

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
ANK	.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

HYDROGRAPH AT STATION RT1B

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.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 (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.



.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  
 CRVNR 61.00 CURVE NUMBER  
 RTIMP .00 PERCENT IMPERVIOUS AREA

99 UD SCS DIMENSIONLESS UNITGRAPH  
 TLAG .29 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.

HYDROGRAPH AT STATION 1

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

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

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

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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 MC 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	3.	*	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 (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
7.	16.33	(CFS)	2.	1.	0.	0.
		(INCHES)	.127	.147	.147	.147

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

CUMULATIVE AREA = .13 SQ MI

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*   RT1   *
*           *
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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

RSVVIC -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

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--- 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

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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

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 (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.	24.92	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		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

109 KK

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*           *
*         2 *
*           *
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SUBBASIN RUNOFF DATA

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

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

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.

HYDROGRAPH AT STATION 2

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

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

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

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

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

CUMULATIVE AREA = .06 SQ MI



113 KK

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\* 2\_1\_1A \*  
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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

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.	16.08	(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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 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			
	RSVVIC	-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

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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.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
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.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
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125 LS      SCS LOSS RATE  
 STRTL      .90 INITIAL ABSTRACTION  
 CRVMBR     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.

HYDROGRAPH AT STATION 3\_LINEB

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.





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

130 LS            SCS LOSS RATE  
 STRTL            1.13 INITIAL ABSTRACTION  
 CRVNR            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.

HYDROGRAPH AT STATION 4\_LINEC

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

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.

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

135 KK

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

137 KO

OUTPUT CONTROL VARIABLES

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IPRNT      1  PRINT CONTROL
IPILOT     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

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HYDROGRAPH ROUTING DATA

138 RS

STORAGE ROUTING

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

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139 SA

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AREA       .0      .7      2.5      4.6

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140 SE

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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

HYDROGRAPH AT STATION DET4\_3

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.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

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

```

PEAK FLOW          TIME          MAXIMUM AVERAGE FLOW
(CFS)             (HR)
    2.           16.50          (CFS)
                                6-HR      24-HR      72-HR      24.92-HR
                                (INCHES)
                                .278      .331      .331      .331
                                (AC-FT)
                                1.         1.         1.         1.

```

```

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

```

```

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

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

\*\*\*

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

HYDROGRAPH AT STATION RT\_C1

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	1.3
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



.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	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.01	.01	.01	.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

154 I.S      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.									

HYDROGRAPH AT STATION      6

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

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

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



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

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

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

CUMULATIVE AREA = .06 SQ MI

156 KK

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*           *
*   DET_6   *
*           *
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157 KO

OUTPUT CONTROL VARIABLES

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

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

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

HYDROGRAPH AT STATION DET\_6

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	1200	1	0.	.0	61.5	*	1	JAN	2020	101	0.	.0	61.5	*	2	JAN	0440	201	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 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.

.....

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

167 KK

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*****
*           *
*   RT_1G   *
*           *
*****

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168 KO

OUTPUT CONTROL VARIABLES

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IPRNT      1  PRINT CONTROL
IPLOT      0  PLOT CONTROL
QSCAL     0.  HYDROGRAPH PLOT SCALE
IPNCH      0  PUNCH COMPUTED HYDROGRAPH
IOUT      21  SAVE HYDROGRAPH ON THIS UNIT
ISAV1      1  FIRST ORDINATE PUNCHED OR SAVED
ISAV2     300 LAST ORDINATE PUNCHED OR SAVED
TIMINT    .063 TIME INTERVAL IN HOURS

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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

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

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173 RC

NORMAL DEPTH CHANNEL

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ANL        .013 LEFT OVERBANK N-VALUE

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

CROSS-SECTION DATA

		--- LEFT OVBANK ---			+ ----- MAIN CHANNEL -----			+ --- RIGHT OVBANK ---		
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	

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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.)

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

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

180 UD SCS DIMENSIONLESS UNITGRAPH  
 TLAG .00 LAG

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

UNIT HYDROGRAPH  
 7 END-OF-PERIOD ORDINATES

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

HYDROGRAPH AT STATION 5\_LINED

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.



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

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

185 UD      SCS DIMENSIONLESS UNITGRAPH  
 TLAG       .13 LAG

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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.

HYDROGRAPH AT STATION 7\_LINE&

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.





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

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

190 UD      SCS DIMENSIONLESS UNITGRAPH  
           TLAG        .13 LAG

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

UNIT HYDROGRAPH  
 10 END-OF-PERIOD ORDINATES

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

HYDROGRAPH AT STATION 8\_LINEG

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

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

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

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

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

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

CUMULATIVE AREA = .01 SQ MI

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191 KK

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* 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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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

194 KK

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*   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 SR	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

HYDROGRAPH AT STATION D\_578

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

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE			
		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				(S) STORAGE				
		0.	2.	4.	6.	8.	10.	12.	14.	16.	0.	0.	0.	0
		.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.0	.
DAHRMN	PER													
11200	11I	-----												
11205	21I	.	.	.	.	.	.	5	.	.	.	.	.	.
11210	31I	.	.	.	.	.	.	5	.	.	.	.	.	.
11215	41I	.	.	.	.	.	.	5	.	.	.	.	.	.
11220	51I	.	.	.	.	.	.	5	.	.	.	.	.	.
11225	61I	.	.	.	.	.	.	5	.	.	.	.	.	.
11230	71I	.	.	.	.	.	.	5	.	.	.	.	.	.
11235	81I	.	.	.	.	.	.	5	.	.	.	.	.	.
11240	91I	.	.	.	.	.	.	5	.	.	.	.	.	.
11245	10I	.	.	.	.	.	.	5	.	.	.	.	.	.
11250	11I	.....												
11255	12I	.	.	.	.	.	.	5	.	.	.	.	.	.
11300	13I	.	.	.	.	.	.	5	.	.	.	.	.	.
11305	14I	.	.	.	.	.	.	5	.	.	.	.	.	.
11310	15I	.	.	.	.	.	.	5	.	.	.	.	.	.
11315	16I	.	.	.	.	.	.	5	.	.	.	.	.	.
11320	17I	.	.	.	.	.	.	5	.	.	.	.	.	.
11325	18I	.	.	.	.	.	.	5	.	.	.	.	.	.
11330	19I	.	.	.	.	.	.	5	.	.	.	.	.	.
11335	20I	.	.	.	.	.	.	5	.	.	.	.	.	.
11340	21I	.....												
11345	22I	.	.	.	.	.	.	5	.	.	.	.	.	.
11350	23I	.	.	.	.	.	.	5	.	.	.	.	.	.
11355	24I	.	.	.	.	.	.	5	.	.	.	.	.	.
11400	25I	.	.	.	.	.	.	5	.	.	.	.	.	.
11405	26I	.	.	.	.	.	.	5	.	.	.	.	.	.
11410	27I	.	.	.	.	.	.	5	.	.	.	.	.	.
11415	28I	.	.	.	.	.	.	5	.	.	.	.	.	.
11420	29I	.	.	.	.	.	.	5	.	.	.	.	.	.
11425	30I	.	.	.	.	.	.	5	.	.	.	.	.	.
11430	31I	.....												
11435	32I	.	.	.	.	.	.	5	.	.	.	.	.	.
11440	33I	.	.	.	.	.	.	5	.	.	.	.	.	.
11445	34I	.	.	.	.	.	.	5	.	.	.	.	.	.
11450	35I	.	.	.	.	.	.	5	.	.	.	.	.	.
11455	36I	.	.	.	.	.	.	5	.	.	.	.	.	.
11500	37I	.	.	.	.	.	.	5	.	.	.	.	.	.
11505	38I	.	.	.	.	.	.	5	.	.	.	.	.	.
11510	39I	.	.	.	.	.	.	5	.	.	.	.	.	.
11515	40I	.	.	.	.	.	.	5	.	.	.	.	.	.
11520	41I	.....												
11525	42I	.	.	.	.	.	.	5	.	.	.	.	.	.
11530	43I	.	.	.	.	.	.	5	.	.	.	.	.	.
11535	44I	.	.	.	.	.	.	5	.	.	.	.	.	.
11540	45I	.	.	.	.	.	.	5	.	.	.	.	.	.
11545	46I	.	.	.	.	.	.	5	.	.	.	.	.	.
11550	47I	.	.	.	.	.	.	5	.	.	.	.	.	.
11555	48I	.	.	.	.	.	.	5	.	.	.	.	.	.
11600	49I	.	.	.	.	.	.	5	.	.	.	.	.	.
11605	50I	.	.	.	.	.	.	5	.	.	.	.	.	.
11610	51I	.....												
11615	52I	.	.	.	.	.	.	5	.	.	.	.	.	.
11620	53I	.	.	.	.	.	.	5	.	.	.	.	.	.

11625	54I	.	.	.	.	.	.	5	.	.	.	.	.	.
11630	55I	.	.	.	.	.	.	5	.	.	.	.	.	.
11635	56I	.	.	.	.	.	.	5	.	.	.	.	.	.
11640	57I	.	.	.	.	.	.	5	.	.	.	.	.	.
11645	58I	.	.	.	.	.	.	5	.	.	.	.	.	.
11650	59I	.	.	.	.	.	.	5	.	.	.	.	.	.
11655	60I	.	.	.	.	.	.	5	.	.	.	.	.	.
11700	61I	.	.	.	.	.	.	5	.	.	.	.	.	.
11705	62I	.	.	.	.	.	.	5	.	.	.	.	.	.
11710	63I	.	.	.	.	.	.	5	.	.	.	.	.	.
11715	64I	.	.	.	.	.	.	5	.	.	.	.	.	.
11720	65I	.	.	.	.	.	.	5	.	.	.	.	.	.
11725	66I	.	.	.	.	.	.	5	.	.	.	.	.	.
11730	67I	.	.	.	.	.	.	5	.	.	.	.	.	.
11735	68I	.	.	.	.	.	.	5	.	.	.	.	.	.
11740	69I	.	.	.	.	.	.	5	.	.	.	.	.	.
11745	70I	.	.	.	.	.	.	5	.	.	.	.	.	.
11750	71I	.	.	.	.	.	.	5	.	.	.	.	.	.
11755	72I	.	.	.	.	.	.	5	.	.	.	.	.	.
11800	73I	.	.	.	.	.	.	5	.	.	.	.	.	.
11805	74I	.	.	.	.	.	.	5	.	.	.	.	.	.
11810	75I	.	.	.	.	.	.	5	.	.	.	.	.	.
11815	76I	.	.	.	.	.	.	5	.	.	.	.	.	.
11820	77I	.	.	.	.	.	.	5	.	.	.	.	.	.
11825	78I	.	.	.	.	.	.	5	.	.	.	.	.	.
11830	79I	.	.	.	.	.	.	5	.	.	.	.	.	.
11835	80I	.	.	.	.	.	.	5	.	.	.	.	.	.
11840	81I	.	.	.	.	.	.	5	.	.	.	.	.	.
11845	82I	.	.	.	.	.	.	5	.	.	.	.	.	.
11850	83I	.	.	.	.	.	.	5	.	.	.	.	.	.
11855	84I	.	.	.	.	.	.	5	.	.	.	.	.	.
11900	85I	.	.	.	.	.	.	5	.	.	.	.	.	.
11905	86I	.	.	.	.	.	.	5	.	.	.	.	.	.
11910	87I	.	.	.	.	.	.	5	.	.	.	.	.	.
11915	88I	.	.	.	.	.	.	5	.	.	.	.	.	.
11920	89I	.	.	.	.	.	.	5	.	.	.	.	.	.
11925	90I	.	.	.	.	.	.	5	.	.	.	.	.	.
11930	91I	.	.	.	.	.	.	5	.	.	.	.	.	.
11935	92I	.	.	.	.	.	.	5	.	.	.	.	.	.
11940	93I	.	.	.	.	.	.	5	.	.	.	.	.	.
11945	94I	.	.	.	.	.	.	5	.	.	.	.	.	.
11950	95I	.	.	.	.	.	.	5	.	.	.	.	.	.
11955	96I	.	.	.	.	.	.	5	.	.	.	.	.	.
12000	97I	.	.	.	.	.	.	5	.	.	.	.	.	.
12005	98I	.	.	.	.	.	.	5	.	.	.	.	.	.
12010	99I	.	.	.	.	.	.	5	.	.	.	.	.	.
12015	100I	.	.	.	.	.	.	5	.	.	.	.	.	.
12020	101I	.	.	.	.	.	.	5	.	.	.	.	.	.
12025	102I	.	.	.	.	.	.	5	.	.	.	.	.	.
12030	103I	.	.	.	.	.	.	5	.	.	.	.	.	.
12035	104I	.	.	.	.	.	.	5	.	.	.	.	.	.
12040	105I	.	.	.	.	.	.	5	.	.	.	.	.	.
12045	106I	.	.	.	.	.	.	5	.	.	.	.	.	.
12050	107I	.	.	.	.	.	.	5	.	.	.	.	.	.
12055	108I	.	.	.	.	.	.	5	.	.	.	.	.	.
12100	109I	.	.	.	.	.	.	5	.	.	.	.	.	.
12105	110I	.	.	.	.	.	.	5	.	.	.	.	.	.
12110	111I	.	.	.	.	.	.	5	.	.	.	.	.	.
12115	112I	.	.	.	.	.	.	5	.	.	.	.	.	.
12120	113I	.	.	.	.	.	.	5	.	.	.	.	.	.

12125 114I	.	.	.	.	.	5	.	.	.	.	.
12130 115I	.	.	.	.	.	5	.	.	.	.	.
12135 116I	.	.	.	.	.	5	.	.	.	.	.
12140 117I	.	.	.	.	.	5	.	.	.	.	.
12145 118I	.	.	.	.	.	5	.	.	.	.	.
12150 119I	.	.	.	.	.	5	.	.	.	.	.
12155 120I	.	.	.	.	.	5	.	.	.	.	.
12200 121I	.	.	.	.	.	5	.	.	.	.	.
12205 122I	.	.	.	.	.	5	.	.	.	.	.
12210 123I	.	.	.	.	.	5	.	.	.	.	.
12215 124I	.	.	.	.	.	5	.	.	.	.	.
12220 125I	.	.	.	.	.	5	.	.	.	.	.
12225 126I	.	.	.	.	.	5	.	.	.	.	.
12230 127I	.	.	.	.	.	5	.	.	.	.	.
12235 128I	.	.	.	.	.	5	.	.	.	.	.
12240 129I	.	.	.	.	.	5	.	.	.	.	.
12245 130I	.	.	.	.	.	5	.	.	.	.	.
12350 131I	.	.	.	.	.	5	.	.	.	.	.
12255 132I	.	.	.	.	.	5	.	.	.	.	.
12300 133I	.	.	.	.	.	5	.	.	.	.	.
12305 134I	.	.	.	.	.	5	.	.	.	.	.
12310 135I	.	.	.	.	.	5	.	.	.	.	.
12315 136I	.	.	.	.	.	5	.	.	.	.	.
12320 137I	.	.	.	.	.	5	.	.	.	.	.
12325 138I	.	.	.	.	.	5	.	.	.	.	.
12330 139I	.	.	.	.	.	5	.	.	.	.	.
12335 140I	.	.	.	.	.	5	.	.	.	.	.
12340 141I	.	.	.	.	.	5	.	.	.	.	.
12345 142I	.	.	.	.	.	5	.	.	.	.	.
12350 143I	.	.	.	.	.	5	.	.	.	.	.
12355 144I	.	.	.	.	.	5	.	.	.	.	.
20000 145I	.	.	.	.	.	5	.	.	.	.	.
20005 146I	.	.	.	.	.	5	.	.	.	.	.
20010 147I	.	.	.	.	.	5	.	.	.	.	.
20015 148I	.	.	.	.	.	5	.	.	.	.	.
20020 149I	.	.	.	.	.	5	.	.	.	.	.
20025 150I	.	.	.	.	.	5	.	.	.	.	.
20030 151I	.	.	.	.	.	5	.	.	.	.	.
20035 152I	.	.	.	.	.	5	.	.	.	.	.
20040 153I	.	.	.	.	.	5	.	.	.	.	.
20045 154I	.	.	.	.	.	5	.	.	.	.	.
20050 155I	.	.	.	.	.	5	.	.	.	.	.
20055 156I	.	.	.	.	.	5	.	.	.	.	.
20100 157I	.	.	.	.	.	5	.	.	.	.	.
20105 158I	.	.	.	.	.	5	.	.	.	.	.
20110 159I	.	.	.	.	.	5	.	.	.	.	.
20115 160I	.	.	.	.	.	5	.	.	.	.	.
20120 161I	.	.	.	.	.	5	.	.	.	.	.
20125 162I	.	.	.	.	.	5	.	.	.	.	.
20130 163I	.	.	.	.	.	5	.	.	.	.	.
20135 164I	.	.	.	.	.	5	.	.	.	.	.
20140 165I	.	.	.	.	.	5	.	.	.	.	.
20145 166I	.	.	.	.	.	5	.	.	.	.	.
20150 167I	.	.	.	.	.	5	.	.	.	.	.
20155 168I	.	.	.	.	.	5	.	.	.	.	.
20200 169I	.	.	.	.	.	5	.	.	.	.	.
20205 170I	.	.	.	.	.	5	.	.	.	.	.
20210 171I	.	.	.	.	.	5	.	.	.	.	.
20215 172I	.	.	.	.	.	5	.	.	.	.	.
20220 173I	.	.	.	.	.	5	.	.	.	.	.

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. IO	.	.	.	.	.									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	.	.	.	.	.	.



21225	29410	.	.	.	.	.	.8	.	.	.	.	.
21230	29510	.	.	.	.	.	.8	.	.	.	.	.
21235	29610	.	.	.	.	.	.9	.	.	.	.	.
21240	29710	.	.	.	.	.	.8	.	.	.	.	.
21245	29810	.	.	.	.	.	.8	.	.	.	.	.
21250	29910	.	.	.	.	.	.9	.	.	.	.	.
21255	30010	-----										.8



202 KX

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*   MAIN_G   *  
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Q IN MAIN LINE AFTER CONFLUENCE WITH DETAINED FLOW FROM BASINS  
5, 7, AND 8

205 MC

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

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*****
*       *
*   RT_G3   *
*       *
*****

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207 KO

OUTPUT CONTROL VARIABLES

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IPRNT      1  PRINT CONTROL
IPLOT      0  PLOT CONTROL
QSCAL     0.  HYDROGRAPH PLOT SCALE
IPNCH     0  PUNCH COMPUTED HYDROGRAPH
IOUT     21  SAVE HYDROGRAPH ON THIS UNIT
ISAV1     1  FIRST ORDINATE PUNCHED OR SAVED
ISAV2    300  LAST ORDINATE PUNCHED OR SAVED
TIMINT    .093  TIME INTERVAL IN HOURS

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

HYDROGRAPH ROUTING DATA

210 RE

STORAGE ROUTING

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

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211 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     1575.  REACH LENGTH
SEL        .0025  ENERGY SLOPE
ELMAX      .0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

