	9.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.02	.01	7.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	5.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	4.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	3.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	3.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	2.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	2.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.00	2.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.00	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.01	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.01	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.

1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	1.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	1.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	1.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	1.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	1.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	1.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	1.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	1.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	1.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	1.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	1.
1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	1.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	1.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	1.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	1.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	1.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	1.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	1.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	1.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	1.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	1.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	1.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	1.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	1.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	1.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	1.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	1.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	1.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.

1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.
						*						

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

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

CUMULATIVE AREA = .04 SQ MI

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241 KK    *    CON_2   *
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Q DRAINING TO THE PUMP AT CONNECTION 2

243 HC HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION CON_2

SUM OF 3 HYDROGRAPHS

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DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
1 JAN 1200	1	0.	*	1 JAN 1815	76	0.	*	2 JAN 0030	151	0.	*	2 JAN 0645	226	2.
1 JAN 1205	2	0.	*	1 JAN 1820	77	0.	*	2 JAN 0035	152	0.	*	2 JAN 0650	227	2.
1 JAN 1210	3	0.	*	1 JAN 1825	78	0.	*	2 JAN 0040	153	0.	*	2 JAN 0655	228	2.
1 JAN 1215	4	0.	*	1 JAN 1830	79	0.	*	2 JAN 0045	154	0.	*	2 JAN 0700	229	2.
1 JAN 1220	5	0.	*	1 JAN 1835	80	0.	*	2 JAN 0050	155	0.	*	2 JAN 0705	230	2.
1 JAN 1225	6	0.	*	1 JAN 1840	81	0.	*	2 JAN 0055	156	0.	*	2 JAN 0710	231	2.
1 JAN 1230	7	0.	*	1 JAN 1845	82	0.	*	2 JAN 0100	157	0.	*	2 JAN 0715	232	2.
1 JAN 1235	8	0.	*	1 JAN 1850	83	0.	*	2 JAN 0105	158	0.	*	2 JAN 0720	233	2.
1 JAN 1240	9	0.	*	1 JAN 1855	84	0.	*	2 JAN 0110	159	0.	*	2 JAN 0725	234	2.

1 JAN 1245	10	0.	*	1 JAN 1900	85	0.	*	2 JAN 0115	160	0.	*	2 JAN 0730	235	1.
1 JAN 1250	11	0.	*	1 JAN 1905	86	0.	*	2 JAN 0120	161	0.	*	2 JAN 0735	236	1.
1 JAN 1255	12	0.	*	1 JAN 1910	87	0.	*	2 JAN 0125	162	0.	*	2 JAN 0740	237	1.
1 JAN 1300	13	0.	*	1 JAN 1915	88	0.	*	2 JAN 0130	163	0.	*	2 JAN 0745	238	1.
1 JAN 1305	14	0.	*	1 JAN 1920	89	0.	*	2 JAN 0135	164	0.	*	2 JAN 0750	239	1.
1 JAN 1310	15	0.	*	1 JAN 1925	90	0.	*	2 JAN 0140	165	0.	*	2 JAN 0755	240	1.
1 JAN 1315	16	0.	*	1 JAN 1930	91	0.	*	2 JAN 0145	166	0.	*	2 JAN 0800	241	1.
1 JAN 1320	17	0.	*	1 JAN 1935	92	0.	*	2 JAN 0150	167	0.	*	2 JAN 0805	242	1.
1 JAN 1325	18	0.	*	1 JAN 1940	93	0.	*	2 JAN 0155	168	0.	*	2 JAN 0810	243	1.
1 JAN 1330	19	0.	*	1 JAN 1945	94	0.	*	2 JAN 0200	169	0.	*	2 JAN 0815	244	1.
1 JAN 1335	20	0.	*	1 JAN 1950	95	0.	*	2 JAN 0205	170	0.	*	2 JAN 0820	245	1.
1 JAN 1340	21	0.	*	1 JAN 1955	96	0.	*	2 JAN 0210	171	0.	*	2 JAN 0825	246	1.
1 JAN 1345	22	0.	*	1 JAN 2000	97	0.	*	2 JAN 0215	172	0.	*	2 JAN 0830	247	1.
1 JAN 1350	23	0.	*	1 JAN 2005	98	0.	*	2 JAN 0220	173	0.	*	2 JAN 0835	248	1.
1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	1.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	1.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	1.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	1.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	0.	*	2 JAN 0900	253	1.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	0.	*	2 JAN 0905	254	1.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	0.	*	2 JAN 0910	255	1.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	0.	*	2 JAN 0915	256	1.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	0.	*	2 JAN 0920	257	1.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	0.	*	2 JAN 0925	258	1.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	1.	*	2 JAN 0930	259	1.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	1.	*	2 JAN 0935	260	1.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	1.	*	2 JAN 0940	261	1.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	1.	*	2 JAN 0945	262	1.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	1.	*	2 JAN 0950	263	1.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	2.	*	2 JAN 0955	264	1.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	2.	*	2 JAN 1000	265	1.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	3.	*	2 JAN 1005	266	1.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	4.	*	2 JAN 1010	267	1.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	9.	*	2 JAN 1015	268	1.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	16.	*	2 JAN 1020	269	1.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	20.	*	2 JAN 1025	270	1.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	19.	*	2 JAN 1030	271	1.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	15.	*	2 JAN 1035	272	1.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	12.	*	2 JAN 1040	273	1.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	10.	*	2 JAN 1045	274	1.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	8.	*	2 JAN 1050	275	1.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	7.	*	2 JAN 1055	276	1.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	6.	*	2 JAN 1100	277	1.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	5.	*	2 JAN 1105	278	1.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	5.	*	2 JAN 1110	279	1.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	4.	*	2 JAN 1115	280	1.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	4.	*	2 JAN 1120	281	1.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	4.	*	2 JAN 1125	282	1.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	4.	*	2 JAN 1130	283	1.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	3.	*	2 JAN 1135	284	1.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	3.	*	2 JAN 1140	285	1.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	3.	*	2 JAN 1145	286	1.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	3.	*	2 JAN 1150	287	1.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	3.	*	2 JAN 1155	288	1.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	3.	*	2 JAN 1200	289	1.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	3.	*	2 JAN 1205	290	1.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	2.	*	2 JAN 1210	291	1.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	2.	*	2 JAN 1215	292	0.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	2.	*	2 JAN 1220	293	0.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	2.	*	2 JAN 1225	294	0.

1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	2.	*	2 JAN 1230	295	0.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	2.	*	2 JAN 1235	296	0.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	2.	*	2 JAN 1240	297	0.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	2.	*	2 JAN 1245	298	0.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	2.	*	2 JAN 1250	299	0.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	2.	*	2 JAN 1255	300	0.
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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
20.	16.17	(CFS)	3.	1.	1.	1.
		(INCHES)	.354	.407	.407	.407
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .09 SQ MI

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          *           *
244 KK    *      PUMP *
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DETAIN FOR PUMP STATION AT CONNECTION 2
PUMP CAPACITY IS 1.7 CFS
ASSUME PUMP TURNS ON IMMEDIATELY (EL 50.1)

HYDROGRAPH ROUTING DATA

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

249 SA	AREA	.0	.0	.1	1.5	2.9	2.9	4.7
250 SQ	DISCHARGE	0.	2.	2.	2.	2.	2.	2.
251 SE	ELEVATION	50.00	50.10	52.00	53.00	54.00	54.10	56.00

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COMPUTED STORAGE-ELEVATION DATA

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

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

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HYDROGRAPH AT STATION PUMP

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.0	50.0	1	JAN	2020	101	0.	.0	50.0	2	JAN	0440	201	2.	.7	53.0
1	JAN	1205	2	0.	.0	50.0	1	JAN	2025	102	0.	.0	50.0	2	JAN	0445	202	2.	.7	53.0
1	JAN	1210	3	0.	.0	50.0	1	JAN	2030	103	0.	.0	50.0	2	JAN	0450	203	2.	.8	53.0
1	JAN	1215	4	0.	.0	50.0	1	JAN	2035	104	0.	.0	50.0	2	JAN	0455	204	2.	.8	53.0
1	JAN	1220	5	0.	.0	50.0	1	JAN	2040	105	0.	.0	50.0	2	JAN	0500	205	2.	.8	53.1
1	JAN	1225	6	0.	.0	50.0	1	JAN	2045	106	0.	.0	50.0	2	JAN	0505	206	2.	.8	53.1
1	JAN	1230	7	0.	.0	50.0	1	JAN	2050	107	0.	.0	50.0	2	JAN	0510	207	2.	.8	53.1
1	JAN	1235	8	0.	.0	50.0	1	JAN	2055	108	0.	.0	50.0	2	JAN	0515	208	2.	.8	53.1
1	JAN	1240	9	0.	.0	50.0	1	JAN	2100	109	0.	.0	50.0	2	JAN	0520	209	2.	.9	53.1
1	JAN	1245	10	0.	.0	50.0	1	JAN	2105	110	0.	.0	50.0	2	JAN	0525	210	2.	.9	53.1
1	JAN	1250	11	0.	.0	50.0	1	JAN	2110	111	0.	.0	50.0	2	JAN	0530	211	2.	.9	53.1
1	JAN	1255	12	0.	.0	50.0	1	JAN	2115	112	0.	.0	50.0	2	JAN	0535	212	2.	.9	53.1
1	JAN	1300	13	0.	.0	50.0	1	JAN	2120	113	0.	.0	50.0	2	JAN	0540	213	2.	.9	53.1
1	JAN	1305	14	0.	.0	50.0	1	JAN	2125	114	0.	.0	50.0	2	JAN	0545	214	2.	.9	53.1
1	JAN	1310	15	0.	.0	50.0	1	JAN	2130	115	0.	.0	50.0	2	JAN	0550	215	2.	.9	53.1
1	JAN	1315	16	0.	.0	50.0	1	JAN	2135	116	0.	.0	50.0	2	JAN	0555	216	2.	.9	53.1
1	JAN	1320	17	0.	.0	50.0	1	JAN	2140	117	0.	.0	50.0	2	JAN	0600	217	2.	.9	53.1
1	JAN	1325	18	0.	.0	50.0	1	JAN	2145	118	0.	.0	50.0	2	JAN	0605	218	2.	.9	53.1
1	JAN	1330	19	0.	.0	50.0	1	JAN	2150	119	0.	.0	50.0	2	JAN	0610	219	2.	.9	53.1
1	JAN	1335	20	0.	.0	50.0	1	JAN	2155	120	0.	.0	50.0	2	JAN	0615	220	2.	.9	53.1
1	JAN	1340	21	0.	.0	50.0	1	JAN	2200	121	0.	.0	50.0	2	JAN	0620	221	2.	.9	53.1
1	JAN	1345	22	0.	.0	50.0	1	JAN	2205	122	0.	.0	50.0	2	JAN	0625	222	2.	.9	53.1
1	JAN	1350	23	0.	.0	50.0	1	JAN	2210	123	0.	.0	50.0	2	JAN	0630	223	2.	.9	53.1
1	JAN	1355	24	0.	.0	50.0	1	JAN	2215	124	0.	.0	50.0	2	JAN	0635	224	2.	.9	53.1
1	JAN	1400	25	0.	.0	50.0	1	JAN	2220	125	0.	.0	50.0	2	JAN	0640	225	2.	.9	53.1
1	JAN	1405	26	0.	.0	50.0	1	JAN	2225	126	0.	.0	50.0	2	JAN	0645	226	2.	.9	53.1
1	JAN	1410	27	0.	.0	50.0	1	JAN	2230	127	0.	.0	50.0	2	JAN	0650	227	2.	.9	53.1
1	JAN	1415	28	0.	.0	50.0	1	JAN	2235	128	0.	.0	50.0	2	JAN	0655	228	2.	.9	53.1
1	JAN	1420	29	0.	.0	50.0	1	JAN	2240	129	0.	.0	50.0	2	JAN	0700	229	2.	.9	53.1
1	JAN	1425	30	0.	.0	50.0	1	JAN	2245	130	0.	.0	50.0	2	JAN	0705	230	2.	.9	53.1
1	JAN	1430	31	0.	.0	50.0	1	JAN	2250	131	0.	.0	50.0	2	JAN	0710	231	2.	.9	53.1
1	JAN	1435	32	0.	.0	50.0	1	JAN	2255	132	0.	.0	50.0	2	JAN	0715	232	2.	.9	53.1
1	JAN	1440	33	0.	.0	50.0	1	JAN	2300	133	0.	.0	50.0	2	JAN	0720	233	2.	.9	53.1
1	JAN	1445	34	0.	.0	50.0	1	JAN	2305	134	0.	.0	50.0	2	JAN	0725	234	2.	.9	53.1
1	JAN	1450	35	0.	.0	50.0	1	JAN	2310	135	0.	.0	50.0	2	JAN	0730	235	2.	.9	53.1
1	JAN	1455	36	0.	.0	50.0	1	JAN	2315	136	0.	.0	50.0	2	JAN	0735	236	2.	.9	53.1
1	JAN	1500	37	0.	.0	50.0	1	JAN	2320	137	0.	.0	50.0	2	JAN	0740	237	2.	.9	53.1
1	JAN	1505	38	0.	.0	50.0	1	JAN	2325	138	0.	.0	50.0	2	JAN	0745	238	2.	.9	53.1
1	JAN	1510	39	0.	.0	50.0	1	JAN	2330	139	0.	.0	50.0	2	JAN	0750	239	2.	.9	53.1
1	JAN	1515	40	0.	.0	50.0	1	JAN	2335	140	0.	.0	50.0	2	JAN	0755	240	2.	.9	53.1
1	JAN	1520	41	0.	.0	50.0	1	JAN	2340	141	0.	.0	50.0	2	JAN	0800	241	2.	.9	53.1
1	JAN	1525	42	0.	.0	50.0	1	JAN	2345	142	0.	.0	50.0	2	JAN	0805	242	2.	.9	53.1
1	JAN	1530	43	0.	.0	50.0	1	JAN	2350	143	0.	.0	50.0	2	JAN	0810	243	2.	.9	53.1
1	JAN	1535	44	0.	.0	50.0	1	JAN	2355	144	0.	.0	50.0	2	JAN	0815	244	2.	.9	53.1
1	JAN	1540	45	0.	.0	50.0	2	JAN	0000	145	0.	.0	50.0	2	JAN	0820	245	2.	.9	53.1
1	JAN	1545	46	0.	.0	50.0	2	JAN	0005	146	0.	.0	50.0	2	JAN	0825	246	2.	.9	53.1
1	JAN	1550	47	0.	.0	50.0	2	JAN	0010	147	0.	.0	50.0	2	JAN	0830	247	2.	.9	53.1
1	JAN	1555	48	0.	.0	50.0	2	JAN	0015	148	0.	.0	50.0	2	JAN	0835	248	2.	.9	53.1
1	JAN	1600	49	0.	.0	50.0	2	JAN	0020	149	0.	.0	50.0	2	JAN	0840	249	2.	.9	53.1
1	JAN	1605	50	0.	.0	50.0	2	JAN	0025	150	0.	.0	50.0	2	JAN	0845	250	2.	.9	53.1
1	JAN	1610	51	0.	.0	50.0	2	JAN	0030	151	0.	.0	50.0	2	JAN	0850	251	2.	.9	53.1
1	JAN	1615	52	0.	.0	50.0	2	JAN	0035	152	0.	.0	50.0	2	JAN	0855	252	2.	.9	53.1
1	JAN	1620	53	0.	.0	50.0	2	JAN	0040	153	0.	.0	50.0	2	JAN	0900	253	2.	.9	53.1
1	JAN	1625	54	0.	.0	50.0	2	JAN	0045	154	0.	.0	50.0	2	JAN	0905	254	2.	.9	53.1
1	JAN	1630	55	0.	.0	50.0	2	JAN	0050	155	0.	.0	50.0	2	JAN	0910	255	2.	.9	53.1

1 JAN	1635	56	0.	.0	50.0	*	2 JAN	0055	156	0.	.0	50.0	*	2 JAN	0915	256	2.	.9	53.1
1 JAN	1640	57	0.	.0	50.0	*	2 JAN	0100	157	0.	.0	50.0	*	2 JAN	0920	257	2.	.9	53.1
1 JAN	1645	58	0.	.0	50.0	*	2 JAN	0105	158	0.	.0	50.0	*	2 JAN	0925	258	2.	.9	53.1
1 JAN	1650	59	0.	.0	50.0	*	2 JAN	0110	159	0.	.0	50.0	*	2 JAN	0930	259	2.	.9	53.1
1 JAN	1655	60	0.	.0	50.0	*	2 JAN	0115	160	0.	.0	50.0	*	2 JAN	0935	260	2.	.9	53.1
1 JAN	1700	61	0.	.0	50.0	*	2 JAN	0120	161	0.	.0	50.0	*	2 JAN	0940	261	2.	.9	53.1
1 JAN	1705	62	0.	.0	50.0	*	2 JAN	0125	162	0.	.0	50.0	*	2 JAN	0945	262	2.	.8	53.1
1 JAN	1710	63	0.	.0	50.0	*	2 JAN	0130	163	0.	.0	50.0	*	2 JAN	0950	263	2.	.8	53.1
1 JAN	1715	64	0.	.0	50.0	*	2 JAN	0135	164	0.	.0	50.0	*	2 JAN	0955	264	2.	.8	53.1
1 JAN	1720	65	0.	.0	50.0	*	2 JAN	0140	165	0.	.0	50.0	*	2 JAN	1000	265	2.	.8	53.1
1 JAN	1725	66	0.	.0	50.0	*	2 JAN	0145	166	0.	.0	50.0	*	2 JAN	1005	266	2.	.8	53.1
1 JAN	1730	67	0.	.0	50.0	*	2 JAN	0150	167	0.	.0	50.0	*	2 JAN	1010	267	2.	.8	53.1
1 JAN	1735	68	0.	.0	50.0	*	2 JAN	0155	168	0.	.0	50.0	*	2 JAN	1015	268	2.	.8	53.1
1 JAN	1740	69	0.	.0	50.0	*	2 JAN	0200	169	0.	.0	50.0	*	2 JAN	1020	269	2.	.8	53.1
1 JAN	1745	70	0.	.0	50.0	*	2 JAN	0205	170	0.	.0	50.0	*	2 JAN	1025	270	2.	.8	53.1
1 JAN	1750	71	0.	.0	50.0	*	2 JAN	0210	171	0.	.0	50.0	*	2 JAN	1030	271	2.	.8	53.1
1 JAN	1755	72	0.	.0	50.0	*	2 JAN	0215	172	0.	.0	50.0	*	2 JAN	1035	272	2.	.8	53.1
1 JAN	1800	73	0.	.0	50.0	*	2 JAN	0220	173	0.	.0	50.0	*	2 JAN	1040	273	2.	.8	53.1
1 JAN	1805	74	0.	.0	50.0	*	2 JAN	0225	174	0.	.0	50.0	*	2 JAN	1045	274	2.	.8	53.1
1 JAN	1810	75	0.	.0	50.0	*	2 JAN	0230	175	0.	.0	50.0	*	2 JAN	1050	275	2.	.8	53.1
1 JAN	1815	76	0.	.0	50.0	*	2 JAN	0235	176	0.	.0	50.0	*	2 JAN	1055	276	2.	.8	53.1
1 JAN	1820	77	0.	.0	50.0	*	2 JAN	0240	177	0.	.0	50.0	*	2 JAN	1100	277	2.	.8	53.0
1 JAN	1825	78	0.	.0	50.0	*	2 JAN	0245	178	0.	.0	50.0	*	2 JAN	1105	278	2.	.8	53.0
1 JAN	1830	79	0.	.0	50.0	*	2 JAN	0250	179	0.	.0	50.0	*	2 JAN	1110	279	2.	.8	53.0
1 JAN	1835	80	0.	.0	50.0	*	2 JAN	0255	180	0.	.0	50.0	*	2 JAN	1115	280	2.	.8	53.0
1 JAN	1840	81	0.	.0	50.0	*	2 JAN	0300	181	0.	.0	50.0	*	2 JAN	1120	281	2.	.8	53.0
1 JAN	1845	82	0.	.0	50.0	*	2 JAN	0305	182	0.	.0	50.0	*	2 JAN	1125	282	2.	.8	53.0
1 JAN	1850	83	0.	.0	50.0	*	2 JAN	0310	183	0.	.0	50.0	*	2 JAN	1130	283	2.	.7	53.0
1 JAN	1855	84	0.	.0	50.0	*	2 JAN	0315	184	1.	.0	50.0	*	2 JAN	1135	284	2.	.7	53.0
1 JAN	1900	85	0.	.0	50.0	*	2 JAN	0320	185	1.	.0	50.0	*	2 JAN	1140	285	2.	.7	53.0
1 JAN	1905	86	0.	.0	50.0	*	2 JAN	0325	186	1.	.0	50.1	*	2 JAN	1145	286	2.	.7	53.0
1 JAN	1910	87	0.	.0	50.0	*	2 JAN	0330	187	1.	.0	50.1	*	2 JAN	1150	287	2.	.7	53.0
1 JAN	1915	88	0.	.0	50.0	*	2 JAN	0335	188	1.	.0	50.1	*	2 JAN	1155	288	2.	.7	53.0
1 JAN	1920	89	0.	.0	50.0	*	2 JAN	0340	189	2.	.0	50.1	*	2 JAN	1200	289	2.	.7	53.0
1 JAN	1925	90	0.	.0	50.0	*	2 JAN	0345	190	2.	.0	50.2	*	2 JAN	1205	290	2.	.7	53.0
1 JAN	1930	91	0.	.0	50.0	*	2 JAN	0350	191	2.	.0	50.5	*	2 JAN	1210	291	2.	.7	53.0
1 JAN	1935	92	0.	.0	50.0	*	2 JAN	0355	192	2.	.0	51.0	*	2 JAN	1215	292	2.	.7	53.0
1 JAN	1940	93	0.	.0	50.0	*	2 JAN	0400	193	2.	.1	52.0	*	2 JAN	1220	293	2.	.7	53.0
1 JAN	1945	94	0.	.0	50.0	*	2 JAN	0405	194	2.	.1	52.1	*	2 JAN	1225	294	2.	.7	53.0
1 JAN	1950	95	0.	.0	50.0	*	2 JAN	0410	195	2.	.2	52.3	*	2 JAN	1230	295	2.	.7	53.0
1 JAN	1955	96	0.	.0	50.0	*	2 JAN	0415	196	2.	.4	52.5	*	2 JAN	1235	296	2.	.6	53.0
1 JAN	2000	97	0.	.0	50.0	*	2 JAN	0420	197	2.	.5	52.7	*	2 JAN	1240	297	2.	.6	52.9
1 JAN	2005	98	0.	.0	50.0	*	2 JAN	0425	198	2.	.5	52.8	*	2 JAN	1245	298	2.	.6	52.9
1 JAN	2010	99	0.	.0	50.0	*	2 JAN	0430	199	2.	.6	52.9	*	2 JAN	1250	299	2.	.6	52.9
1 JAN	2015	100	0.	.0	50.0	*	2 JAN	0435	200	2.	.7	53.0	*	2 JAN	1255	300	2.	.6	52.9
						*							*						

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
2.	15.67	(CFS)	2.	1.	1.	1.
		(INCHES)	.176	.281	.281	.281
		(AC-FT)	1.	1.	1.	1.

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

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

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  53.12    18.83                 53.10       51.14       51.10       51.10

                    CUMULATIVE AREA =     .09 SQ MI


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          *           *
252 KK    *  RT_P_23  *
          *           *
          *************

253 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                    IPNCH          0  PUNCH COMPUTED HYDROGRAPH
                     IOUT         21  SAVE HYDROGRAPH ON THIS UNIT
                    ISAV1          1  FIRST ORDINATE PUNCHED OR SAVED
                    ISAV2        300  LAST ORDINATE PUNCHED OR SAVED
                   TIMINT       .083  TIME INTERVAL IN HOURS

                       ROUTE BASINS 9A, 9B AND 9 FROM PUMP AT CONNECTION 2 TO CONNECTION 3
                       VIA 10" LATERAL
                       THE CHANNEL GEOMETRY IS REPRESENTATIVE OF A 0.74' BY 0.74' BOX, WHICH HAS
                       THE SAME CROSS-SECTIONAL AREA OF A 10" PIPE

            HYDROGRAPH ROUTING DATA

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

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

                                      CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
261 RY       ELEVATION   121.74    121.74    121.74    121.00    121.00    121.74    121.74    121.74
260 RX       DISTANCE      1.00      2.00      5.00      5.00      6.74      6.74      8.00      9.00

