

1	0200	25	1927.	*	1	0800	97	2069.	*	1	1400	169	12375.	*	1	2000	241	5383.
1	0205	26	1933.	*	1	0805	98	2069.	*	1	1405	170	12647.	*	1	2005	242	5364.
1	0210	27	1942.	*	1	0810	99	2070.	*	1	1410	171	13009.	*	1	2010	243	5345.
1	0215	28	1952.	*	1	0815	100	2070.	*	1	1415	172	13309.	*	1	2015	244	5325.
1	0220	29	1963.	*	1	0820	101	2072.	*	1	1420	173	13468.	*	1	2020	245	5304.
1	0225	30	1971.	*	1	0825	102	2072.	*	1	1425	174	13481.	*	1	2025	246	5281.
1	0230	31	1978.	*	1	0830	103	2074.	*	1	1430	175	13377.	*	1	2030	247	5257.
1	0235	32	1982.	*	1	0835	104	2074.	*	1	1435	176	13188.	*	1	2035	248	5231.
1	0240	33	1987.	*	1	0840	105	2075.	*	1	1440	177	12939.	*	1	2040	249	5206.
1	0245	34	1990.	*	1	0845	106	2076.	*	1	1445	178	12650.	*	1	2045	250	5177.
1	0250	35	1994.	*	1	0850	107	2077.	*	1	1450	179	12337.	*	1	2050	251	5149.
1	0255	36	1997.	*	1	0855	108	2078.	*	1	1455	180	12012.	*	1	2055	252	5120.
1	0300	37	2001.	*	1	0900	109	2079.	*	1	1500	181	11684.	*	1	2100	253	5090.
1	0305	38	2004.	*	1	0905	110	2080.	*	1	1505	182	11361.	*	1	2105	254	5060.
1	0310	39	2007.	*	1	0910	111	2082.	*	1	1510	183	11045.	*	1	2110	255	5031.
1	0315	40	2009.	*	1	0915	112	2082.	*	1	1515	184	10741.	*	1	2115	256	5006.
1	0320	41	2012.	*	1	0920	113	2084.	*	1	1520	185	10443.	*	1	2120	257	4982.
1	0325	42	2014.	*	1	0925	114	2086.	*	1	1525	186	10137.	*	1	2125	258	4959.
1	0330	43	2017.	*	1	0930	115	2087.	*	1	1530	187	9832.	*	1	2130	259	4939.
1	0335	44	2019.	*	1	0935	116	2089.	*	1	1535	188	9550.	*	1	2135	260	4920.
1	0340	45	2021.	*	1	0940	117	2091.	*	1	1540	189	9299.	*	1	2140	261	4903.
1	0345	46	2023.	*	1	0945	118	2093.	*	1	1545	190	9071.	*	1	2145	262	4886.
1	0350	47	2025.	*	1	0950	119	2095.	*	1	1550	191	8849.	*	1	2150	263	4870.
1	0355	48	2026.	*	1	0955	120	2097.	*	1	1555	192	8640.	*	1	2155	264	4854.
1	0400	49	2028.	*	1	1000	121	2099.	*	1	1600	193	8456.	*	1	2200	265	4838.
1	0405	50	2030.	*	1	1005	122	2101.	*	1	1605	194	8291.	*	1	2205	266	4823.
1	0410	51	2031.	*	1	1010	123	2104.	*	1	1610	195	8136.	*	1	2210	267	4807.
1	0415	52	2033.	*	1	1015	124	2108.	*	1	1615	196	7990.	*	1	2215	268	4790.
1	0420	53	2034.	*	1	1020	125	2110.	*	1	1620	197	7849.	*	1	2220	269	4771.
1	0425	54	2035.	*	1	1025	126	2115.	*	1	1625	198	7713.	*	1	2225	270	4750.
1	0430	55	2037.	*	1	1030	127	2119.	*	1	1630	199	7580.	*	1	2230	271	4729.
1	0435	56	2038.	*	1	1035	128	2125.	*	1	1635	200	7449.	*	1	2235	272	4708.
1	0440	57	2039.	*	1	1040	129	2131.	*	1	1640	201	7323.	*	1	2240	273	4687.
1	0445	58	2040.	*	1	1045	130	2138.	*	1	1645	202	7202.	*	1	2245	274	4667.
1	0450	59	2041.	*	1	1050	131	2145.	*	1	1650	203	7086.	*	1	2250	275	4646.
1	0455	60	2042.	*	1	1055	132	2154.	*	1	1655	204	6975.	*	1	2255	276	4627.
1	0500	61	2043.	*	1	1100	133	2164.	*	1	1700	205	6870.	*	1	2300	277	4607.
1	0505	62	2044.	*	1	1105	134	2175.	*	1	1705	206	6772.	*	1	2305	278	4588.
1	0510	63	2045.	*	1	1110	135	2188.	*	1	1710	207	6678.	*	1	2310	279	4569.
1	0515	64	2046.	*	1	1115	136	2202.	*	1	1715	208	6590.	*	1	2315	280	4550.
1	0520	65	2047.	*	1	1120	137	2223.	*	1	1720	209	6505.	*	1	2320	281	4532.
1	0525	66	2048.	*	1	1125	138	2259.	*	1	1725	210	6428.	*	1	2325	282	4515.
1	0530	67	2049.	*	1	1130	139	2316.	*	1	1730	211	6356.	*	1	2330	283	4499.
1	0535	68	2049.	*	1	1135	140	2413.	*	1	1735	212	6290.	*	1	2335	284	4483.
1	0540	69	2050.	*	1	1140	141	2575.	*	1	1740	213	6229.	*	1	2340	285	4467.
1	0545	70	2051.	*	1	1145	142	2847.	*	1	1745	214	6173.	*	1	2345	286	4452.
1	0550	71	2052.	*	1	1150	143	3256.	*	1	1750	215	6121.	*	1	2350	287	4437.
1	0555	72	2052.	*	1	1155	144	3796.	*	1	1755	216	6071.	*	1	2355	288	4421.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	23.92-HR
16473.	13.08	10491.	4941.	4941.	4941.
		(INCHES)	.273	.512	.512
		(AC-FT)	5202.	9767.	9767.