```

CROSS-SECTION DATA

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

217 LS SCS LOSS RATE

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

218 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

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

HYDROGRAPH AT STATION 9A

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

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



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

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TOTAL RAINFALL = 2.49, TOTAL LOSS = 2.06, 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

219 KK

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

HYDROGRAPH ROUTING DATA

221 RG	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 9A	AREA	.0	1.6	1.6
223 9Q	DISCHARGE	0.	0.	20.
224 8E	ELEVATION	53.00	54.00	54.10

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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.53	.69
ELEVATION	53.00	54.00	54.10

HYDROGRAPH AT STATION DET9A

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	1200	1	0.	.5	54.0	*	1	JAN	2020	101	0.	.5	54.0	*	2	JAN	0440	201	1.	.5	54.0
1	JAN	1205	2	0.	.5	54.0	*	1	JAN	2025	102	0.	.5	54.0	*	2	JAN	0445	202	1.	.5	54.0
1	JAN	1210	3	0.	.5	54.0	*	1	JAN	2030	103	0.	.5	54.0	*	2	JAN	0450	203	1.	.5	54.0
1	JAN	1215	4	0.	.5	54.0	*	1	JAN	2035	104	0.	.5	54.0	*	2	JAN	0455	204	1.	.5	54.0
1	JAN	1220	5	0.	.5	54.0	*	1	JAN	2040	105	0.	.5	54.0	*	2	JAN	0500	205	1.	.5	54.0
1	JAN	1225	6	0.	.5	54.0	*	1	JAN	2045	106	0.	.5	54.0	*	2	JAN	0505	206	1.	.5	54.0
1	JAN	1230	7	0.	.5	54.0	*	1	JAN	2050	107	0.	.5	54.0	*	2	JAN	0510	207	1.	.5	54.0
1	JAN	1235	8	0.	.5	54.0	*	1	JAN	2055	108	0.	.5	54.0	*	2	JAN	0515	208	1.	.5	54.0
1	JAN	1240	9	0.	.5	54.0	*	1	JAN	2100	109	0.	.5	54.0	*	2	JAN	0520	209	1.	.5	54.0
1	JAN	1245	10	0.	.5	54.0	*	1	JAN	2105	110	0.	.5	54.0	*	2	JAN	0525	210	1.	.5	54.0
1	JAN	1250	11	0.	.5	54.0	*	1	JAN	2110	111	0.	.5	54.0	*	2	JAN	0530	211	1.	.5	54.0
1	JAN	1255	12	0.	.5	54.0	*	1	JAN	2115	112	0.	.5	54.0	*	2	JAN	0535	212	1.	.5	54.0
1	JAN	1300	13	0.	.5	54.0	*	1	JAN	2120	113	0.	.5	54.0	*	2	JAN	0540	213	1.	.5	54.0
1	JAN	1305	14	0.	.5	54.0	*	1	JAN	2125	114	0.	.5	54.0	*	2	JAN	0545	214	1.	.5	54.0
1	JAN	1310	15	0.	.5	54.0	*	1	JAN	2130	115	0.	.5	54.0	*	2	JAN	0550	215	1.	.5	54.0
1	JAN	1315	16	0.	.5	54.0	*	1	JAN	2135	116	0.	.5	54.0	*	2	JAN	0555	216	1.	.5	54.0
1	JAN	1320	17	0.	.5	54.0	*	1	JAN	2140	117	0.	.5	54.0	*	2	JAN	0600	217	1.	.5	54.0