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                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .00       .01       .01       .02       .02       .02       .03       .03       .03
        OUTFLOW       .00       .04       .13       .26       .40       .57       .75       .95      1.16      1.39
      ELEVATION    121.00    121.04    121.08    121.12    121.16    121.19    121.23    121.27    121.31    121.35
```

STORAGE	.04	.04	.05	.05	.05	.06	.06	.06	.07	.07
OUTFLOW	1.62	1.86	2.11	2.36	2.62	2.89	3.16	3.44	3.72	4.01
ELEVATION	121.39	121.43	121.47	121.51	121.55	121.58	121.62	121.66	121.70	121.74

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HYDROGRAPH AT STATION RT_P_23

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	121.0	1 JAN 2020	101	0.	.0	121.0	2 JAN 0440	201	2.	.0	121.4
1 JAN 1205	2	0.	.0	121.0	1 JAN 2025	102	0.	.0	121.0	2 JAN 0445	202	2.	.0	121.4
1 JAN 1210	3	0.	.0	121.0	1 JAN 2030	103	0.	.0	121.0	2 JAN 0450	203	2.	.0	121.4
1 JAN 1215	4	0.	.0	121.0	1 JAN 2035	104	0.	.0	121.0	2 JAN 0455	204	2.	.0	121.4
1 JAN 1220	5	0.	.0	121.0	1 JAN 2040	105	0.	.0	121.0	2 JAN 0500	205	2.	.0	121.4
1 JAN 1225	6	0.	.0	121.0	1 JAN 2045	106	0.	.0	121.0	2 JAN 0505	206	2.	.0	121.4
1 JAN 1230	7	0.	.0	121.0	1 JAN 2050	107	0.	.0	121.0	2 JAN 0510	207	2.	.0	121.4
1 JAN 1235	8	0.	.0	121.0	1 JAN 2055	108	0.	.0	121.0	2 JAN 0515	208	2.	.0	121.4
1 JAN 1240	9	0.	.0	121.0	1 JAN 2100	109	0.	.0	121.0	2 JAN 0520	209	2.	.0	121.4
1 JAN 1245	10	0.	.0	121.0	1 JAN 2105	110	0.	.0	121.0	2 JAN 0525	210	2.	.0	121.4
1 JAN 1250	11	0.	.0	121.0	1 JAN 2110	111	0.	.0	121.0	2 JAN 0530	211	2.	.0	121.4
1 JAN 1255	12	0.	.0	121.0	1 JAN 2115	112	0.	.0	121.0	2 JAN 0535	212	2.	.0	121.4
1 JAN 1300	13	0.	.0	121.0	1 JAN 2120	113	0.	.0	121.0	2 JAN 0540	213	2.	.0	121.4
1 JAN 1305	14	0.	.0	121.0	1 JAN 2125	114	0.	.0	121.0	2 JAN 0545	214	2.	.0	121.4
1 JAN 1310	15	0.	.0	121.0	1 JAN 2130	115	0.	.0	121.0	2 JAN 0550	215	2.	.0	121.4
1 JAN 1315	16	0.	.0	121.0	1 JAN 2135	116	0.	.0	121.0	2 JAN 0555	216	2.	.0	121.4
1 JAN 1320	17	0.	.0	121.0	1 JAN 2140	117	0.	.0	121.0	2 JAN 0600	217	2.	.0	121.4
1 JAN 1325	18	0.	.0	121.0	1 JAN 2145	118	0.	.0	121.0	2 JAN 0605	218	2.	.0	121.4
1 JAN 1330	19	0.	.0	121.0	1 JAN 2150	119	0.	.0	121.0	2 JAN 0610	219	2.	.0	121.4
1 JAN 1335	20	0.	.0	121.0	1 JAN 2155	120	0.	.0	121.0	2 JAN 0615	220	2.	.0	121.4
1 JAN 1340	21	0.	.0	121.0	1 JAN 2200	121	0.	.0	121.0	2 JAN 0620	221	2.	.0	121.4
1 JAN 1345	22	0.	.0	121.0	1 JAN 2205	122	0.	.0	121.0	2 JAN 0625	222	2.	.0	121.4
1 JAN 1350	23	0.	.0	121.0	1 JAN 2210	123	0.	.0	121.0	2 JAN 0630	223	2.	.0	121.4
1 JAN 1355	24	0.	.0	121.0	1 JAN 2215	124	0.	.0	121.0	2 JAN 0635	224	2.	.0	121.4
1 JAN 1400	25	0.	.0	121.0	1 JAN 2220	125	0.	.0	121.0	2 JAN 0640	225	2.	.0	121.4
1 JAN 1405	26	0.	.0	121.0	1 JAN 2225	126	0.	.0	121.0	2 JAN 0645	226	2.	.0	121.4
1 JAN 1410	27	0.	.0	121.0	1 JAN 2230	127	0.	.0	121.0	2 JAN 0650	227	2.	.0	121.4
1 JAN 1415	28	0.	.0	121.0	1 JAN 2235	128	0.	.0	121.0	2 JAN 0655	228	2.	.0	121.4
1 JAN 1420	29	0.	.0	121.0	1 JAN 2240	129	0.	.0	121.0	2 JAN 0700	229	2.	.0	121.4
1 JAN 1425	30	0.	.0	121.0	1 JAN 2245	130	0.	.0	121.0	2 JAN 0705	230	2.	.0	121.4
1 JAN 1430	31	0.	.0	121.0	1 JAN 2250	131	0.	.0	121.0	2 JAN 0710	231	2.	.0	121.4
1 JAN 1435	32	0.	.0	121.0	1 JAN 2255	132	0.	.0	121.0	2 JAN 0715	232	2.	.0	121.4
1 JAN 1440	33	0.	.0	121.0	1 JAN 2300	133	0.	.0	121.0	2 JAN 0720	233	2.	.0	121.4
1 JAN 1445	34	0.	.0	121.0	1 JAN 2305	134	0.	.0	121.0	2 JAN 0725	234	2.	.0	121.4
1 JAN 1450	35	0.	.0	121.0	1 JAN 2310	135	0.	.0	121.0	2 JAN 0730	235	2.	.0	121.4
1 JAN 1455	36	0.	.0	121.0	1 JAN 2315	136	0.	.0	121.0	2 JAN 0735	236	2.	.0	121.4
1 JAN 1500	37	0.	.0	121.0	1 JAN 2320	137	0.	.0	121.0	2 JAN 0740	237	2.	.0	121.4
1 JAN 1505	38	0.	.0	121.0	1 JAN 2325	138	0.	.0	121.0	2 JAN 0745	238	2.	.0	121.4
1 JAN 1510	39	0.	.0	121.0	1 JAN 2330	139	0.	.0	121.0	2 JAN 0750	239	2.	.0	121.4
1 JAN 1515	40	0.	.0	121.0	1 JAN 2335	140	0.	.0	121.0	2 JAN 0755	240	2.	.0	121.4
1 JAN 1520	41	0.	.0	121.0	1 JAN 2340	141	0.	.0	121.0	2 JAN 0800	241	2.	.0	121.4
1 JAN 1525	42	0.	.0	121.0	1 JAN 2345	142	0.	.0	121.0	2 JAN 0805	242	2.	.0	121.4
1 JAN 1530	43	0.	.0	121.0	1 JAN 2350	143	0.	.0	121.0	2 JAN 0810	243	2.	.0	121.4
1 JAN 1535	44	0.	.0	121.0	1 JAN 2355	144	0.	.0	121.0	2 JAN 0815	244	2.	.0	121.4
1 JAN 1540	45	0.	.0	121.0	2 JAN 0000	145	0.	.0	121.0	2 JAN 0820	245	2.	.0	121.4
1 JAN 1545	46	0.	.0	121.0	2 JAN 0005	146	0.	.0	121.0	2 JAN 0825	246	2.	.0	121.4
1 JAN 1550	47	0.	.0	121.0	2 JAN 0010	147	0.	.0	121.0	2 JAN 0830	247	2.	.0	121.4

1 JAN 1555	48	0.	.0	121.0 *	2 JAN 0015	148	0.	.0	121.0 *	2 JAN 0835	248	2.	.0	121.4
1 JAN 1600	49	0.	.0	121.0 *	2 JAN 0020	149	0.	.0	121.0 *	2 JAN 0840	249	2.	.0	121.4
1 JAN 1605	50	0.	.0	121.0 *	2 JAN 0025	150	0.	.0	121.0 *	2 JAN 0845	250	2.	.0	121.4
1 JAN 1610	51	0.	.0	121.0 *	2 JAN 0030	151	0.	.0	121.0 *	2 JAN 0850	251	2.	.0	121.4
1 JAN 1615	52	0.	.0	121.0 *	2 JAN 0035	152	0.	.0	121.0 *	2 JAN 0855	252	2.	.0	121.4
1 JAN 1620	53	0.	.0	121.0 *	2 JAN 0040	153	0.	.0	121.0 *	2 JAN 0900	253	2.	.0	121.4
1 JAN 1625	54	0.	.0	121.0 *	2 JAN 0045	154	0.	.0	121.0 *	2 JAN 0905	254	2.	.0	121.4
1 JAN 1630	55	0.	.0	121.0 *	2 JAN 0050	155	0.	.0	121.0 *	2 JAN 0910	255	2.	.0	121.4
1 JAN 1635	56	0.	.0	121.0 *	2 JAN 0055	156	0.	.0	121.0 *	2 JAN 0915	256	2.	.0	121.4
1 JAN 1640	57	0.	.0	121.0 *	2 JAN 0100	157	0.	.0	121.0 *	2 JAN 0920	257	2.	.0	121.4
1 JAN 1645	58	0.	.0	121.0 *	2 JAN 0105	158	0.	.0	121.0 *	2 JAN 0925	258	2.	.0	121.4
1 JAN 1650	59	0.	.0	121.0 *	2 JAN 0110	159	0.	.0	121.0 *	2 JAN 0930	259	2.	.0	121.4
1 JAN 1655	60	0.	.0	121.0 *	2 JAN 0115	160	0.	.0	121.0 *	2 JAN 0935	260	2.	.0	121.4
1 JAN 1700	61	0.	.0	121.0 *	2 JAN 0120	161	0.	.0	121.0 *	2 JAN 0940	261	2.	.0	121.4
1 JAN 1705	62	0.	.0	121.0 *	2 JAN 0125	162	0.	.0	121.0 *	2 JAN 0945	262	2.	.0	121.4
1 JAN 1710	63	0.	.0	121.0 *	2 JAN 0130	163	0.	.0	121.0 *	2 JAN 0950	263	2.	.0	121.4
1 JAN 1715	64	0.	.0	121.0 *	2 JAN 0135	164	0.	.0	121.0 *	2 JAN 0955	264	2.	.0	121.4
1 JAN 1720	65	0.	.0	121.0 *	2 JAN 0140	165	0.	.0	121.0 *	2 JAN 1000	265	2.	.0	121.4
1 JAN 1725	66	0.	.0	121.0 *	2 JAN 0145	166	0.	.0	121.0 *	2 JAN 1005	266	2.	.0	121.4
1 JAN 1730	67	0.	.0	121.0 *	2 JAN 0150	167	0.	.0	121.0 *	2 JAN 1010	267	2.	.0	121.4
1 JAN 1735	68	0.	.0	121.0 *	2 JAN 0155	168	0.	.0	121.0 *	2 JAN 1015	268	2.	.0	121.4
1 JAN 1740	69	0.	.0	121.0 *	2 JAN 0200	169	0.	.0	121.0 *	2 JAN 1020	269	2.	.0	121.4
1 JAN 1745	70	0.	.0	121.0 *	2 JAN 0205	170	0.	.0	121.0 *	2 JAN 1025	270	2.	.0	121.4
1 JAN 1750	71	0.	.0	121.0 *	2 JAN 0210	171	0.	.0	121.0 *	2 JAN 1030	271	2.	.0	121.4
1 JAN 1755	72	0.	.0	121.0 *	2 JAN 0215	172	0.	.0	121.0 *	2 JAN 1035	272	2.	.0	121.4
1 JAN 1800	73	0.	.0	121.0 *	2 JAN 0220	173	0.	.0	121.0 *	2 JAN 1040	273	2.	.0	121.4
1 JAN 1805	74	0.	.0	121.0 *	2 JAN 0225	174	0.	.0	121.0 *	2 JAN 1045	274	2.	.0	121.4
1 JAN 1810	75	0.	.0	121.0 *	2 JAN 0230	175	0.	.0	121.0 *	2 JAN 1050	275	2.	.0	121.4
1 JAN 1815	76	0.	.0	121.0 *	2 JAN 0235	176	0.	.0	121.0 *	2 JAN 1055	276	2.	.0	121.4
1 JAN 1820	77	0.	.0	121.0 *	2 JAN 0240	177	0.	.0	121.0 *	2 JAN 1100	277	2.	.0	121.4
1 JAN 1825	78	0.	.0	121.0 *	2 JAN 0245	178	0.	.0	121.0 *	2 JAN 1105	278	2.	.0	121.4
1 JAN 1830	79	0.	.0	121.0 *	2 JAN 0250	179	0.	.0	121.0 *	2 JAN 1110	279	2.	.0	121.4
1 JAN 1835	80	0.	.0	121.0 *	2 JAN 0255	180	0.	.0	121.0 *	2 JAN 1115	280	2.	.0	121.4
1 JAN 1840	81	0.	.0	121.0 *	2 JAN 0300	181	0.	.0	121.0 *	2 JAN 1120	281	2.	.0	121.4
1 JAN 1845	82	0.	.0	121.0 *	2 JAN 0305	182	0.	.0	121.1 *	2 JAN 1125	282	2.	.0	121.4
1 JAN 1850	83	0.	.0	121.0 *	2 JAN 0310	183	0.	.0	121.1 *	2 JAN 1130	283	2.	.0	121.4
1 JAN 1855	84	0.	.0	121.0 *	2 JAN 0315	184	0.	.0	121.1 *	2 JAN 1135	284	2.	.0	121.4
1 JAN 1900	85	0.	.0	121.0 *	2 JAN 0320	185	0.	.0	121.1 *	2 JAN 1140	285	2.	.0	121.4
1 JAN 1905	86	0.	.0	121.0 *	2 JAN 0325	186	0.	.0	121.2 *	2 JAN 1145	286	2.	.0	121.4
1 JAN 1910	87	0.	.0	121.0 *	2 JAN 0330	187	1.	.0	121.2 *	2 JAN 1150	287	2.	.0	121.4
1 JAN 1915	88	0.	.0	121.0 *	2 JAN 0335	188	1.	.0	121.2 *	2 JAN 1155	288	2.	.0	121.4
1 JAN 1920	89	0.	.0	121.0 *	2 JAN 0340	189	1.	.0	121.3 *	2 JAN 1200	289	2.	.0	121.4
1 JAN 1925	90	0.	.0	121.0 *	2 JAN 0345	190	1.	.0	121.3 *	2 JAN 1205	290	2.	.0	121.4
1 JAN 1930	91	0.	.0	121.0 *	2 JAN 0350	191	1.	.0	121.4 *	2 JAN 1210	291	2.	.0	121.4
1 JAN 1935	92	0.	.0	121.0 *	2 JAN 0355	192	2.	.0	121.4 *	2 JAN 1215	292	2.	.0	121.4
1 JAN 1940	93	0.	.0	121.0 *	2 JAN 0400	193	2.	.0	121.4 *	2 JAN 1220	293	2.	.0	121.4
1 JAN 1945	94	0.	.0	121.0 *	2 JAN 0405	194	2.	.0	121.4 *	2 JAN 1225	294	2.	.0	121.4
1 JAN 1950	95	0.	.0	121.0 *	2 JAN 0410	195	2.	.0	121.4 *	2 JAN 1230	295	2.	.0	121.4
1 JAN 1955	96	0.	.0	121.0 *	2 JAN 0415	196	2.	.0	121.4 *	2 JAN 1235	296	2.	.0	121.4
1 JAN 2000	97	0.	.0	121.0 *	2 JAN 0420	197	2.	.0	121.4 *	2 JAN 1240	297	2.	.0	121.4
1 JAN 2005	98	0.	.0	121.0 *	2 JAN 0425	198	2.	.0	121.4 *	2 JAN 1245	298	2.	.0	121.4
1 JAN 2010	99	0.	.0	121.0 *	2 JAN 0430	199	2.	.0	121.4 *	2 JAN 1250	299	2.	.0	121.4
1 JAN 2015	100	0.	.0	121.0 *	2 JAN 0435	200	2.	.0	121.4 *	2 JAN 1255	300	2.	.0	121.4
				*					*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
2.	16.92	(CFS)	2.	1.	1.	1.
		(INCHES)	.176	.273	.273	.273

```
                    (AC-FT)        1.          1.          1.          1.

PEAK STORAGE   TIME                        MAXIMUM AVERAGE STORAGE
  (AC-FT)      (HR)                 6-HR       24-HR       72-HR     24.92-HR
      0.      16.17                  0.          0.          0.          0.

PEAK STAGE     TIME                        MAXIMUM AVERAGE STAGE
  (FEET)       (HR)                 6-HR       24-HR       72-HR     24.92-HR
  121.40      17.67               121.40      121.16      121.15      121.15

                    CUMULATIVE AREA =     .09 SQ MI


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          *           *
262 KK    *  10_CON3  *
          *           *
          *************
                    BASIN 10 DRAINING TO CONNECTION 3

            SUBBASIN RUNOFF DATA

264 BA          SUBBASIN CHARACTERISTICS
                     TAREA         .02  SUBBASIN AREA

                PRECIPITATION DATA

 40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI            INCREMENTAL PRECIPITATION PATTERN
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .02       .02       .02       .02       .02       .02       .02
                     .02       .02       .02       .03       .03       .03       .03       .04       .05       .07
                     .10       .35       .06       .04       .03       .02       .02       .02       .02       .02
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                     .01       .01       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
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.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00			

265 LS SCS LOSS RATE

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

266 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	.06	LAG

***

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

UNIT HYDROGRAPH
6 END-OF-PERIOD ORDINATES

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

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HYDROGRAPH AT STATION 10_CON3

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

1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	0.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	0.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	0.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.02	.00	1.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	1.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.01	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.03	.01	1.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	1.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.05	.01	2.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.07	.02	3.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.24	.11	11.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	7.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.02	.01	4.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	2.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.01	.01	2.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	1.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	1.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	1.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	1.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	1.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	1.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	1.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	1.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	1.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	1.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	1.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	0.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	0.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	0.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	0.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	0.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	0.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	0.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	0.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	0.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	0.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	0.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	0.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	0.
1 JAN 1840	81	.00	.00	.00	0.	*	2 JAN 0710	231	.01	.00	.00	0.
1 JAN 1845	82	.00	.00	.00	0.	*	2 JAN 0715	232	.01	.00	.00	0.
1 JAN 1850	83	.00	.00	.00	0.	*	2 JAN 0720	233	.01	.00	.00	0.
1 JAN 1855	84	.00	.00	.00	0.	*	2 JAN 0725	234	.00	.00	.00	0.
1 JAN 1900	85	.00	.00	.00	0.	*	2 JAN 0730	235	.00	.00	.00	0.
1 JAN 1905	86	.00	.00	.00	0.	*	2 JAN 0735	236	.00	.00	.00	0.
1 JAN 1910	87	.00	.00	.00	0.	*	2 JAN 0740	237	.00	.00	.00	0.
1 JAN 1915	88	.00	.00	.00	0.	*	2 JAN 0745	238	.00	.00	.00	0.
1 JAN 1920	89	.00	.00	.00	0.	*	2 JAN 0750	239	.00	.00	.00	0.
1 JAN 1925	90	.00	.00	.00	0.	*	2 JAN 0755	240	.00	.00	.00	0.
1 JAN 1930	91	.00	.00	.00	0.	*	2 JAN 0800	241	.00	.00	.00	0.

1 JAN 1935	92	.00	.00	.00	0.	*	2 JAN 0805	242	.00	.00	.00	0.
1 JAN 1940	93	.00	.00	.00	0.	*	2 JAN 0810	243	.00	.00	.00	0.
1 JAN 1945	94	.00	.00	.00	0.	*	2 JAN 0815	244	.00	.00	.00	0.
1 JAN 1950	95	.00	.00	.00	0.	*	2 JAN 0820	245	.00	.00	.00	0.
1 JAN 1955	96	.00	.00	.00	0.	*	2 JAN 0825	246	.00	.00	.00	0.
1 JAN 2000	97	.00	.00	.00	0.	*	2 JAN 0830	247	.00	.00	.00	0.
1 JAN 2005	98	.00	.00	.00	0.	*	2 JAN 0835	248	.00	.00	.00	0.
1 JAN 2010	99	.00	.00	.00	0.	*	2 JAN 0840	249	.00	.00	.00	0.
1 JAN 2015	100	.00	.00	.00	0.	*	2 JAN 0845	250	.00	.00	.00	0.
1 JAN 2020	101	.00	.00	.00	0.	*	2 JAN 0850	251	.00	.00	.00	0.
1 JAN 2025	102	.00	.00	.00	0.	*	2 JAN 0855	252	.00	.00	.00	0.
1 JAN 2030	103	.00	.00	.00	0.	*	2 JAN 0900	253	.00	.00	.00	0.
1 JAN 2035	104	.00	.00	.00	0.	*	2 JAN 0905	254	.00	.00	.00	0.
1 JAN 2040	105	.00	.00	.00	0.	*	2 JAN 0910	255	.00	.00	.00	0.
1 JAN 2045	106	.00	.00	.00	0.	*	2 JAN 0915	256	.00	.00	.00	0.
1 JAN 2050	107	.00	.00	.00	0.	*	2 JAN 0920	257	.00	.00	.00	0.
1 JAN 2055	108	.00	.00	.00	0.	*	2 JAN 0925	258	.00	.00	.00	0.
1 JAN 2100	109	.00	.00	.00	0.	*	2 JAN 0930	259	.00	.00	.00	0.
1 JAN 2105	110	.00	.00	.00	0.	*	2 JAN 0935	260	.00	.00	.00	0.
1 JAN 2110	111	.00	.00	.00	0.	*	2 JAN 0940	261	.00	.00	.00	0.
1 JAN 2115	112	.00	.00	.00	0.	*	2 JAN 0945	262	.00	.00	.00	0.
1 JAN 2120	113	.01	.01	.00	0.	*	2 JAN 0950	263	.00	.00	.00	0.
1 JAN 2125	114	.01	.01	.00	0.	*	2 JAN 0955	264	.00	.00	.00	0.
1 JAN 2130	115	.01	.01	.00	0.	*	2 JAN 1000	265	.00	.00	.00	0.
1 JAN 2135	116	.01	.01	.00	0.	*	2 JAN 1005	266	.00	.00	.00	0.
1 JAN 2140	117	.01	.01	.00	0.	*	2 JAN 1010	267	.00	.00	.00	0.
1 JAN 2145	118	.01	.01	.00	0.	*	2 JAN 1015	268	.00	.00	.00	0.
1 JAN 2150	119	.01	.01	.00	0.	*	2 JAN 1020	269	.00	.00	.00	0.
1 JAN 2155	120	.01	.01	.00	0.	*	2 JAN 1025	270	.00	.00	.00	0.
1 JAN 2200	121	.01	.01	.00	0.	*	2 JAN 1030	271	.00	.00	.00	0.
1 JAN 2205	122	.01	.01	.00	0.	*	2 JAN 1035	272	.00	.00	.00	0.
1 JAN 2210	123	.01	.01	.00	0.	*	2 JAN 1040	273	.00	.00	.00	0.
1 JAN 2215	124	.01	.01	.00	0.	*	2 JAN 1045	274	.00	.00	.00	0.
1 JAN 2220	125	.01	.01	.00	0.	*	2 JAN 1050	275	.00	.00	.00	0.
1 JAN 2225	126	.01	.01	.00	0.	*	2 JAN 1055	276	.00	.00	.00	0.
1 JAN 2230	127	.01	.01	.00	0.	*	2 JAN 1100	277	.00	.00	.00	0.
1 JAN 2235	128	.01	.01	.00	0.	*	2 JAN 1105	278	.00	.00	.00	0.
1 JAN 2240	129	.01	.01	.00	0.	*	2 JAN 1110	279	.00	.00	.00	0.
1 JAN 2245	130	.01	.01	.00	0.	*	2 JAN 1115	280	.00	.00	.00	0.
1 JAN 2250	131	.01	.01	.00	0.	*	2 JAN 1120	281	.00	.00	.00	0.
1 JAN 2255	132	.01	.01	.00	0.	*	2 JAN 1125	282	.00	.00	.00	0.
1 JAN 2300	133	.01	.01	.00	0.	*	2 JAN 1130	283	.00	.00	.00	0.
1 JAN 2305	134	.01	.01	.00	0.	*	2 JAN 1135	284	.00	.00	.00	0.
1 JAN 2310	135	.01	.01	.00	0.	*	2 JAN 1140	285	.00	.00	.00	0.
1 JAN 2315	136	.01	.01	.00	0.	*	2 JAN 1145	286	.00	.00	.00	0.
1 JAN 2320	137	.01	.01	.00	0.	*	2 JAN 1150	287	.00	.00	.00	0.
1 JAN 2325	138	.01	.01	.00	0.	*	2 JAN 1155	288	.00	.00	.00	0.
1 JAN 2330	139	.01	.01	.00	0.	*	2 JAN 1200	289	.00	.00	.00	0.
1 JAN 2335	140	.01	.01	.00	0.	*	2 JAN 1205	290	.00	.00	.00	0.
1 JAN 2340	141	.01	.01	.00	0.	*	2 JAN 1210	291	.00	.00	.00	0.
1 JAN 2345	142	.01	.01	.00	0.	*	2 JAN 1215	292	.00	.00	.00	0.
1 JAN 2350	143	.01	.01	.00	0.	*	2 JAN 1220	293	.00	.00	.00	0.
1 JAN 2355	144	.01	.01	.00	0.	*	2 JAN 1225	294	.00	.00	.00	0.
2 JAN 0000	145	.01	.01	.00	0.	*	2 JAN 1230	295	.00	.00	.00	0.
2 JAN 0005	146	.01	.01	.00	0.	*	2 JAN 1235	296	.00	.00	.00	0.
2 JAN 0010	147	.01	.01	.00	0.	*	2 JAN 1240	297	.00	.00	.00	0.
2 JAN 0015	148	.01	.01	.00	0.	*	2 JAN 1245	298	.00	.00	.00	0.
2 JAN 0020	149	.01	.01	.00	0.	*	2 JAN 1250	299	.00	.00	.00	0.
2 JAN 0025	150	.01	.01	.00	0.	*	2 JAN 1255	300	.00	.00	.00	0.
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   TOTAL RAINFALL =    2.49, TOTAL LOSS =    2.01, TOTAL EXCESS =     .49

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

                        CUMULATIVE AREA =     .02 SQ MI


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


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          *            *
267 KK    *   MAIN_3   *
          *            *
          **************

268 KO          OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                     IPNCH          0  PUNCH COMPUTED HYDROGRAPH
                      IOUT         21  SAVE HYDROGRAPH ON THIS UNIT
                     ISAV1          1  FIRST ORDINATE PUNCHED OR SAVED
                     ISAV2        300  LAST ORDINATE PUNCHED OR SAVED
                    TIMINT       .083  TIME INTERVAL IN HOURS

                        Q IN MAIN LINE AFTER CONFLUENCE WITH Q FROM PUMP STATION (CONN. 2)
                        AT CONNECTION 3 AND BASIN 10 DRAINING TO CONN. 3

271 HC          HYDROGRAPH COMBINATION
                     ICOMP          3  NUMBER OF HYDROGRAPHS TO COMBINE

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                                    HYDROGRAPH AT STATION   MAIN_3
                                         SUM OF  3 HYDROGRAPHS

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DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
1 JAN 1200	1	0.	*	1 JAN 1815	76	0.	*	2 JAN 0030	151	0.	*	2 JAN 0645	226	8.
1 JAN 1205	2	0.	*	1 JAN 1820	77	0.	*	2 JAN 0035	152	0.	*	2 JAN 0650	227	8.
1 JAN 1210	3	0.	*	1 JAN 1825	78	0.	*	2 JAN 0040	153	0.	*	2 JAN 0655	228	8.
1 JAN 1215	4	0.	*	1 JAN 1830	79	0.	*	2 JAN 0045	154	0.	*	2 JAN 0700	229	8.
1 JAN 1220	5	0.	*	1 JAN 1835	80	0.	*	2 JAN 0050	155	0.	*	2 JAN 0705	230	8.
1 JAN 1225	6	0.	*	1 JAN 1840	81	0.	*	2 JAN 0055	156	0.	*	2 JAN 0710	231	7.
1 JAN 1230	7	0.	*	1 JAN 1845	82	0.	*	2 JAN 0100	157	0.	*	2 JAN 0715	232	7.
1 JAN 1235	8	0.	*	1 JAN 1850	83	0.	*	2 JAN 0105	158	0.	*	2 JAN 0720	233	7.
1 JAN 1240	9	0.	*	1 JAN 1855	84	0.	*	2 JAN 0110	159	0.	*	2 JAN 0725	234	7.

1 JAN 1245	10	0.	*	1 JAN 1900	85	0.	*	2 JAN 0115	160	0.	*	2 JAN 0730	235	6.
1 JAN 1250	11	0.	*	1 JAN 1905	86	0.	*	2 JAN 0120	161	0.	*	2 JAN 0735	236	6.
1 JAN 1255	12	0.	*	1 JAN 1910	87	0.	*	2 JAN 0125	162	0.	*	2 JAN 0740	237	6.
1 JAN 1300	13	0.	*	1 JAN 1915	88	0.	*	2 JAN 0130	163	0.	*	2 JAN 0745	238	6.
1 JAN 1305	14	0.	*	1 JAN 1920	89	0.	*	2 JAN 0135	164	0.	*	2 JAN 0750	239	6.
1 JAN 1310	15	0.	*	1 JAN 1925	90	0.	*	2 JAN 0140	165	0.	*	2 JAN 0755	240	6.
1 JAN 1315	16	0.	*	1 JAN 1930	91	0.	*	2 JAN 0145	166	0.	*	2 JAN 0800	241	6.
1 JAN 1320	17	0.	*	1 JAN 1935	92	0.	*	2 JAN 0150	167	0.	*	2 JAN 0805	242	5.
1 JAN 1325	18	0.	*	1 JAN 1940	93	0.	*	2 JAN 0155	168	0.	*	2 JAN 0810	243	5.
1 JAN 1330	19	0.	*	1 JAN 1945	94	0.	*	2 JAN 0200	169	0.	*	2 JAN 0815	244	5.
1 JAN 1335	20	0.	*	1 JAN 1950	95	0.	*	2 JAN 0205	170	0.	*	2 JAN 0820	245	5.
1 JAN 1340	21	0.	*	1 JAN 1955	96	0.	*	2 JAN 0210	171	0.	*	2 JAN 0825	246	5.
1 JAN 1345	22	0.	*	1 JAN 2000	97	0.	*	2 JAN 0215	172	0.	*	2 JAN 0830	247	5.
1 JAN 1350	23	0.	*	1 JAN 2005	98	0.	*	2 JAN 0220	173	0.	*	2 JAN 0835	248	5.
1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	5.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	5.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	4.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	4.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	0.	*	2 JAN 0900	253	4.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	1.	*	2 JAN 0905	254	4.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	1.	*	2 JAN 0910	255	4.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	1.	*	2 JAN 0915	256	4.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	1.	*	2 JAN 0920	257	4.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	1.	*	2 JAN 0925	258	4.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	1.	*	2 JAN 0930	259	4.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	2.	*	2 JAN 0935	260	4.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	2.	*	2 JAN 0940	261	4.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	3.	*	2 JAN 0945	262	4.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	3.	*	2 JAN 0950	263	4.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	4.	*	2 JAN 0955	264	4.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	4.	*	2 JAN 1000	265	4.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	5.	*	2 JAN 1005	266	4.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	7.	*	2 JAN 1010	267	4.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	15.	*	2 JAN 1015	268	4.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	13.	*	2 JAN 1020	269	4.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	11.	*	2 JAN 1025	270	4.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	11.	*	2 JAN 1030	271	4.
1 JAN 1550	47	0..	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	12.	*	2 JAN 1035	272	4.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	13.	*	2 JAN 1040	273	4.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	14.	*	2 JAN 1045	274	4.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	14.	*	2 JAN 1050	275	4.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	15.	*	2 JAN 1055	276	4.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	15.	*	2 JAN 1100	277	4.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	15.	*	2 JAN 1105	278	4.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	15.	*	2 JAN 1110	279	4.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	15.	*	2 JAN 1115	280	4.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	14.	*	2 JAN 1120	281	4.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	14.	*	2 JAN 1125	282	4.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	14.	*	2 JAN 1130	283	4.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	13.	*	2 JAN 1135	284	4.
1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	13.	*	2 JAN 1140	285	4.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	13.	*	2 JAN 1145	286	4.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	12.	*	2 JAN 1150	287	4.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	12.	*	2 JAN 1155	288	4.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	12.	*	2 JAN 1200	289	3.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	11.	*	2 JAN 1205	290	3.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	11.	*	2 JAN 1210	291	3.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	11.	*	2 JAN 1215	292	3.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	10.	*	2 JAN 1220	293	3.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	10.	*	2 JAN 1225	294	3.