CUMULATIVE AREA = 357.51 SQ MI

*** **

1359 KK

* *
* DP31 *
* *

COMBINE RUNOFF FROM RT 234, MSC 4210 & FC 4110 (D/S BOUNDARY)

1361 KO

OUTPUT CONTROL VARIABLES

IPRNT 0 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 288 LAST ORDINATE PUNCHED OR SAVED
TIMINT .083 TIME INTERVAL IN HOURS

1362 HC

HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION DP31
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		0000	1	2819.	*	1		0600	73	2946.	*	1		1200	145	4727.	*	1		1800	217	7830.
1		0005	2	2819.	*	1		0605	74	2947.	*	1		1205	146	5425.	*	1		1805	218	7759.
1		0010	3	2819.	*	1		0610	75	2948.	*	1		1210	147	6104.	*	1		1810	219	7693.
1		0015	4	2819.	*	1		0615	76	2949.	*	1		1215	148	6709.	*	1		1815	220	7632.
1		0020	5	2819.	*	1		0620	77	2949.	*	1		1220	149	7285.	*	1		1820	221	7576.
1		0025	6	2819.	*	1		0625	78	2950.	*	1		1225	150	7925.	*	1		1825	222	7524.
1		0030	7	2819.	*	1		0630	79	2951.	*	1		1230	151	8725.	*	1		1830	223	7475.
1		0035	8	2819.	*	1		0635	80	2952.	*	1		1235	152	9777.	*	1		1835	224	7429.
1		0040	9	2819.	*	1		0640	81	2952.	*	1		1240	153	11127.	*	1		1840	225	7386.
1		0045	10	2819.	*	1		0645	82	2953.	*	1		1245	154	12677.	*	1		1845	226	7346.
1		0050	11	2819.	*	1		0650	83	2954.	*	1		1250	155	14199.	*	1		1850	227	7308.
1		0055	12	2819.	*	1		0655	84	2954.	*	1		1255	156	15497.	*	1		1855	228	7273.
1		0100	13	2819.	*	1		0700	85	2955.	*	1		1300	157	16505.	*	1		1900	229	7239.
1		0105	14	2819.	*	1		0705	86	2956.	*	1		1305	158	17278.	*	1		1905	230	7207.
1		0110	15	2819.	*	1		0710	87	2956.	*	1		1310	159	17894.	*	1		1910	231	7176.
1		0115	16	2819.	*	1		0715	88	2957.	*	1		1315	160	18394.	*	1		1915	232	7147.
1		0120	17	2819.	*	1		0720	89	2958.	*	1		1320	161	18774.	*	1		1920	233	7118.
1		0125	18	2819.	*	1		0725	90	2959.	*	1		1325	162	19007.	*	1		1925	234	7091.
1		0130	19	2819.	*	1		0730	91	2960.	*	1		1330	163	19067.	*	1		1930	235	7064.
1		0135	20	2819.	*	1		0735	92	2961.	*	1		1335	164	18949.	*	1		1935	236	7038.