1 JAN 1325 18	0.	.5	54.0 *	1 JAN 2145 118	0.	.5	54.0 *	2 JAN 0605 218	0.	.5	54.0
1 JAN 1330 19	0.	.5	54.0 *	1 JAN 2150 119	0.	.5	54.0 *	2 JAN 0610 219	0.	.5	54.0
1 JAN 1335 20	0.	.5	54.0 *	1 JAN 2155 120	0.	.5	54.0 *	2 JAN 0615 220	0.	.5	54.0
1 JAN 1340 21	0.	.5	54.0 *	1 JAN 2200 121	0.	.5	54.0 *	2 JAN 0620 221	0.	.5	54.0
1 JAN 1345 22	0.	.5	54.0 *	1 JAN 2205 122	0.	.5	54.0 *	2 JAN 0625 222	0.	.5	54.0
1 JAN 1350 23	0.	.5	54.0 *	1 JAN 2210 123	0.	.5	54.0 *	2 JAN 0630 223	0.	.5	54.0
1 JAN 1355 24	0.	.5	54.0 *	1 JAN 2215 124	0.	.5	54.0 *	2 JAN 0635 224	0.	.5	54.0
1 JAN 1400 25	0.	.5	54.0 *	1 JAN 2220 125	0.	.5	54.0 *	2 JAN 0640 225	0.	.5	54.0
1 JAN 1405 26	0.	.5	54.0 *	1 JAN 2225 126	0.	.5	54.0 *	2 JAN 0645 226	0.	.5	54.0
1 JAN 1410 27	0.	.5	54.0 *	1 JAN 2230 127	0.	.5	54.0 *	2 JAN 0650 227	0.	.5	54.0
1 JAN 1415 28	0.	.5	54.0 *	1 JAN 2235 128	0.	.5	54.0 *	2 JAN 0655 228	0.	.5	54.0
1 JAN 1420 29	0.	.5	54.0 *	1 JAN 2240 129	0.	.5	54.0 *	2 JAN 0700 229	0.	.5	54.0
1 JAN 1425 30	0.	.5	54.0 *	1 JAN 2245 130	0.	.5	54.0 *	2 JAN 0705 230	0.	.5	54.0
1 JAN 1430 31	0.	.5	54.0 *	1 JAN 2250 131	0.	.5	54.0 *	2 JAN 0710 231	0.	.5	54.0
1 JAN 1435 32	0.	.5	54.0 *	1 JAN 2255 132	0.	.5	54.0 *	2 JAN 0715 232	0.	.5	54.0
1 JAN 1440 33	0.	.5	54.0 *	1 JAN 2300 133	0.	.5	54.0 *	2 JAN 0720 233	0.	.5	54.0
1 JAN 1445 34	0.	.5	54.0 *	1 JAN 2305 134	0.	.5	54.0 *	2 JAN 0725 234	0.	.5	54.0
1 JAN 1450 35	0.	.5	54.0 *	1 JAN 2310 135	0.	.5	54.0 *	2 JAN 0730 235	0.	.5	54.0
1 JAN 1455 36	0.	.5	54.0 *	1 JAN 2315 136	0.	.5	54.0 *	2 JAN 0735 236	0.	.5	54.0
1 JAN 1500 37	0.	.5	54.0 *	1 JAN 2320 137	0.	.5	54.0 *	2 JAN 0740 237	0.	.5	54.0
1 JAN 1505 38	0.	.5	54.0 *	1 JAN 2325 138	0.	.5	54.0 *	2 JAN 0745 238	0.	.5	54.0
1 JAN 1510 39	0.	.5	54.0 *	1 JAN 2330 139	0.	.5	54.0 *	2 JAN 0750 239	0.	.5	54.0
1 JAN 1515 40	0.	.5	54.0 *	1 JAN 2335 140	0.	.5	54.0 *	2 JAN 0755 240	0.	.5	54.0
1 JAN 1520 41	0.	.5	54.0 *	1 JAN 2340 141	0.	.5	54.0 *	2 JAN 0800 241	0.	.5	54.0
1 JAN 1525 42	0.	.5	54.0 *	1 JAN 2345 142	0.	.5	54.0 *	2 JAN 0805 242	0.	.5	54.0
1 JAN 1530 43	0.	.5	54.0 *	1 JAN 2350 143	0.	.5	54.0 *	2 JAN 0810 243	0.	.5	54.0
1 JAN 1535 44	0.	.5	54.0 *	1 JAN 2355 144	0.	.5	54.0 *	2 JAN 0815 244	0.	.5	54.0
1 JAN 1540 45	0.	.5	54.0 *	2 JAN 0000 145	0.	.5	54.0 *	2 JAN 0820 245	0.	.5	54.0
1 JAN 1545 46	0.	.5	54.0 *	2 JAN 0005 146	0.	.5	54.0 *	2 JAN 0825 246	0.	.5	54.0
1 JAN 1550 47	0.	.5	54.0 *	2 JAN 0010 147	0.	.5	54.0 *	2 JAN 0830 247	0.	.5	54.0
1 JAN 1555 48	0.	.5	54.0 *	2 JAN 0015 148	0.	.5	54.0 *	2 JAN 0835 248	0.	.5	54.0
1 JAN 1600 49	0.	.5	54.0 *	2 JAN 0020 149	0.	.5	54.0 *	2 JAN 0840 249	0.	.5	54.0
1 JAN 1605 50	0.	.5	54.0 *	2 JAN 0025 150	0.	.5	54.0 *	2 JAN 0845 250	0.	.5	54.0
1 JAN 1610 51	0.	.5	54.0 *	2 JAN 0030 151	0.	.5	54.0 *	2 JAN 0850 251	0.	.5	54.0
1 JAN 1615 52	0.	.5	54.0 *	2 JAN 0035 152	0.	.5	54.0 *	2 JAN 0855 252	0.	.5	54.0
1 JAN 1620 53	0.	.5	54.0 *	2 JAN 0040 153	0.	.5	54.0 *	2 JAN 0900 253	0.	.5	54.0
1 JAN 1625 54	0.	.5	54.0 *	2 JAN 0045 154	0.	.5	54.0 *	2 JAN 0905 254	0.	.5	54.0
1 JAN 1630 55	0.	.5	54.0 *	2 JAN 0050 155	0.	.5	54.0 *	2 JAN 0910 255	0.	.5	54.0
1 JAN 1635 56	0.	.5	54.0 *	2 JAN 0055 156	0.	.5	54.0 *	2 JAN 0915 256	0.	.5	54.0
1 JAN 1640 57	0.	.5	54.0 *	2 JAN 0100 157	0.	.5	54.0 *	2 JAN 0920 257	0.	.5	54.0
1 JAN 1645 58	0.	.5	54.0 *	2 JAN 0105 158	0.	.5	54.0 *	2 JAN 0925 258	0.	.5	54.0
1 JAN 1650 59	0.	.5	54.0 *	2 JAN 0110 159	0.	.5	54.0 *	2 JAN 0930 259	0.	.5	54.0
1 JAN 1655 60	0.	.5	54.0 *	2 JAN 0115 160	0.	.5	54.0 *	2 JAN 0935 260	0.	.5	54.0
1 JAN 1700 61	0.	.5	54.0 *	2 JAN 0120 161	0.	.5	54.0 *	2 JAN 0940 261	0.	.5	54.0
1 JAN 1705 62	0.	.5	54.0 *	2 JAN 0125 162	0.	.5	54.0 *	2 JAN 0945 262	0.	.5	54.0
1 JAN 1710 63	0.	.5	54.0 *	2 JAN 0130 163	0.	.5	54.0 *	2 JAN 0950 263	0.	.5	54.0
1 JAN 1715 64	0.	.5	54.0 *	2 JAN 0135 164	0.	.5	54.0 *	2 JAN 0955 264	0.	.5	54.0
1 JAN 1720 65	0.	.5	54.0 *	2 JAN 0140 165	0.	.5	54.0 *	2 JAN 1000 265	0.	.5	54.0
1 JAN 1725 66	0.	.5	54.0 *	2 JAN 0145 166	0.	.5	54.0 *	2 JAN 1005 266	0.	.5	54.0
1 JAN 1730 67	0.	.5	54.0 *	2 JAN 0150 167	0.	.5	54.0 *	2 JAN 1010 267	0.	.5	54.0
1 JAN 1735 68	0.	.5	54.0 *	2 JAN 0155 168	0.	.5	54.0 *	2 JAN 1015 268	0.	.5	54.0
1 JAN 1740 69	0.	.5	54.0 *	2 JAN 0200 169	0.	.5	54.0 *	2 JAN 1020 269	0.	.5	54.0
1 JAN 1745 70	0.	.5	54.0 *	2 JAN 0205 170	0.	.5	54.0 *	2 JAN 1025 270	0.	.5	54.0
1 JAN 1750 71	0.	.5	54.0 *	2 JAN 0210 171	0.	.5	54.0 *	2 JAN 1030 271	0.	.5	54.0
1 JAN 1755 72	0.	.5	54.0 *	2 JAN 0215 172	0.	.5	54.0 *	2 JAN 1035 272	0.	.5	54.0
1 JAN 1800 73	0.	.5	54.0 *	2 JAN 0220 173	0.	.5	54.0 *	2 JAN 1040 273	0.	.5	54.0
1 JAN 1805 74	0.	.5	54.0 *	2 JAN 0225 174	0.	.5	54.0 *	2 JAN 1045 274	0.	.5	54.0
1 JAN 1810 75	0.	.5	54.0 *	2 JAN 0230 175	0.	.5	54.0 *	2 JAN 1050 275	0.	.5	54.0
1 JAN 1815 76	0.	.5	54.0 *	2 JAN 0235 176	0.	.5	54.0 *	2 JAN 1055 276	0.	.5	54.0
1 JAN 1820 77	0.	.5	54.0 *	2 JAN 0240 177	0.	.5	54.0 *	2 JAN 1100 277	0.	.5	54.0

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

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

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   * 98
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DETAIN BASIN 9B IN THE SUMP

HYDROGRAPH ROUTING DATA

232 R5 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

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

HYDROGRAPH AT STATION DET

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



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

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.						

HYDROGRAPH AT STATION            9

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

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

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

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

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

PEAK FLOW (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

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*   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

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

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



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

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

CUMULATIVE AREA = .09 SQ MI

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*           *
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	1 NUMBER OF SUBREACHES							
		NSTPS	STOR	TYPE OF INITIAL CONDITION					
				INITIAL CONDITION					
				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.)

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

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

53.12 18.83 53.10 51.14 51.10 51.10

CUMULATIVE AREA = .09 SQ MI

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252 KK * RT_P_23 *
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253 KO OUTPUT CONTROL VARIABLES

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

ROUTE 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

HYDROGRAPH AT STATION RT\_P\_23

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1	JAN	1200	1	0.	.0	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 (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	24.92-HR	
2.	16.92	(CFS)	2.	1.	1.	1.
		(INCHES)	.176	.273	.273	.273



.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.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 L5            SCS LOSS RATE  
                  STRTL            .82    INITIAL ABSTRACTION  
                  CRVNR            71.00    CURVE NUMBER  
                  RTIMP            .00    PERCENT IMPERVIOUS AREA

266 UD            SCS DIMENSIONLESS UNITGRAPH  
                  TLAG            .06    LAG

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

UNIT HYDROGRAPH  
 6 END-OF-PERIOD ORDINATES

87.        50.        11.        3.        1.        0.