1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	10.	*	2 JAN 1230	295	3.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	9.	*	2 JAN 1235	296	3.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	9.	*	2 JAN 1240	297	3.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	9.	*	2 JAN 1245	298	2.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	9.	*	2 JAN 1250	299	2.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	9.	*	2 JAN 1255	300	2.
			*				*				*			

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.92-HR
15.	16.00	(CFS)	9.	3.	3.	3.
		(INCHES)	.307	.385	.385	.385
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .26 SQ MI

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272 KK    *    RT_34  *
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273 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE
IPNCH	0	PUNCH COMPUTED HYDROGRAPH
IOUT	21	SAVE HYDROGRAPH ON THIS UNIT
ISAV1	1	FIRST ORDINATE PUNCHED OR SAVED
ISAV2	300	LAST ORDINATE PUNCHED OR SAVED
TIMINT	.083	TIME INTERVAL IN HOURS

ROUTE FROM CONNECTION 3 TO CONNECTION 4
THE RD CARD WAS NOT USED FOR THE ROUTING ANALYSIS

HYDROGRAPH ROUTING DATA

276 RS STORAGE ROUTING

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

277 RC NORMAL DEPTH CHANNEL

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

CROSS-SECTION DATA

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

279 RY	ELEVATION	121.80	121.80	121.80	120.00	120.00	121.80	121.80	121.80
278 RX	DISTANCE	1.00	2.00	5.00	5.00	7.20	7.20	8.00	9.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.01	.02	.02	.03	.04	.04	.05	.05
OUTFLOW	.00	.23	.71	1.33	2.05	2.86	3.73	4.64	5.60	6.59
ELEVATION	120.00	120.09	120.19	120.28	120.38	120.47	120.57	120.66	120.76	120.85
STORAGE	.06	.06	.07	.08	.08	.09	.09	.10	.11	.11
OUTFLOW	7.61	8.66	9.73	10.81	11.91	13.03	14.15	15.29	16.44	17.60
ELEVATION	120.95	121.04	121.14	121.23	121.33	121.42	121.52	121.61	121.71	121.80

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HYDROGRAPH AT STATION RT_34

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
1 JAN 1200	1	0.	.0	120.0	*	1 JAN 2020	101	0.	.0	120.0	*	2 JAN 0440	201	14.	.1	121.5
1 JAN 1205	2	0.	.0	120.0	*	1 JAN 2025	102	0.	.0	120.0	*	2 JAN 0445	202	15.	.1	121.6
1 JAN 1210	3	0.	.0	120.0	*	1 JAN 2030	103	0.	.0	120.0	*	2 JAN 0450	203	15.	.1	121.6
1 JAN 1215	4	0.	.0	120.0	*	1 JAN 2035	104	0.	.0	120.0	*	2 JAN 0455	204	15.	.1	121.6
1 JAN 1220	5	0.	.0	120.0	*	1 JAN 2040	105	0.	.0	120.0	*	2 JAN 0500	205	15.	.1	121.6
1 JAN 1225	6	0.	.0	120.0	*	1 JAN 2045	106	0.	.0	120.0	*	2 JAN 0505	206	14.	.1	121.5
1 JAN 1230	7	0.	.0	120.0	*	1 JAN 2050	107	0.	.0	120.0	*	2 JAN 0510	207	14.	.1	121.5
1 JAN 1235	8	0.	.0	120.0	*	1 JAN 2055	108	0.	.0	120.0	*	2 JAN 0515	208	14.	.1	121.5
1 JAN 1240	9	0.	.0	120.0	*	1 JAN 2100	109	0.	.0	120.0	*	2 JAN 0520	209	14.	.1	121.5
1 JAN 1245	10	0.	.0	120.0	*	1 JAN 2105	110	0.	.0	120.0	*	2 JAN 0525	210	13.	.1	121.4
1 JAN 1250	11	0.	.0	120.0	*	1 JAN 2110	111	0.	.0	120.0	*	2 JAN 0530	211	13.	.1	121.4
1 JAN 1255	12	0.	.0	120.0	*	1 JAN 2115	112	0.	.0	120.0	*	2 JAN 0535	212	12.	.1	121.4
1 JAN 1300	13	0.	.0	120.0	*	1 JAN 2120	113	0.	.0	120.0	*	2 JAN 0540	213	12.	.1	121.3
1 JAN 1305	14	0.	.0	120.0	*	1 JAN 2125	114	0.	.0	120.0	*	2 JAN 0545	214	12.	.1	121.3
1 JAN 1310	15	0.	.0	120.0	*	1 JAN 2130	115	0.	.0	120.0	*	2 JAN 0550	215	11.	.1	121.3
1 JAN 1315	16	0.	.0	120.0	*	1 JAN 2135	116	0.	.0	120.0	*	2 JAN 0555	216	11.	.1	121.3
1 JAN 1320	17	0.	.0	120.0	*	1 JAN 2140	117	0.	.0	120.0	*	2 JAN 0600	217	11.	.1	121.2
1 JAN 1325	18	0.	.0	120.0	*	1 JAN 2145	118	0.	.0	120.0	*	2 JAN 0605	218	11.	.1	121.2
1 JAN 1330	19	0.	.0	120.0	*	1 JAN 2150	119	0.	.0	120.0	*	2 JAN 0610	219	10.	.1	121.2
1 JAN 1335	20	0.	.0	120.0	*	1 JAN 2155	120	0.	.0	120.0	*	2 JAN 0615	220	10.	.1	121.2
1 JAN 1340	21	0.	.0	120.0	*	1 JAN 2200	121	0.	.0	120.0	*	2 JAN 0620	221	10.	.1	121.1
1 JAN 1345	22	0.	.0	120.0	*	1 JAN 2205	122	0.	.0	120.0	*	2 JAN 0625	222	9.	.1	121.1
1 JAN 1350	23	0.	.0	120.0	*	1 JAN 2210	123	0.	.0	120.0	*	2 JAN 0630	223	9.	.1	121.1
1 JAN 1355	24	0.	.0	120.0	*	1 JAN 2215	124	0.	.0	120.0	*	2 JAN 0635	224	9.	.1	121.1
1 JAN 1400	25	0.	.0	120.0	*	1 JAN 2220	125	0.	.0	120.0	*	2 JAN 0640	225	9.	.1	121.0
1 JAN 1405	26	0.	.0	120.0	*	1 JAN 2225	126	0.	.0	120.0	*	2 JAN 0645	226	9.	.1	121.0
1 JAN 1410	27	0.	.0	120.0	*	1 JAN 2230	127	0.	.0	120.0	*	2 JAN 0650	227	8.	.1	121.0
1 JAN 1415	28	0.	.0	120.0	*	1 JAN 2235	128	0.	.0	120.0	*	2 JAN 0655	228	8.	.1	121.0
1 JAN 1420	29	0.	.0	120.0	*	1 JAN 2240	129	0.	.0	120.0	*	2 JAN 0700	229	8.	.1	121.0
1 JAN 1425	30	0.	.0	120.0	*	1 JAN 2245	130	0.	.0	120.0	*	2 JAN 0705	230	8.	.1	121.0
1 JAN 1430	31	0.	.0	120.0	*	1 JAN 2250	131	0.	.0	120.0	*	2 JAN 0710	231	7.	.1	120.9
1 JAN 1435	32	0.	.0	120.0	*	1 JAN 2255	132	0.	.0	120.0	*	2 JAN 0715	232	7.	.1	120.9
1 JAN 1440	33	0.	.0	120.0	*	1 JAN 2300	133	0.	.0	120.0	*	2 JAN 0720	233	7.	.1	120.9
1 JAN 1445	34	0.	.0	120.0	*	1 JAN 2305	134	0.	.0	120.0	*	2 JAN 0725	234	7.	.1	120.9
1 JAN 1450	35	0.	.0	120.0	*	1 JAN 2310	135	0.	.0	120.0	*	2 JAN 0730	235	7.	.1	120.9
1 JAN 1455	36	0.	.0	120.0	*	1 JAN 2315	136	0.	.0	120.0	*	2 JAN 0735	236	6.	.1	120.8

1 JAN	1500	37	0.	.0	120.0	*	1 JAN	2320	137	0.	.0	120.0	*	2 JAN 0740 237	6.	.1	120.8
1 JAN	1505	38	0.	.0	120.0	*	1 JAN	2325	138	0.	.0	120.0	*	2 JAN 0745 238	6.	.0	120.8
1 JAN	1510	39	0.	.0	120.0	*	1 JAN	2330	139	0.	.0	120.0	*	2 JAN 0750 239	6.	.0	120.8
1 JAN	1515	40	0.	.0	120.0	*	1 JAN	2335	140	0.	.0	120.0	*	2 JAN 0755 240	6.	.0	120.8
1 JAN	1520	41	0.	.0	120.0	*	1 JAN	2340	141	0.	.0	120.0	*	2 JAN 0800 241	6.	.0	120.8
1 JAN	1525	42	0.	.0	120.0	*	1 JAN	2345	142	0.	.0	120.0	*	2 JAN 0805 242	6.	.0	120.8
1 JAN	1530	43	0.	.0	120.0	*	1 JAN	2350	143	0.	.0	120.0	*	2 JAN 0810 243	5.	.0	120.7
1 JAN	1535	44	0.	.0	120.0	*	1 JAN	2355	144	0.	.0	120.0	*	2 JAN 0815 244	5.	.0	120.7
1 JAN	1540	45	0.	.0	120.0	*	2 JAN	0000	145	0.	.0	120.0	*	2 JAN 0820 245	5.	.0	120.7
1 JAN	1545	46	0.	.0	120.0	*	2 JAN	0005	146	0.	.0	120.0	*	2 JAN 0825 246	5.	.0	120.7
1 JAN	1550	47	0.	.0	120.0	*	2 JAN	0010	147	0.	.0	120.0	*	2 JAN 0830 247	5.	.0	120.7
1 JAN	1555	48	0.	.0	120.0	*	2 JAN	0015	148	0.	.0	120.0	*	2 JAN 0835 248	5.	.0	120.7
1 JAN	1600	49	0.	.0	120.0	*	2 JAN	0020	149	0.	.0	120.0	*	2 JAN 0840 249	5.	.0	120.7
1 JAN	1605	50	0.	.0	120.0	*	2 JAN	0025	150	0.	.0	120.0	*	2 JAN 0845 250	5.	.0	120.7
1 JAN	1610	51	0.	.0	120.0	*	2 JAN	0030	151	0.	.0	120.0	*	2 JAN 0850 251	5.	.0	120.7
1 JAN	1615	52	0.	.0	120.0	*	2 JAN	0035	152	0.	.0	120.0	*	2 JAN 0855 252	4.	.0	120.6
1 JAN	1620	53	0.	.0	120.0	*	2 JAN	0040	153	0.	.0	120.0	*	2 JAN 0900 253	4.	.0	120.6
1 JAN	1625	54	0.	.0	120.0	*	2 JAN	0045	154	0.	.0	120.0	*	2 JAN 0905 254	4.	.0	120.6
1 JAN	1630	55	0.	.0	120.0	*	2 JAN	0050	155	0.	.0	120.0	*	2 JAN 0910 255	4.	.0	120.6
1 JAN	1635	56	0.	.0	120.0	*	2 JAN	0055	156	0.	.0	120.0	*	2 JAN 0915 256	4.	.0	120.6
1 JAN	1640	57	0.	.0	120.0	*	2 JAN	0100	157	0.	.0	120.0	*	2 JAN 0920 257	4.	.0	120.6
1 JAN	1645	58	0.	.0	120.0	*	2 JAN	0105	158	0.	.0	120.0	*	2 JAN 0925 258	4.	.0	120.6
1 JAN	1650	59	0.	.0	120.0	*	2 JAN	0110	159	0.	.0	120.0	*	2 JAN 0930 259	4.	.0	120.6
1 JAN	1655	60	0.	.0	120.0	*	2 JAN	0115	160	0.	.0	120.0	*	2 JAN 0935 260	4.	.0	120.6
1 JAN	1700	61	0.	.0	120.0	*	2 JAN	0120	161	0.	.0	120.0	*	2 JAN 0940 261	4.	.0	120.6
1 JAN	1705	62	0.	.0	120.0	*	2 JAN	0125	162	0.	.0	120.0	*	2 JAN 0945 262	4.	.0	120.6
1 JAN	1710	63	0.	.0	120.0	*	2 JAN	0130	163	0.	.0	120.0	*	2 JAN 0950 263	4.	.0	120.6
1 JAN	1715	64	0.	.0	120.0	*	2 JAN	0135	164	0.	.0	120.0	*	2 JAN 0955 264	4.	.0	120.6
1 JAN	1720	65	0.	.0	120.0	*	2 JAN	0140	165	0.	.0	120.0	*	2 JAN 1000 265	4.	.0	120.6
1 JAN	1725	66	0.	.0	120.0	*	2 JAN	0145	166	0.	.0	120.0	*	2 JAN 1005 266	4.	.0	120.6
1 JAN	1730	67	0.	.0	120.0	*	2 JAN	0150	167	0.	.0	120.0	*	2 JAN 1010 267	4.	.0	120.6
1 JAN	1735	68	0.	.0	120.0	*	2 JAN	0155	168	0.	.0	120.0	*	2 JAN 1015 268	4.	.0	120.6
1 JAN	1740	69	0.	.0	120.0	*	2 JAN	0200	169	0.	.0	120.0	*	2 JAN 1020 269	4.	.0	120.6
1 JAN	1745	70	0.	.0	120.0	*	2 JAN	0205	170	0.	.0	120.0	*	2 JAN 1025 270	4.	.0	120.6
1 JAN	1750	71	0.	.0	120.0	*	2 JAN	0210	171	0.	.0	120.0	*	2 JAN 1030 271	4.	.0	120.6
1 JAN	1755	72	0.	.0	120.0	*	2 JAN	0215	172	0.	.0	120.0	*	2 JAN 1035 272	4.	.0	120.6
1 JAN	1800	73	0.	.0	120.0	*	2 JAN	0220	173	0.	.0	120.0	*	2 JAN 1040 273	4.	.0	120.6
1 JAN	1805	74	0.	.0	120.0	*	2 JAN	0225	174	0.	.0	120.0	*	2 JAN 1045 274	4.	.0	120.6
1 JAN	1810	75	0.	.0	120.0	*	2 JAN	0230	175	0.	.0	120.0	*	2 JAN 1050 275	4.	.0	120.6
1 JAN	1815	76	0.	.0	120.0	*	2 JAN	0235	176	0.	.0	120.1	*	2 JAN 1055 276	4.	.0	120.6
1 JAN	1820	77	0.	.0	120.0	*	2 JAN	0240	177	0.	.0	120.1	*	2 JAN 1100 277	4.	.0	120.6
1 JAN	1825	78	0.	.0	120.0	*	2 JAN	0245	178	0.	.0	120.1	*	2 JAN 1105 278	4.	.0	120.6
1 JAN	1830	79	0.	.0	120.0	*	2 JAN	0250	179	0.	.0	120.1	*	2 JAN 1110 279	4.	.0	120.6
1 JAN	1835	80	0.	.0	120.0	*	2 JAN	0255	180	0.	.0	120.1	*	2 JAN 1115 280	4.	.0	120.6
1 JAN	1840	81	0.	.0	120.0	*	2 JAN	0300	181	1.	.0	120.2	*	2 JAN 1120 281	4.	.0	120.6
1 JAN	1845	82	0.	.0	120.0	*	2 JAN	0305	182	1.	.0	120.2	*	2 JAN 1125 282	4.	.0	120.6
1 JAN	1850	83	0.	.0	120.0	*	2 JAN	0310	183	1.	.0	120.2	*	2 JAN 1130 283	4.	.0	120.6
1 JAN	1855	84	0.	.0	120.0	*	2 JAN	0315	184	1.	.0	120.3	*	2 JAN 1135 284	4.	.0	120.6
1 JAN	1900	85	0.	.0	120.0	*	2 JAN	0320	185	1.	.0	120.3	*	2 JAN 1140 285	4.	.0	120.6
1 JAN	1905	86	0.	.0	120.0	*	2 JAN	0325	186	2.	.0	120.3	*	2 JAN 1145 286	4.	.0	120.6
1 JAN	1910	87	0.	.0	120.0	*	2 JAN	0330	187	2.	.0	120.4	*	2 JAN 1150 287	4.	.0	120.6
1 JAN	1915	88	0.	.0	120.0	*	2 JAN	0335	188	3.	.0	120.4	*	2 JAN 1155 288	4.	.0	120.6
1 JAN	1920	89	0.	.0	120.0	*	2 JAN	0340	189	3.	.0	120.5	*	2 JAN 1200 289	4.	.0	120.5
1 JAN	1925	90	0.	.0	120.0	*	2 JAN	0345	190	4.	.0	120.6	*	2 JAN 1205 290	3.	.0	120.5
1 JAN	1930	91	0.	.0	120.0	*	2 JAN	0350	191	5.	.0	120.7	*	2 JAN 1210 291	3.	.0	120.5
1 JAN	1935	92	0.	.0	120.0	*	2 JAN	0355	192	6.	.0	120.8	*	2 JAN 1215 292	3.	.0	120.5
1 JAN	1940	93	0.	.0	120.0	*	2 JAN	0400	193	10.	.1	121.1	*	2 JAN 1220 293	3.	.0	120.5
1 JAN	1945	94	0.	.0	120.0	*	2 JAN	0405	194	13.	.1	121.4	*	2 JAN 1225 294	3.	.0	120.5
1 JAN	1950	95	0.	.0	120.0	*	2 JAN	0410	195	12.	.1	121.3	*	2 JAN 1230 295	3.	.0	120.5
1 JAN	1955	96	0.	.0	120.0	*	2 JAN	0415	196	11.	.1	121.2	*	2 JAN 1235 296	3.	.0	120.5

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 1 JAN 2000  97       0.       .0   120.0 *  2 JAN 0420 197      11.       .1   121.3 *  2 JAN 1240 297       3.       .0   120.4
 1 JAN 2005  98       0.       .0   120.0 *  2 JAN 0425 198      12.       .1   121.3 *  2 JAN 1245 298       3.       .0   120.4
 1 JAN 2010  99       0.       .0   120.0 *  2 JAN 0430 199      13.       .1   121.4 *  2 JAN 1250 299       2.       .0   120.4
 1 JAN 2015 100       0.       .0   120.0 *  2 JAN 0435 200      14.       .1   121.5 *  2 JAN 1255 300       2.       .0   120.4
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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
   (CFS)       (HR)                   6-HR       24-HR       72-HR     24.92-HR
     15.      16.83        (CFS)       9.          3.          3.          3.
                         (INCHES)    .307        .383        .383        .383
                          (AC-FT)      4.          5.          5.          5.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
  (AC-FT)      (HR)                   6-HR       24-HR       72-HR     24.92-HR
      0.      16.75                    0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
   (FEET)      (HR)                   6-HR       24-HR       72-HR     24.92-HR
   121.58      16.83                121.02      120.34      120.33      120.33

                         CUMULATIVE AREA =     .26 SQ MI


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280 KK      *  11_CON4  *
            *           *
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                         BASIN 11 DRAINING TO CONNECTION 4

              SUBBASIN RUNOFF DATA

282 BA          SUBBASIN CHARACTERISTICS
                      TAREA          .04  SUBBASIN AREA

                PRECIPITATION DATA

 40 PB                STORM        2.49  BASIN TOTAL PRECIPITATION

 40 PI            INCREMENTAL PRECIPITATION PATTERN
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .01       .01       .01       .01       .01       .01       .01       .01       .01
                      .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
                      .01       .01       .01       .01       .01       .01       .01       .01       .01       .01
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.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.02	.02	.02	.02	.02	.02	.02
.02	.02	.02	.03	.03	.03	.03	.04	.05	.07
.10	.35	.06	.04	.03	.02	.02	.02	.02	.02
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00			

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283 LS          SCS LOSS RATE
                     STRTL        .82  INITIAL ABSTRACTION
                    CRVNBR      71.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

284 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .13  LAG

                                                    ***

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

                                          UNIT HYDROGRAPH
                                     10 END-OF-PERIOD ORDINATES
            48.     111.     83.     36.     17.      8.      4.      2.      1.      0.
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****

HYDROGRAPH AT STATION 11_CON4

****

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

1 JAN 1340	21	.00	.00	.00	0.	*	2 JAN 0210	171	.01	.01	.00	0.
1 JAN 1345	22	.00	.00	.00	0.	*	2 JAN 0215	172	.01	.01	.00	0.
1 JAN 1350	23	.00	.00	.00	0.	*	2 JAN 0220	173	.01	.01	.00	0.
1 JAN 1355	24	.00	.00	.00	0.	*	2 JAN 0225	174	.01	.01	.00	0.
1 JAN 1400	25	.00	.00	.00	0.	*	2 JAN 0230	175	.02	.01	.00	0.
1 JAN 1405	26	.00	.00	.00	0.	*	2 JAN 0235	176	.02	.01	.00	0.
1 JAN 1410	27	.00	.00	.00	0.	*	2 JAN 0240	177	.02	.02	.00	0.
1 JAN 1415	28	.00	.00	.00	0.	*	2 JAN 0245	178	.02	.02	.00	0.
1 JAN 1420	29	.00	.00	.00	0.	*	2 JAN 0250	179	.02	.02	.00	0.
1 JAN 1425	30	.00	.00	.00	0.	*	2 JAN 0255	180	.02	.02	.00	0.
1 JAN 1430	31	.00	.00	.00	0.	*	2 JAN 0300	181	.02	.02	.00	0.
1 JAN 1435	32	.00	.00	.00	0.	*	2 JAN 0305	182	.02	.02	.00	0.
1 JAN 1440	33	.00	.00	.00	0.	*	2 JAN 0310	183	.02	.02	.00	1.
1 JAN 1445	34	.00	.00	.00	0.	*	2 JAN 0315	184	.02	.02	.00	1.
1 JAN 1450	35	.00	.00	.00	0.	*	2 JAN 0320	185	.03	.02	.00	1.
1 JAN 1455	36	.00	.00	.00	0.	*	2 JAN 0325	186	.03	.02	.00	1.
1 JAN 1500	37	.00	.00	.00	0.	*	2 JAN 0330	187	.03	.03	.00	1.
1 JAN 1505	38	.00	.00	.00	0.	*	2 JAN 0335	188	.03	.03	.01	1.
1 JAN 1510	39	.00	.00	.00	0.	*	2 JAN 0340	189	.04	.03	.01	2.
1 JAN 1515	40	.00	.00	.00	0.	*	2 JAN 0345	190	.05	.04	.01	2.
1 JAN 1520	41	.00	.00	.00	0.	*	2 JAN 0350	191	.07	.05	.01	3.
1 JAN 1525	42	.00	.00	.00	0.	*	2 JAN 0355	192	.10	.07	.02	4.
1 JAN 1530	43	.00	.00	.00	0.	*	2 JAN 0400	193	.35	.24	.11	9.
1 JAN 1535	44	.00	.00	.00	0.	*	2 JAN 0405	194	.06	.04	.02	16.
1 JAN 1540	45	.00	.00	.00	0.	*	2 JAN 0410	195	.04	.02	.01	13.
1 JAN 1545	46	.00	.00	.00	0.	*	2 JAN 0415	196	.03	.02	.01	8.
1 JAN 1550	47	.00	.00	.00	0.	*	2 JAN 0420	197	.02	.01	.01	6.
1 JAN 1555	48	.00	.00	.00	0.	*	2 JAN 0425	198	.02	.01	.01	4.
1 JAN 1600	49	.00	.00	.00	0.	*	2 JAN 0430	199	.02	.01	.01	3.
1 JAN 1605	50	.00	.00	.00	0.	*	2 JAN 0435	200	.02	.01	.01	3.
1 JAN 1610	51	.00	.00	.00	0.	*	2 JAN 0440	201	.02	.01	.01	2.
1 JAN 1615	52	.00	.00	.00	0.	*	2 JAN 0445	202	.01	.01	.01	2.
1 JAN 1620	53	.00	.00	.00	0.	*	2 JAN 0450	203	.01	.01	.01	2.
1 JAN 1625	54	.00	.00	.00	0.	*	2 JAN 0455	204	.01	.01	.01	2.
1 JAN 1630	55	.00	.00	.00	0.	*	2 JAN 0500	205	.01	.01	.01	2.
1 JAN 1635	56	.00	.00	.00	0.	*	2 JAN 0505	206	.01	.01	.00	2.
1 JAN 1640	57	.00	.00	.00	0.	*	2 JAN 0510	207	.01	.01	.00	2.
1 JAN 1645	58	.00	.00	.00	0.	*	2 JAN 0515	208	.01	.01	.00	2.
1 JAN 1650	59	.00	.00	.00	0.	*	2 JAN 0520	209	.01	.01	.00	1.
1 JAN 1655	60	.00	.00	.00	0.	*	2 JAN 0525	210	.01	.01	.00	1.
1 JAN 1700	61	.00	.00	.00	0.	*	2 JAN 0530	211	.01	.01	.00	1.
1 JAN 1705	62	.00	.00	.00	0.	*	2 JAN 0535	212	.01	.01	.00	1.
1 JAN 1710	63	.00	.00	.00	0.	*	2 JAN 0540	213	.01	.01	.00	1.
1 JAN 1715	64	.00	.00	.00	0.	*	2 JAN 0545	214	.01	.00	.00	1.
1 JAN 1720	65	.00	.00	.00	0.	*	2 JAN 0550	215	.01	.00	.00	1.
1 JAN 1725	66	.00	.00	.00	0.	*	2 JAN 0555	216	.01	.00	.00	1.
1 JAN 1730	67	.00	.00	.00	0.	*	2 JAN 0600	217	.01	.00	.00	1.
1 JAN 1735	68	.00	.00	.00	0.	*	2 JAN 0605	218	.01	.00	.00	1.
1 JAN 1740	69	.00	.00	.00	0.	*	2 JAN 0610	219	.01	.00	.00	1.
1 JAN 1745	70	.00	.00	.00	0.	*	2 JAN 0615	220	.01	.00	.00	1.
1 JAN 1750	71	.00	.00	.00	0.	*	2 JAN 0620	221	.01	.00	.00	1.
1 JAN 1755	72	.00	.00	.00	0.	*	2 JAN 0625	222	.01	.00	.00	1.
1 JAN 1800	73	.00	.00	.00	0.	*	2 JAN 0630	223	.01	.00	.00	1.
1 JAN 1805	74	.00	.00	.00	0.	*	2 JAN 0635	224	.01	.00	.00	1.
1 JAN 1810	75	.00	.00	.00	0.	*	2 JAN 0640	225	.01	.00	.00	1.
1 JAN 1815	76	.00	.00	.00	0.	*	2 JAN 0645	226	.01	.00	.00	1.
1 JAN 1820	77	.00	.00	.00	0.	*	2 JAN 0650	227	.01	.00	.00	1.
1 JAN 1825	78	.00	.00	.00	0.	*	2 JAN 0655	228	.01	.00	.00	1.
1 JAN 1830	79	.00	.00	.00	0.	*	2 JAN 0700	229	.01	.00	.00	1.
1 JAN 1835	80	.00	.00	.00	0.	*	2 JAN 0705	230	.01	.00	.00	1.

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

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

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

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

                        CUMULATIVE AREA =     .04 SQ MI


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


          *************
          *           *
285 KK    *  MAIN_4EN *     D
          *           *
          *************

286 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                      IPNCH          0  PUNCH COMPUTED HYDROGRAPH
                       IOUT         21  SAVE HYDROGRAPH ON THIS UNIT
                      ISAV1          1  FIRST ORDINATE PUNCHED OR SAVED
                      ISAV2        300  LAST ORDINATE PUNCHED OR SAVED
                     TIMINT       .083  TIME INTERVAL IN HOURS

                         Q IN MAIN LINE AFTER CONFLUENCE WITH CONNECTION 4

288 HC          HYDROGRAPH COMBINATION
                      ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE

                                                   ***

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

                                        HYDROGRAPH AT STATION MAIN_4EN
                                             SUM OF  2 HYDROGRAPHS

*****************************************************************************************************************
                                 *                                 *                                 *
  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW
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			*				*				*					
1 JAN 1200	1	0.	*	1 JAN 1815	76	0.	*	2 JAN 0030	151	0.	*	2 JAN 0645	226	9.
1 JAN 1205	2	0.	*	1 JAN 1820	77	0.	*	2 JAN 0035	152	0.	*	2 JAN 0650	227	9.
1 JAN 1210	3	0.	*	1 JAN 1825	78	0.	*	2 JAN 0040	153	0.	*	2 JAN 0655	228	9.
1 JAN 1215	4	0.	*	1 JAN 1830	79	0.	*	2 JAN 0045	154	0.	*	2 JAN 0700	229	9.
1 JAN 1220	5	0.	*	1 JAN 1835	80	0.	*	2 JAN 0050	155	0.	*	2 JAN 0705	230	8.
1 JAN 1225	6	0.	*	1 JAN 1840	81	0.	*	2 JAN 0055	156	0.	*	2 JAN 0710	231	8.
1 JAN 1230	7	0.	*	1 JAN 1845	82	0.	*	2 JAN 0100	157	0.	*	2 JAN 0715	232	8.
1 JAN 1235	8	0.	*	1 JAN 1850	83	0.	*	2 JAN 0105	158	0.	*	2 JAN 0720	233	8.
1 JAN 1240	9	0.	*	1 JAN 1855	84	0.	*	2 JAN 0110	159	0.	*	2 JAN 0725	234	8.
1 JAN 1245	10	0.	*	1 JAN 1900	85	0.	*	2 JAN 0115	160	0.	*	2 JAN 0730	235	7.
1 JAN 1250	11	0.	*	1 JAN 1905	86	0.	*	2 JAN 0120	161	0.	*	2 JAN 0735	236	7.
1 JAN 1255	12	0.	*	1 JAN 1910	87	0.	*	2 JAN 0125	162	0.	*	2 JAN 0740	237	7.
1 JAN 1300	13	0.	*	1 JAN 1915	88	0.	*	2 JAN 0130	163	0.	*	2 JAN 0745	238	7.
1 JAN 1305	14	0.	*	1 JAN 1920	89	0.	*	2 JAN 0135	164	0.	*	2 JAN 0750	239	7.
1 JAN 1310	15	0.	*	1 JAN 1925	90	0.	*	2 JAN 0140	165	0.	*	2 JAN 0755	240	6.
1 JAN 1315	16	0.	*	1 JAN 1930	91	0.	*	2 JAN 0145	166	0.	*	2 JAN 0800	241	6.
1 JAN 1320	17	0.	*	1 JAN 1935	92	0.	*	2 JAN 0150	167	0.	*	2 JAN 0805	242	6.
1 JAN 1325	18	0.	*	1 JAN 1940	93	0.	*	2 JAN 0155	168	0.	*	2 JAN 0810	243	6.
1 JAN 1330	19	0.	*	1 JAN 1945	94	0.	*	2 JAN 0200	169	0.	*	2 JAN 0815	244	6.
1 JAN 1335	20	0.	*	1 JAN 1950	95	0.	*	2 JAN 0205	170	0.	*	2 JAN 0820	245	6.
1 JAN 1340	21	0.	*	1 JAN 1955	96	0.	*	2 JAN 0210	171	0.	*	2 JAN 0825	246	6.
1 JAN 1345	22	0.	*	1 JAN 2000	97	0.	*	2 JAN 0215	172	0.	*	2 JAN 0830	247	5.
1 JAN 1350	23	0.	*	1 JAN 2005	98	0.	*	2 JAN 0220	173	0.	*	2 JAN 0835	248	5.
1 JAN 1355	24	0.	*	1 JAN 2010	99	0.	*	2 JAN 0225	174	0.	*	2 JAN 0840	249	5.
1 JAN 1400	25	0.	*	1 JAN 2015	100	0.	*	2 JAN 0230	175	0.	*	2 JAN 0845	250	5.
1 JAN 1405	26	0.	*	1 JAN 2020	101	0.	*	2 JAN 0235	176	0.	*	2 JAN 0850	251	5.
1 JAN 1410	27	0.	*	1 JAN 2025	102	0.	*	2 JAN 0240	177	0.	*	2 JAN 0855	252	5.
1 JAN 1415	28	0.	*	1 JAN 2030	103	0.	*	2 JAN 0245	178	1.	*	2 JAN 0900	253	5.
1 JAN 1420	29	0.	*	1 JAN 2035	104	0.	*	2 JAN 0250	179	1.	*	2 JAN 0905	254	5.
1 JAN 1425	30	0.	*	1 JAN 2040	105	0.	*	2 JAN 0255	180	1.	*	2 JAN 0910	255	5.
1 JAN 1430	31	0.	*	1 JAN 2045	106	0.	*	2 JAN 0300	181	1.	*	2 JAN 0915	256	5.
1 JAN 1435	32	0.	*	1 JAN 2050	107	0.	*	2 JAN 0305	182	1.	*	2 JAN 0920	257	5.
1 JAN 1440	33	0.	*	1 JAN 2055	108	0.	*	2 JAN 0310	183	1.	*	2 JAN 0925	258	5.
1 JAN 1445	34	0.	*	1 JAN 2100	109	0.	*	2 JAN 0315	184	2.	*	2 JAN 0930	259	5.
1 JAN 1450	35	0.	*	1 JAN 2105	110	0.	*	2 JAN 0320	185	2.	*	2 JAN 0935	260	5.
1 JAN 1455	36	0.	*	1 JAN 2110	111	0.	*	2 JAN 0325	186	3.	*	2 JAN 0940	261	5.
1 JAN 1500	37	0.	*	1 JAN 2115	112	0.	*	2 JAN 0330	187	3.	*	2 JAN 0945	262	5.
1 JAN 1505	38	0.	*	1 JAN 2120	113	0.	*	2 JAN 0335	188	4.	*	2 JAN 0950	263	5.
1 JAN 1510	39	0.	*	1 JAN 2125	114	0.	*	2 JAN 0340	189	5.	*	2 JAN 0955	264	5.
1 JAN 1515	40	0.	*	1 JAN 2130	115	0.	*	2 JAN 0345	190	6.	*	2 JAN 1000	265	5.
1 JAN 1520	41	0.	*	1 JAN 2135	116	0.	*	2 JAN 0350	191	7.	*	2 JAN 1005	266	5.
1 JAN 1525	42	0.	*	1 JAN 2140	117	0.	*	2 JAN 0355	192	10.	*	2 JAN 1010	267	4.
1 JAN 1530	43	0.	*	1 JAN 2145	118	0.	*	2 JAN 0400	193	19.	*	2 JAN 1015	268	4.
1 JAN 1535	44	0.	*	1 JAN 2150	119	0.	*	2 JAN 0405	194	29.	*	2 JAN 1020	269	4.
1 JAN 1540	45	0.	*	1 JAN 2155	120	0.	*	2 JAN 0410	195	25.	*	2 JAN 1025	270	4.
1 JAN 1545	46	0.	*	1 JAN 2200	121	0.	*	2 JAN 0415	196	19.	*	2 JAN 1030	271	4.
1 JAN 1550	47	0.	*	1 JAN 2205	122	0.	*	2 JAN 0420	197	17.	*	2 JAN 1035	272	4.
1 JAN 1555	48	0.	*	1 JAN 2210	123	0.	*	2 JAN 0425	198	16.	*	2 JAN 1040	273	4.
1 JAN 1600	49	0.	*	1 JAN 2215	124	0.	*	2 JAN 0430	199	16.	*	2 JAN 1045	274	4.
1 JAN 1605	50	0.	*	1 JAN 2220	125	0.	*	2 JAN 0435	200	17.	*	2 JAN 1050	275	4.
1 JAN 1610	51	0.	*	1 JAN 2225	126	0.	*	2 JAN 0440	201	17.	*	2 JAN 1055	276	4.
1 JAN 1615	52	0.	*	1 JAN 2230	127	0.	*	2 JAN 0445	202	17.	*	2 JAN 1100	277	4.
1 JAN 1620	53	0.	*	1 JAN 2235	128	0.	*	2 JAN 0450	203	17.	*	2 JAN 1105	278	4.
1 JAN 1625	54	0.	*	1 JAN 2240	129	0.	*	2 JAN 0455	204	17.	*	2 JAN 1110	279	4.
1 JAN 1630	55	0.	*	1 JAN 2245	130	0.	*	2 JAN 0500	205	16.	*	2 JAN 1115	280	4.
1 JAN 1635	56	0.	*	1 JAN 2250	131	0.	*	2 JAN 0505	206	16.	*	2 JAN 1120	281	4.
1 JAN 1640	57	0.	*	1 JAN 2255	132	0.	*	2 JAN 0510	207	16.	*	2 JAN 1125	282	4.
1 JAN 1645	58	0.	*	1 JAN 2300	133	0.	*	2 JAN 0515	208	15.	*	2 JAN 1130	283	4.
1 JAN 1650	59	0.	*	1 JAN 2305	134	0.	*	2 JAN 0520	209	15.	*	2 JAN 1135	284	4.