1	0140	21	2819.	*	1	0740	93	2961.	*	1	1340	165	18664.	*	1	1940	237	7012.
1	0145	22	2819.	*	1	0745	94	2962.	*	1	1345	166	18237.	*	1	1945	238	6985.
1	0150	23	2819.	*	1	0750	95	2963.	*	1	1350	167	17705.	*	1	1950	239	6958.
1	0155	24	2819.	*	1	0755	96	2964.	*	1	1355	168	17112.	*	1	1955	240	6931.
1	0200	25	2819.	*	1	0800	97	2965.	*	1	1400	169	16502.	*	1	2000	241	6905.
1	0205	26	2819.	*	1	0805	98	2966.	*	1	1405	170	15918.	*	1	2005	242	6879.
1	0210	27	2819.	*	1	0810	99	2967.	*	1	1410	171	15402.	*	1	2010	243	6854.
1	0215	28	2819.	*	1	0815	100	2967.	*	1	1415	172	14997.	*	1	2015	244	6830.
1	0220	29	2820.	*	1	0820	101	2968.	*	1	1420	173	14734.	*	1	2020	245	6807.
1	0225	30	2820.	*	1	0825	102	2969.	*	1	1425	174	14625.	*	1	2025	246	6784.
1	0230	31	2821.	*	1	0830	103	2971.	*	1	1430	175	14658.	*	1	2030	247	6762.
1	0235	32	2823.	*	1	0835	104	2972.	*	1	1435	176	14797.	*	1	2035	248	6740.
1	0240	33	2826.	*	1	0840	105	2973.	*	1	1440	177	14980.	*	1	2040	249	6717.
1	0245	34	2831.	*	1	0845	106	2974.	*	1	1445	178	15137.	*	1	2045	250	6691.
1	0250	35	2837.	*	1	0850	107	2976.	*	1	1450	179	15216.	*	1	2050	251	6666.
1	0255	36	2844.	*	1	0855	108	2978.	*	1	1455	180	15196.	*	1	2055	252	6642.
1	0300	37	2853.	*	1	0900	109	2980.	*	1	1500	181	15083.	*	1	2100	253	6626.
1	0305	38	2861.	*	1	0905	110	2983.	*	1	1505	182	14895.	*	1	2105	254	6615.
1	0310	39	2869.	*	1	0910	111	2985.	*	1	1510	183	14650.	*	1	2110	255	6603.
1	0315	40	2875.	*	1	0915	112	2987.	*	1	1515	184	14366.	*	1	2115	256	6586.
1	0320	41	2881.	*	1	0920	113	2990.	*	1	1520	185	14058.	*	1	2120	257	6561.
1	0325	42	2886.	*	1	0925	114	2992.	*	1	1525	186	13736.	*	1	2125	258	6530.
1	0330	43	2890.	*	1	0930	115	2995.	*	1	1530	187	13409.	*	1	2130	259	6496.
1	0335	44	2894.	*	1	0935	116	2997.	*	1	1535	188	13083.	*	1	2135	260	6457.
1	0340	45	2897.	*	1	0940	117	3000.	*	1	1540	189	12760.	*	1	2140	261	6415.
1	0345	46	2900.	*	1	0945	118	3003.	*	1	1545	190	12443.	*	1	2145	262	6371.
1	0350	47	2903.	*	1	0950	119	3006.	*	1	1550	191	12131.	*	1	2150	263	6329.
1	0355	48	2906.	*	1	0955	120	3009.	*	1	1555	192	11824.	*	1	2155	264	6289.
1	0400	49	2909.	*	1	1000	121	3012.	*	1	1600	193	11527.	*	1	2200	265	6254.
1	0405	50	2912.	*	1	1005	122	3015.	*	1	1605	194	11242.	*	1	2205	266	6222.
1	0410	51	2914.	*	1	1010	123	3019.	*	1	1610	195	10974.	*	1	2210	267	6195.
1	0415	52	2917.	*	1	1015	124	3024.	*	1	1615	196	10723.	*	1	2215	268	6173.
1	0420	53	2919.	*	1	1020	125	3029.	*	1	1620	197	10490.	*	1	2220	269	6155.
1	0425	54	2921.	*	1	1025	126	3035.	*	1	1625	198	10274.	*	1	2225	270	6139.
1	0430	55	2923.	*	1	1030	127	3040.	*	1	1630	199	10074.	*	1	2230	271	6125.
1	0435	56	2925.	*	1	1035	128	3046.	*	1	1635	200	9890.	*	1	2235	272	6110.
1	0440	57	2926.	*	1	1040	129	3053.	*	1	1640	201	9720.	*	1	2240	273	6094.
1	0445	58	2928.	*	1	1045	130	3059.	*	1	1645	202	9560.	*	1	2245	274	6076.
1	0450	59	2930.	*	1	1050	131	3066.	*	1	1650	203	9408.	*	1	2250	275	6055.
1	0455	60	2931.	*	1	1055	132	3074.	*	1	1655	204	9263.	*	1	2255	276	6030.
1	0500	61	2932.	*	1	1100	133	3081.	*	1	1700	205	9122.	*	1	2300	277	6002.
1	0505	62	2934.	*	1	1105	134	3089.	*	1	1705	206	8986.	*	1	2305	278	5973.
1	0510	63	2935.	*	1	1110	135	3097.	*	1	1710	207	8853.	*	1	2310	279	5944.
1	0515	64	2936.	*	1	1115	136	3108.	*	1	1715	208	8725.	*	1	2315	280	5915.
1	0520	65	2938.	*	1	1120	137	3125.	*	1	1720	209	8602.	*	1	2320	281	5889.
1	0525	66	2939.	*	1	1125	138	3150.	*	1	1725	210	8485.	*	1	2325	282	5864.
1	0530	67	2940.	*	1	1130	139	3186.	*	1	1730	211	8374.	*	1	2330	283	5841.
1	0535	68	2941.	*	1	1135	140	3240.	*	1	1735	212	8269.	*	1	2335	284	5819.
1	0540	69	2942.	*	1	1140	141	3324.	*	1	1740	213	8169.	*	1	2340	285	5799.
1	0545	70	2943.	*	1	1145	142	3469.	*	1	1745	214	8076.	*	1	2345	286	5779.
1	0550	71	2944.	*	1	1150	143	3725.	*	1	1750	215	7988.	*	1	2350	287	5759.
1	0555	72	2945.	*	1	1155	144	4137.	*	1	1755	216	7906.	*	1	2355	288	5739.
			*					*					*					