HYDROGRAPH AT STATION 10\_CON3

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



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

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

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

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

CUMULATIVE AREA = .02 SQ MI

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*           *
*  MAIN_3  *
*           *
*****

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268 KO OUTPUT CONTROL VARIABLES

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IPRNT      1  PRINT CONTROL
IPLLOT     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

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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

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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.

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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	11.	*	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      TIME      MAXIMUM AVERAGE FLOW
(CFS)          (HR)          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.

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CUMULATIVE AREA = .26 SQ MI

272 KK

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*           *
*   RT_34   *
*           *
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273 KO

OUTPUT CONTROL VARIABLES

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IPRNT      1  PRINT CONTROL
IPLLOT     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

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

HYDROGRAPH ROUTING DATA

276 RS

STORAGE ROUTING

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

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277 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     1225. REACH LENGTH
SEL        .0025 ENERGY SLOPE
ELMAX      .0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

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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

HYDROGRAPH AT STATION RT\_34

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	1200	1	0.	.0	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	120.0
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





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

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

284 UD            SCS DIMENSIONLESS UNITGRAPH  
                   TLAG            .13 LAG

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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.

HYDROGRAPH AT STATION 11\_COM4

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

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

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

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

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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
16.	16.08	(CFS) 2.	1.	1.	1.
		(INCHES) .423	.488	.488	.488
		(AC-FT) 1.	1.	1.	1.

CUMULATIVE AREA = .04 SQ MI

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285 KK

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*           *
* MAIN_4EN * D
*           *
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286 KO

OUTPUT CONTROL VARIABLES

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IPRNT      1  PRINT CONTROL
IPLLOT     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     .003  TIME INTERVAL IN HOURS

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Q IN MAIN LINE AFTER CONFLUENCE WITH CONNECTION 4

288 HC

HYDROGRAPH COMBINATION

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ICOMP      2  NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION MAIN\_4EN  
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	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 (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		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			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	1A	1.	16.08	0.	0.	0.	.01		
ROUTED TO	RT1A	0.	16.92	0.	0.	0.	.01	1.06 16.92	
HYDROGRAPH AT	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_LINER	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_LINES&	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

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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.-PT	Base Wt/or I.D.	No 2L	Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SS Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	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														
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.-PT	Base Wt/or I.D.	No 2L	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

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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

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

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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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/ Base Wt	No ZL	Wth Prs/Pi
L/Elem	Ch Slope					SP Ave	HP	SE Dpth	Proude N	Norm Dp	"N"	X-Fall	ZR Type C
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

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

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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	
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	.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	.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	.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	

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

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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. or I.D.	Base Wt	No Wth	
L/Elem	Ch Slope					SP Ave	HP	SE Dpth	Froude N	Norm Dp	"N"	X-Pall	ZR	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

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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 or I.D.	Base Wt.	No Wth ZL	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

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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 or I.D.	Base Wt.	No Wth ZL	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

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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/ft or I.D.	Base Wt	No Wth ZL		
L/Elem	Ch Slope					SP Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR		
													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	

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

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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. or I.D.	Base Wt. ZL	No Wth 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

.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

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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. or I.D.	Base Wt	No Wth
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZL
													Prs/Pi
													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

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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	Proude N	Norm Dp	"N"	X-Fall	ZR	Type C
10153.880	50.365	.655	51.020	.20	.22	.00	51.02	.00	.15	1.98	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	1.94	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

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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 = 11.6 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	Proude 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	51.019	.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

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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. or I.D.	Base Wt	No Wth		
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C	
10158.700	50.650	.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	

.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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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.	Base Wt or I.D.	No 2L	Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HP	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	2R	Type C
10160.120	50.746	.265	51.012	.20	.81	.01	51.02	.00	.15	1.36	2.000	.000	.00	1
.115	.0612					.0006	.00	.27	.33	.09	.013	.00	.00	PIPE
10160.230	50.753	.257	51.011	.20	.85	.01	51.02	.00	.15	1.34	2.000	.000	.00	1
.130	.0612					.0007	.00	.26	.36	.09	.013	.00	.00	PIPE
10160.360	50.761	.248	51.010	.20	.89	.01	51.02	.00	.15	1.32	2.000	.000	.00	1
.028	.0612					.0008	.00	.25	.38	.09	.013	.00	.00	PIPE
10160.390	50.763	.240	51.003	.20	.94	.01	51.02	.00	.15	1.30	2.000	.000	.00	1
HYDRAULIC JUMP														
10160.390	50.763	.087	50.850	.20	4.19	.27	51.12	.00	.15	.82	2.000	.000	.00	1
46.481	.0612					.0614	2.85	.09	3.05	.09	.013	.00	.00	PIPE
10206.870	53.607	.087	53.694	.20	4.19	.27	53.97	.00	.15	.82	2.000	.000	.00	1
6.537	.0612					.0603	.39	.09	3.05	.09	.013	.00	.00	PIPE
10213.410	54.007	.087	54.094	.20	4.14	.27	54.36	.00	.15	.82	2.000	.000	.00	1
3.700	.0612					.0555	.21	.09	3.00	.09	.013	.00	.00	PIPE
10217.110	54.233	.090	54.324	.20	3.95	.24	54.57	.00	.15	.83	2.000	.000	.00	1

1.485	.0612					.0484	.07	.09	2.02	.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

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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. or I.D.	Base Wt	No Wth ZL	Prs/Pi
L/Elem	Ch Slope					SP Ave	HP	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	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

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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





# LINE A INPUT

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		

# LINE A OUTPUT

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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					SP 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

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ENCINITAS -- COAST HIGHWAY 101

J-14413

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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

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ENCINITAS -- COAST HIGHWAY 101

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

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: 5AJX.WSW

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

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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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

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/ft or I.D.	Base Wt	No ZL	Wth 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	.05	.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

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

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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

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 or I.D.	Base Wt	No ZL	Wth 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

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  
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WATER SURFACE PROFILE LISTING

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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

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	Proude N	Norm Dp	"N"	X-Pall	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

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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

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
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

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

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: SAJX.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. or I.D.	Base Wt	No Wth ZL	Prs/Pi
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

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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WATER SURFACE PROFILE LISTING  
 ENCINITAS -- COAST HIGHWAY 101 J-14413  
 HYDRAULIC ANALYSIS OF LINE A JUNCTION (24" REACH ONLY)

Date: 11-16-2003 Time: 2:31: 1

11-07-0

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: SAJX.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. or I.D.	Base Wt	No ZL	Wth Prs/Pi
L/Elem	Ch Slope					SP 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			

# LINE B OUTPUT

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WATER SURFACE PROFILE LISTING

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ENCINITAS -- COAST HIGHWAY 101

J-14413

11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: SBRR.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/ I.D.	No ZL	Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	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	50.189	.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
209.929	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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ENCINITAS -- COAST HIGHWAY 101

J-14413

11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: SBRR.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/ I.D.	No ZL	Wth Prs/Pi
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L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Proude 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

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ENCINITAS -- COAST HIGHWAY 101

J-14413

11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: 5BRR.WSW

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



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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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. or I.D.	Base Wt.	No ZL	Wth Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	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

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  
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ENCINITAS -- COAST HIGHWAY 101

J-14413

11-16-03

HYDRAULIC ANALYSIS OF LATERAL LINE B

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: SBRR.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 or I.D.	Base Wt	No Wth ZL	Prs/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Proude N	Norm Dp	"N"	X-Pall	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

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ENCINITAS COAST HWY 101

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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
	.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

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### 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

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ENCINITAS COAST HWY 101

J-14413

11-16-03

HYDRAULIC ANALYSIS OF LINE C

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

PN: 5CRR.NSW

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 or I.D.	Base Wt	No Wth	
L/Elem	Ch Slope													
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/ft	Base Wt/ft	No ZL	Wth Pre/Pi
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type C
570.190	51.220	.363	51.583	.50	1.94	.06	51.64	.00	.29	.96	1.000	.000	.00	0
- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

WALL ENTRANCE

# 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 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 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 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

→ FILE: 5GRR.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: 2:31:42

ENCINITAS -- COAST HIGHWAY 101

J-14413

11-16-0

HYDRAULIC ANALYSIS OF LINE G

RECOMMENDED IMPROVEMENTS: 5-YEAR STORM

FN: 5GRR.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 or I.D.	Base Wt. ZL	No Wth Prs/Pi	
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Proude N	Norm Dp	"N"	X-Fall	ZR	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 = 0.8 Q = 1 CFS  
g = 32.2 ft/s<sup>2</sup>

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

*Individual (hand) lines 9-25-03*  
HEC-1 PROSR1, Inc 9-26-03

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

$$D = \sqrt{\frac{4A}{\pi}}$$

*A (in<sup>2</sup>) = A (ft<sup>2</sup>) / 12<sup>2</sup>*

LOCATION	HGL (ft)	PONDED WSEL (ft)	P. H (ft)	A = Q/C(SQRT(2gH)) (ft <sup>2</sup> )	DIAMETER (ft)	A (in <sup>2</sup> )	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	4.13
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	19.68	5.01
LINE G	49.02	52.5	3.48	0.11	0.38	16.03	4.52
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 (with 12" dia pipe)  
Backup see station report Basin 2 Sump & Basin 1 9-25-03 (hand notes)

\*\* Q @ CONNECTION 1 = 7.42 CFS - HEC-1 (FN PROSR1, Inc)  
THE RADIUS WAS IMBEDDED 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

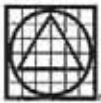
EQN:  $0.24 = 5.11r^2$

WHICH WAS REDUCED FROM THE ORIFICE EQUATION WITH A AND H IN TERMS OF r

*Backup see station report Basin 2 Sump & Basin 1 9-25-03 (hand notes)*

WHERE r IS THE RADIUS IN FEET

r	2.40E-01	r (inches)	d (inches)	A (in <sup>2</sup> )
0.5	2.88E-01	8.00	12.00	113.04
0.4	1.21E-01	4.80	9.60	72.35
0.45	1.91E-01	5.40	10.80	91.58
0.46	2.08E-01	5.52	11.04	95.68
0.47	2.20E-01	5.64	11.28	99.88
0.48	2.46E-01	5.76	11.52	104.18
0.49	2.68E-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	122.29



9-21-03

14413

Encinitas Coast Hwy

Tailwater Cals in main line (FN: MAIN.wsw) for individual lines

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
7806.67	LINE G	7.64	1.5		49.0	49.5

From Storm Drain Plans

LINE B IS NOT UNDER PRESSURE, ALL OTHER LINES ARE UNDER PRESSURE (DEPTH > SIZE)

STARTING WSEL<sup>(plus)</sup> FOR LINES C, D, E, & G WILL BE CALC. BASED ON EGL.