1 JAN 1655	60	0.	*	1 JAN 2310	135	0.	*	2 JAN 0525	210	15.	*	2 JAN 1140	285	4.
1 JAN 1700	61	0.	*	1 JAN 2315	136	0.	*	2 JAN 0530	211	14.	*	2 JAN 1145	286	4.
1 JAN 1705	62	0.	*	1 JAN 2320	137	0.	*	2 JAN 0535	212	14.	*	2 JAN 1150	287	4.
1 JAN 1710	63	0.	*	1 JAN 2325	138	0.	*	2 JAN 0540	213	13.	*	2 JAN 1155	288	4.
1 JAN 1715	64	0.	*	1 JAN 2330	139	0.	*	2 JAN 0545	214	13.	*	2 JAN 1200	289	4.
1 JAN 1720	65	0.	*	1 JAN 2335	140	0.	*	2 JAN 0550	215	13.	*	2 JAN 1205	290	4.
1 JAN 1725	66	0.	*	1 JAN 2340	141	0.	*	2 JAN 0555	216	12.	*	2 JAN 1210	291	3.
1 JAN 1730	67	0.	*	1 JAN 2345	142	0.	*	2 JAN 0600	217	12.	*	2 JAN 1215	292	3.
1 JAN 1735	68	0.	*	1 JAN 2350	143	0.	*	2 JAN 0605	218	12.	*	2 JAN 1220	293	3.
1 JAN 1740	69	0.	*	1 JAN 2355	144	0.	*	2 JAN 0610	219	11.	*	2 JAN 1225	294	3.
1 JAN 1745	70	0.	*	2 JAN 0000	145	0.	*	2 JAN 0615	220	11.	*	2 JAN 1230	295	3.
1 JAN 1750	71	0.	*	2 JAN 0005	146	0.	*	2 JAN 0620	221	11.	*	2 JAN 1235	296	3.
1 JAN 1755	72	0.	*	2 JAN 0010	147	0.	*	2 JAN 0625	222	10.	*	2 JAN 1240	297	3.
1 JAN 1800	73	0.	*	2 JAN 0015	148	0.	*	2 JAN 0630	223	10.	*	2 JAN 1245	298	3.
1 JAN 1805	74	0.	*	2 JAN 0020	149	0.	*	2 JAN 0635	224	10.	*	2 JAN 1250	299	2.
1 JAN 1810	75	0.	*	2 JAN 0025	150	0.	*	2 JAN 0640	225	10.	*	2 JAN 1255	300	2.
			*				*				*			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
29.	16.08	(CFS)	10.	3.	3.	3.
		(INCHES)	.321	.397	.397	.397
		(AC-FT)	5.	6.	6.	6.

CUMULATIVE AREA = .30 SQ MI

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	1A	1.	16.08	0.	0.	0.	.01		
ROUTED TO	RT1A	0.	16.92	0.	0.	0.	.01	1.06	16.92
HYDROGRAPH AT	1B	6.	16.17	1.	0.	0.	.03		
ROUTED TO	RT1B	0.	.00	0.	0.	0.	.03	2.36	24.92
ROUTED TO	RT1B	0.	.00	0.	0.	0.	.03	2.00	.00
HYDROGRAPH AT	1	7.	16.25	2.	0.	0.	.09		
3 COMBINED AT	1_1A	7.	16.33	2.	1.	0.	.13		
ROUTED TO	RT1	0.	.00	0.	0.	0.	.13	5.24	24.92
HYDROGRAPH AT	2	15.	16.08	2.	1.	1.	.06		
2 COMBINED AT	2_1_1A	15.	16.08	2.	1.	1.	.19		
ROUTED TO	DET_2	0.	.00	0.	0.	0.	.19	66.19	24.58
HYDROGRAPH AT	3_LINEB	7.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	4_LINEC	5.	16.00	1.	0.	0.	.02		
2 COMBINED AT	4_3	12.	16.08	1.	0.	0.	.04		
ROUTED TO	DET4_3	2.	16.50	1.	0.	0.	.04	56.05	16.50
ROUTED TO	RT_C1	2.	16.67	1.	0.	0.	.04	1.38	16.67
HYDROGRAPH AT	6	16.	16.25	3.	1.	1.	.06		
ROUTED TO	DET_6	7.	16.67	3.	1.	1.	.06	63.91	16.67
2 COMBINED AT	MAIN_1	9.	16.67	4.	1.	1.	.10		
ROUTED TO	RT_1G	9.	16.75	4.	1.	1.	.10	1.74	16.75
HYDROGRAPH AT	5_LINED	7.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	7_LINE&4	5.	16.08	1.	0.	0.	.02		
HYDROGRAPH AT	8_LINEG	4.	16.08	0.	0.	0.	.01		
3 COMBINED AT	COMBINE	16.	16.08	2.	1.	0.	.05		
ROUTED TO	D_578	3.	16.50	2.	1.	0.	.05	52.50	16.50
2 COMBINED AT	MAIN_G	12.	16.67	6.	2.	2.	.15		

ROUTED TO	RT_G3	12.	16.83	6.	2.	2.	.15	121.19	16.83
HYDROGRAPH AT	9A	7.	16.08	1.	0.	0.	.02		
ROUTED TO	DET9A	5.	16.17	1.	0.	0.	.02	54.03	16.17
HYDROGRAPH AT	9B	9.	16.08	1.	0.	0.	.03		
ROUTED TO	DET	4.	16.25	1.	0.	0.	.03	56.02	16.25
HYDROGRAPH AT	9	11.	16.17	2.	0.	0.	.04		
3 COMBINED AT	CON_2	20.	16.17	3.	1.	1.	.09		
ROUTED TO	PUMP	2.	15.67	2.	1.	1.	.09	53.12	18.83
ROUTED TO	RT_P_23	2.	16.92	2.	1.	1.	.09	121.40	17.67
HYDROGRAPH AT	10_CON3	11.	16.00	1.	0.	0.	.02		
3 COMBINED AT	MAIN_3	15.	16.00	9.	3.	3.	.26		
ROUTED TO	RT_34	15.	16.83	9.	3.	3.	.26	121.58	16.83
HYDROGRAPH AT	11_CON4	16.	16.08	2.	1.	1.	.04		
2 COMBINED AT	MAIN_4EN	29.	16.08	10.	3.	3.	.30		

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

APPENDIX D

Improved (Interim) Condition WSPGW Hydraulic Analysis

Main Line and Laterals A, B, C, D, E, F, and G

for the 5-year Storm Event

MAIN LINE INPUT

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T1 Encinitas Coast Hwy J-14413  Existing Pipe--SHORT TERM SOLUTION REVISED
T2 Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (2001)
T3 5-Year Q's from HEC-1 Analysis PRO5R1.HC1  FN: MAINRR.WSW  11-16-03
SO   1000.000    5.000  4                                11.800
WX   1000.000    5.000  3
R    1008.000    5.360  3      .013                                        .000     .000 0
JX   1012.000    5.680  3  3   .013      .001            5.680             .0          .000
R    1033.150   10.520  3      .013                                        .000     .000 0
JX   1039.670   10.600  3  3   .013      .001           10.600             .0          .000
R    1117.850   12.240  3      .013                                        .000     .000 0
R    1723.900   24.920  3      .013                                        .000     .000 0
JX   1727.900   24.930  3  3   .013      .001           24.930             .0          .000
R    2367.850   26.540  3      .013                                        .000     .000 0
R    2465.850   26.770  3      .013                                        .000     .000 0
JX   2469.850   26.790  1  1   .013    13.450           26.790            90.0          .000
R    3298.930   28.870  1      .013                                        .000     .000 0
JX   3302.940   28.880  1  1   .013      .001           28.880            90.0          .000
R    3617.850   29.670  1      .013                                        .000     .000 0
R    3721.350   29.930  1      .013                                        .000     .000 0
JX   3725.350   29.940  1  1   .013     3.150           29.940            90.0          .000
R    4201.110   31.130  1      .013                                        .000     .000 0
JX   4205.110   31.140  1  1   .013      .001           31.140             .0          .000
R    4701.110   32.370  1      .013                                        .000     .000 0
JX   4705.110   32.390  1  1   .013      .001           32.390             .0          .000
R    4867.850   32.800  1      .013                                        .000     .000 0
R    5201.110   33.640  1      .013                                        .000     .000 0
JX   5205.110   33.650  1  1   .013      .001           33.640             .0          .000
R    5701.110   34.890  1      .013                                        .000     .000 0
JX   5705.110   34.900  1  1   .013      .001           34.900             .0          .000
R    6117.850   35.940  1      .013                                        .000     .000 0
R    6201.110   36.140  1      .013                                        .000     .000 0
JX   6205.110   36.150  1  2   .013      .001           36.150            90.0          .000
R    6752.070   37.520  1      .013                                        .000     .000 0
JX   6756.070   37.530  1  1   .013      .001           37.520             .0          .000
R    7277.070   38.840  1      .013                                        .000     .000 0
JX   7281.070   38.850  1  1   .013      .001           38.840             .0          .000
R    7367.850   39.230  1      .013                                        .000     .000 0
R    7802.070   41.140  1      .013                                        .000     .000 0
JX   7806.070   41.150  1      .013     0.960           41.150            90.0          .000
R    8242.170   42.240  1      .013                                        .000     .000 0
JX   8246.170   42.250  1  2   .013     0.960           42.240             .0          .000
R    8481.270   45.210  1      .013                                        .000     .000 0
JX   8485.270   45.230  1  2   .013     7.420           45.230            90.0          .000
R    8617.850   45.710  1      .013                                        .000     .000 0
R    8789.630   46.320  1      .013                                        .000     .000 0
JX   8793.630   46.330  1  2   .013     0.960           46.330            90.0          .000
R    9240.200   47.440  1      .013                                        .000     .000 0
JX   9244.200   47.450  1  2   .013      .001           47.440             .0          .000
R    9690.650   48.570  1      .013                                        .000     .000 0
JX   9694.650   48.580  1  2   .013     0.990           48.570            90.0          .000
R    9867.850   49.000  1      .013                                        .000     .000 0
R   10142.120   49.690  1      .013                                        .000     .000 0
JX  10146.120   49.890  1  5   .013     1.000           49.79             62.0       -90.000
R   10222.120   54.540  1      .013                                        .000     .000 0
WE  10222.120   54.540  1      .5
SH  10222.120   54.540  1                                 65.100
CD   1  4   1    .000    2.000     .000   .000   .000    .00
CD   2  4   1    .000    1.500     .000   .000   .000    .00
CD   3  4   2    .000    2.000     .000   .000   .000    .00
CD   4  2   0    .000   15.00     6.000   .000   .000    .00
CD   5  4   2    .000    1.00      .000   .000   .000    .00
Q              .200    .0
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MAIN LINE OUTPUT

→ FILE: MAINRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PROSR1.HC1 FN: MAINRR.WSW 11-16-03

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
1000.000	5.000	6.800	11.800	29.10	.71	.01	11.81	.00	.90	6.00	15.000	6.000	.00	0 .
WALL EXIT														
1000.000	5.000	6.801	11.801	29.10	4.63	.33	12.13	.00	1.37	.00	2.000	.000	.00	2 .
8.000	.0450					.0041	.03	6.80	.00	.76	.013	.00	.00	PIPE
1008.000	5.360	6.474	11.834	29.10	4.63	.33	12.17	.00	1.37	.00	2.000	.000	.00	2 .
JUNCT STR	.0800					.0041	.02	6.47	.00		.013	.00	.00	PIPE
1012.000	5.680	6.170	11.850	29.10	4.63	.33	12.18	.00	1.37	.00	2.000	.000	.00	2 .
7.321	.2288					.0041	.03	6.17	.00	.50	.013	.00	.00	PIPE
1019.321	7.355	4.523	11.879	29.10	4.63	.33	12.21	.00	1.37	.00	2.000	.000	.00	2 .
HYDRAULIC JUMP														
1019.321	7.355	.644	7.999	29.10	16.66	4.31	12.31	.00	1.37	1.87	2.000	.000	.00	2 .
2.084	.2288					.0776	.16	.64	3.04	.50	.013	.00	.00	PIPE
1021.405	7.832	.664	8.496	29.10	15.94	3.95	12.44	.00	1.37	1.88	2.000	.000	.00	2 .
2.085	.2288					.0683	.14	.66	2.85	.50	.013	.00	.00	PIPE
1023.490	8.309	.688	8.998	29.10	15.20	3.59	12.58	.00	1.37	1.90	2.000	.000	.00	2 .
1.788	.2288					.0599	.11	.69	2.67	.50	.013	.00	.00	PIPE
1025.278	8.719	.712	9.431	29.10	14.49	3.26	12.69	.00	1.37	1.92	2.000	.000	.00	2 .
1.533	.2288					.0525	.08	.71	2.49	.50	.013	.00	.00	PIPE

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Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PROSR1.HC1 FN: MAINRR.WSW 11-16-03

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi

L/Elem	Ch Slope					SF Ave	HF	SE	Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
1026.811	9.069	.738	9.808	29.10	13.82	2.96	12.77	.00	1.37	1.93	2.000	.000	.00	2	.
1.332	.2288					.0460	.06	.74	2.33	.50	.013	.00	.00	PIPE	
1028.143	9.374	.764	10.138	29.10	13.17	2.69	12.83	.00	1.37	1.94	2.000	.000	.00	2	.
1.151	.2288					.0404	.05	.76	2.18	.50	.013	.00	.00	PIPE	
1029.295	9.638	.792	10.430	29.10	12.56	2.45	12.88	.00	1.37	1.96	2.000	.000	.00	2	.
1.002	.2288					.0354	.04	.79	2.03	.50	.013	.00	.00	PIPE	
1030.296	9.867	.821	10.688	29.10	11.98	2.23	12.92	.00	1.37	1.97	2.000	.000	.00	2	.
.872	.2288					.0311	.03	.82	1.90	.50	.013	.00	.00	PIPE	
1031.168	10.067	.851	10.918	29.10	11.42	2.02	12.94	.00	1.37	1.98	2.000	.000	.00	2	.
.760	.2288					.0273	.02	.85	1.77	.50	.013	.00	.00	PIPE	
1031.928	10.240	.882	11.122	29.10	10.89	1.84	12.96	.00	1.37	1.99	2.000	.000	.00	2	.
.656	.2288					.0240	.02	.88	1.65	.50	.013	.00	.00	PIPE	
1032.584	10.390	.915	11.306	29.10	10.38	1.67	12.98	.00	1.37	1.99	2.000	.000	.00	2	.
.566	.2288					.0211	.01	.92	1.54	.50	.013	.00	.00	PIPE	
1033.150	10.520	.950	11.470	29.10	9.90	1.52	12.99	.00	1.37	2.00	2.000	.000	.00	2	.
JUNCT STR	.0123					.0204	.13	.95	1.44		.013	.00	.00	PIPE	
1039.670	10.600	.933	11.533	29.10	10.12	1.59	13.12	.00	1.37	2.00	2.000	.000	.00	2	.
78.180	.0210					.0209	1.64	.93	1.49	.93	.013	.00	.00	PIPE	

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PROSR1.HC1 FN: MAINRR.WSW 11-16-03

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE	Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
1117.850	12.240	.934	13.174	29.10	10.11	1.59	14.76	.00	1.37	2.00	2.000	.000	.00	2	.
446.663	.0209					.0209	9.34	.93	1.48	.93	.013	.00	.00	PIPE	
1564.513	21.585	.934	22.519	29.10	10.11	1.59	24.11	.00	1.37	2.00	2.000	.000	.00	2	.
86.898	.0209					.0199	1.73	.93	1.48	.93	.013	.00	.00	PIPE	

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1651.411   23.403    .963   24.366   29.10   9.72   1.47   25.83    .00   1.37   2.00   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
  29.851   .0209                                   .0177     .53    .96   1.40    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1681.262   24.028    .999   25.027   29.10   9.26   1.33   26.36    .00   1.37   2.00   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
  15.307   .0209                                   .0156     .24   1.00   1.30    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1696.569   24.348   1.038   25.386   29.10   8.83   1.21   26.60    .00   1.37   2.00   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   9.727   .0209                                   .0137     .13   1.04   1.21    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1706.296   24.552   1.078   25.630   29.10   8.42   1.10   26.73    .00   1.37   1.99   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   6.583   .0209                                   .0121     .08   1.08   1.13    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1712.878   24.689   1.120   25.810   29.10   8.03   1.00   26.81    .00   1.37   1.99   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   4.492   .0209                                   .0107     .05   1.12   1.05    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1717.370   24.783   1.165   25.948   29.10   7.66    .91   26.86    .00   1.37   1.97   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   3.113   .0209                                   .0094     .03   1.17    .97    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1720.483   24.849   1.212   26.061   29.10   7.30    .83   26.89    .00   1.37   1.95   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   2.007   .0209                                   .0084     .02   1.21    .90    .93    .013     .00   .00  PIPE
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1722.490   24.891   1.262   26.153   29.10   6.96    .75   26.90    .00   1.37   1.93   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   1.064   .0209                                   .0074     .01   1.26    .83    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1723.555   24.913   1.316   26.229   29.10   6.64    .68   26.91    .00   1.37   1.90   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
    .345   .0209                                   .0066     .00   1.32    .77    .93    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1723.900   24.920   1.374   26.294   29.10   6.32    .62   26.91    .00   1.37   1.85   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
JUNCT STR  .0025                                                     1.37    .71           .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1727.900   24.930   1.374   26.304   29.10   6.32    .62   26.92    .00   1.37   1.85   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1727.900   24.930   1.474   26.404   29.10   5.86    .53   26.94    .00   1.37   1.76   2.000    .000   .00   2   .
     -|-      -|-     -|-      -|-     -|-    -|-    -|-     -|-    -|-    -|-    -|-    -|-     -|-    -|-   |-
   9.008   .0025                                   .0049     .04   1.47    .62   2.00    .013     .00   .00  PIPE
     |        |        |        |        |          |        |      |      |      |      |        |      |    |
1736.908   24.953   1.544   26.497   29.10   5.59    .49   26.98    .00   1.37   1.68   2.000    .000   .00   2   .
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      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  17.656    .0025                                                .0044     .08    1.54     .56    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
1754.564   24.997    1.622   26.619    29.10     5.33     .44   27.06     .00    1.37    1.57   2.000    .000    .00    2   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  32.867    .0025                                                .0040     .13    1.62     .50    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
1787.431   25.080    1.712   26.792    29.10     5.08     .40   27.19     .00    1.37    1.40   2.000    .000    .00    2   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  59.624    .0025                                                .0037     .22    1.71     .44    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
1847.055   25.230    1.821   27.051    29.10     4.84     .36   27.42     .00    1.37    1.14   2.000    .000    .00    2   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
 119.493    .0025                                                .0037     .45    1.82     .37    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
1966.548   25.530    2.000   27.530    29.10     4.63     .33   27.86     .00    1.37     .00   2.000    .000    .00    2   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
 401.302    .0025                                                .0040    1.61    2.00     .00    2.00    .013      .00    .00  PIPE
FILE: MAINRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                          PAGE
                        Program Package Serial Number: 1462
                                          WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:37:46
                   Encinitas Coast Hwy J-14413  Existing Pipe--SHORT TERM SOLUTION REVISED
                     Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200
                   1)  5-Year Q's from HEC-1 Analysis PROSR1.HC1  FN: MAINRR.WSW  11-16-03
*************************************************************************************************************************** *******
         | Invert  |  Depth |  Water  |    Q    |  Vel     Vel  |  Energy | Super |Critical|Flow Top|Height/|Base Wt|        |No Wth
 Station |  Elev   |  (FT)  |  Elev   |  (CFS)  |  (FPS)   Head |  Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.|  ZL    |Prs/Pi
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|
 L/Elem  |Ch Slope |        |         |         |         SF Ave|    HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall|  ZR    |Type C
*********|*********|********|*********|*********|*******|*******|*********|*******|********|********|*******|*******|*****   |******
       |        |        |        |        |                |        |        |        |        |        |        |        |
2367.850   26.540    2.650   29.190    29.10     4.63     .33   29.52     .00    1.37     .00   2.000    .000    .00    2   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  98.000    .0023                                                .0041     .41    2.65     .00    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
2465.850   26.770    2.826   29.596    29.10     4.63     .33   29.93     .00    1.37     .00   2.000    .000    .00    2   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
JUNCT STR   .0050                                                .0045     .02    2.83     .00            .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
2469.850   26.790    3.198   29.988    15.65     4.98     .39   30.37     .00    1.43     .00   2.000    .000    .00    1   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
 829.080    .0025                                                .0048    3.97    3.20     .00    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
3298.930   28.870    5.085   33.955    15.65     4.98     .39   34.34     .00    1.43     .00   2.000    .000    .00    1   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
JUNCT STR   .0025                                                .0048     .02    5.09     .00            .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
3302.940   28.880    5.095   33.975    15.65     4.98     .39   34.36     .00    1.43     .00   2.000    .000    .00    1   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
 314.910    .0025                                                .0048    1.51    5.09     .00    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
3617.850   29.670    5.811   35.481    15.65     4.98     .39   35.87     .00    1.43     .00   2.000    .000    .00    1   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
 103.500    .0025                                                .0048     .50    5.81     .00    2.00    .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
3721.350   29.930    6.046   35.976    15.65     4.98     .39   36.36     .00    1.43     .00   2.000    .000    .00    1   .
      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
JUNCT STR   .0025                                                .0039     .02    6.05     .00            .013      .00    .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
3725.350   29.940    6.331   36.271    12.50     3.98     .25   36.52     .00    1.27     .00   2.000    .000    .00    1   .
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475.760	.0025						.0031	1.45	6.33	.00	2.00	.013		.00	.00 PIPE
4201.110	31.130	6.593	37.723	12.50	3.98	.25	37.97	.00	1.27	.00	2.000	.000		.00	1 .
JUNCT STR	.0025						.0031	.01	6.59	.00		.013		.00	.00 PIPE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PROSR1.HC1 FN: MAINRR.WSW 11-16-03

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
4205.110	31.140	6.595	37.735	12.50	3.98	.25	37.98	.00	1.27	.00	2.000	.000	.00	1 .
496.000	.0025					.0031	1.51	6.60	.00	2.00	.013		.00	.00 PIPE
4701.110	32.370	6.879	39.249	12.50	3.98	.25	39.49	.00	1.27	.00	2.000	.000	.00	1 .
JUNCT STR	.0050					.0031	.01	6.88	.00		.013		.00	.00 PIPE
4705.110	32.390	6.871	39.261	12.50	3.98	.25	39.51	.00	1.27	.00	2.000	.000	.00	1 .
162.740	.0025					.0031	.50	6.87	.00	2.00	.013		.00	.00 PIPE
4867.850	32.800	6.958	39.758	12.50	3.98	.25	40.00	.00	1.27	.00	2.000	.000	.00	1 .
333.260	.0025					.0031	1.02	6.96	.00	2.00	.013		.00	.00 PIPE
5201.110	33.640	7.135	40.775	12.50	3.98	.25	41.02	.00	1.27	.00	2.000	.000	.00	1 .
JUNCT STR	.0025					.0031	.01	7.13	.00		.013		.00	.00 PIPE
5205.110	33.650	7.137	40.787	12.50	3.98	.25	41.03	.00	1.27	.00	2.000	.000	.00	1 .
496.000	.0025					.0031	1.51	7.14	.00	2.00	.013		.00	.00 PIPE
5701.110	34.890	7.410	42.300	12.50	3.98	.25	42.55	.00	1.27	.00	2.000	.000	.00	1 .
JUNCT STR	.0025					.0031	.01	7.41	.00		.013		.00	.00 PIPE
5705.110	34.900	7.412	42.312	12.49	3.98	.25	42.56	.00	1.27	.00	2.000	.000	.00	1 .
412.740	.0025					.0031	1.26	7.41	.00	2.00	.013		.00	.00 PIPE
6117.850	35.940	7.631	43.571	12.49	3.98	.25	43.82	.00	1.27	.00	2.000	.000	.00	1 .
83.260	.0024					.0031	.25	7.63	.00	2.00	.013		.00	.00 PIPE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PROSR1.HC1 FN: MAINRR.WSW 11-16-03

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
6201.110	36.140	7.685	43.825	12.49	3.98	.25	44.07	.00	1.27	.00	2.000	.000	.00	1
JUNCT STR	.0025					.0030	.01	7.69	.00		.013	.00	.00	PIPE
6205.110	36.150	7.688	43.838	12.49	3.98	.25	44.08	.00	1.27	.00	2.000	.000	.00	1
546.960	.0025					.0030	1.67	7.69	.00	2.00	.013	.00	.00	PIPE
6752.070	37.520	7.986	45.506	12.49	3.98	.25	45.75	.00	1.27	.00	2.000	.000	.00	1
JUNCT STR	.0025					.0030	.01	7.99	.00		.013	.00	.00	PIPE
6756.070	37.530	7.988	45.518	12.49	3.98	.25	45.76	.00	1.27	.00	2.000	.000	.00	1
521.000	.0025					.0030	1.59	7.99	.00	2.00	.013	.00	.00	PIPE
7277.070	38.840	8.267	47.107	12.49	3.98	.25	47.35	.00	1.27	.00	2.000	.000	.00	1
JUNCT STR	.0025					.0030	.01	8.27	.00		.013	.00	.00	PIPE
7281.070	38.850	8.269	47.119	12.49	3.98	.25	47.36	.00	1.27	.00	2.000	.000	.00	1
86.780	.0044					.0030	.26	8.27	.00	1.40	.013	.00	.00	PIPE
7367.850	39.230	8.153	47.383	12.49	3.98	.25	47.63	.00	1.27	.00	2.000	.000	.00	1
434.220	.0044					.0030	1.32	8.15	.00	1.39	.013	.00	.00	PIPE
7802.070	41.140	7.567	48.707	12.49	3.98	.25	48.95	.00	1.27	.00	2.000	.000	.00	1
JUNCT STR	.0025					.0028	.01	7.57	.00		.013	.00	.00	PIPE
7806.070	41.150	7.641	48.791	11.53	3.67	.21	49.00	.00	1.22	.00	2.000	.000	.00	1
436.100	.0025					.0026	1.13	7.64	.00	1.68	.013	.00	.00	PIPE

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
8242.170	42.240	7.684	49.924	11.53	3.67	.21	50.13	.00	1.22	.00	2.000	.000	.00	1
JUNCT STR	.0025					.0024	.01	7.68	.00		.013	.00	.00	PIPE
8246.170	42.250	7.745	49.995	10.57	3.36	.18	50.17	.00	1.16	.00	2.000	.000	.00	1

235.100	.0126					.0022	.51	7.75	.00	.90	.013		.00	.00 PIPE
8481.270	45.210	5.299	50.509	10.57	3.36	.18	50.68	.00	1.16	.00	2.000	.000	.00	1 .
JUNCT STR	.0050					.0012	.00	5.30	.00		.013		.00	.00 PIPE
8485.270	45.230	5.604	50.834	3.15	1.00	.02	50.85	.00	.62	.00	2.000	.000	.00	1 .
132.580	.0036					.0002	.03	5.60	.00	.65	.013		.00	.00 PIPE
8617.850	45.710	5.149	50.859	3.15	1.00	.02	50.88	.00	.62	.00	2.000	.000	.00	1 .
171.780	.0036					.0002	.03	5.15	.00	.66	.013		.00	.00 PIPE
8789.630	46.320	4.573	50.893	3.15	1.00	.02	50.91	.00	.62	.00	2.000	.000	.00	1 .
JUNCT STR	.0025					.0001	.00	4.57	.00		.013		.00	.00 PIPE
8793.630	46.330	4.579	50.909	2.19	.70	.01	50.92	.00	.51	.00	2.000	.000	.00	1 .
446.570	.0025					.0001	.04	4.58	.00	.60	.013		.00	.00 PIPE
9240.200	47.440	3.511	50.951	2.19	.70	.01	50.96	.00	.51	.00	2.000	.000	.00	1 .
JUNCT STR	.0025					.0001	.00	3.51	.00		.013		.00	.00 PIPE
9244.200	47.450	3.502	50.952	2.19	.70	.01	50.96	.00	.51	.00	2.000	.000	.00	1 .
446.450	.0025					.0001	.04	3.50	.00	.60	.013		.00	.00 PIPE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PROSR1.HC1 FN: MAINRR.WSW 11-16-03

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT or I.D. / "N"	Base Wt / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
9690.650	48.570	2.424	50.994	2.19	.70	.01	51.00	.00	.51	.00	2.000	.000	.00	1 .
JUNCT STR	.0025					.0001	.00	2.42	.00		.013		.00	.00 PIPE
9694.650	48.580	2.424	51.004	1.20	.38	.00	51.01	.00	.38	.00	2.000	.000	.00	1 .
173.199	.0024					.0000	.00	2.42	.00	.44	.013		.00	.00 PIPE
9867.850	49.000	2.009	51.009	1.20	.38	.00	51.01	.00	.38	.00	2.000	.000	.00	1 .
3.728	.0025					.0000	.00	2.01	.00	.44	.013		.00	.00 PIPE
9871.577	49.009	2.000	51.009	1.20	.38	.00	51.01	.00	.38	.00	2.000	.000	.00	1 .
74.176	.0025					.0000	.00	2.00	.00	.44	.013		.00	.00 PIPE
9945.753	49.196	1.814	51.010	1.20	.40	.00	51.01	.00	.38	1.16	2.000	.000	.00	1 .