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	23.92-HR
19067.	13.50	12572.	6259.	6259.	6259.

(INCHES)	.280	.556	.556	.556
(AC-FT)	6234.	12371.	12371.	12371.

CUMULATIVE AREA = 417.14 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	2510	46.	13.08	40.	34.	34.	2.16		
ROUTED TO	RT163A	46.	13.25	40.	34.	34.	2.16		
ROUTED TO	RT163B	46.	13.42	40.	34.	34.	2.16		
ROUTED TO	RT163C	46.	13.58	40.	34.	34.	2.16		
ROUTED TO	RT163D	46.	13.83	40.	34.	34.	2.16		
ROUTED TO	RT163E	46.	14.00	40.	34.	34.	2.16		
ROUTED TO	RT163F	46.	14.33	40.	34.	34.	2.16		
HYDROGRAPH AT	2511	102.	12.92	66.	43.	43.	3.76		
HYDROGRAPH AT	2512	138.	12.92	84.	50.	50.	5.62		
HYDROGRAPH AT	2513	53.	12.92	43.	35.	35.	1.88		
HYDROGRAPH AT	2610	49.	12.92	41.	34.	34.	1.41		
5 COMBINED AT	DP10	374.	12.92	272.	195.	195.	14.83		
ROUTED TO	RT200A	373.	12.92	272.	195.	195.	14.83		
ROUTED TO	RT200B	373.	13.00	272.	195.	195.	14.83		
HYDROGRAPH AT	2611	46.	12.75	38.	33.	33.	1.02		
2 COMBINED AT	DP11	417.	13.00	310.	228.	228.	15.85		
ROUTED TO	RT202	416.	13.17	310.	228.	228.	15.85		

HYDROGRAPH AT	2410	49.	12.83	41.	34.	34.	2.46
ROUTED TO	RT153	49.	13.42	41.	34.	34.	2.46
HYDROGRAPH AT	2411	44.	13.00	39.	34.	34.	1.97
2 COMBINED AT	DP73	93.	13.33	80.	68.	68.	4.43
ROUTED TO	RT155A	93.	13.42	80.	68.	68.	4.43
ROUTED TO	RT155B	93.	13.50	80.	68.	68.	4.43
ROUTED TO	RT155C	93.	13.58	80.	68.	68.	4.43
ROUTED TO	RT155D	93.	13.67	80.	68.	68.	4.43
ROUTED TO	RT155E	93.	13.75	80.	68.	68.	4.43
ROUTED TO	RT155F	93.	13.83	80.	68.	68.	4.43
HYDROGRAPH AT	2412	54.	13.00	43.	35.	35.	1.82
2 COMBINED AT	DP75	141.	13.75	122.	102.	102.	6.25
ROUTED TO	NCAT	0.	.08	0.	0.	0.	6.25
							9339.68
							23.92
HYDROGRAPH AT	2413	42.	12.67	36.	32.	32.	.78
ROUTED TO	RT157	42.	13.08	36.	32.	32.	.78
HYDROGRAPH AT	2414	75.	12.83	53.	39.	39.	3.17
2 COMBINED AT	DP79	116.	12.92	89.	71.	71.	3.95
ROUTED TO	RT159	116.	13.17	89.	70.	70.	3.95
HYDROGRAPH AT	2415	51.	12.83	42.	34.	34.	1.67
2 COMBINED AT							