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

$$V = \frac{Q}{A}$$

Q = 1 cfs FOR ALL LINES

$$A = \pi r^2$$

$$= \pi (1.75 \text{ ft})^2$$

$$A = 1.77 \text{ ft}^2$$

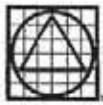
$$V = \frac{1}{1.77}$$

$$V = 0.56 \text{ ft/s}$$

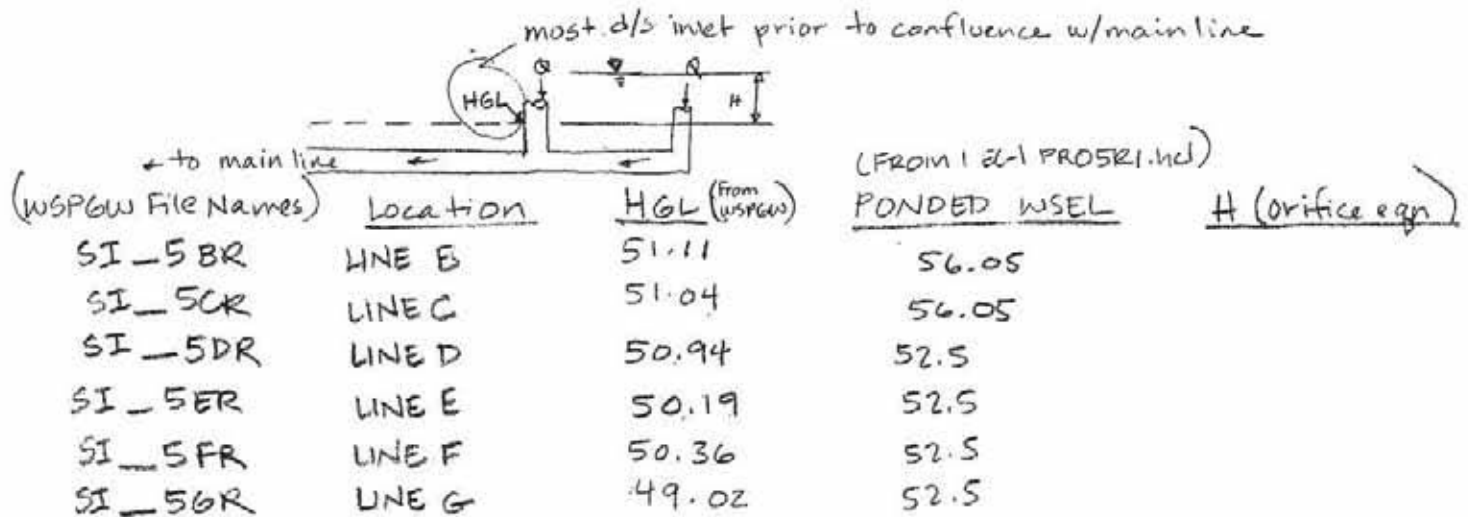
$$\frac{V^2}{2g} = \frac{(0.56)^2}{2(32.2)}$$

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

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



Individual lines, HGL at v/s (entrance)



USE ORIFICE EQN. TO SOLVE FOR REQUIRED AREA OF OPENING

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

$$C = 0.6$$

$$g = 32.2 \text{ ft/s}^2$$

$$H = \text{VARIABLE}$$

$$Q = 1 \text{ CFS}$$

(EXCEPT FOR LINE F, SIZING ONE ORIFICE PLATE FOR LINE E & LINE F)

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

↓ SEE EXCEL SPREASHEET FOR CALCS.

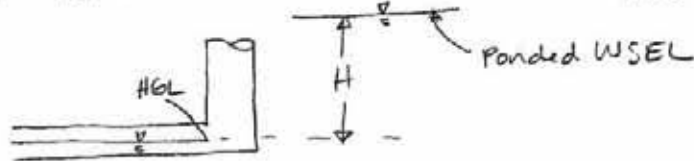
\* Starting WSEL (P/S) IS FROM WSPGW MAIN LINE (MAIN-5100)  
See hand calcs 9-21-03 (Tailwater Calc in Mainline)

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.

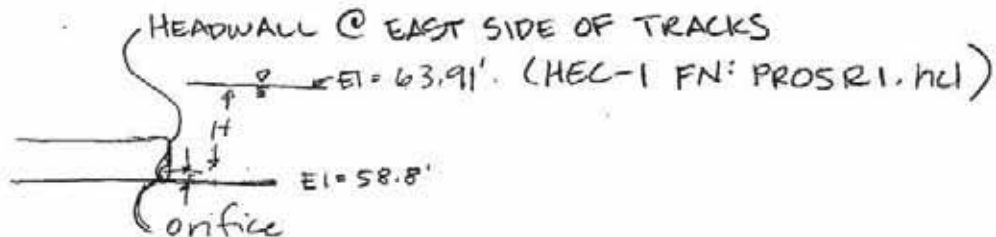


$$HGL = 51.11$$

Ponded WSEL = 66.20 (From HEC-1 FN: PROSR1.hcl)

See spreadsheet dated 9-23-03 for  
orifice calcs.

Orifice @ Connection 1:



$$A = \pi r^2$$

$$H = (63.91 - 58.8) - r$$

$$Q = 7.42 cfs$$

$$C = 0.6$$

$$g = 32.2 \text{ ft/s}^2$$



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

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

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

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

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

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

$$2.37 = A^2 H$$

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

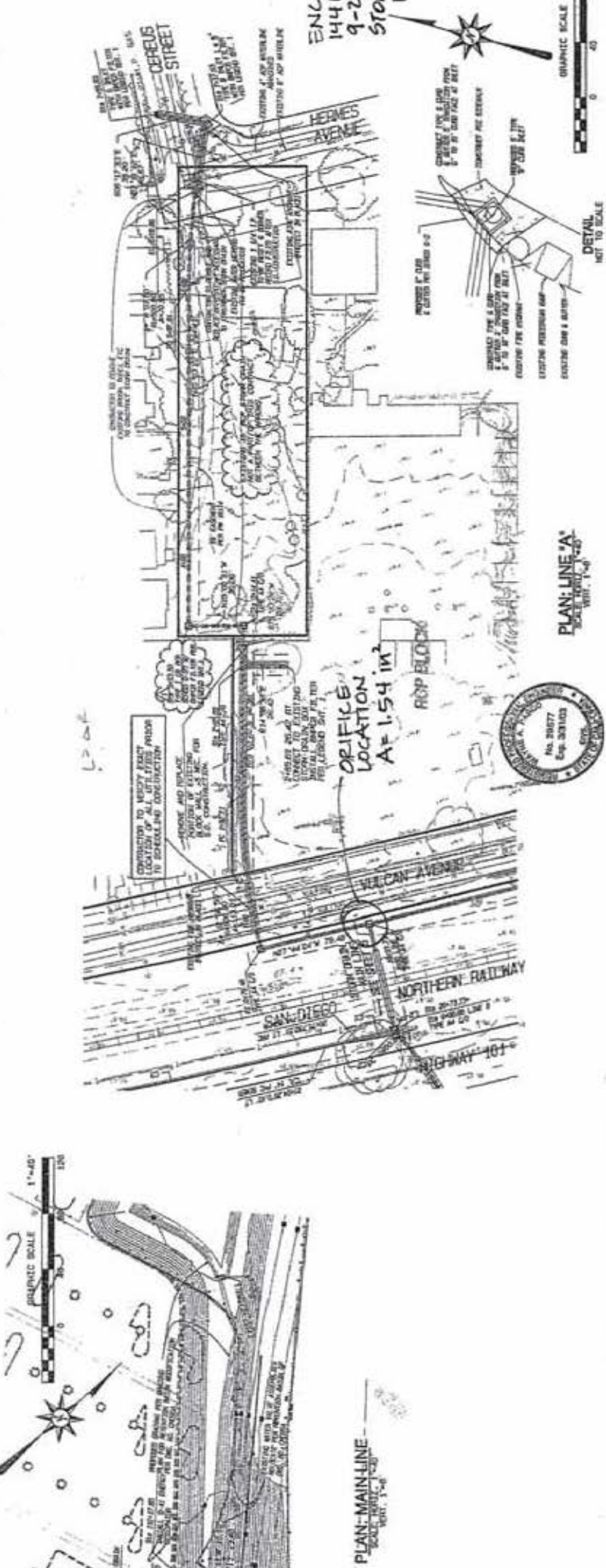
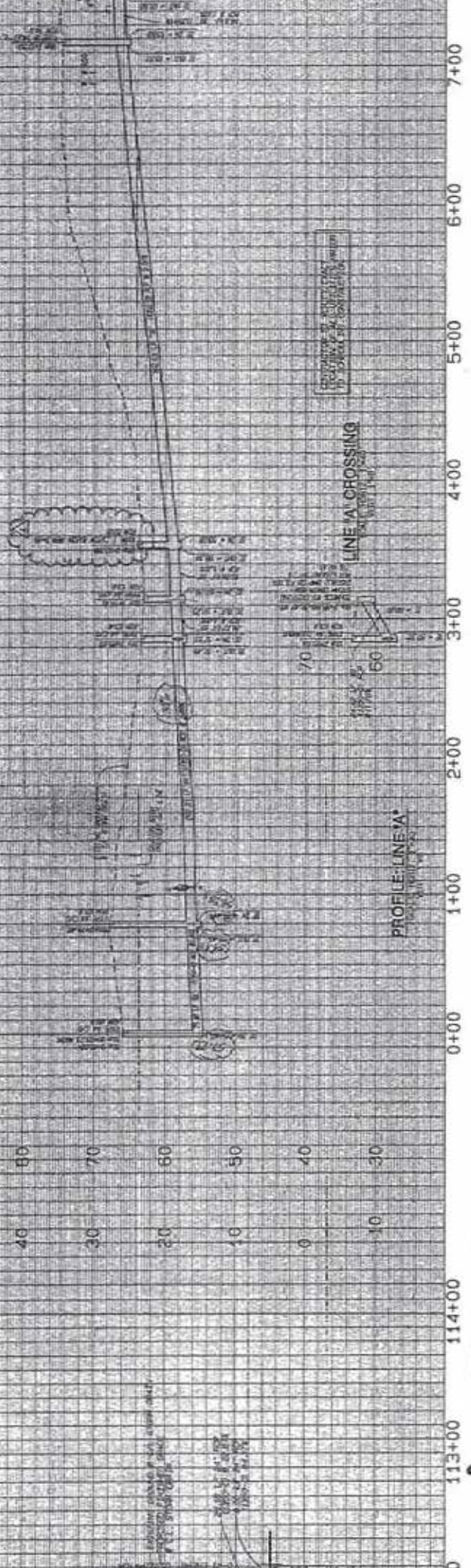
$$2.37 = 9.86 r^4 (5.11 - r)$$

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

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

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





NO.	REFERENCES	DATE	BENCHMARK	SCALE	CITY OF CARLSBAD	APPROVALS	CITY OF ENCINITAS ENGINEERING DEPARTMENT
			BENCH MARK POINT OF BENCH MARK TO BE SET BY SURVEYOR DATE: 8/2/61 R.C.S. NO. 28372 DATE: 8-2-61	HORIZONTAL 1"=40' VERTICAL 1"=20'	CITY OF CARLSBAD APPROVED BY: LEO B. TAYLOR DATE:	RECOMMENDED BY: WALTER J. PARRISH BY: WALTER J. PARRISH PLAN NO. ENC-101 DATE: 8-2-61	IMPROVEMENT PLAN FOR <b>MAIN LINE AND LINE "A"</b> WORK PROJECT NO. CH09EA & CEE97A

PLAN: MAIN LINE  
 SCALE: HORIZ. 1"=40'  
 VERT. 1"=20'

PLAN: LINE "A"  
 SCALE: HORIZ. 1"=40'  
 VERT. 1"=20'