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       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  43.269    .0025                                          .0000      .00     1.81     .04     .44    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
9989.021   49.305    1.706   51.011     1.20     .42     .00    51.01     .00     .38    1.42   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  35.257    .0025                                          .0000      .00     1.71     .05     .44    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10024.280  49.394    1.618   51.012     1.20     .44     .00    51.01     .00     .38    1.57   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  31.262    .0025                                          .0000      .00     1.62     .06     .44    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10055.540  49.472    1.540   51.012     1.20     .46     .00    51.02     .00     .38    1.68   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  28.068    .0025                                          .0000      .00     1.54     .07     .44    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10083.610  49.543    1.470   51.013     1.20     .48     .00    51.02     .00     .38    1.77   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  25.678    .0025                                          .0000      .00     1.47     .07     .44    .013      .00     .00  PIPE
FILE: MAINRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                        PAGE
                    Program Package Serial Number: 1462
                                        WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:37:46
              Encinitas Coast Hwy J-14413  Existing Pipe--SHORT TERM SOLUTION REVISED
                Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200
              1)  5-Year Q's from HEC-1 Analysis PRO5R1.HC1  FN: MAINRR.WSW  11-16-03
*************************************************************************************************************************** *******
         | Invert  | Depth | Water  |   Q    | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
 Station |  Elev   |  (FT) |  Elev  |  (CFS) | (FPS)   Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.|  ZL  |Prs/Pi
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|
 L/Elem  |Ch Slope |       |        |        |       SF Ave|   HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall|  ZR  |Type C
*********|*********|*******|********|********|*******|*******|********|*******|********|********|*******|*******|***** |******
         |        |        |        |        |                |        |        |        |        |        |        |        |
10109.290  49.607    1.406   51.014     1.20     .51     .00    51.02     .00     .38    1.83   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
  24.093    .0025                                          .0000      .00     1.41     .08     .44    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10133.380  49.668    1.346   51.014     1.20     .53     .00    51.02     .00     .38    1.88   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
   8.740    .0025                                          .0000      .00     1.35     .09     .44    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10142.120  49.690    1.325   51.015     1.20     .54     .00    51.02     .01     .38    1.89   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
JUNCT STR   .0500                                          .0000      .00     1.33     .09            .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10146.120  49.890    1.131   51.021      .20     .11     .00    51.02     .00     .15    1.98   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
     .713    .0612                                          .0000      .00     1.13     .02     .09    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10146.830  49.934    1.087   51.021      .20     .11     .00    51.02     .00     .15    1.99   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
     .653    .0612                                          .0000      .00     1.09     .02     .09    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10147.490  49.974    1.047   51.021      .20     .12     .00    51.02     .00     .15    2.00   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
     .637    .0612                                          .0000      .00     1.05     .02     .09    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10148.120  50.013    1.008   51.021      .20     .13     .00    51.02     .00     .15    2.00   2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      |-
     .604    .0612                                          .0000      .00     1.01     .02     .09    .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10148.730  50.050     .971   51.021      .20     .13     .00    51.02     .00     .15    2.00   2.000     .000     .00    1   .
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       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .571    .0612                                          .0000      .00      .97      .03      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10149.300   50.085     .936   51.021      .20      .14      .00    51.02      .00      .15     2.00    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .556    .0612                                          .0000      .00      .94      .03      .09     .013      .00     .00  PIPE
FILE: MAINRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                          PAGE
                    Program Package Serial Number: 1462
                                          WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:37:46
                  Encinitas Coast Hwy J-14413  Existing Pipe--SHORT TERM SOLUTION REVISED
                    Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200
                  1)  5-Year Q's from HEC-1 Analysis PRO5R1.HC1  FN: MAINRR.WSW  11-16-03
*************************************************************************************************************************** *******
         | Invert  | Depth | Water  |    Q    | Vel      Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|       |No Wth
 Station |  Elev   |  (FT) |  Elev  |  (CFS)  | (FPS)    Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.|  ZL   |Prs/Pi
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
 L/Elem  |Ch Slope |       |        |        |         SF Ave|   HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall|  ZR   |Type C
*********|*********|*******|********|********|*******|*******|********|*******|********|********|*******|*******|*****  |******
         |         |       |        |        |                |        |       |        |        |       |       |       |
10149.850   50.118     .902   51.021      .20      .15      .00    51.02      .00      .15     1.99    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .522    .0612                                          .0000      .00      .90      .03      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10150.380   50.150     .870   51.021      .20      .15      .00    51.02      .00      .15     1.98    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .506    .0612                                          .0000      .00      .87      .03      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10150.880   50.181     .839   51.021      .20      .16      .00    51.02      .00      .15     1.97    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .489    .0612                                          .0000      .00      .84      .04      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10151.370   50.211     .809   51.021      .20      .17      .00    51.02      .00      .15     1.96    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .457    .0612                                          .0000      .00      .81      .04      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10151.830   50.239     .781   51.020      .20      .18      .00    51.02      .00      .15     1.95    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .440    .0612                                          .0000      .00      .78      .04      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10152.270   50.266     .754   51.020      .20      .18      .00    51.02      .00      .15     1.94    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .424    .0612                                          .0000      .00      .75      .04      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10152.690   50.292     .728   51.020      .20      .19      .00    51.02      .00      .15     1.92    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .408    .0612                                          .0000      .00      .73      .05      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10153.100   50.317     .703   51.020      .20      .20      .00    51.02      .00      .15     1.91    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .407    .0612                                          .0000      .00      .70      .05      .09     .013      .00     .00  PIPE
       |        |        |        |        |                |        |        |        |        |        |        |        |
10153.510   50.342     .678   51.020      .20      .21      .00    51.02      .00      .15     1.89    2.000     .000     .00    1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .375    .0612                                          .0000      .00      .68      .05      .09     .013      .00     .00  PIPE
FILE: MAINRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                          PAGE
                    Program Package Serial Number: 1462
                                          WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:37:46
                  Encinitas Coast Hwy J-14413  Existing Pipe--SHORT TERM SOLUTION REVISED
                    Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200
                  1)  5-Year Q's from HEC-1 Analysis PRO5R1.HC1  FN: MAINRR.WSW  11-16-03
```

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
10153.880	50.365	.655	51.020	.20	.22	.00	51.02	.00	.15	1.88	2.000	.000	.00	1
.358	.0612					.0000	.00	.66	.06	.09	.013	.00	.00	PIPE
10154.240	50.387	.633	51.020	.20	.23	.00	51.02	.00	.15	1.86	2.000	.000	.00	1
.358	.0612					.0000	.00	.63	.06	.09	.013	.00	.00	PIPE
10154.600	50.409	.611	51.020	.20	.25	.00	51.02	.00	.15	1.84	2.000	.000	.00	1
.325	.0612					.0000	.00	.61	.07	.09	.013	.00	.00	PIPE
10154.930	50.429	.591	51.020	.20	.26	.00	51.02	.00	.15	1.83	2.000	.000	.00	1
.325	.0612					.0000	.00	.59	.07	.09	.013	.00	.00	PIPE
10155.250	50.449	.571	51.020	.20	.27	.00	51.02	.00	.15	1.81	2.000	.000	.00	1
.309	.0612					.0000	.00	.57	.07	.09	.013	.00	.00	PIPE
10155.560	50.468	.552	51.020	.20	.28	.00	51.02	.00	.15	1.79	2.000	.000	.00	1
.309	.0612					.0000	.00	.55	.08	.09	.013	.00	.00	PIPE
10155.870	50.487	.533	51.020	.20	.30	.00	51.02	.00	.15	1.77	2.000	.000	.00	1
.292	.0612					.0000	.00	.53	.08	.09	.013	.00	.00	PIPE
10156.160	50.504	.515	51.020	.20	.31	.00	51.02	.00	.15	1.75	2.000	.000	.00	1
.275	.0612					.0000	.00	.52	.09	.09	.013	.00	.00	PIPE
10156.440	50.521	.498	51.019	.20	.33	.00	51.02	.00	.15	1.73	2.000	.000	.00	1
.259	.0612					.0000	.00	.50	.10	.09	.013	.00	.00	PIPE

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
10156.690	50.537	.482	51.019	.20	.34	.00	51.02	.00	.15	1.71	2.000	.000	.00	1
.259	.0612					.0001	.00	.48	.10	.09	.013	.00	.00	PIPE
10156.950	50.553	.466	51.019	.20	.36	.00	51.02	.00	.15	1.69	2.000	.000	.00	1

.259	.0612					.0001	.00	.47	.11	.09	.013	.00	.00	PIPE
10157.210	50.569	.450	51.019	.20	.38	.00	51.02	.00	.15	1.67	2.000	.000	.00	1
.242	.0612					.0001	.00	.45	.12	.09	.013	.00	.00	PIPE
10157.450	50.584	.435	51.019	.20	.40	.00	51.02	.00	.15	1.65	2.000	.000	.00	1
.226	.0612					.0001	.00	.44	.13	.09	.013	.00	.00	PIPE
10157.680	50.597	.421	51.018	.20	.41	.00	51.02	.00	.15	1.63	2.000	.000	.00	1
.225	.0612					.0001	.00	.42	.13	.09	.013	.00	.00	PIPE
10157.900	50.611	.407	51.018	.20	.43	.00	51.02	.00	.15	1.61	2.000	.000	.00	1
.208	.0612					.0001	.00	.41	.14	.09	.013	.00	.00	PIPE
10158.110	50.624	.394	51.018	.20	.46	.00	51.02	.00	.15	1.59	2.000	.000	.00	1
.208	.0612					.0001	.00	.39	.15	.09	.013	.00	.00	PIPE
10158.320	50.637	.381	51.018	.20	.48	.00	51.02	.00	.15	1.57	2.000	.000	.00	1
.190	.0612					.0001	.00	.38	.16	.09	.013	.00	.00	PIPE
10158.510	50.648	.369	51.017	.20	.50	.00	51.02	.00	.15	1.55	2.000	.000	.00	1
.190	.0612					.0002	.00	.37	.17	.09	.013	.00	.00	PIPE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PRO5R1.HC1 FN: MAINRR.WSW 11-16-03

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
10158.700	50.660	.357	51.017	.20	.53	.00	51.02	.00	.15	1.53	2.000	.000	.00	1
.189	.0612					.0002	.00	.36	.19	.09	.013	.00	.00	PIPE
10158.890	50.671	.345	51.017	.20	.55	.00	51.02	.00	.15	1.51	2.000	.000	.00	1
.173	.0612					.0002	.00	.35	.20	.09	.013	.00	.00	PIPE
10159.060	50.682	.334	51.016	.20	.58	.01	51.02	.00	.15	1.49	2.000	.000	.00	1
.172	.0612					.0002	.00	.33	.21	.09	.013	.00	.00	PIPE
10159.240	50.692	.323	51.016	.20	.61	.01	51.02	.00	.15	1.47	2.000	.000	.00	1
.171	.0612					.0003	.00	.32	.23	.09	.013	.00	.00	PIPE
10159.410	50.703	.312	51.015	.20	.64	.01	51.02	.00	.15	1.45	2.000	.000	.00	1

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       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .154    .0612                                                .0003      .00      .31      .24      .09     .013      .00     .00 PIPE
       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
10159.560   50.712    .302   51.014     .20     .67     .01   51.02      .00      .15     1.43    2.000     .000     .00   1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .153    .0612                                                .0003      .00      .30      .26      .09     .013      .00     .00 PIPE
       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
10159.710   50.722    .292   51.014     .20     .70     .01   51.02      .00      .15     1.41    2.000     .000     .00   1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .136    .0612                                                .0004      .00      .29      .27      .09     .013      .00     .00 PIPE
       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
10159.850   50.730    .283   51.013     .20     .73     .01   51.02      .00      .15     1.39    2.000     .000     .00   1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .135    .0612                                                .0004      .00      .28      .29      .09     .013      .00     .00 PIPE
       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
10159.980   50.738    .274   51.012     .20     .77     .01   51.02      .00      .15     1.38    2.000     .000     .00   1   .
       -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .133    .0612                                                .0005      .00      .27      .31      .09     .013      .00     .00 PIPE
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1.485	.0612						.0484	.07	.09	2.82	.09	.013	.00	.00	PIPE
10218.590	54.324	.093	54.417	.20	3.76	.22	54.64	.00	.15	.84	2.000	.000	.00	1	.
.896	.0612						.0422	.04	.09	2.64	.09	.013	.00	.00	PIPE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PRO5R1.HC1 FN: MAINRR.WSW 11-16-03

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
10219.490	54.379	.096	54.475	.20	3.59	.20	54.68	.00	.15	.86	2.000	.000	.00	1 .
.622	.0612					.0368	.02	.10	2.48	.09	.013	.00	.00	PIPE
10220.110	54.417	.099	54.516	.20	3.42	.18	54.70	.00	.15	.87	2.000	.000	.00	1 .
.464	.0612					.0320	.01	.10	2.32	.09	.013	.00	.00	PIPE
10220.580	54.446	.102	54.548	.20	3.26	.17	54.71	.00	.15	.88	2.000	.000	.00	1 .
.332	.0612					.0280	.01	.10	2.18	.09	.013	.00	.00	PIPE
10220.910	54.466	.106	54.572	.20	3.11	.15	54.72	.00	.15	.90	2.000	.000	.00	1 .
.290	.0612					.0244	.01	.11	2.05	.09	.013	.00	.00	PIPE
10221.200	54.484	.109	54.593	.20	2.97	.14	54.73	.00	.15	.91	2.000	.000	.00	1 .
.211	.0612					.0213	.00	.11	1.92	.09	.013	.00	.00	PIPE
10221.410	54.497	.113	54.610	.20	2.83	.12	54.73	.00	.15	.92	2.000	.000	.00	1 .
.171	.0612					.0186	.00	.11	1.80	.09	.013	.00	.00	PIPE
10221.580	54.507	.117	54.624	.20	2.70	.11	54.74	.00	.15	.94	2.000	.000	.00	1 .
.161	.0612					.0162	.00	.12	1.69	.09	.013	.00	.00	PIPE
10221.740	54.517	.120	54.637	.20	2.57	.10	54.74	.00	.15	.95	2.000	.000	.00	1 .
.113	.0612					.0141	.00	.12	1.58	.09	.013	.00	.00	PIPE
10221.850	54.524	.124	54.648	.20	2.45	.09	54.74	.00	.15	.96	2.000	.000	.00	1 .
.092	.0612					.0123	.00	.12	1.49	.09	.013	.00	.00	PIPE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:37:46

Encinitas Coast Hwy J-14413 Existing Pipe--SHORT TERM SOLUTION REVISED

Starting WSEL in Basin 1 = 11.8 from 100-year Det. Analysis by WEST (200

1) 5-Year Q's from HEC-1 Analysis PRO5R1.HC1 FN: MAINRR.WSW 11-16-03

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
10221.950	54.529	.128	54.658	.20	2.34	.08	54.74	.00	.15	.98	2.000	.000	.00	1 .
.054	.0612					.0107	.00	.13	1.39	.09	.013	.00	.00	PIPE
10222.000	54.533	.133	54.666	.20	2.23	.08	54.74	.00	.15	1.00	2.000	.000	.00	1 .
.059	.0612					.0094	.00	.13	1.31	.09	.013	.00	.00	PIPE
10222.060	54.536	.137	54.673	.20	2.12	.07	54.74	.00	.15	1.01	2.000	.000	.00	1 .
.045	.0612					.0082	.00	.14	1.23	.09	.013	.00	.00	PIPE
10222.100	54.539	.141	54.680	.20	2.03	.06	54.74	.00	.15	1.02	2.000	.000	.00	1 .
.015	.0612					.0071	.00	.14	1.15	.09	.013	.00	.00	PIPE
WALL ENTRANCE														
10222.120	54.540	.153	54.693	.20	1.81	.05	54.74	.00	.15	1.06	2.000	.000	.00	0 .

LINE A INPUT

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T1 ENCINITAS -- COAST HIGHWAY 101            J-14413                    11-07-03 0
T2 HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                  FN: 5AJX.WSW
SO        .000  49.890  1                            54.700
R       76.000  54.540  1      .013                                   .000    .000 0
WX      76.000  54.540  2      .500
SH      76.000  54.540  2                            54.540
CD   1  4   1    .000   2.000     .000  .000  .000   .00
CD   2  4   1    .000   1.500     .000  .000  .000   .00
Q              0.200   .0
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LINE A OUTPUT

→ FILE: 5AJXRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31: 1

ENCINITAS -- COAST HIGHWAY 101 J-14413 11-07-0

HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5AJX.WSW

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
.000	49.890	4.810	54.700	.20	.06	.00	54.70	.00	.15	.00	2.000	.000	.00	1
45.927	.0612					.0000	.00	4.81	.00	.09	.013	.00	.00	PIPE
45.927	52.700	2.000	54.700	.20	.06	.00	54.70	.00	.15	.00	2.000	.000	.00	1
3.022	.0612					.0000	.00	2.00	.00	.09	.013	.00	.00	PIPE
48.949	52.885	1.814	54.699	.20	.07	.00	54.70	.00	.15	1.16	2.000	.000	.00	1
1.765	.0612					.0000	.00	1.81	.01	.09	.013	.00	.00	PIPE
50.714	52.993	1.706	54.699	.20	.07	.00	54.70	.00	.15	1.42	2.000	.000	.00	1
1.438	.0612					.0000	.00	1.71	.01	.09	.013	.00	.00	PIPE
52.153	53.081	1.618	54.699	.20	.07	.00	54.70	.00	.15	1.57	2.000	.000	.00	1
1.275	.0612					.0000	.00	1.62	.01	.09	.013	.00	.00	PIPE
53.427	53.159	1.540	54.699	.20	.08	.00	54.70	.00	.15	1.68	2.000	.000	.00	1
1.144	.0612					.0000	.00	1.54	.01	.09	.013	.00	.00	PIPE
54.571	53.229	1.470	54.699	.20	.08	.00	54.70	.00	.15	1.77	2.000	.000	.00	1
1.046	.0612					.0000	.00	1.47	.01	.09	.013	.00	.00	PIPE
55.617	53.293	1.406	54.699	.20	.08	.00	54.70	.00	.15	1.83	2.000	.000	.00	1
.980	.0612					.0000	.00	1.41	.01	.09	.013	.00	.00	PIPE
56.598	53.353	1.346	54.699	.20	.09	.00	54.70	.00	.15	1.88	2.000	.000	.00	1
.899	.0612					.0000	.00	1.35	.01	.09	.013	.00	.00	PIPE

FILE: 5AJXRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31: 1

ENCINITAS -- COAST HIGHWAY 101 J-14413 11-07-0

HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5AJX.WSW

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi

L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
57.496	53.408	1.291	54.699	.20	.09	.00	54.70	.00	.15	1.91	2.000	.000	.00	1
.850	.0612					.0000	.00	1.29	.02	.09	.013	.00	.00	PIPE
58.346	53.460	1.239	54.699	.20	.10	.00	54.70	.00	.15	1.94	2.000	.000	.00	1
.784	.0612					.0000	.00	1.24	.02	.09	.013	.00	.00	PIPE
59.130	53.508	1.191	54.699	.20	.10	.00	54.70	.00	.15	1.96	2.000	.000	.00	1
.752	.0612					.0000	.00	1.19	.02	.09	.013	.00	.00	PIPE
59.882	53.554	1.145	54.699	.20	.11	.00	54.70	.00	.15	1.98	2.000	.000	.00	1
.719	.0612					.0000	.00	1.15	.02	.09	.013	.00	.00	PIPE
60.601	53.598	1.101	54.699	.20	.11	.00	54.70	.00	.15	1.99	2.000	.000	.00	1
.670	.0612					.0000	.00	1.10	.02	.09	.013	.00	.00	PIPE
61.271	53.639	1.060	54.699	.20	.12	.00	54.70	.00	.15	2.00	2.000	.000	.00	1
.653	.0612					.0000	.00	1.06	.02	.09	.013	.00	.00	PIPE
61.924	53.679	1.020	54.699	.20	.12	.00	54.70	.00	.15	2.00	2.000	.000	.00	1
.604	.0612					.0000	.00	1.02	.02	.09	.013	.00	.00	PIPE
62.528	53.716	.983	54.699	.20	.13	.00	54.70	.00	.15	2.00	2.000	.000	.00	1
.588	.0612					.0000	.00	.98	.03	.09	.013	.00	.00	PIPE
63.116	53.752	.947	54.699	.20	.14	.00	54.70	.00	.15	2.00	2.000	.000	.00	1
.555	.0612					.0000	.00	.95	.03	.09	.013	.00	.00	PIPE

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
63.672	53.786	.913	54.699	.20	.14	.00	54.70	.00	.15	1.99	2.000	.000	.00	1
.539	.0612					.0000	.00	.91	.03	.09	.013	.00	.00	PIPE
64.211	53.819	.880	54.699	.20	.15	.00	54.70	.00	.15	1.99	2.000	.000	.00	1
.506	.0612					.0000	.00	.88	.03	.09	.013	.00	.00	PIPE

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 64.717   53.850    .849   54.699     .20    .16    .00   54.70    .00    .15   1.98   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .490    .0612                                   .0000     .00    .85    .03    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 65.206   53.880    .819   54.699     .20    .17    .00   54.70    .00    .15   1.97   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .473    .0612                                   .0000     .00    .82    .04    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 65.680   53.909    .790   54.699     .20    .17    .00   54.70    .00    .15   1.96   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .457    .0612                                   .0000     .00    .79    .04    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 66.137   53.937    .762   54.699     .20    .18    .00   54.70    .00    .15   1.94   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .424    .0612                                   .0000     .00    .76    .04    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 66.561   53.962    .736   54.699     .20    .19    .00   54.70    .00    .15   1.93   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .408    .0612                                   .0000     .00    .74    .05    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 66.969   53.987    .711   54.699     .20    .20    .00   54.70    .00    .15   1.91   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .408    .0612                                   .0000     .00    .71    .05    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 67.376   54.012    .686   54.698     .20    .21    .00   54.70    .00    .15   1.90   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .375    .0612                                   .0000     .00    .69    .05    .09    .013     .00   .00 PIPE
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        | Invert  | Depth | Water  |   Q    | Vel    Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
 Station | Elev   | (FT)  | Elev   | (CFS)  | (FPS)  Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.| ZL   |Prs/Pi
    -|-     -|-     -|-     -|-     -|-    -|-    -|-     -|-     -|-     -|-     -|-     -|-     -|-
 L/Elem |Ch Slope |        |        |        |       SF Ave|   HF   |SE Dpth|Froude N|Norm Dp | "N"  | X-Fall| ZR   |Type C
*********|*********|********|********|********|*******|*******|********|*******|********|********|*******|*******|*****|******
        |         |        |        |        |       |       |        |       |        |        |       |       |     |
 67.751   54.035    .663   54.698     .20    .22    .00   54.70    .00    .15   1.88   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .375    .0612                                   .0000     .00    .66    .06    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 68.126   54.058    .640   54.698     .20    .23    .00   54.70    .00    .15   1.87   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .358    .0612                                   .0000     .00    .64    .06    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 68.484   54.080    .618   54.698     .20    .24    .00   54.70    .00    .15   1.85   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .342    .0612                                   .0000     .00    .62    .06    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 68.826   54.101    .597   54.698     .20    .25    .00   54.70    .00    .15   1.83   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .325    .0612                                   .0000     .00    .60    .07    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
 69.152   54.121    .577   54.698     .20    .27    .00   54.70    .00    .15   1.81   2.000    .000   .00  1  .
    -|-      -|-     -|-      -|-      -|-    -|-    -|-     -|-    -|-     -|-    -|-     -|-     -|-     |-
  .309    .0612                                   .0000     .00    .58    .07    .09    .013     .00   .00 PIPE
     |        |       |        |        |              |        |      |      |      |       |       |       |
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 69.460    54.140     .558    54.698       .20     .28     .00    54.70     .00     .15    1.79    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .309     .0612                                          .0000      .00      .56     .08     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 69.769    54.159     .539    54.698       .20     .29     .00    54.70     .00     .15    1.77    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .292     .0612                                          .0000      .00      .54     .08     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 70.061    54.177     .521    54.698       .20     .31     .00    54.70     .00     .15    1.76    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .276     .0612                                          .0000      .00      .52     .09     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 70.337    54.194     .504    54.698       .20     .32     .00    54.70     .00     .15    1.74    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .275     .0612                                          .0000      .00      .50     .09     .09    .013      .00   .00 PIPE
FILE: 5AJXRR.WSW                    W S P G W - CIVILDESIGN Version 14.05                                          PAGE
                    Program Package Serial Number: 1462
                                   WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:31: 1
              ENCINITAS -- COAST HIGHWAY 101          J-14413                 11-07-0
                HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)
                  RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                FN: 5AJX.WSW
*************************************************************************************************************************
        | Invert  | Depth | Water  |   Q   | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
 Station |  Elev  |  (FT) |  Elev  | (CFS) | (FPS)   Head | Grd.El.| Elev  | Depth  | Width |Dia.-FT|or I.D.| ZL   |Prs/Pi
      -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-     -|
 L/Elem |Ch Slope |       |       |       |         SF Ave|   HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall| ZR   |Type C
*********|*********|*******|*********|*********|*******|*******|********|*******|********|********|*******|*******|*****|******
        |         |       |       |       |       |       |        |       |        |        |       |       |     |
 70.612    54.210     .487    54.697       .20     .34     .00    54.70     .00     .15    1.72    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .259     .0612                                          .0000      .00      .49     .10     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 70.871    54.226     .471    54.697       .20     .35     .00    54.70     .00     .15    1.70    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .259     .0612                                          .0001      .00      .47     .11     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 71.130    54.242     .455    54.697       .20     .37     .00    54.70     .00     .15    1.68    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .242     .0612                                          .0001      .00      .46     .12     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 71.372    54.257     .440    54.697       .20     .39     .00    54.70     .00     .15    1.66    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .225     .0612                                          .0001      .00      .44     .12     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 71.597    54.271     .426    54.697       .20     .41     .00    54.70     .00     .15    1.64    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .225     .0612                                          .0001      .00      .43     .13     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 71.822    54.284     .412    54.696       .20     .43     .00    54.70     .00     .15    1.62    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .225     .0612                                          .0001      .00      .41     .14     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 72.046    54.298     .398    54.696       .20     .45     .00    54.70     .00     .15    1.60    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .208     .0612                                          .0001      .00      .40     .15     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
 72.254    54.311     .385    54.696       .20     .47     .00    54.70     .00     .15    1.58    2.000     .000   .00  1  .
    -|-       -|-       -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-     -|-     -|-      -|-      |-
  .191     .0612                                          .0001      .00      .39     .16     .09    .013      .00   .00 PIPE
     |         |         |         |         |                |        |        |       |       |       |        |       |
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 72.445    54.322     .373    54.696       .20     .49     .00    54.70     .00     .15     1.56    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .207    .0612                                          .0001     .00     .37     .17     .09    .013      .00   .00 PIPE
FILE: SAJXRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                      PAGE
                          Program Package Serial Number: 1462
                                          WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:31: 1
                   ENCINITAS -- COAST HIGHWAY 101          J-14413                  11-07-0
                     HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)
                       RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                FN: SAJX.WSW
*************************************************************************************************************************** *******
        | Invert  | Depth | Water  |   Q    | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
Station |  Elev   |  (FT) |  Elev  | (CFS)  | (FPS)   Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.|  ZL  |Prs/Pi
      -|-      -|-     -|-      -|-      -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |
L/Elem  |Ch Slope |        |        |        |        SF Ave|   HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall|  ZR  |Type C
********|*********|********|********|********|*******|*******|********|*******|********|********|*******|*******|***** |******
        |         |        |        |        |               |        |       |        |        |       |       |      |
 72.652    54.335     .360    54.695       .20     .52     .00    54.70     .00     .15     1.54    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .173    .0612                                          .0002     .00     .36     .18     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 72.825    54.346     .349    54.695       .20     .54     .00    54.70     .00     .15     1.52    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .189    .0612                                          .0002     .00     .35     .19     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.014    54.357     .337    54.694       .20     .57     .01    54.70     .00     .15     1.50    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .172    .0612                                          .0002     .00     .34     .21     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.187    54.368     .326    54.694       .20     .60     .01    54.70     .00     .15     1.48    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .155    .0612                                          .0002     .00     .33     .22     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.341    54.377     .316    54.693       .20     .63     .01    54.70     .00     .15     1.46    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .171    .0612                                          .0003     .00     .32     .24     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.512    54.388     .305    54.693       .20     .66     .01    54.70     .00     .15     1.44    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .137    .0612                                          .0003     .00     .31     .25     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.649    54.396     .296    54.692       .20     .69     .01    54.70     .00     .15     1.42    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .152    .0612                                          .0004     .00     .30     .27     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.801    54.405     .286    54.692       .20     .72     .01    54.70     .00     .15     1.40    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .135    .0612                                          .0004     .00     .29     .29     .09    .013      .00   .00 PIPE
        |         |        |        |        |               |        |       |        |        |       |       |      |
 73.936    54.414     .277    54.691       .20     .76     .01    54.70     .00     .15     1.38    2.000     .000   .00  1  .
     -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|-     |-
  .134    .0612                                          .0005     .00     .28     .31     .09    .013      .00   .00 PIPE
FILE: SAJXRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                      PAGE
                          Program Package Serial Number: 1462
                                          WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:31: 1
                   ENCINITAS -- COAST HIGHWAY 101          J-14413                  11-07-0
                     HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)
                       RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                FN: SAJX.WSW
*************************************************************************************************************************** *******
        | Invert  | Depth | Water  |   Q    | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
Station |  Elev   |  (FT) |  Elev  | (CFS)  | (FPS)   Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.|  ZL  |Prs/Pi
```