	DP81	165.	13.17	130.	105.	105.	5.62		
ROUTED TO									
	SCAT	77.	23.92	66.	23.	23.	5.62		
								9335.62	23.92
2 COMBINED AT									
	DP77	77.	23.92	66.	23.	23.	11.87		
ROUTED TO									
	RT161A	76.	23.92	65.	22.	22.	11.87		
ROUTED TO									
	RT161B	75.	23.92	64.	21.	21.	11.87		
HYDROGRAPH AT									
	2416	123.	12.67	64.	42.	42.	1.68		
2 COMBINED AT									
	DP83	123.	12.67	105.	63.	63.	13.55		
HYDROGRAPH AT									
	2417	47.	12.42	35.	32.	32.	.24		
HYDROGRAPH AT									
	2310	128.	12.67	69.	44.	44.	2.55		
ROUTED TO									
	RT149A	128.	12.75	69.	43.	43.	2.55		
ROUTED TO									
	RT149B	128.	12.92	69.	43.	43.	2.55		
HYDROGRAPH AT									
	2311	90.	12.67	56.	39.	39.	1.94		
2 COMBINED AT									
	DP69	214.	12.83	124.	82.	82.	4.49		
ROUTED TO									
	CCR	86.	22.08	85.	53.	53.	4.49		
								9230.92	21.75
ROUTED TO									
	RT151	86.	22.25	85.	53.	53.	4.49		
HYDROGRAPH AT									
	2312	68.	12.42	42.	34.	34.	.56		
2 COMBINED AT									
	DP71	120.	21.33	119.	87.	87.	5.05		
4 COMBINED AT									
	DP13	660.	13.08	544.	409.	409.	34.69		
ROUTED TO									
	RT204	660.	13.33	544.	406.	406.	34.69		
HYDROGRAPH AT									
	2710	172.	12.67	83.	48.	48.	2.55		

HYDROGRAPH AT	2810	104.	12.58	55.	39.	39.	1.11
3 COMBINED AT	DP14	856.	13.17	672.	492.	492.	38.35
ROUTED TO	RT206	856.	13.25	672.	491.	491.	38.35
HYDROGRAPH AT	2910	158.	12.58	74.	45.	45.	1.78
HYDROGRAPH AT	2210	215.	12.75	99.	53.	53.	2.51
3 COMBINED AT	DP15	1143.	13.08	840.	589.	589.	42.64
ROUTED TO	RT208A	1141.	13.17	840.	586.	586.	42.64
ROUTED TO	RT208B	1141.	13.33	840.	584.	584.	42.64
HYDROGRAPH AT	2110	96.	12.67	58.	40.	40.	1.90
HYDROGRAPH AT	2111	98.	12.67	58.	40.	40.	1.91
2 COMBINED AT	DP63	194.	12.67	116.	80.	80.	3.81
ROUTED TO	RT143	193.	12.75	116.	80.	80.	3.81
HYDROGRAPH AT	2112	48.	12.58	37.	32.	32.	.37
HYDROGRAPH AT	2113	77.	12.67	51.	37.	37.	1.77
ROUTED TO	RT145A	77.	12.83	51.	37.	37.	1.77
ROUTED TO	RT145B	77.	12.92	51.	37.	37.	1.77
ROUTED TO	RT145C	76.	13.00	51.	37.	37.	1.77
ROUTED TO	RT145D	76.	13.17	51.	37.	37.	1.77
HYDROGRAPH AT	2114	95.	12.67	56.	39.	39.	1.61
4 COMBINED AT	DP65	392.	12.83	258.	188.	188.	7.56

	DP61	539.	12.83	360.	240.	240.	10.37		
HYDROGRAPH AT									
	3011	254.	12.50	97.	52.	52.	1.95		
3 COMBINED AT									
	DP17	2288.	13.08	1637.	1137.	1137.	64.05		
ROUTED TO									
	RT212A	2287.	13.17	1637.	1135.	1135.	64.05		
ROUTED TO									
	RT212B	2287.	13.25	1637.	1132.	1132.	64.05		
HYDROGRAPH AT									
	3012	80.	12.33	44.	35.	35.	.56		
HYDROGRAPH AT									
	3110	173.	12.58	80.	47.	47.	1.78		
HYDROGRAPH AT									
	1910	165.	12.50	73.	44.	44.	1.50		
4 COMBINED AT									
	DP18	2548.	13.25	1824.	1258.	1258.	67.89		
ROUTED TO									
	RT214A	2543.	13.33	1823.	1256.	1256.	67.89		
ROUTED TO									
	RT214B	2539.	13.33	1823.	1255.	1255.	67.89		
HYDROGRAPH AT									
	3111	78.	12.50	45.	35.	35.	.43		
HYDROGRAPH AT									
	1911	176.	12.50	75.	45.	45.	1.30		
HYDROGRAPH AT									
	1713	117.	12.67	65.	42.	42.	2.30		
ROUTED TO									
	LKM	45.	20.17	45.	20.	20.	2.30	10222.25	19.92
ROUTED TO									
	RT129A	45.	20.33	45.	19.	19.	2.30		
ROUTED TO									
	RT129B	45.	20.50	45.	19.	19.	2.30		
ROUTED TO									
	RT129C	45.	20.75	45.	18.	18.	2.30		
HYDROGRAPH AT									
	1714	133.	12.67	70.	44.	44.	2.20		
HYDROGRAPH AT									
	1715	84.	12.58	50.	37.	37.	1.00		