DETAIL  
 NET TO SCALE

GRAPHIC SCALE  
 0 40 80

GRAPHIC SCALE  
 0 40 80

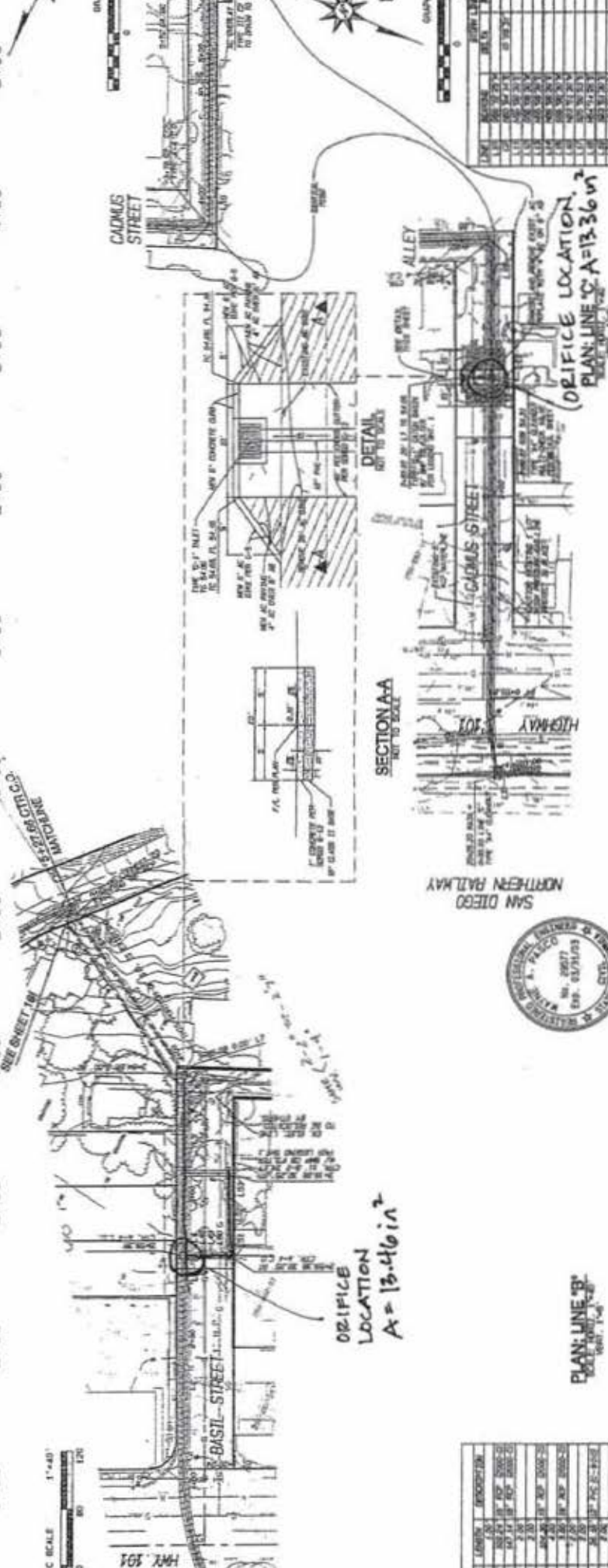
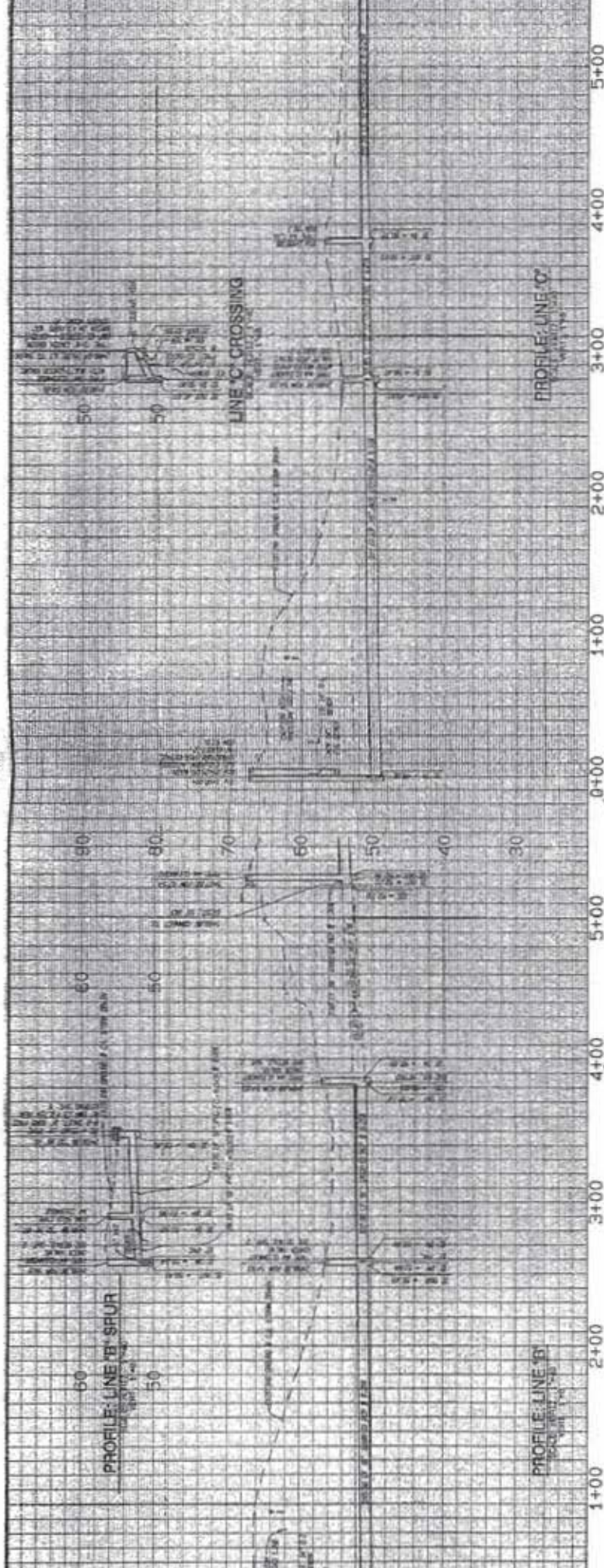
No. 28372  
 Exp. 3-21-63

No. 28372  
 Exp. 3-21-63

No. 28372  
 Exp. 3-21-63

No. 28372  
 Exp. 3-21-63

No. 28372  
 Exp. 3-21-63



NO.	DESCRIPTION	DATE
1	PREPARED	10/1/21
2	CHECKED	10/1/21
3	APPROVED	10/1/21
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	



PLAN: LINE 'B'  
SCALE: 1"=40'

ORIFICE  
LOCATION  
A = 13.46 in<sup>2</sup>

SAN DIEGO  
NORTHERN RAILWAY

SECTION A-A  
NOT TO SCALE

ORIFICE LOCATION  
PLAN: LINE 'C': A = 13.36 m<sup>2</sup>

CADMIUS STREET

6' ALLEY

HIGHWAY

HWY 101

GRAPHIC SCALE  
1"=40'

GRAPHIC SCALE  
1"=40'

GRAPHIC SCALE  
1"=40'



SEE SHEET 10  
MINOR  
SCALE: 1"=20'

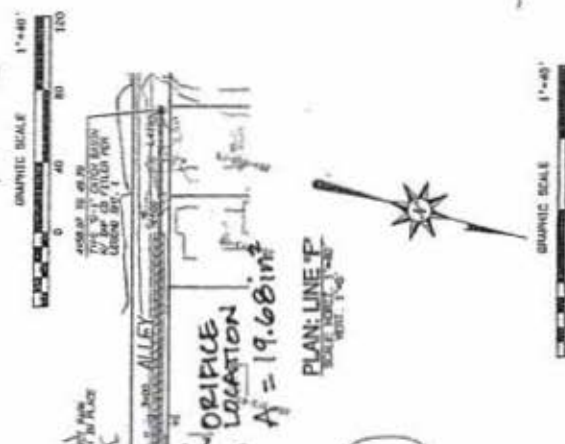
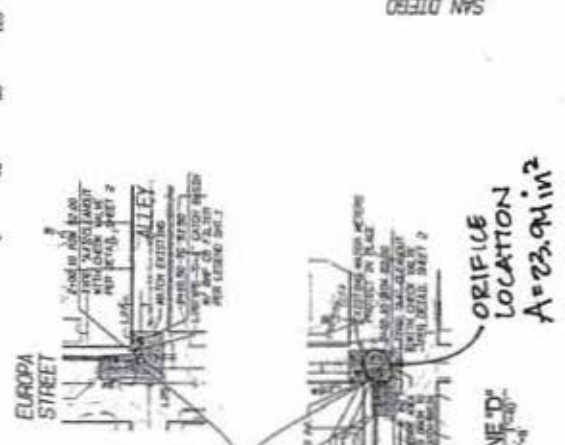
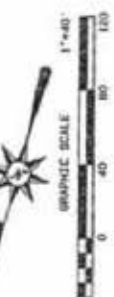
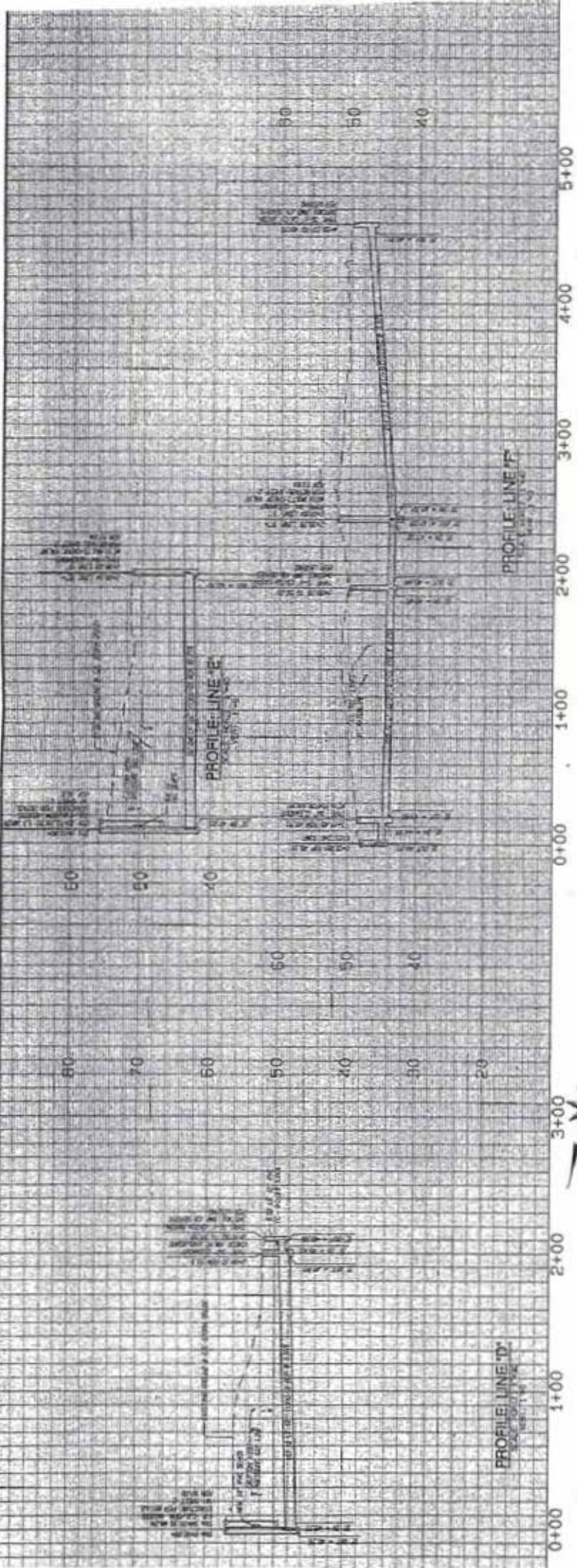
PROFILE: LINE 'B' SPUR  
SCALE: 1"=40'