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        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|
 L/Elem  |Ch Slope |        |        |        |        SF Ave|    HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall|  ZR  |Type C
*********|*********|********|*********|*********|*******|*******|*********|*******|********|********|*******|*******|*****|******
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.070   54.422    .268    54.690     .20     .80     .01    54.70     .00     .15    1.36   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .132   .0612                                      .0006     .00     .27     .33     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.202   54.430    .259    54.689     .20     .83     .01    54.70     .00     .15    1.34   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .114   .0612                                      .0006     .00     .26     .35     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.316   54.437    .251    54.688     .20     .88     .01    54.70     .00     .15    1.33   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .113   .0612                                      .0007     .00     .25     .37     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.429   54.444    .243    54.687     .20     .92     .01    54.70     .00     .15    1.31   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .111   .0612                                      .0008     .00     .24     .40     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.540   54.451    .235    54.686     .20     .96     .01    54.70     .00     .15    1.29   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .109   .0612                                      .0010     .00     .24     .42     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.649   54.457    .227    54.684     .20    1.01     .02    54.70     .00     .15    1.27   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .090   .0612                                      .0011     .00     .23     .45     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.739   54.463    .220    54.683     .20    1.06     .02    54.70     .00     .15    1.25   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .088   .0612                                      .0013     .00     .22     .48     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.826   54.468    .213    54.681     .20    1.11     .02    54.70     .00     .15    1.23   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .013   .0612                                      .0015     .00     .21     .51     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.839   54.469    .206    54.675     .20    1.17     .02    54.70     .00     .15    1.22   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
HYDRAULIC JUMP
 FILE: 5AJXRR.WSW                    W S P G W - CIVILDESIGN Version 14.05                                    PAGE
                    Program Package Serial Number: 1462
                                   WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:31: 1
              ENCINITAS -- COAST HIGHWAY 101          J-14413                  11-07-0
                HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)
                  RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                 FN: 5AJX.WSW
*************************************************************************************************************************** *******
         | Invert  | Depth | Water  |    Q    | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|       |No Wth
 Station |  Elev   |  (FT) |  Elev  |  (CFS)  | (FPS)   Head | Grd.El.|  Elev |  Depth |  Width |Dia.-FT|or I.D.|  ZL   |Prs/Pi
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|
 L/Elem  |Ch Slope |        |        |        |        SF Ave|    HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall|  ZR  |Type C
*********|*********|********|*********|*********|*******|*******|*********|*******|********|********|*******|*******|*****|******
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.839   54.469    .103    54.572     .20    3.25     .16    54.74     .00     .15     .88   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .067   .0612                                      .0276     .00     .10    2.18     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
  74.907   54.473    .106    54.579     .20    3.09     .15    54.73     .00     .15     .90   2.000    .000   .00   1   .
        -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|-
   .255   .0612                                      .0239     .01     .11    2.03     .09    .013     .00   .00  PIPE
         |         |        |         |         |       |       |         |       |        |        |       |       |     |
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75.161   54.489    .110   54.599     .20   2.95    .13   54.73    .00    .15    .91   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .230    .0612                                .0209     .00     .11   1.90    .09    .013     .00   .00 PIPE
     |        |        |        |        |        |        |        |        |        |        |        |        |
75.391   54.503    .113   54.616     .20   2.81    .12   54.74    .00    .15    .92   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .166    .0612                                .0182     .00     .11   1.78    .09    .013     .00   .00 PIPE
     |        |        |        |        |        |        |        |        |        |        |        |        |
75.557   54.513    .117   54.630     .20   2.68    .11   54.74    .00    .15    .94   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .135    .0612                                .0159     .00     .12   1.67    .09    .013     .00   .00 PIPE
     |        |        |        |        |        |        |        |        |        |        |        |        |
75.693   54.521    .121   54.642     .20   2.55    .10   54.74    .00    .15    .95   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .110    .0612                                .0139     .00     .12   1.57    .09    .013     .00   .00 PIPE
     |        |        |        |        |        |        |        |        |        |        |        |        |
75.803   54.528    .125   54.653     .20   2.44    .09   54.75    .00    .15    .97   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .089    .0612                                .0121     .00     .13   1.47    .09    .013     .00   .00 PIPE
     |        |        |        |        |        |        |        |        |        |        |        |        |
75.892   54.533    .129   54.662     .20   2.32    .08   54.75    .00    .15    .98   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .071    .0612                                .0105     .00     .13   1.38    .09    .013     .00   .00 PIPE
     |        |        |        |        |        |        |        |        |        |        |        |        |
75.963   54.538    .133   54.671     .20   2.21    .08   54.75    .00    .15   1.00   2.000    .000   .00  1  .
   -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
 .037    .0612                                .0092     .00     .13   1.30    .09    .013     .00   .00 PIPE
```



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**********************************************************************************************************************
        | Invert |  Depth |  Water |    Q   |  Vel    Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
Station |  Elev  |  (FT)  |  Elev  |  (CFS) | (FPS)   Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.| ZL   |Prs/Pi
      -|-      -|-      -|-      -|-      -|-     -|-      -|-      -|-      -|-      -|-      -|-      -|
L/Elem  |Ch Slope |        |        |        |        SF Ave|   HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall| ZR   |Type C
*********|*********|********|*********|*********|*******|*******|*********|*******|********|********|*******|*******|*****|******
        |        |        |        |        |        |        |        |        |        |        |        |        |
  76.000   54.540    .138   54.678     .20   2.11    .07   54.75    .00    .15   1.01   2.000    .000   .00  0  .
      -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
WALL  EXIT
        |        |        |        |        |        |        |        |        |        |        |        |        |
  76.000   54.540    .164   54.704     .20   1.90    .06   54.76    .00    .16    .94   1.500    .000   .00  1  .
      -|-      -|-      -|-      -|-      -|-     -|-     -|-      -|-     -|-     -|-     -|-     -|-     -|-    |-
```

LINE B INPUT

```
T1 ENCINITAS -- COAST HIGHWAY 101            J-14413            11-16-03       0
T2 HYDRAULIC ANALYSIS OF LATERAL LINE B
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                 FN: 5BRR.WSW
SO        .000  49.790  3                            51.000
R      109.240  50.060  3      .013                                31.300    .000 0
R      256.380  50.430  3      .013                                  .000    .000 0
JX     260.380  50.440  1  2   .013    0.500            51.640        90.0          .000
R      382.680  50.730  1      .013                                  .000    .000 0
JX     386.680  50.950  1      .013
R      522.060  52.700  1      .013                                  .000 -33.000 0
R      525.660  52.750  1      .013                                  .000    .000 0
JX     529.660  52.960  1      .013
R      540.430  53.070  1      .013                                  .000 -77.000 0
R      634.810  54.010  1      .013                               -38.910    .000 0
R      750.090  55.160  1      .013                                  .000    .000 0
WE     750.090  55.160  1      .500
SH     750.090  55.160  1                            55.160
CD   1  4   1     .000   1.500     .000  .000  .000   .00
CD   2  4   1     .000   1.000     .000  .000  .000   .00
CD   3  4   2            1.000     .000  .000  .000   .00
Q              0.500    .0
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LINE B OUTPUT

→ FILE: 5BRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31:11

ENCINITAS -- COAST HIGHWAY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5BRR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
.000	49.790	1.210	51.000	1.00	.64	.01	51.01	.00	.29	.00	1.000	.000	.00	2
92.621	.0025					.0002	.02	.00	.00	.36	.013	.00	.00	PIPE
92.621	50.019	1.000	51.019	1.00	.64	.01	51.03	1.00	.29	.00	1.000	.000	.00	2
16.619	.0025					.0002	.00	1.00	.00	.36	.013	.00	.00	PIPE
109.240	50.060	.961	51.021	1.00	.64	.01	51.03	.00	.29	.39	1.000	.000	.00	2
29.522	.0025					.0002	.01	.96	.06	.36	.013	.00	.00	PIPE
138.762	50.134	.891	51.025	1.00	.68	.01	51.03	.00	.29	.62	1.000	.000	.00	2
21.557	.0025					.0002	.00	.89	.08	.36	.013	.00	.00	PIPE
160.319	50.188	.840	51.029	1.00	.71	.01	51.04	.00	.29	.73	1.000	.000	.00	2
18.222	.0025					.0002	.00	.84	.09	.36	.013	.00	.00	PIPE
178.541	50.234	.797	51.031	1.00	.74	.01	51.04	.00	.29	.80	1.000	.000	.00	2
15.738	.0025					.0002	.00	.80	.10	.36	.013	.00	.00	PIPE
194.279	50.274	.760	51.034	1.00	.78	.01	51.04	.00	.29	.85	1.000	.000	.00	2
14.550	.0025					.0002	.00	.76	.11	.36	.013	.00	.00	PIPE
208.828	50.310	.726	51.037	1.00	.82	.01	51.05	.00	.29	.89	1.000	.000	.00	2
13.800	.0025					.0003	.00	.73	.12	.36	.013	.00	.00	PIPE
222.628	50.345	.694	51.039	1.00	.86	.01	51.05	.00	.29	.92	1.000	.000	.00	2
12.600	.0025					.0003	.00	.69	.13	.36	.013	.00	.00	PIPE

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Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31:11

ENCINITAS -- COAST HIGHWAY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5BRR.WSW

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi

L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
235.229	50.377	.665	51.042	1.00	.90	.01	51.05	.00	.29	.94	1.000	.000	.00	2
11.847	.0025					.0003	.00	.67	.15	.36	.013	.00	.00	PIPE
247.075	50.407	.638	51.045	1.00	.94	.01	51.06	.00	.29	.96	1.000	.000	.00	2
9.305	.0025					.0004	.00	.64	.16	.36	.013	.00	.00	PIPE
256.380	50.430	.617	51.047	1.00	.98	.01	51.06	.00	.29	.97	1.000	.000	.00	2
JUNCT STR	.0025					.0003	.00	.62	.17		.013	.00	.00	PIPE
260.380	50.440	.631	51.071	.50	.71	.01	51.08	.00	.26	1.48	1.500	.000	.00	1
10.103	.0024					.0002	.00	.63	.18	.32	.013	.00	.00	PIPE
270.483	50.464	.608	51.072	.50	.74	.01	51.08	.00	.26	1.47	1.500	.000	.00	1
9.287	.0024					.0002	.00	.61	.19	.32	.013	.00	.00	PIPE
279.770	50.486	.587	51.073	.50	.78	.01	51.08	.00	.26	1.46	1.500	.000	.00	1
8.903	.0024					.0002	.00	.59	.21	.32	.013	.00	.00	PIPE
288.673	50.507	.567	51.074	.50	.82	.01	51.08	.00	.26	1.45	1.500	.000	.00	1
8.994	.0024					.0003	.00	.57	.22	.32	.013	.00	.00	PIPE
297.667	50.528	.547	51.076	.50	.86	.01	51.09	.00	.26	1.44	1.500	.000	.00	1
8.621	.0024					.0003	.00	.55	.24	.32	.013	.00	.00	PIPE
306.289	50.549	.528	51.077	.50	.90	.01	51.09	.00	.26	1.43	1.500	.000	.00	1
8.252	.0024					.0003	.00	.53	.25	.32	.013	.00	.00	PIPE

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
314.540	50.568	.510	51.079	.50	.94	.01	51.09	.00	.26	1.42	1.500	.000	.00	1
8.389	.0024					.0004	.00	.51	.27	.32	.013	.00	.00	PIPE
322.930	50.588	.492	51.080	.50	.99	.02	51.10	.00	.26	1.41	1.500	.000	.00	1
7.520	.0024					.0004	.00	.49	.29	.32	.013	.00	.00	PIPE

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 330.449    50.606     .476    51.082       .50    1.04     .02    51.10     .00     .26    1.40    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   7.695    .0024                                        .0005      .00     .48     .31     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 338.144    50.624     .460    51.084       .50    1.09     .02    51.10     .00     .26    1.38    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   7.911    .0024                                        .0006      .00     .46     .33     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 346.055    50.643     .444    51.087       .50    1.14     .02    51.11     .00     .26    1.37    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   7.600    .0024                                        .0007      .01     .44     .36     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 353.655    50.661     .429    51.090       .50    1.20     .02    51.11     .00     .26    1.36    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   7.302    .0024                                        .0008      .01     .43     .38     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 360.957    50.678     .415    51.094       .50    1.25     .02    51.12     .00     .26    1.34    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   7.680    .0024                                        .0009      .01     .42     .41     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 368.637    50.697     .401    51.098       .50    1.32     .03    51.12     .00     .26    1.33    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   8.189    .0024                                        .0010      .01     .40     .43     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 376.826    50.716     .387    51.103       .50    1.38     .03    51.13     .00     .26    1.31    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
   4.632    .0024                                        .0011      .01     .39     .46     .32     .013      .00   .00 PIPE
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**********************************************************************************************************************************
        | Invert  | Depth | Water  |   Q    | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
 Station |  Elev   | (FT)  |  Elev  | (CFS)  | (FPS)   Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.| ZL   |Prs/Pi
      -|-      -|-      -|-      -|-      -|-    -|-      -|-      -|-      -|-      -|-      -|-      -|-      -|
 L/Elem  |Ch Slope |        |        |        |         SF Ave|   HF   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall| ZR   |Type C
*********|*********|********|********|********|*******|*******|********|*******|********|********|*******|*******|*****|******
       |         |        |        |        |         |       |       |       |       |       |       |       |       |
 381.458    50.727     .378    51.105       .50    1.43     .03    51.14     .00     .26    1.30    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
HYDRAULIC JUMP
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 381.458    50.727     .170    50.897       .50    4.52     .32    51.21     .00     .26     .95    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
    .353    .0024                                        .0306      .01     .17    2.34     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 381.812    50.728     .170    50.898       .50    4.51     .32    51.21     .00     .26     .95    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
    .868    .0024                                        .0327      .03     .17    2.33     .32     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 382.680    50.730     .165    50.895       .50    4.73     .35    51.24     .00     .26     .94    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
JUNCT STR   .0550                                        .0240      .10     .16    2.49             .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
 386.680    50.950     .209    51.159       .50    3.34     .17    51.33     .00     .26    1.04    1.500     .000   .00  1  .
      -|-       -|-       -|-       -|-       -|-    -|-    -|-       -|-     -|-     -|-     -|-     -|-     -|-     |-
 112.283    .0129                                        .0129     1.45     .21    1.55     .21     .013      .00   .00 PIPE
       |         |         |         |         |         |         |       |       |       |       |       |       |       |
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498.963	52.401	.209	52.611	.50	3.34	.17	52.78	.00	.26	1.04	1.500	.000	.00	1	.
10.674	.0129					.0136	.14	.21	1.55	.21	.013	.00	.00	PIPE	
509.638	52.539	.204	52.744	.50	3.45	.19	52.93	.00	.26	1.03	1.500	.000	.00	1	.
5.015	.0129					.0152	.08	.20	1.62	.21	.013	.00	.00	PIPE	
514.652	52.604	.197	52.801	.50	3.62	.20	53.01	.00	.26	1.01	1.500	.000	.00	1	.
3.185	.0129					.0174	.06	.20	1.73	.21	.013	.00	.00	PIPE	
517.037	52.645	.191	52.837	.50	3.80	.22	53.06	.00	.26	1.00	1.500	.000	.00	1	.
2.321	.0129					.0200	.05	.19	1.85	.21	.013	.00	.00	PIPE	

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WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31:11

ENCINITAS -- COAST HIGHWAY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5BRR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
520.158	52.675	.185	52.861	.50	3.99	.25	53.11	.00	.26	.99	1.500	.000	.00	1 .
1.902	.0129					.0229	.04	.19	1.97	.21	.013	.00	.00	PIPE
522.060	52.700	.179	52.879	.50	4.18	.27	53.15	.00	.26	.97	1.500	.000	.00	1 .
.417	.0139					.0247	.01	.18	2.10	.21	.013	.00	.00	PIPE
522.477	52.706	.178	52.884	.50	4.21	.28	53.16	.00	.26	.97	1.500	.000	.00	1 .
1.669	.0139					.0268	.04	.18	2.12	.21	.013	.00	.00	PIPE
524.146	52.729	.172	52.901	.50	4.42	.30	53.20	.00	.26	.96	1.500	.000	.00	1 .
1.514	.0139					.0307	.05	.17	2.26	.21	.013	.00	.00	PIPE
525.660	52.750	.167	52.917	.50	4.63	.33	53.25	.00	.26	.94	1.500	.000	.00	1 .
JUNCT STR	.0525					.0215	.09	.17	2.41		.013	.00	.00	PIPE
529.660	52.960	.222	53.182	.50	3.08	.15	53.33	.00	.26	1.06	1.500	.000	.00	1 .
.280	.0102					.0102	.00	.22	1.39	.22	.013	.00	.00	PIPE
529.940	52.963	.222	53.184	.50	3.08	.15	53.33	.00	.26	1.06	1.500	.000	.00	1 .
10.490	.0102					.0101	.11	.22	1.39	.22	.013	.00	.00	PIPE
540.430	53.070	.223	53.293	.50	3.05	.14	53.44	.00	.26	1.07	1.500	.000	.00	1 .
86.673	.0100					.0100	.86	.23	1.37	.22	.013	.00	.00	PIPE

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 627.103    53.933     .223    54.156       .50    3.05     .14    54.30     .00     .26     1.07    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-       -|-     -|-      -|-      -|-     -|-      -|-     |-
   7.707    .0100                                        .0100     .08     .23    1.37     .22     .013      .00   .00  PIPE
FILE: SBRR.WSW                          W S P G W - CIVILDESIGN Version 14.05                                          PAGE
                          Program Package Serial Number: 1462
                                          WATER SURFACE PROFILE LISTING                    Date:11-16-2003  Time: 2:31:11
                     ENCINITAS -- COAST HIGHWAY 101          J-14413          11-16-03
                       HYDRAULIC ANALYSIS OF LATERAL LINE B
                         RECOMMENDED IMPROVEMENTS:  5-YEAR STORM              FN: SBRR.WSW
*************************************************************************************************************************** *******
         | Invert  | Depth | Water  |    Q    | Vel     Vel  | Energy | Super |Critical|Flow Top|Height/|Base Wt|      |No Wth
 Station |  Elev   |  (FT) |  Elev  |  (CFS)  | (FPS)   Head | Grd.El.| Elev  | Depth  | Width  |Dia.-FT|or I.D.| ZL   |Prs/Pi
      -|-      -|-     -|-      -|-      -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     -|
 L/Elem  |Ch Slope |        |        |        |        SF Ave|   HP   |SE Dpth|Froude N|Norm Dp |  "N"  | X-Fall| ZR   |Type C
*********|*********|********|********|********|*******|*******|********|*******|********|********|*******|*******|***** |******
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 634.810    54.010     .223    54.233       .50    3.05     .14    54.38     .00     .26     1.07    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
 100.701    .0100                                        .0100    1.01     .22    1.37     .22     .013      .00   .00  PIPE
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 735.511    55.015     .223    55.237       .50    3.05     .14    55.38     .00     .26     1.07    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
   9.812    .0100                                        .0095     .09     .22    1.37     .22     .013      .00   .00  PIPE
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 745.323    55.112     .228    55.341       .50    2.94     .13    55.48     .00     .26     1.08    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
   2.737    .0100                                        .0084     .02     .23    1.31     .22     .013      .00   .00  PIPE
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 748.060    55.140     .236    55.376       .50    2.81     .12    55.50     .00     .26     1.09    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
   1.571    .0100                                        .0074     .01     .24    1.22     .22     .013      .00   .00  PIPE
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 749.632    55.155     .243    55.399       .50    2.68     .11    55.51     .00     .26     1.11    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
    .311    .0100                                        .0064     .00     .24    1.15     .22     .013      .00   .00  PIPE
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 749.942    55.159     .252    55.411       .50    2.55     .10    55.51     .00     .26     1.12    1.500     .000   .00   1   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
    .148    .0100                                        .0056     .00     .25    1.08     .22     .013      .00   .00  PIPE
WALL  ENTRANCE
         |         |        |        |        |        |      |        |       |        |        |       |       |      |
 750.090    55.160     .263    55.423       .50    2.41     .09    55.51     .00     .26     1.14    1.500     .000   .00   0   .
      -|-       -|-      -|-       -|-       -|-     -|-     -|-      -|-     -|-      -|-      -|-     -|-      -|-     |-
```

LINE C INPUT

```
T1 ENCINITAS COAST HWY 101            J-14413                    11-16-03      0
T2 HYDRAULIC ANALYSIS OF LINE C
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                 FN: 5CRR.WSW
SO        .000  49.020  1                            51.000
R      278.070  49.870  1      .013                                .000    .000 0
JX     282.070  50.470  2  2   .013    0.500            49.870      90.0          .000
R      369.080  50.710  2      .013                                .000    .000 0
JX     371.080  50.720  2      .013                                                -90.000
R      570.190  51.220  2      .013                                .000    .000 0
WE     570.190  51.220  2      .5
SH     570.190  51.220  2                            51.220
CD   1  4   1    .000   1.500     .000  .000  .000   .00
CD   2  4   1    .000   1.000     .000  .000  .000   .00
Q              0.500   .0
```

LINE C OUTPUT

→ FILE: 5CRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

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ENCINITAS COAST HWY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LINE C

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5CRR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
.000	49.020	1.980	51.000	1.00	.57	.00	51.00	.00	.37	.00	1.500	.000	.00	1
161.826	.0031					.0001	.01	1.98	.00	.42	.013	.00	.00	PIPE
161.826	49.515	1.500	51.015	1.00	.57	.00	51.02	.00	.37	.00	1.500	.000	.00	1
46.556	.0031					.0001	.00	1.50	.00	.42	.013	.00	.00	PIPE
208.381	49.657	1.360	51.017	1.00	.59	.01	51.02	.00	.37	.87	1.500	.000	.00	1
26.709	.0031					.0001	.00	1.36	.08	.42	.013	.00	.00	PIPE
235.091	49.739	1.280	51.019	1.00	.62	.01	51.02	.00	.37	1.06	1.500	.000	.00	1
22.372	.0031					.0001	.00	1.28	.09	.42	.013	.00	.00	PIPE
257.462	49.807	1.213	51.020	1.00	.65	.01	51.03	.00	.37	1.18	1.500	.000	.00	1
19.377	.0031					.0001	.00	1.21	.10	.42	.013	.00	.00	PIPE
276.839	49.866	1.155	51.021	1.00	.68	.01	51.03	.00	.37	1.26	1.500	.000	.00	1
1.231	.0031					.0001	.00	1.16	.11	.42	.013	.00	.00	PIPE
278.070	49.870	1.151	51.021	1.00	.69	.01	51.03	.00	.37	1.27	1.500	.000	.00	1
JUNCT STR	.1500					.0003	.00	1.15	.11		.013	.00	.00	PIPE
282.070	50.470	.557	51.027	.50	1.11	.02	51.05	.00	.29	.99	1.000	.000	.00	1
9.110	.0028					.0006	.01	.56	.29	.35	.013	.00	.00	PIPE
291.180	50.495	.535	51.030	.50	1.17	.02	51.05	.00	.29	1.00	1.000	.000	.00	1
8.550	.0028					.0007	.01	.54	.31	.35	.013	.00	.00	PIPE

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ENCINITAS COAST HWY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LINE C

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5CRR.WSW

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi

L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
299.730	50.519	.515	51.034	.50	1.22	.02	51.06	.00	.29	1.00	1.000	.000	.00	1
8.329	.0028					.0008	.01	.52	.34	.35	.013	.00	.00	PIPE
308.059	50.542	.496	51.038	.50	1.28	.03	51.06	.00	.29	1.00	1.000	.000	.00	1
8.130	.0028					.0009	.01	.50	.36	.35	.013	.00	.00	PIPE
316.189	50.564	.478	51.042	.50	1.35	.03	51.07	.00	.29	1.00	1.000	.000	.00	1
7.962	.0028					.0010	.01	.48	.39	.35	.013	.00	.00	PIPE
324.151	50.586	.461	51.047	.50	1.41	.03	51.08	.00	.29	1.00	1.000	.000	.00	1
8.437	.0028					.0011	.01	.46	.42	.35	.013	.00	.00	PIPE
332.588	50.609	.444	51.053	.50	1.48	.03	51.09	.00	.29	.99	1.000	.000	.00	1
8.421	.0028					.0013	.01	.44	.45	.35	.013	.00	.00	PIPE
341.008	50.633	.428	51.061	.50	1.55	.04	51.10	.00	.29	.99	1.000	.000	.00	1
8.520	.0028					.0014	.01	.43	.48	.35	.013	.00	.00	PIPE
349.528	50.656	.413	51.069	.50	1.63	.04	51.11	.00	.29	.98	1.000	.000	.00	1
8.820	.0028					.0016	.01	.41	.51	.35	.013	.00	.00	PIPE
358.348	50.680	.399	51.079	.50	1.71	.05	51.12	.00	.29	.98	1.000	.000	.00	1
10.626	.0028					.0019	.02	.40	.55	.35	.013	.00	.00	PIPE
368.974	50.710	.385	51.095	.50	1.79	.05	51.14	.00	.29	.97	1.000	.000	.00	1
.106	.0028					.0020	.00	.39	.59	.35	.013	.00	.00	PIPE

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
369.080	50.710	.385	51.095	.50	1.79	.05	51.15	.08	.29	.97	1.000	.000	.00	1
JUNCT STR	.0050					.0015	.00	.46	.59		.013	.00	.00	PIPE
371.080	50.720	.465	51.185	.50	1.40	.03	51.22	.00	.29	1.00	1.000	.000	.00	1
9.630	.0025					.0011	.01	.46	.41	.36	.013	.00	.00	PIPE

380.710	50.744	.448	51.192	.50	1.47	.03	51.23	.00	.29	.99	1.000	.000	.00	1 .
9.888	.0025					.0012	.01	.45	.44	.36	.013	.00	.00	PIPE
390.597	50.769	.432	51.201	.50	1.54	.04	51.24	.00	.29	.99	1.000	.000	.00	1 .
11.092	.0025					.0014	.02	.43	.47	.36	.013	.00	.00	PIPE
401.689	50.797	.416	51.213	.50	1.61	.04	51.25	.00	.29	.99	1.000	.000	.00	1 .
10.862	.0025					.0016	.02	.42	.51	.36	.013	.00	.00	PIPE
412.552	50.824	.402	51.226	.50	1.69	.04	51.27	.00	.29	.98	1.000	.000	.00	1 .
13.778	.0025					.0018	.03	.40	.54	.36	.013	.00	.00	PIPE
426.330	50.859	.388	51.247	.50	1.77	.05	51.30	.00	.29	.97	1.000	.000	.00	1 .
20.681	.0025					.0021	.04	.39	.58	.36	.013	.00	.00	PIPE
447.011	50.911	.374	51.285	.50	1.86	.05	51.34	.00	.29	.97	1.000	.000	.00	1 .
38.319	.0025					.0023	.09	.37	.62	.36	.013	.00	.00	PIPE
485.331	51.007	.362	51.369	.50	1.95	.06	51.43	.00	.29	.96	1.000	.000	.00	1 .
84.859	.0025					.0025	.21	.36	.67	.36	.013	.00	.00	PIPE

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ENCINITAS COAST HWY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LINE C

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: SCRR.WSW

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ Dia.-FT	Base Wt or I.D.	ZL	No Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
WALL ENTRANCE														
570.190	51.220	.363	51.583	.50	1.94	.06	51.64	.00	.29	.96	1.000	.000	.00	0 .