2 COMBINED AT	DP53	216.	12.67	120.	81.	81.	3.20		
ROUTED TO	BTR	134.	13.75	111.	74.	74.	3.20		
								9331.15	13.75
ROUTED TO	RT131	134.	13.92	111.	73.	73.	3.20		
HYDROGRAPH AT	1710	146.	12.67	77.	47.	47.	2.90		
HYDROGRAPH AT	1711	113.	12.75	65.	42.	42.	2.40		
2 COMBINED AT	DP54	258.	12.67	142.	89.	89.	5.30		
HYDROGRAPH AT	1712	129.	12.67	69.	44.	44.	2.40		
HYDROGRAPH AT	1716	71.	12.50	44.	35.	35.	.70		
5 COMBINED AT	DP51	538.	12.75	393.	259.	259.	13.90		
ROUTED TO	RT133A	536.	12.75	393.	258.	258.	13.90		
ROUTED TO	RT133B	536.	12.83	393.	258.	258.	13.90		
ROUTED TO	RT133C	535.	12.92	393.	257.	257.	13.90		
ROUTED TO	RT133D	534.	13.00	393.	256.	256.	13.90		
HYDROGRAPH AT	1718	171.	12.58	78.	46.	46.	1.70		
HYDROGRAPH AT	1717	173.	12.58	81.	47.	47.	2.20		
3 COMBINED AT	DP55	834.	12.83	546.	350.	350.	17.80		
4 COMBINED AT	DP21	3413.	13.25	2479.	1683.	1683.	87.42		
ROUTED TO	RT216	3411.	13.33	2479.	1679.	1679.	87.42		
HYDROGRAPH AT	3310	307.	12.58	122.	60.	60.	2.30		
HYDROGRAPH AT	1810	123.	12.42	57.	39.	39.	.72		

HYDROGRAPH AT	1610	158.	12.50	75.	45.	45.	2.10
ROUTED TO	RT123	158.	12.67	75.	45.	45.	2.10
HYDROGRAPH AT	1611	80.	12.50	46.	36.	36.	.70
HYDROGRAPH AT	1612	126.	12.50	63.	41.	41.	1.50
3 COMBINED AT	DP45	360.	12.58	184.	122.	122.	4.30
ROUTED TO	RT125	359.	12.67	184.	122.	122.	4.30
HYDROGRAPH AT	1613	72.	12.50	44.	35.	35.	.60
2 COMBINED AT	DP47	428.	12.67	228.	157.	157.	4.90
ROUTED TO	RT127	426.	12.75	228.	156.	156.	4.90
HYDROGRAPH AT	1614	142.	12.50	63.	41.	41.	.90
2 COMBINED AT	DP49	549.	12.75	289.	197.	197.	5.80
HYDROGRAPH AT	3210	228.	12.58	95.	51.	51.	1.81
ROUTED TO	RT165A	228.	12.67	95.	51.	51.	1.81
ROUTED TO	RT165B	227.	12.75	95.	51.	51.	1.81
ROUTED TO	RT165C	226.	12.83	95.	51.	51.	1.81
ROUTED TO	RT165D	225.	12.92	95.	51.	51.	1.81
ROUTED TO	RT165E	225.	13.08	95.	51.	51.	1.81
ROUTED TO	RT165F	224.	13.17	95.	51.	51.	1.81
HYDROGRAPH AT	3211	140.	12.67	69.	43.	43.	1.13
2 COMBINED AT	DP50	336.	13.08	161.	93.	93.	2.94

5 COMBINED AT	DP22	4402.	13.25	3092.	2068.	2068.	99.18
ROUTED TO	RT218	4398.	13.25	3092.	2066.	2066.	99.18
HYDROGRAPH AT	3510	111.	12.50	54.	38.	38.	.61
HYDROGRAPH AT	3410	165.	12.50	70.	43.	43.	1.00
3 COMBINED AT	DP23	4561.	13.25	3209.	2146.	2146.	100.79
ROUTED TO	RT220	4559.	13.33	3209.	2143.	2143.	100.79
HYDROGRAPH AT	1510	236.	12.58	100.	53.	53.	2.50
HYDROGRAPH AT	3610	183.	12.50	79.	46.	46.	1.71
ROUTED TO	RT167	182.	12.67	79.	46.	46.	1.71
HYDROGRAPH AT	3611	209.	12.50	85.	48.	48.	1.53
HYDROGRAPH AT	3612	138.	12.50	65.	42.	42.	1.15
3 COMBINED AT	DP85	520.	12.58	229.	136.	136.	4.39
ROUTED TO	RT169A	518.	12.67	229.	136.	136.	4.39
ROUTED TO	RT169B	515.	12.75	228.	135.	135.	4.39
ROUTED TO	RT169C	514.	12.83	228.	135.	135.	4.39
HYDROGRAPH AT	3613	186.	12.58	82.	47.	47.	1.45
HYDROGRAPH AT	3614	198.	12.58	84.	48.	48.	1.32
3 COMBINED AT	DP87	872.	12.75	393.	230.	230.	7.16
ROUTED TO	RT171A	866.	12.83	393.	230.	230.	7.16
ROUTED TO	RT171B	865.	12.83	393.	230.	230.	7.16