PROFILE: LINE 'C'  
SCALE: 1"=40'

LINE 'C' CROSSING

ENGINITAS  
 14413  
 9-22-03  
 STORM DP  
 D, E, & F

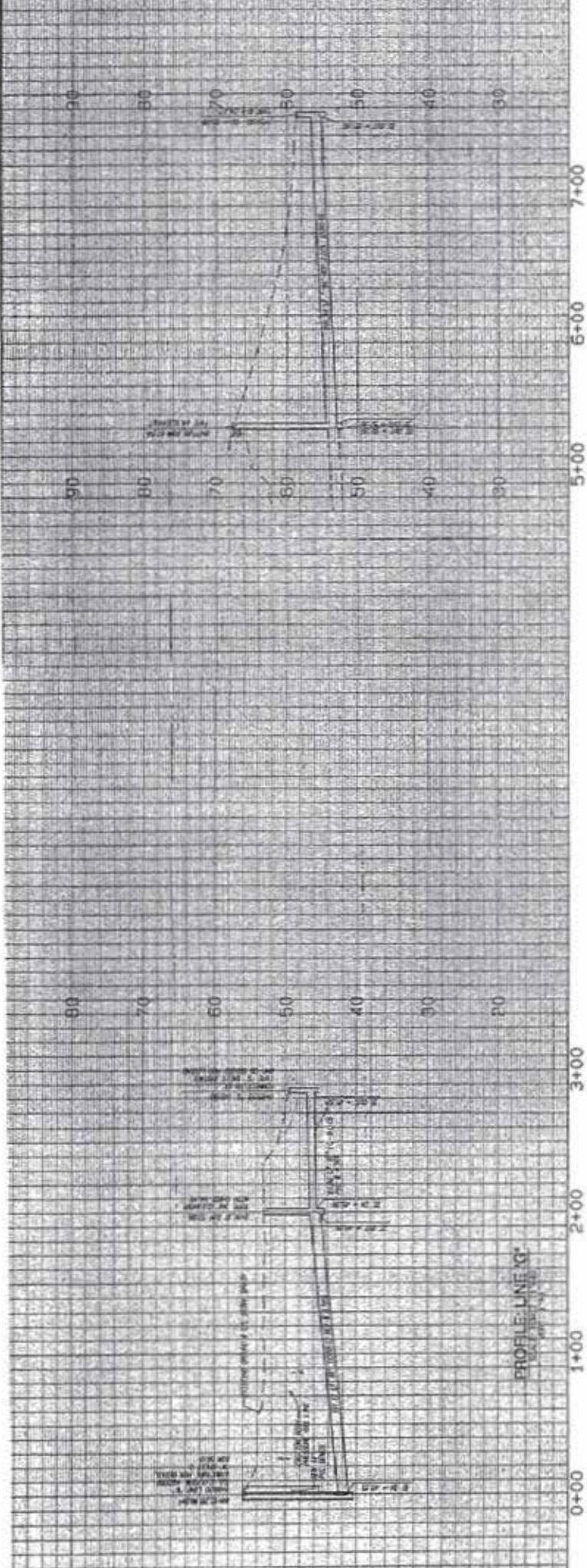
NO.	DATE	BY	REVISION
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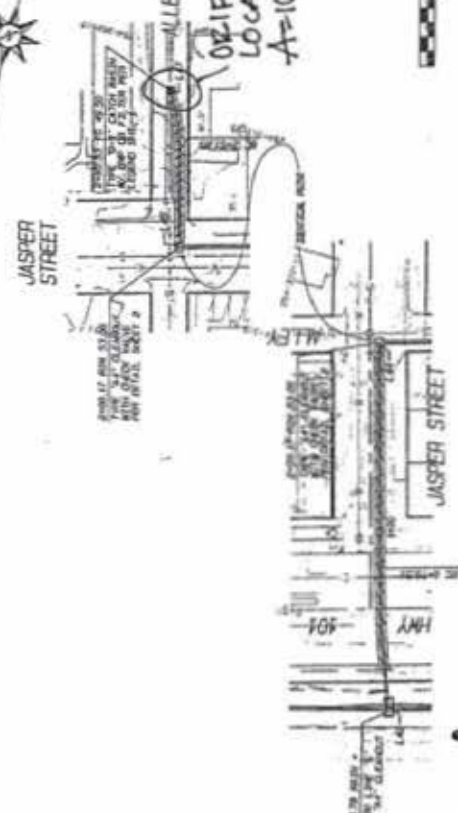
NO.	DATE	BY	REVISION
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ENGIN  
14141  
9-2  
STOR  
LINE

PLAN: ATHENA EXTENSION

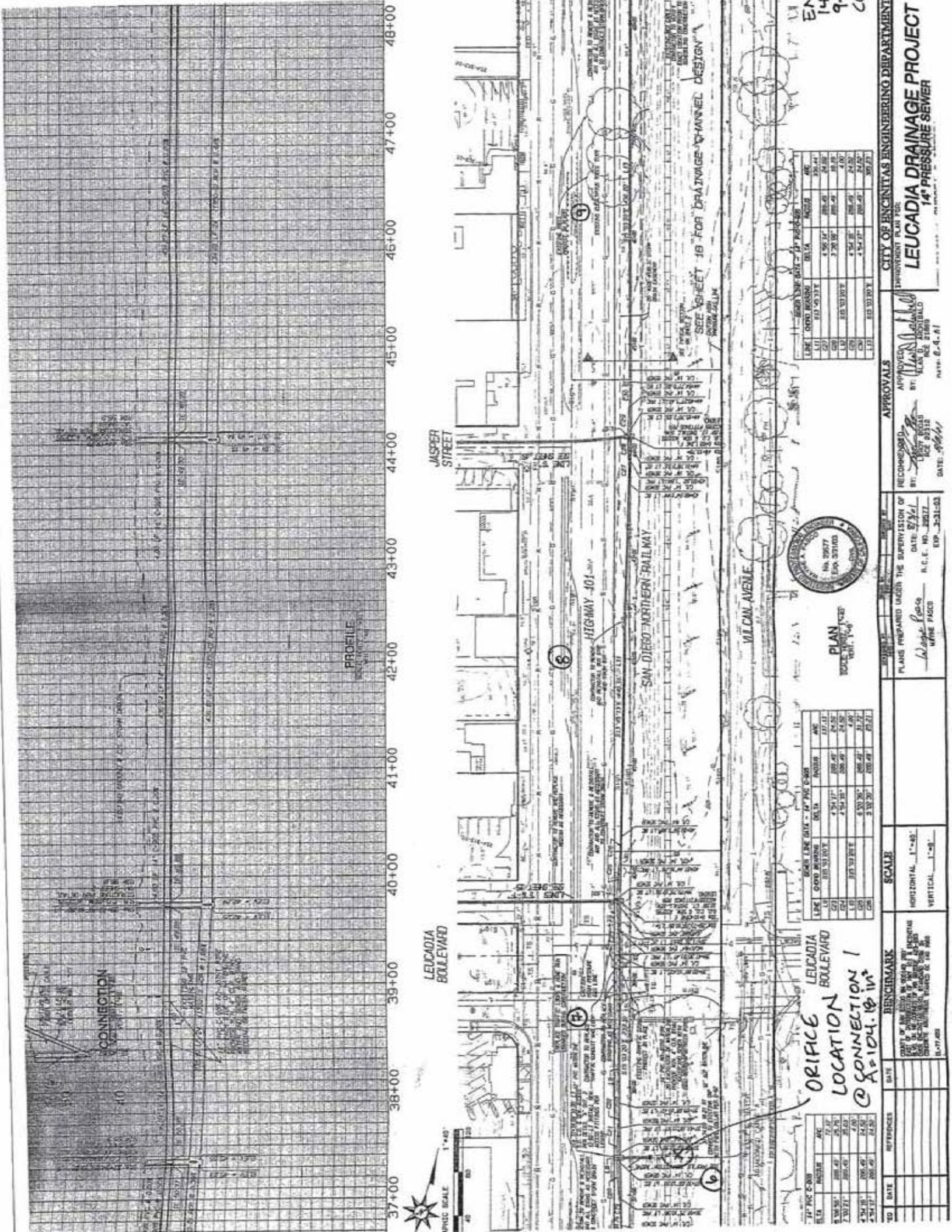


ORIFICE  
LOCATION  
 $A = 16.03 \text{ in}^2$



LINE	STATION	BEFORE	AFTER	LENGTH	REMARKS
1	0+00	10.00	10.00	0.00	START OF CURVE
2	0+10	10.00	10.00	0.00	
3	0+20	10.00	10.00	0.00	
4	0+30	10.00	10.00	0.00	
5	0+40	10.00	10.00	0.00	
6	0+50	10.00	10.00	0.00	
7	0+60	10.00	10.00	0.00	
8	0+70	10.00	10.00	0.00	
9	0+80	10.00	10.00	0.00	
10	0+90	10.00	10.00	0.00	
11	1+00	10.00	10.00	0.00	
12	1+10	10.00	10.00	0.00	
13	1+20	10.00	10.00	0.00	
14	1+30	10.00	10.00	0.00	
15	1+40	10.00	10.00	0.00	
16	1+50	10.00	10.00	0.00	
17	1+60	10.00	10.00	0.00	
18	1+70	10.00	10.00	0.00	
19	1+80	10.00	10.00	0.00	
20	1+90	10.00	10.00	0.00	
21	2+00	10.00	10.00	0.00	
22	2+10	10.00	10.00	0.00	
23	2+20	10.00	10.00	0.00	
24	2+30	10.00	10.00	0.00	
25	2+40	10.00	10.00	0.00	
26	2+50	10.00	10.00	0.00	
27	2+60	10.00	10.00	0.00	
28	2+70	10.00	10.00	0.00	
29	2+80	10.00	10.00	0.00	
30	2+90	10.00	10.00	0.00	
31	3+00	10.00	10.00	0.00	
32	3+10	10.00	10.00	0.00	
33	3+20	10.00	10.00	0.00	
34	3+30	10.00	10.00	0.00	
35	3+40	10.00	10.00	0.00	
36	3+50	10.00	10.00	0.00	
37	3+60	10.00	10.00	0.00	
38	3+70	10.00	10.00	0.00	
39	3+80	10.00	10.00	0.00	
40	3+90	10.00	10.00	0.00	
41	4+00	10.00	10.00	0.00	
42	4+10	10.00	10.00	0.00	
43	4+20	10.00	10.00	0.00	
44	4+30	10.00	10.00	0.00	
45	4+40	10.00	10.00	0.00	
46	4+50	10.00	10.00	0.00	
47	4+60	10.00	10.00	0.00	
48	4+70	10.00	10.00	0.00	
49	4+80	10.00	10.00	0.00	
50	4+90	10.00	10.00	0.00	
51	5+00	10.00	10.00	0.00	
52	5+10	10.00	10.00	0.00	
53	5+20	10.00	10.00	0.00	
54	5+30	10.00	10.00	0.00	
55	5+40	10.00	10.00	0.00	
56	5+50	10.00	10.00	0.00	
57	5+60	10.00	10.00	0.00	
58	5+70	10.00	10.00	0.00	
59	5+80	10.00	10.00	0.00	
60	5+90	10.00	10.00	0.00	
61	6+00	10.00	10.00	0.00	
62	6+10	10.00	10.00	0.00	
63	6+20	10.00	10.00	0.00	
64	6+30	10.00	10.00	0.00	
65	6+40	10.00	10.00	0.00	
66	6+50	10.00	10.00	0.00	
67	6+60	10.00	10.00	0.00	
68	6+70	10.00	10.00	0.00	
69	6+80	10.00	10.00	0.00	
70	6+90	10.00	10.00	0.00	
71	7+00	10.00	10.00	0.00	