LINE D INPUT

```
T1 ENCINITAS--COAST HIGHWAY 101              J-14413              11-16-03      0
T2 HYDRAULIC ANALYSIS OF LATERAL LINE D
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                 FN: 5DRR.WSW
SO        .000  46.770  1                            50.900
R      197.100  47.830  1      .013                                   .000    .000 0
JX     201.100  48.430  2      .013
R      208.000  48.500  2      .012                                   .000 -90.000 0
WE     208.000  48.500  2      .500
SH     208.000  48.500  2                            48.500
CD   1  4   1    .000   1.500     .000  .000  .000   .00
CD   2  4   1    .000   1.000     .000  .000  .000   .00
Q              1.000   .0
```

LINE D OUTPUT

→ FILE: 5DRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

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WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31:26

ENCINITAS--COAST HIGHWAY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE D

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5DRR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
.000	46.770	4.130	50.900	1.00	.57	.00	50.90	.00	.37	.00	1.500	.000	.00	1 .
197.100	.0054					.0001	.02	4.13	.00	.36	.013	.00	.00	PIPE
197.100	47.830	3.088	50.918	1.00	.57	.00	50.92	.00	.37	.00	1.500	.000	.00	1 .
JUNCT STR	.1500					.0004	.00	3.09	.00		.013	.00	.00	PIPE
201.100	48.430	2.472	50.902	1.00	1.27	.03	50.93	.00	.42	.00	1.000	.000	.00	1 .
6.900	.0101					.0007	.00	2.47	.00	.35	.012	.00	.00	PIPE
WALL ENTRANCE														
208.000	48.500	2.415	50.915	1.00	1.27	.03	50.94	.00	.42	.00	1.000	.000	.00	0 .

LINE E INPUT

```
T1 ENCINITAS -- COAST HIGHWAY 101                J-14413      11-16-03
T2 HYDRAULIC ANALYSIS OF LATERAL LINE E & SOUTHERN PORTION OF LINE F
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                FN: 5ERR.WSW
SO      10.000  42.250  1                            50.200
R      197.040  42.720  1      .013                                    .000    .000 0
JX     201.100  43.320  2  2   .012    0.500            43.320          90.0          .000
R      247.600  43.440  2      .012                                    .000 -90.000 0
JX     250.600  43.450  2      .012
R      419.320  43.870  2      .012                                    .000    .000 0
JX     423.320  44.470  2      .012
R      438.810  44.510  2      .012                                    .000 -45.000 0
WE     438.810  44.510  2      .500
SH     438.810  44.510  2                            44.510
CD   1  4   1    .000   1.500     .000  .000  .000   .00
CD   2  4   1    .000   1.000     .000  .000  .000   .00
Q              0.500   .0
```

LINE E OUTPUT

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ENCINITAS -- COAST HIGHWAY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE E & SOUTHERN PORTION OF LINE F

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5ERR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
10.000	42.250	7.950	50.200	1.00	.57	.00	50.20	.00	.37	.00	1.500	.000	.00	1 .
187.040	.0025					.0001	.02	7.95	.00	.44	.013	.00	.00	PIPE
197.040	42.720	7.497	50.217	1.00	.57	.00	50.22	.00	.37	.00	1.500	.000	.00	1 .
JUNCT STR	.1478					.0001	.00	7.50	.00		.012	.00	.00	PIPE
201.100	43.320	6.903	50.223	.50	.64	.01	50.23	.00	.29	.00	1.000	.000	.00	1 .
46.500	.0026					.0002	.01	6.90	.00	.34	.012	.00	.00	PIPE
247.600	43.440	6.793	50.233	.50	.64	.01	50.24	.00	.29	.00	1.000	.000	.00	1 .
JUNCT STR	.0033					.0002	.00	6.79	.00		.012	.00	.00	PIPE
250.600	43.450	6.784	50.234	.50	.64	.01	50.24	.00	.29	.00	1.000	.000	.00	1 .
168.720	.0025					.0002	.03	6.78	.00	.35	.012	.00	.00	PIPE
419.320	43.870	6.392	50.262	.50	.64	.01	50.27	.00	.29	.00	1.000	.000	.00	1 .
JUNCT STR	.1500					.0002	.00	6.39	.00		.012	.00	.00	PIPE
423.320	44.470	5.793	50.263	.50	.64	.01	50.27	.00	.29	.00	1.000	.000	.00	1 .
15.490	.0026					.0002	.00	5.79	.00	.34	.012	.00	.00	PIPE
WALL ENTRANCE														
438.810	44.510	5.756	50.266	.50	.64	.01	50.27	.00	.29	.00	1.000	.000	.00	0 .

LINE F INPUT

```
T1 ENCINITAS -- COAST HIGHWAY 101            J-14413              11-16-03      0
T2 HYDRAULIC ANALYSIS OF LINE F
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                 FN: SI_5FRR.WSW
SO        .000  43.320  1                            50.200
R      234.730  46.700  1      .012                                  .000    .000 0
WE     234.730  46.700  1      .500
SH     234.730  46.700  1                            46.700
CD   1  4   1     .000   1.000     .000  .000  .000   .00
Q              1.000   .0
```

LINE F OUTPUT

→ FILE: 5FRR.WSW W S P G W - CIVILDESIGN Version 14.05 PAGE

Program Package Serial Number: 1462

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ENCINITAS -- COAST HIGHWAY 101 J-14413 11-16-03

HYDRAULIC ANALYSIS OF LINE F

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: SI_5FRR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
.000	43.320	6.880	50.200	1.00	1.27	.03	50.23	.00	.42	.00	1.000	.000	.00	1 .
234.730	.0144					.0007	.16	6.88	.00	.32	.012	.00	.00	PIPE
WALL ENTRANCE														
234.730	46.700	3.658	50.358	1.00	1.27	.03	50.38	.00	.42	.00	1.000	.000	.00	0 .

LINE G INPUT

```
T1 ENCINITAS -- COAST HIGHWAY 101            J-14413                    11-16-03 0
T2 HYDRAULIC ANALYSIS OF LINE G
T3 RECOMMENDED IMPROVEMENTS:  5-YEAR STORM                    FN: 5GRR.WSW
SO        .000  41.150  1                            49.000
R       78.510  42.680  1      .013                                .000    .000 0
R      198.170  44.990  1      .013                                .000    .000 0
JX     202.170  45.590  2      .012
R      251.850  45.840  2      .012                                .000    .000 0
R      284.040  45.620  2      .012                              18.440    .000 0
WE     284.040  45.620  2      .500
SH     284.040  45.620  2                            45.620
CD   1  4   1    .000   1.500     .000  .000  .000   .00
CD   2  4   1    .000   1.000     .000  .000  .000   .00
Q              1.000   .0
```

LINE G OUTPUT

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Program Package Serial Number: 1462

WATER SURFACE PROFILE LISTING Date:11-16-2003 Time: 2:31:42

ENCINITAS -- COAST HIGHWAY 101 J-14413 11-16-0

HYDRAULIC ANALYSIS OF LINE G

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM FN: 5GRR.WSW

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pi / Type C
.000	41.150	7.850	49.000	1.00	.57	.00	49.00	.00	.37	.00	1.500	.000	.00	1
78.510	.0195					.0001	.01	7.85	.00	.27	.013	.00	.00	PIPE
78.510	42.680	6.327	49.007	1.00	.57	.00	49.01	.00	.37	.00	1.500	.000	.00	1
119.660	.0193					.0001	.01	6.33	.00	.27	.013	.00	.00	PIPE
198.170	44.990	4.028	49.018	1.00	.57	.00	49.02	.00	.37	.00	1.500	.000	.00	1
JUNCT STR	.1500					.0004	.00	4.03	.00		.012	.00	.00	PIPE
202.170	45.590	3.412	49.002	1.00	1.27	.03	49.03	.00	.42	.00	1.000	.000	.00	1
49.680	.0050					.0007	.03	3.41	.00	.42	.012	.00	.00	PIPE
251.850	45.840	3.196	49.036	1.00	1.27	.03	49.06	.00	.42	.00	1.000	.000	.00	1
32.190	-.0068					.0007	.02	.00	.00	.00	.012	.00	.00	PIPE
WALL ENTRANCE														
284.040	45.620	3.439	49.059	1.00	1.27	.03	49.08	.00	.42	.00	1.000	.000	.00	0

APPENDIX E

Orifice Calculation, Locations, and Support Material

ENCINITAS COAST HWY
14413
23-Sep-03

REQUIRED AREA OF OPENING FOR ORIFICE PLATES

CONSTANTS: C = 0.6 Q = 1 CFS
g = 32.2 ft/s²

$A = \frac{\pi D^2}{4}$

ORIFICE EQN: Q = CA(SQRT(2gH))

$D = \sqrt{\frac{4A}{\pi}}$ $A(in^2) = \frac{A(ft^2)}{12^2}$

Individual lines (hand calc) 9-25-03 HEC-1 PROSR1.hc1 9-26-03

LOCATION	HGL (ft)	PONDED WSEL (ft)	P, H (ft) HGL → HGL	A = Q/C(SQRT(2gH)) (ft²)	DIAMETER (ft)	A (in²)	DIAMETER (in)
LINE A*	51.11	66.2	15.09	0.01	0.12	1.54	1.40
LINE B	51.11	56.05	4.94	0.09	0.35	13.46	4.14
LINE C	51.04	56.05	5.01	0.09	0.34	13.36	4.13
LINE D	50.94	52.5	1.56	0.17	0.46	23.94	5.52
LINE E	50.19	52.5	2.31	0.14	0.42	19.66	5.01
LINE G	49.02	52.5	3.48	0.11	0.38	16.03	4.62
CONN. 1**	**	63.91	**	**	0.96	104.18	11.52

Field change d = 3"
Field change 2 12" pipes ∴ 2 3" opening plates

* Q @ LINE A = 0.2 CFS (Backup see [illegible] Basin 9-25-03 [illegible])

** Q @ CONNECTION 1 = 7.42 CFS – HEC-1 (FN: PROSR1.hc1)
THE RADIUS WAS IMBEDED IN THE H TERM, THEREFORE TRIAL AND ERROR WAS USED TO SOLVE FOR THE RADIUS, THEN AREA

TRIAL AND ERROR FOR ORIFICE PLATE AT CONNECTION 1

EQN: $0.24 = 5.11r^4 + r^5$

WHICH WAS REDUCED FROM THE ORIFICE EQUATION WITH A AND H IN TERMS OF r
Backup see [illegible] Basin 2 Sump & [illegible] 9-25-03 (hand calc)

WHERE r IS THE RADIUS IN FEET

r	2.40E-01	r (inches)	d (inches)	A (in2)
0.5	2.88E-01	6.00	12.00	113.04
0.4	1.21E-01	4.80	9.60	72.35
0.45	1.91E-01	5.40	10.80	91.56
0.46	2.08E-01	5.52	11.04	95.68
0.47	2.26E-01	5.64	11.28	99.88
0.48	2.46E-01	5.76	11.52	104.18
0.49	2.66E-01	5.88	11.76	108.56
0.5	2.88E-01	6.00	12.00	113.04
0.51	3.11E-01	6.12	12.24	117.61
0.52	3.36E-01	6.24	12.48	122.26

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9-21-03
14413

Encinitas Coast Hwy
Tailwater Calcs in main line (FN: MAIN.WSW) for individual lines

From Storm Drain Plans

Stn	Location	Depth (ft)	Pipe Size (ft)	HGL	EGL (ft)	Inlet El. (ft)
10142.12	LINE B	1.33	1.5	51.02		55.67
9694.65	LINE C	2.42	1.5		51.01	54.06
8793.63	LINE D	4.58	1.5		50.92	50.70
8246.17	LINE E	7.75	1.5		50.17	49.7/50.0
7806.07	LINE G	7.64	1.5		49.0	49.5

LINE B IS NOT UNDER PRESSURE, ALL OTHER LINES ARE UNDER PRESSURE (DEPTH > SIZE)
STARTING WSEL (DIS) FOR LINES C, D, E, & G WILL BE CALC, BASED ON EGL.

$$\text{STARTING WSEL}_{\text{LINE\_}} = \text{EGL}_{\text{MAIN LINE}} - \left(\frac{V^2}{2g}\right)_{\text{LINE\_}}$$

$V = \frac{Q}{A}$ $\quad Q = 1$ cfs FOR ALL LINES

$A = \pi r^2$

$= \pi (.75 ft)^2$

$A = 1.77 ft^2$

$V = \frac{1}{1.77}$

$V = 0.56$ ft/s

$$\frac{V^2}{2g} = \frac{(.56)^2}{2(32.2)}$$

$$\frac{V^2}{2g} = 0.004 \text{ ft}$$

$\frac{V^2}{2g}$ COMPONENT IS NEGLIGIBLE ∴ ONLY EGL WILL BE USED

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9-23-03
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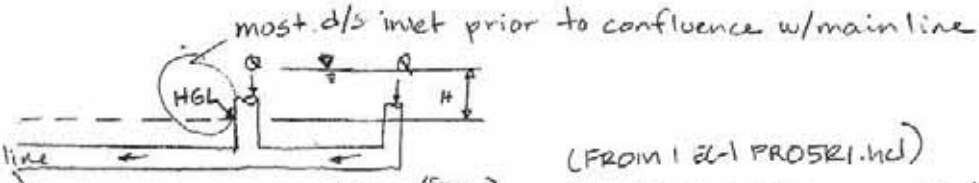
Individual lines: HGL at U/S (entrance)



(WSPGW File Names)	Location	HGL (From WSPGW)	(FROM 1 & 1 PROSR1.hcl) PONDED WSEL	H (orifice eqn)
SI_5BR	LINE B	51.11	56.05	
SI_5CR	LINE C	51.04	56.05	
SI_5DR	LINE D	50.94	52.5	
SI_5ER	LINE E	50.19	52.5	
SI_5FR	LINE F	50.36	52.5	
SI_5GR	LINE G	49.02	52.5	

USE ORIFICE EQN. TO SOLVE FOR REQUIRED AREA OF OPENING

$Q = CA\sqrt{2gH}$

$A = \dfrac{Q}{C\sqrt{2gH}}$

$C = 0.6$ $g = 32.2\ ft/s^2$ H = VARIABLE
$Q = 1$ CFS (EXCEPT FOR LINE F, SIZING ONE ORIFICE PLATE FOR LINE E & LINE F)

* SEE EXCEL SPREASHEET FOR CALCS.

* Starting WSEL (D/S) IS FROM WSPG MAIN LINE (MAIN.WSPG)
See hand calcs 9-21-03 (Tailwater Calc in Main Line)

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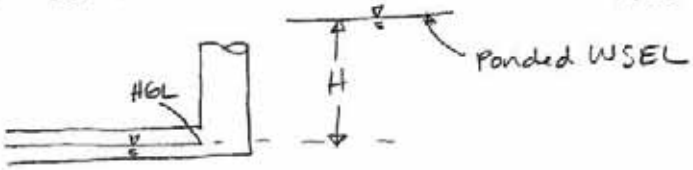
9-25-03
14413

Encinitas Coast Hwy 101 - Detention @ Basin 2 sump and Basin 6

Detention @ sump near Union + 101 of runoff from Basins 1, 1A, 1B, + 2

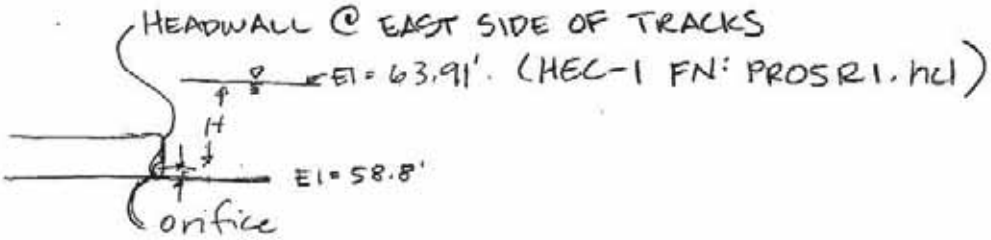
Ponded WSEL = 66.20

The orifice will be placed near the junction to the main line, therefore the HGL in the main line at Line B will be used as the HGL in the orifice calc.



HGL = 51.11
Ponded WSEL = 66.20 (From HEC-1 FN: PROSR1.hcl)
See spreadsheet dated 9-23-03 for orifice calcs.

Orifice @ Connection 1:



$A = \pi r^2$
$H = (63.91 - 58.8) - r$

$Q = 7.42$ cfs $C = 0.6$ $g = 32.2$ ft/s^2

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$$Q = CA\sqrt{2gH}$$

$$\frac{Q}{C} = A\sqrt{2gH}$$

$$\frac{7.42}{0.6} = A\sqrt{2(32.2)H}$$

$$12.37 = A\,(8.02)\sqrt{H}$$

$$\frac{12.37}{8.02} = A\sqrt{H}$$

$$1.54 = A\sqrt{H}$$

$$1.54^2 = A^2H$$

$$2.37 = A^2H$$

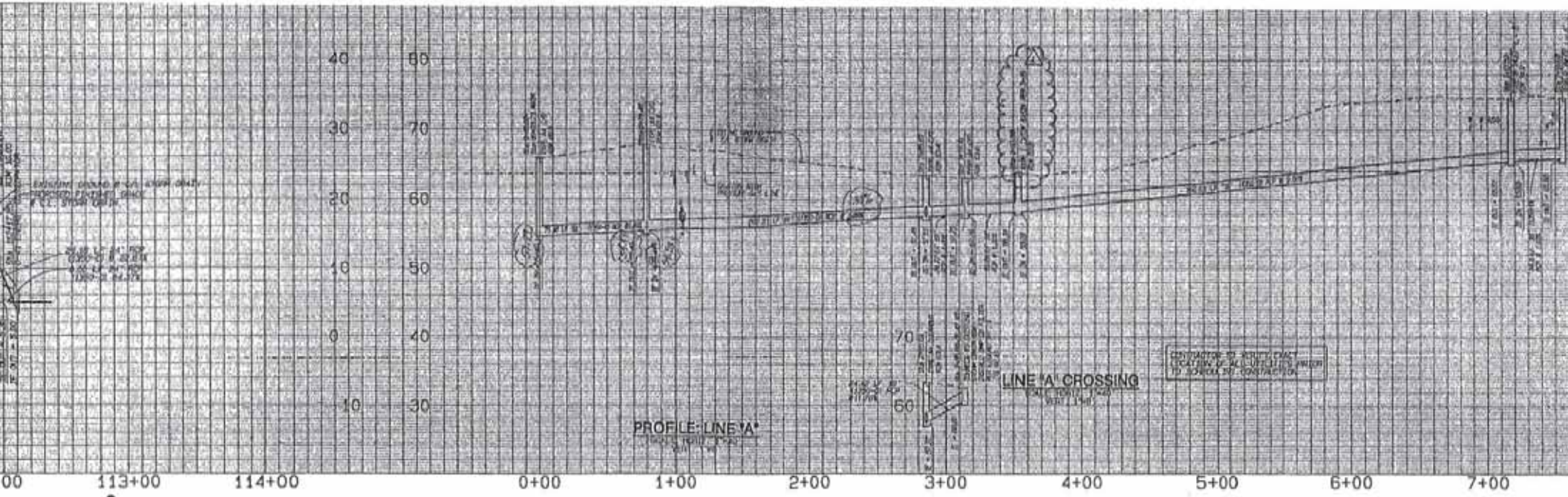
$$2.37 = (\pi r^2)^2\left[(63.91-58.8)-(r)\right]$$

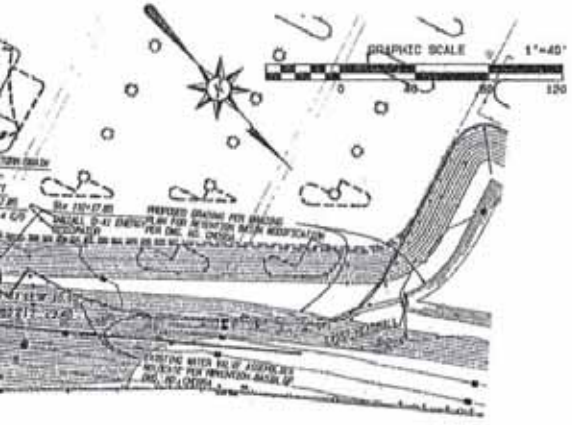
$$2.37 = 9.86r^4(5.11-r)$$

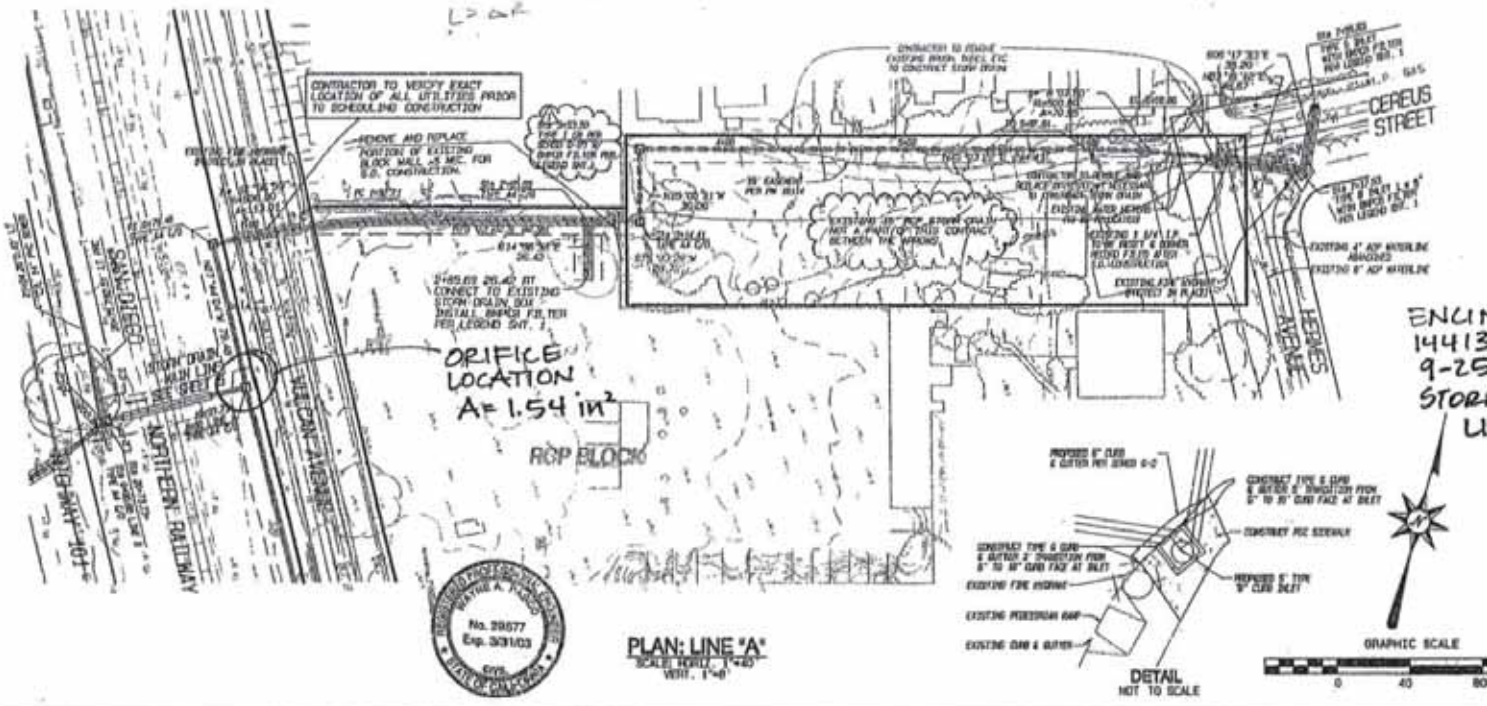
$$\frac{2.37}{9.86} = r^4(5.11-r)$$

$$0.24 = 5.11\,r^4 - r^5$$

Used trial & error to solve for r
See spreadsheet dated 9-23-03 for calcs.







REFERENCES	DATE	BENCHMARK	SCALE	CITY OF CARLSBAD		APPROVALS	CITY OF ENCINITAS ENGINEERING DEPARTMENT
		COUNTY OF SAN DIEGO BM 000140 1990 EAST OF INTERSECTION OF HWY 101 & ENCINITAS BLVD. IN NE CORNER OF PR BCSW 4-23-80 OVER ENCINITAS BLVD. STANDARD DISK IN CONCRETE MONUMENT STAMPED BC 140 1968 EL=77.489	HORIZONTAL 1"=40' VERTICAL 1"=8'	APPROVED BY: LLOYD B. HUBBS DATE	PLANS PREPARED UNDER THE SUPERVISION OF Wayne Pasco WAYNE PASCO DATE: 8/3/01 R.C.E. NO. 29577 EXP. 3-31-03	RECOMMENDED BY: LEROY BOSAS RCE 20312 DATE: 8/9/01 APPROVED BY: ALAN D. ARCHIBALD RCE 21869 DATE: 8-9-01	IMPROVEMENT PLAN FOR: **MAIN LINE AND LINE "A"** WORK PROJECT NO. CM095A & CEE97A

PROFILE: LINE "B" SPUR

PROFILE: LINE "B"

LINE "C" CROSSING

PROFILE: LINE "C"

1+00 2+00 3+00 4+00 5+00 0+00 1+00 2+00 3+00 4+00 5+00

SEE SHEET 18

5+27.66 CTR C.O.
MATCHLINE

GRAPHIC SCALE 1"=40'

HWY. 101

BASIL STREET

ORIFICE LOCATION
A = 13.46 in²

CADMUS STREET

SECTION A-A
NOT TO SCALE

DETAIL
NOT TO SCALE

SAN DIEGO NORTHERN RAILWAY

HIGHWAY 101

CADMUS STREET

ALLEY

ORIFICE LOCATION
A = 13.36 in²

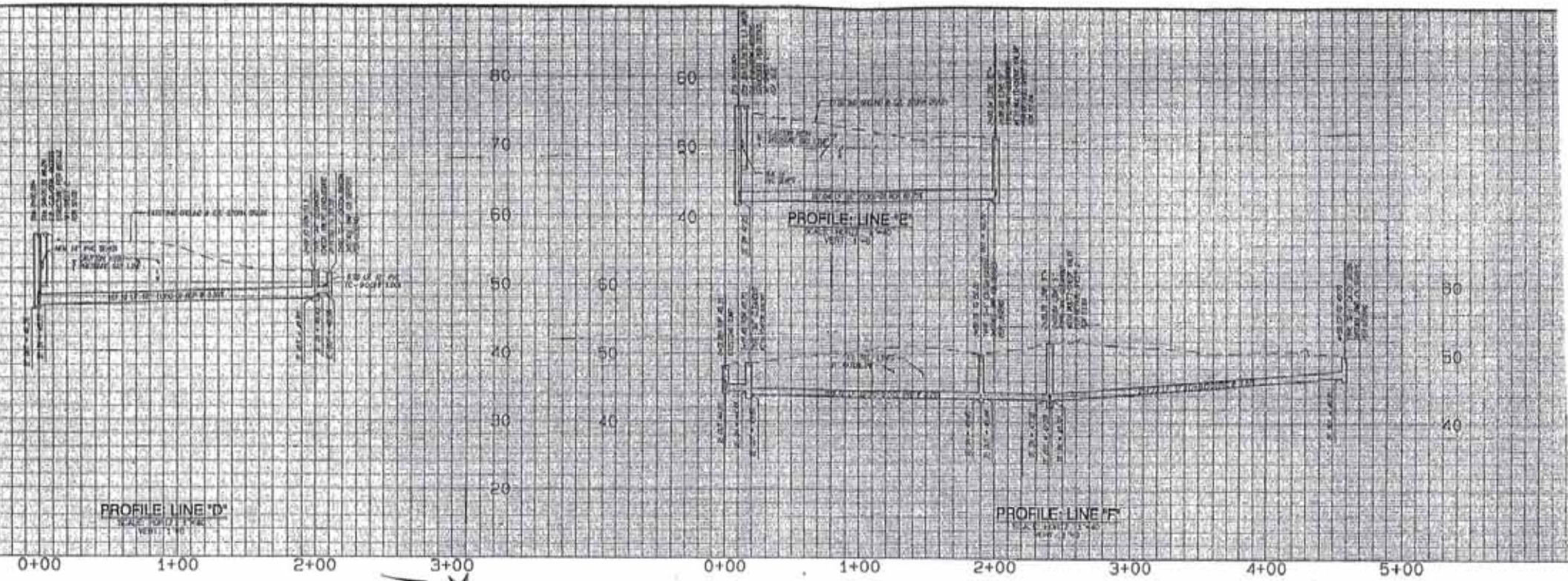
PLAN: LINE "B"
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

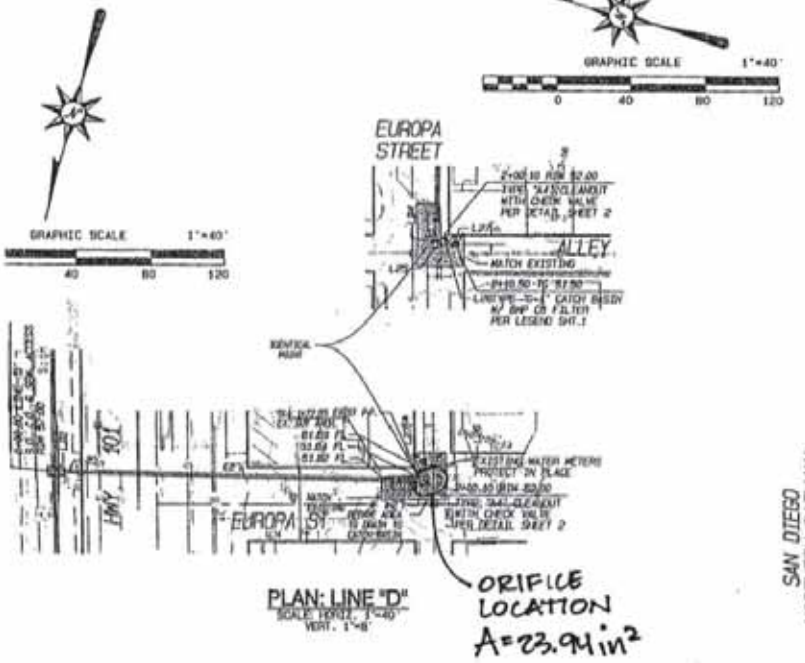
PLAN: LINE "C"
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