ROUTED TO	RT171C	864.	12.92	393.	229.	229.	7.16
HYDROGRAPH AT	3615	389.	12.58	139.	65.	65.	2.06
2 COMBINED AT	DP89	1180.	12.83	528.	294.	294.	9.22
ROUTED TO	RT173A	1173.	12.92	528.	294.	294.	9.22
ROUTED TO	RT173B	1168.	13.00	528.	293.	293.	9.22
ROUTED TO	RT173C	1160.	13.08	528.	293.	293.	9.22
ROUTED TO	RT173D	1155.	13.08	528.	293.	293.	9.22
ROUTED TO	RT173E	1148.	13.17	527.	292.	292.	9.22
HYDROGRAPH AT	3616	467.	12.67	169.	73.	73.	2.37
2 COMBINED AT	DP90	1479.	13.08	688.	366.	366.	11.59
3 COMBINED AT	DP24	6169.	13.17	3987.	2562.	2562.	114.88
ROUTED TO	RT222	6163.	13.25	3986.	2556.	2556.	114.88
HYDROGRAPH AT	1410	284.	12.33	92.	49.	49.	.64
HYDROGRAPH AT	3810	137.	12.33	56.	38.	38.	.37
HYDROGRAPH AT	3811	124.	12.33	53.	37.	37.	.34
4 COMBINED AT	DP25	6402.	13.25	4159.	2680.	2680.	116.23
ROUTED TO	RT224	6390.	13.33	4158.	2677.	2677.	116.23
HYDROGRAPH AT	3710	157.	12.50	65.	41.	41.	.50
ROUTED TO	RT175A	157.	12.58	65.	41.	41.	.50
ROUTED TO	RT175B	157.	12.67	65.	41.	41.	.50

HYDROGRAPH AT	3812	229.	12.50	85.	47.	47.	.94
HYDROGRAPH AT	1310	101.	12.33	48.	36.	36.	.32
4 COMBINED AT	DP26	6649.	13.33	4342.	2800.	2800.	117.99
ROUTED TO	RT226	6640.	13.42	4341.	2796.	2796.	117.99
HYDROGRAPH AT	3813	132.	12.42	58.	39.	39.	.50
HYDROGRAPH AT	1311	92.	12.50	48.	36.	36.	.32
HYDROGRAPH AT	DP515	10416.	12.92	6072.	2071.	2071.	238.70
4 COMBINED AT	DP27	16473.	13.08	10491.	4941.	4941.	357.51
ROUTED TO	RT228	16396.	13.17	10485.	4933.	4933.	357.51
HYDROGRAPH AT	1210	47.	12.17	38.	33.	33.	1.10
HYDROGRAPH AT	1211	93.	12.67	67.	45.	45.	5.77
2 COMBINED AT	DP39	136.	12.50	105.	78.	78.	6.87
ROUTED TO	RT119A	136.	12.75	105.	78.	78.	6.87
ROUTED TO	RT119B	136.	12.92	105.	78.	78.	6.87
ROUTED TO	RT119C	136.	13.17	105.	77.	77.	6.87
ROUTED TO	RT119D	136.	13.33	105.	77.	77.	6.87
ROUTED TO	RT119E	136.	13.58	105.	77.	77.	6.87
HYDROGRAPH AT	1212	349.	12.25	107.	56.	56.	3.08
HYDROGRAPH AT	1213	120.	12.08	47.	36.	36.	.82
3 COMBINED AT	DP41	511.	12.17	253.	169.	169.	10.77

ROUTED TO	RT121	506.	12.25	253.	168.	168.	10.77
HYDROGRAPH AT	1214	160.	11.92	44.	34.	34.	.23
2 COMBINED AT	DP43	562.	12.25	294.	203.	203.	11.00
2 COMBINED AT	DP28	16697.	13.17	10769.	5136.	5136.	368.51
ROUTED TO	RT230A	16653.	13.17	10763.	5127.	5127.	368.51
ROUTED TO	RT230B	16606.	13.25	10759.	5118.	5118.	368.51
HYDROGRAPH AT	3910	271.	12.17	76.	45.	45.	1.27
ROUTED TO	RT177A	269.	12.33	76.	44.	44.	1.27
ROUTED TO	RT177B	264.	12.50	76.	44.	44.	1.27
HYDROGRAPH AT	3911	315.	12.08	81.	46.	46.	1.22
HYDROGRAPH AT	3912	559.	12.17	124.	59.	59.	1.19
3 COMBINED AT	DP93	903.	12.08	279.	150.	150.	3.68
ROUTED TO	RT179	829.	12.50	278.	149.	149.	3.68
HYDROGRAPH AT	3913	389.	12.17	106.	54.	54.	1.96
HYDROGRAPH AT	3914	237.	12.17	68.	42.	42.	.62
3 COMBINED AT	DP95	1305.	12.33	450.	245.	245.	6.26
ROUTED TO	RT181A	1229.	12.58	449.	244.	244.	6.26
ROUTED TO	RT181B	1174.	12.83	448.	243.	243.	6.26
HYDROGRAPH AT	3916	517.	12.17	121.	58.	58.	1.02
HYDROGRAPH AT	3915	288.	12.25	87.	48.	48.	1.08