PLAN: LINE 'G'



ORIFICE LOCATION @ Sta. 104.16 1/4"

LINE	ORIFICE BEARING	DETA	ANGLE	ARE
LI1	112° 03' 32"	4' 50' 17"	88° 49'	35.41
LI2	112° 03' 32"	3' 20' 00"	88° 49'	25.41
LI3	112° 03' 32"	4' 54' 31"	88° 49'	35.41
LI4	112° 03' 32"	4' 54' 31"	88° 49'	35.41
LI5	112° 03' 32"	4' 54' 31"	88° 49'	35.41

LINE	ORIFICE BEARING	DETA	ANGLE	ARE
LI1	112° 03' 32"	4' 54' 31"	88° 49'	35.41
LI2	112° 03' 32"	3' 20' 00"	88° 49'	25.41
LI3	112° 03' 32"	4' 54' 31"	88° 49'	35.41
LI4	112° 03' 32"	4' 54' 31"	88° 49'	35.41
LI5	112° 03' 32"	4' 54' 31"	88° 49'	35.41

**CITY OF ENCINITAS ENGINEERING DEPARTMENT**

**LEUCADIA DRAINAGE PROJECT**  
14" PRESSURE SEWER

APPROVALS

RECOMMENDED BY: *[Signature]* DATE: 8/1/11

APPROVED BY: *[Signature]* DATE: 8/1/11

DATE: 8-4-11

PLANS PREPARED UNDER THE SUPERVISION OF: *[Signature]* DATE: 8/1/11

DATE: 8-4-11

SCALE: HORIZONTAL 1"=40' VERTICAL 1"=8'

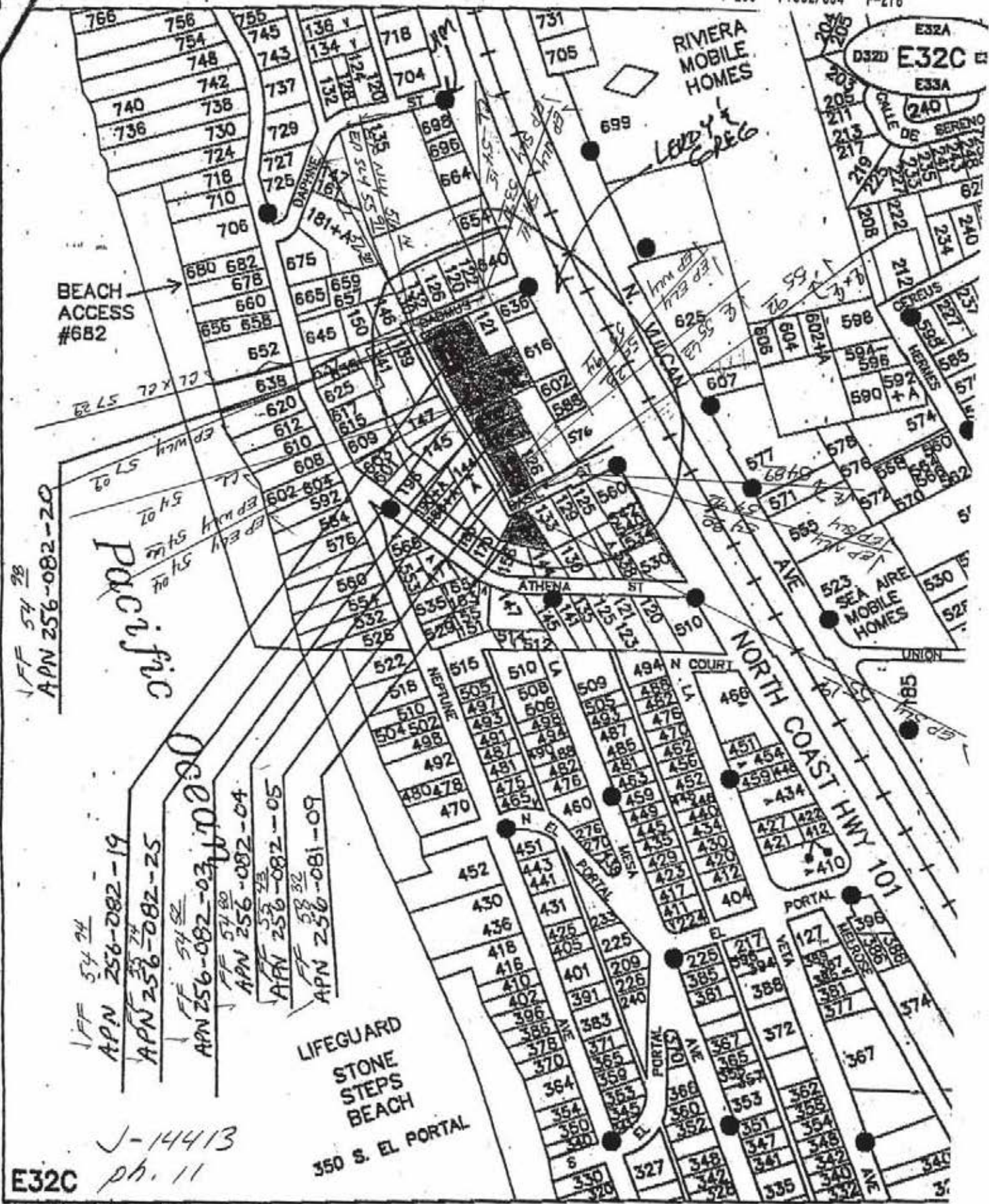
REFERENCES: BENCHMARK: *[Signature]* DATE: 8/1/11

PROJECT NO. 104.16 1/4"

DATE: 8-4-11

## **APPENDIX F**

### **Field Survey Data Taken May 2003**



E32C

J-14413  
ph. 11

— F<sub>c</sub> of Top of Cub on 100-200 foot intervals

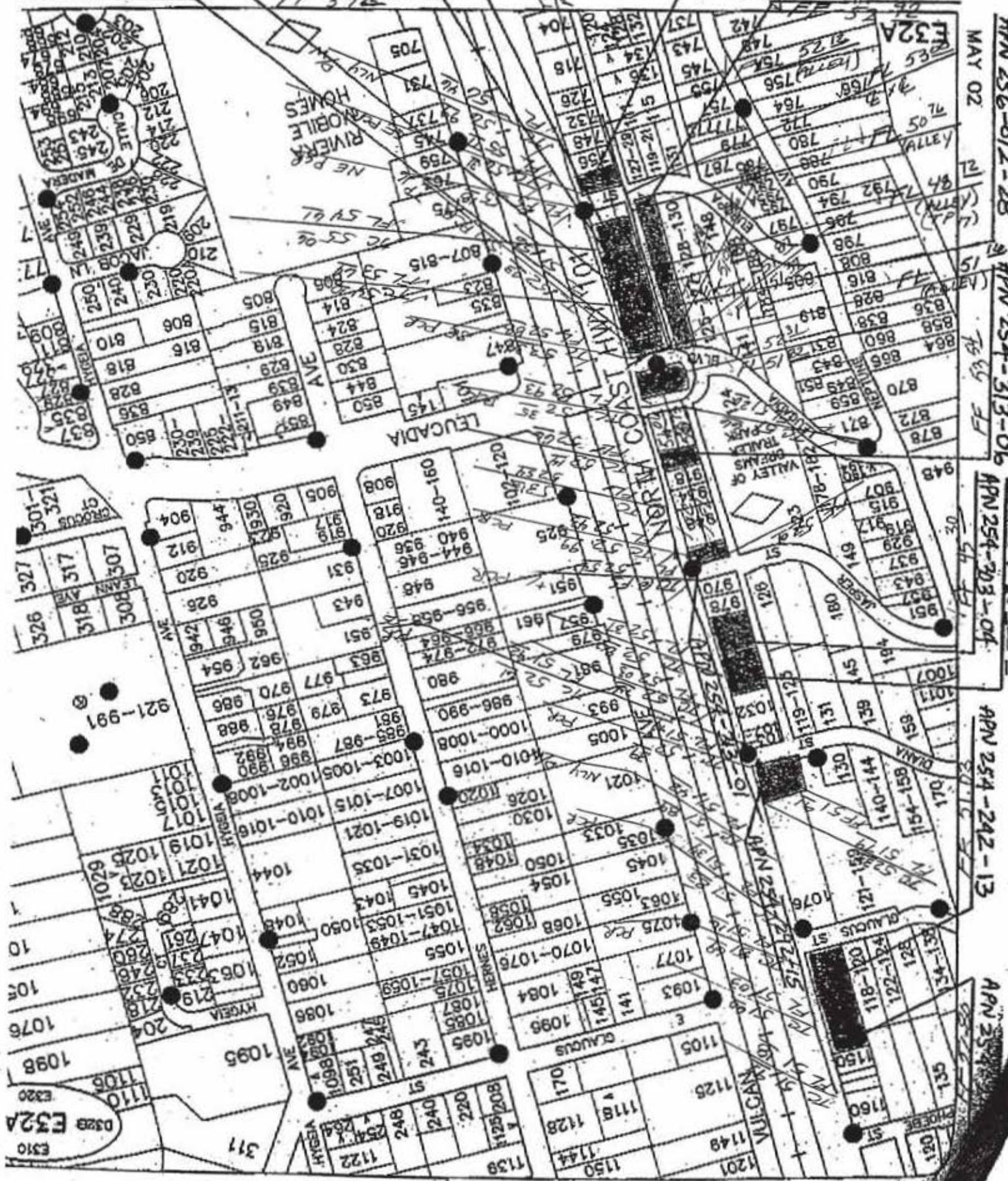
UNAVL 02

FF  
APN 256-014-11  
FF 5712  
APN 256-014-12

FF 5362 (SUB PALACE)  
APN 256-014-09  
FF 5715  
APN 256-014-10

FF 5238  
APN 256-023-08

APN 256-012-22  
FF 5272







OCCUP

APN 254-230-21  
HERRIES ST

APN 254-242-13

D31D

**MAP POCKET 1**

**Hydrologic Workmap for Coast Highway 101**



1B

1

2

3

4

5

6

7

8

9A

9

9B

10

11

5-YR PONDING WELL IMPROVEMENTS FT

5-YR PONDING WELL IMPROVEMENTS FT

5-YR PONDING WELL IMPROVEMENTS FT

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