REGISTERED PROFESSIONAL ENGINEER
WAYNE A. PASCO
No. 29577
Exp. 03/31/03
CIVIL
STATE OF CALIFORNIA

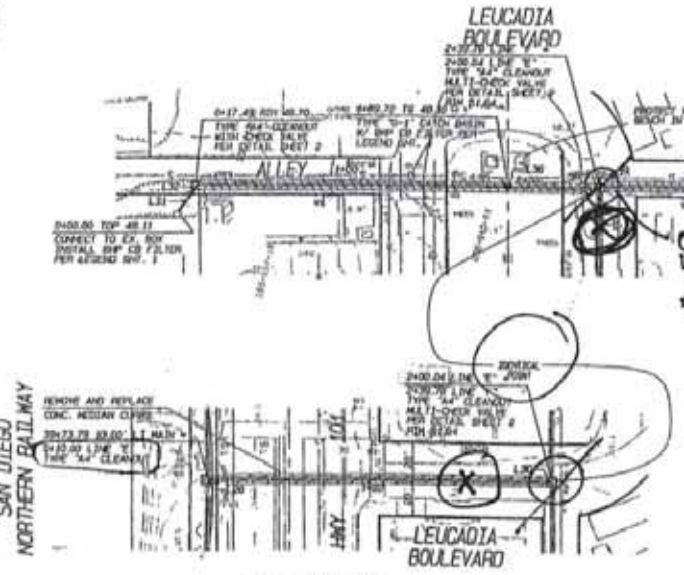
DATA		
ADJUS	LENGTH	DESCRIPTION
	1.00	
200.00	302.24	18" RCP (2000-D)
	147.14	18" RCP (2000-D)
	2.00	
	2.00	
	324.80	18" RCP (2000-D)
	4.00	
	3.00	18" RCP (2000-D)
	2.00	
	2.00	
	36.48	18" PVC (C-900)
	2.00	
	2.00	
	83.20	18" PVC (C-900)

STORM LINE DATA			
LINE	BEARING	DELTA	RADIUS
L1	N00°42'29"W		
C1	N00°34'14"E	10°08'31"	300.00
L11	N00°08'30"E		
L12	N00°08'30"E		
L13	N00°08'30"E		
L14	N00°08'30"E		
L15	N00°08'30"E		
L16	N00°51'20"W		
L17	N00°50'33"E		
L18	N04°14'28"E		
L19	N03°51'30"E		
L20	N03°51'30"E		
L21	N03°51'30"E		





PLAN: LINE "D"

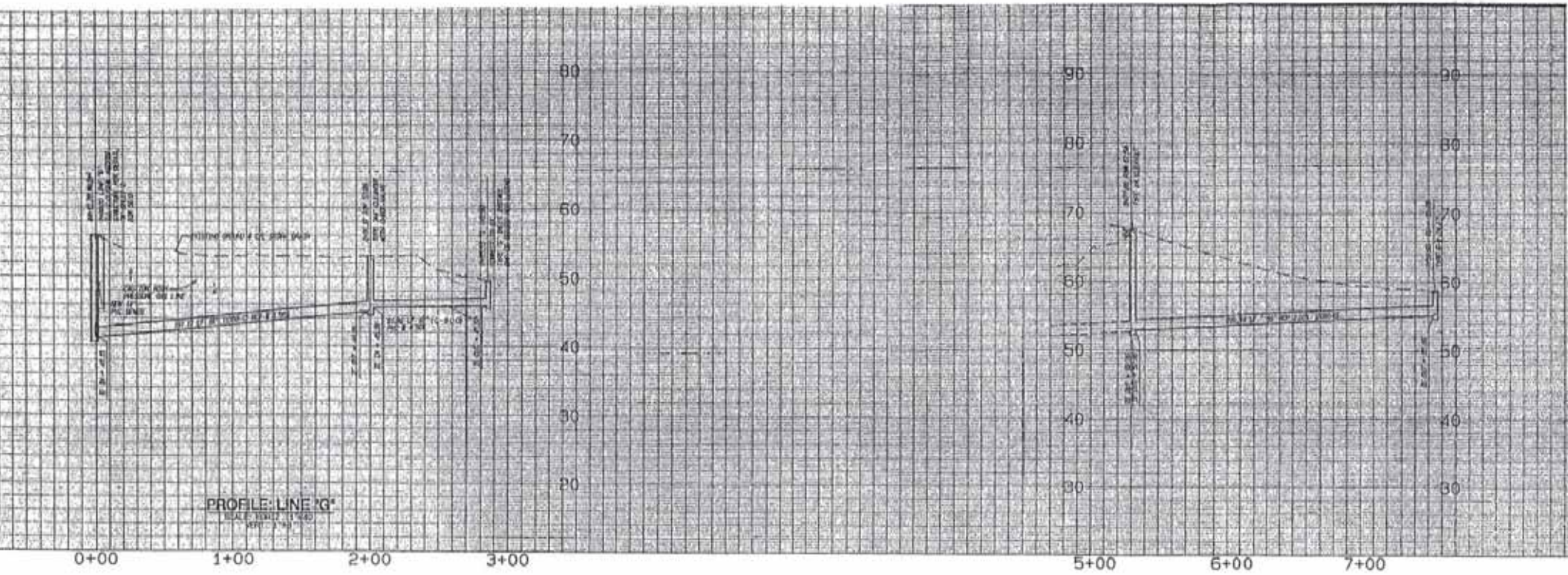


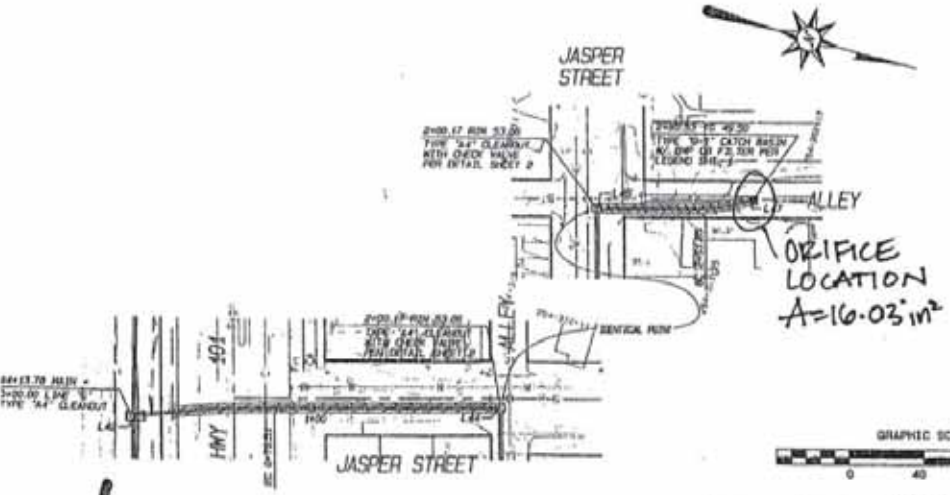
PLAN: LINE "E"

PLAN: LINE "F"

ENCINITAS
14413
9-22-03
STORM DR
D, E, & F

		1.00	
1'00.00'	600.00	(1.77)	18" RCP (1990-D)
		180.33	18" RCP (1990-D)
		2.00	
		2.00	
		8.00	12" PVC(D-3034)

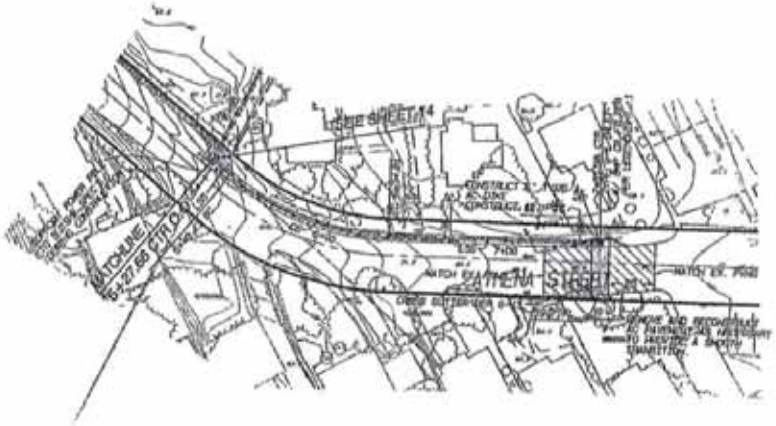




PLAN: LINE "G"
SCALE: HORIZ. 1"=40'

GRAPHIC SCALE 1"=40'
0 40 80 120

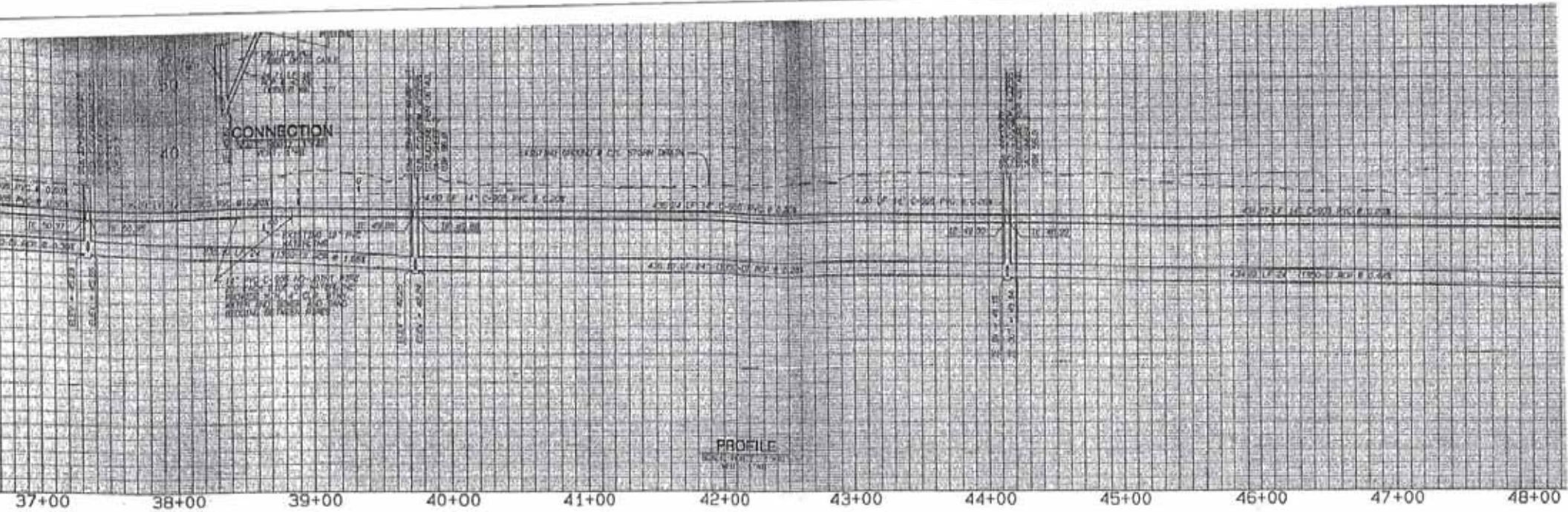
STORM LINE DATA					
LINE	BEARING	DELTA	RADIUS	LENGTH	DESCRIPTION
L43	N74°56'45"W			8.00	
C4	N71°14'45"L	7°54'57"	800.00	77.01	18" RCP (1000-D)
L45	N74°56'45"W			119.68	18" RCP (1000-D)
L46	N74°56'45"W			8.00	
L47	S15°03'15"L			8.00	
L48	S15°03'15"L			40.87	18" RCP (C-1000)
C5	N84°55'44"W	18°26'30"	500.00	161.02	18" RCP (C-1000)
L47	N15°03'30"W			7.50	
L54	N49°24'50"W			7.50	
L55	N49°24'50"W			93.37	18" RCP (1000-D)
C6		38°54'21"	139.00'	94.30	18" RCP (1000-D)
L56	N60°15'45"W			115.27	18" RCP (1000-D)

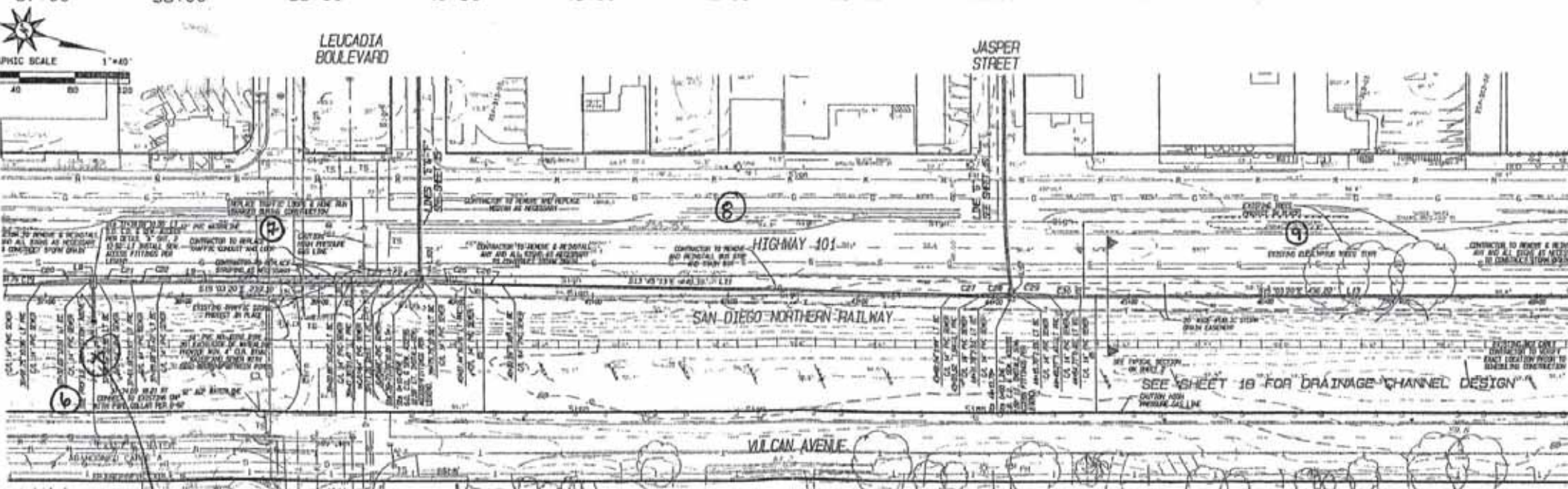


PLAN: ATHENA EXTENSION
SCALE: HORIZ. 1"=40'

ENGIN
1441
9-27
STOR
LINE

REVISIONS	APPROVED	DATE	REFERENCES	DATE	BOUNDARY	SCALE





14" PVC D-905		
DELTA	RADIUS	ARC
		72.12'
6°06'56"	285.49'	29.79'
7°00'21"	285.49'	35.03'
		4.00'
4°54'16"	285.49'	24.52'
4°54'17"	285.49'	24.52'

SEWER LINE DATA - 14" PVC D-905				
LINE	CHORD BEARING	DELTA	RADIUS	ARC
L9	S15°03'20"E			137.13'
C23		4°54'17"	285.49'	24.52'
C24		4°54'16"	285.49'	24.52'
L10	S15°03'20"E			4.00'
C25		6°00'36"	285.49'	31.72'
C26		3°00'20"	285.49'	15.21'

PLAN
SCALE: HORIZ. 1"=40'
VERT. 1"=8'

SEWER LINE DATA - 14" PVC D-905				
LINE	CHORD BEARING	DELTA	RADIUS	ARC
L11	S13°45'13"E			330.44'
C27		4°56'14"	285.49'	24.59'
C28		3°20'00"	285.49'	16.65'
L12	S15°03'20"E			4.00'
C29		4°54'16"	285.49'	24.52'
C30		4°54'17"	285.49'	24.52'
L13	S15°03'20"E			305.73'

REVISED BY	DATE	REFERENCES	DATE

BENCHMARK

COUNTY OF SAN DIEGO BM 000492 200' EAST OF INTERSECTION OF HWY 101 & ENCINITAS BLVD. ON NE CORNER OF BR BUILDING 225-283 OVER ENCINITAS BLVD. STANDARD TYPE 2B CONCRETE MONUMENT STAMPED BC 142 1968

EL=77.403

SCALE

HORIZONTAL 1"=40'

VERTICAL 1"=8'

PLANS PREPARED UNDER THE SUPERVISION OF
Wayne Pasco
WAYNE PASCO
DATE: 8/3/01
R.C.E. NO. 29577
EXP. 3-31-03

APPROVALS

RECOMMENDED BY: LEROY BOGAS RCE 22312 DATE: 8/6/01

APPROVED BY: ALAN D. ARCHIBALD RCE 21869 DATE: 8-9-01

CITY OF ENCINITAS ENGINEERING DEPARTMENT

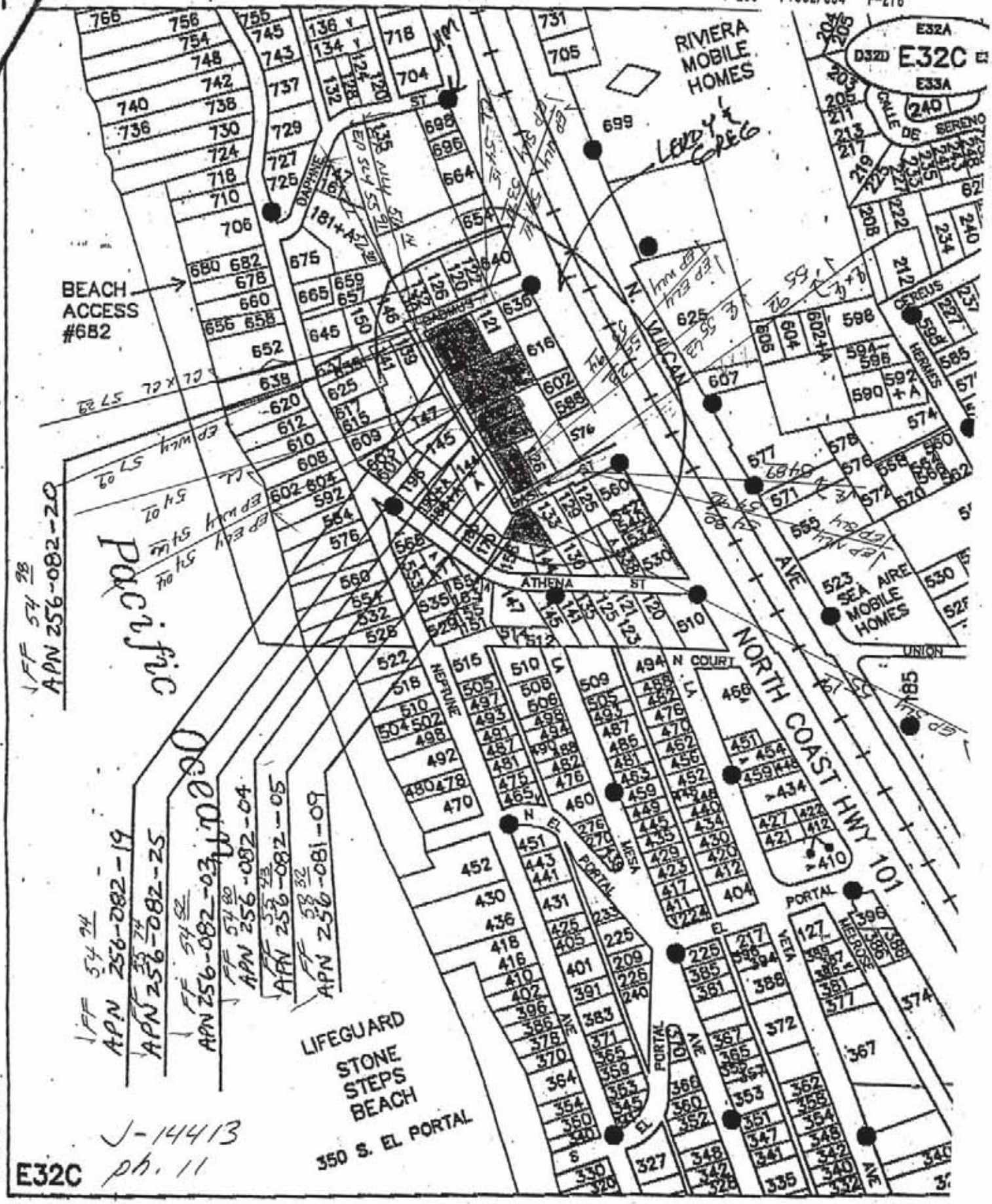
IMPROVEMENT PLAN FOR:

LEUCADIA DRAINAGE PROJECT

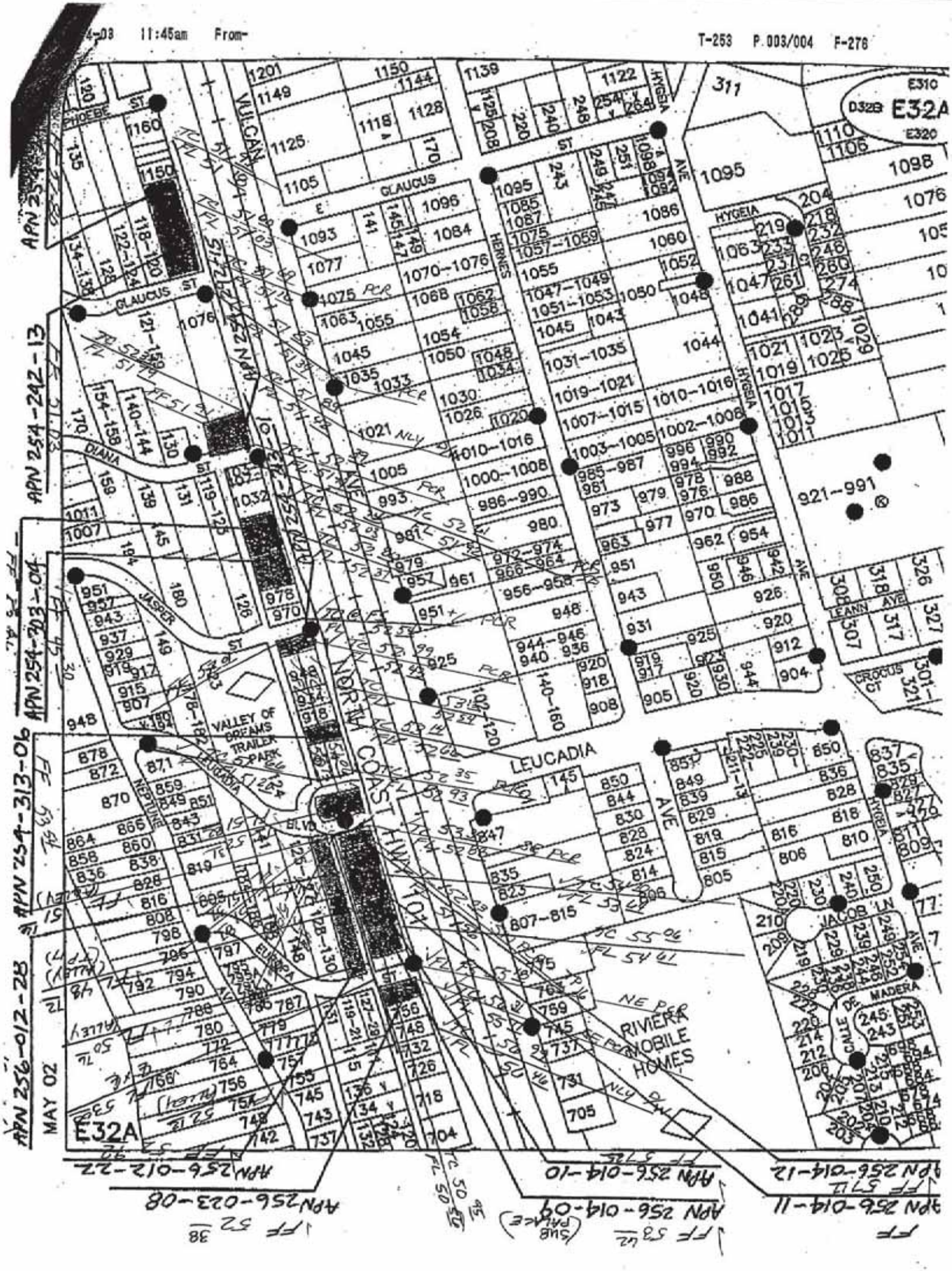
14" PRESSURE SEWER

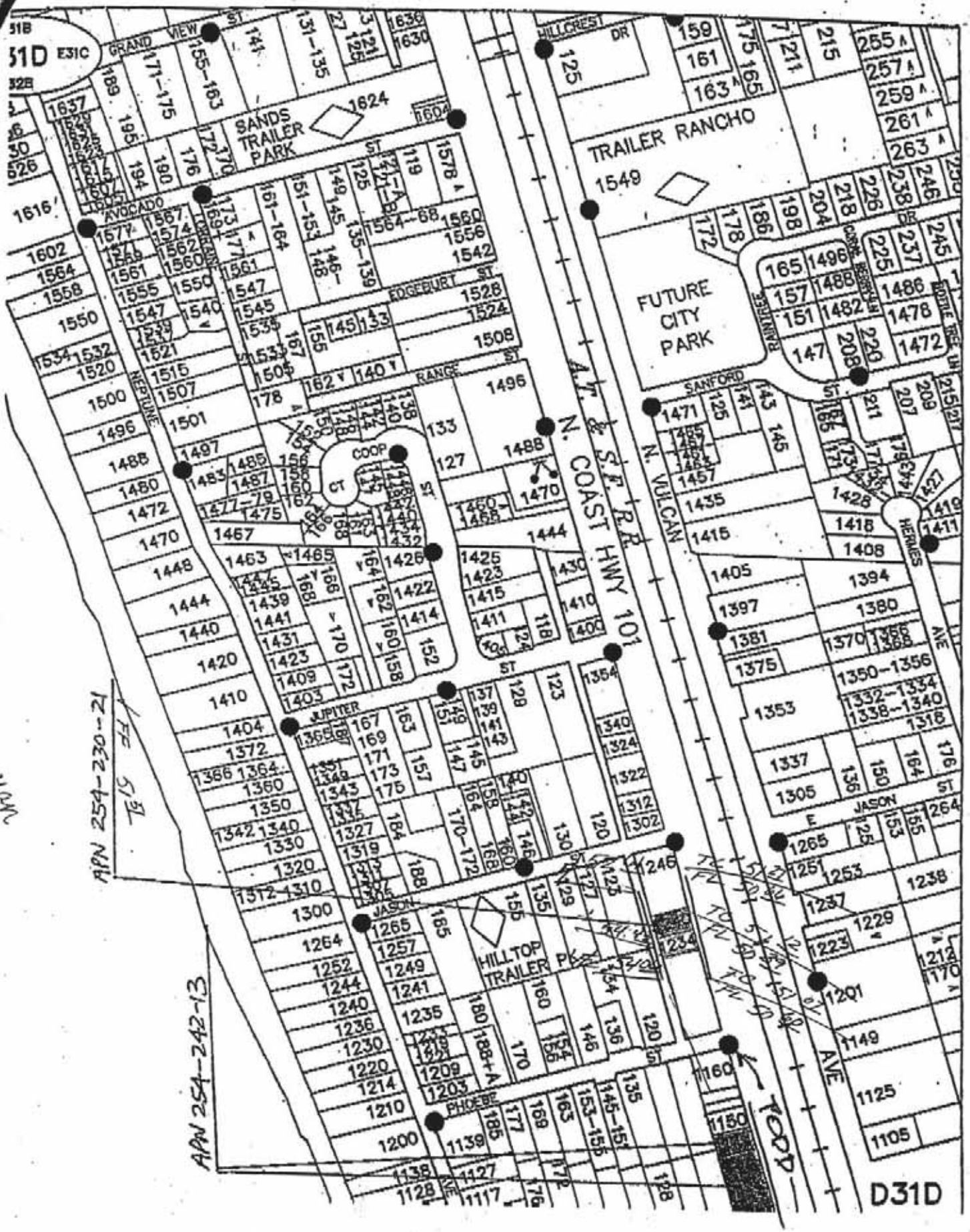
APPENDIX F

Field Survey Data Taken May 2003



— FL of Top of Curb on 100-200 foot intervals


E32A
MAY 02
APN 256-012-22
APN 256-023-08
APN 256-014-10
APN 256-014-04
APN 256-014-11
APN 256-014-12
APN 256-012-28
APN 254-313-06
APN 254-303-04
APN 254-242-13
APN 254-
VULCAN
GLAUCUS
HYGEIA
HERMES
DIANA
JASPER
PHOEBE
NORTH COAST HWY 101
LEUCADIA
VALLEY OF DREAMS TRAILER SPARK
RIVIERA MOBILE HOMES
JACOB LN
MADERA
LEANN AVE
CROCUS CT
921-991


D31D
GRAND VIEW ST
SANDS TRAILER PARK
TRAILER RANCHO
HILLCREST DR
FUTURE CITY PARK
AVOCADO
EDGEBURT ST
RANGE ST
COOP CT
NEPTUNE
SANFORD
N. VULCAN
N. COAST HWY 101
A.T. & S.F. R.R.
HERMES
JUPITER
JASON
HILLTOP TRAILER PK
PHOEBE
APN 254-230-21
APN 254-242-13
D31D

MAP POCKET 1

Hydrologic Workmap for Coast Highway 101

11
10
9B
5-YR PONDED WSEL
HISTORIC= 56.0 FT
IMPROVED=56.0 FT
9
5-YR PONDED WSEL
HISTORIC=53.1 FT
IMPROVED=53.1 FT
5-YR PONDED WSEL
HISTORIC=54.0 FT
IMPROVED=54.0 FT
9A
5-YR PONDED WSEL
HISTORIC=54.6 FT
IMPROVED=52.5 FT
8
7
5-YR PONDED WSEL
HISTORIC=54.6 FT
IMPROVED=52.5 FT
6
5-YR PONDED WSEL
HISTORIC=53.7 FT
IMPROVED=53.9 FT
5
5-YR PONDED WSEL
HISTORIC=54.6 FT
IMPROVED=52.5 FT
4
5-YR PONDED WSEL
HISTORIC=56.2 FT
IMPROVED=56.1 FT
2
5-YR PONDED WSEL
HISTORIC=56.4 FT
IMPROVED=56.3 FT
3
5-YR PONDED WSEL
HISTORIC=56.2 FT
IMPROVED=56.1 FT
1B
1
5-YR PONDED WSEL
HISTORIC=56.4 FT
IMPROVED=56.3 FT