3 COMBINED AT	DP96	1502.	12.75	649.	349.	349.	8.36
HYDROGRAPH AT	1110	81.	12.08	52.	38.	38.	3.07
ROUTED TO	RT111A	81.	12.25	52.	38.	38.	3.07
ROUTED TO	RT111B	80.	12.42	52.	38.	38.	3.07
ROUTED TO	RT111C	80.	12.58	52.	38.	38.	3.07
ROUTED TO	RT111D	79.	12.75	52.	38.	38.	3.07
ROUTED TO	RT111E	77.	12.92	52.	38.	38.	3.07
HYDROGRAPH AT	1111	60.	12.83	50.	38.	38.	4.33
HYDROGRAPH AT	1112	39.	21.08	36.	33.	33.	1.68
3 COMBINED AT	DP32	175.	12.92	137.	109.	109.	9.08
ROUTED TO	RT113A	174.	13.00	137.	109.	109.	9.08
ROUTED TO	RT113B	175.	13.17	137.	109.	109.	9.08
ROUTED TO	RT113C	173.	13.33	137.	109.	109.	9.08
ROUTED TO	RT113D	173.	13.42	137.	109.	109.	9.08
HYDROGRAPH AT	1114	50.	21.08	45.	36.	36.	4.80
HYDROGRAPH AT	1115	52.	21.00	45.	37.	37.	4.51
2 COMBINED AT	DP35	101.	21.08	90.	73.	73.	9.31
ROUTED TO	RT115A	100.	21.17	90.	73.	73.	9.31
ROUTED TO	RT115B	101.	21.33	90.	73.	73.	9.31
HYDROGRAPH AT	1113	65.	12.25	46.	36.	36.	1.91

HYDROGRAPH AT	1116	42.	12.33	36.	32.	32.	.88
4 COMBINED AT	DP33	350.	13.42	305.	250.	250.	21.18
ROUTED TO	RT117A	349.	13.67	305.	249.	249.	21.18
ROUTED TO	RT117B	348.	13.83	305.	249.	249.	21.18
ROUTED TO	RT117C	347.	14.08	305.	249.	249.	21.18
ROUTED TO	RT117D	346.	14.25	305.	248.	248.	21.18
ROUTED TO	RT117E	346.	14.50	305.	248.	248.	21.18
HYDROGRAPH AT	1117	538.	12.08	131.	63.	63.	3.88
2 COMBINED AT	DP37	748.	12.08	418.	311.	311.	25.06
3 COMBINED AT	DP29	18134.	13.25	11773.	5778.	5778.	401.93
ROUTED TO	RT232A	18113.	13.25	11771.	5765.	5765.	401.93
ROUTED TO	RT232B	18095.	13.33	11768.	5753.	5753.	401.93
HYDROGRAPH AT	4010	540.	12.17	122.	58.	58.	1.44
ROUTED TO	RT183	533.	12.58	122.	58.	58.	1.44
HYDROGRAPH AT	4011	310.	12.08	80.	46.	46.	1.17
HYDROGRAPH AT	4012	392.	12.08	94.	50.	50.	1.55
3 COMBINED AT	DP97	848.	12.58	295.	154.	154.	4.16
ROUTED TO	RT185	831.	12.75	295.	153.	153.	4.16
HYDROGRAPH AT	4013	283.	12.00	67.	41.	41.	.83
HYDROGRAPH AT	4014	248.	12.00	59.	39.	39.	.53

3 COMBINED AT	DP98	1038.	12.17	420.	234.	234.	5.52
ROUTED TO	RT187	1038.	12.33	420.	233.	233.	5.52
HYDROGRAPH AT	4015	935.	12.00	155.	69.	69.	1.41
2 COMBINED AT	DP99	1669.	12.08	572.	303.	303.	6.93
HYDROGRAPH AT	4016	366.	12.00	73.	44.	44.	.53
HYDROGRAPH AT	1118	393.	12.33	128.	63.	63.	4.15
4 COMBINED AT	DP30	18959.	13.33	12389.	6161.	6161.	413.54
ROUTED TO	RT234A	18897.	13.42	12384.	6148.	6148.	413.54
ROUTED TO	RT234B	18835.	13.50	12378.	6135.	6135.	413.54
HYDROGRAPH AT	4110	577.	12.33	157.	69.	69.	2.35
HYDROGRAPH AT	4210	487.	12.08	110.	55.	55.	1.25
3 COMBINED AT	DP31	19067.	13.50	12572.	6259.	6259.	417.14

SUMMARY OF KINEMATIC WAVE - MUSKINGUM-CUNGE ROUTING
(FLOW IS DIRECT RUNOFF WITHOUT BASE FLOW)

ISTAQ	ELEMENT	DT	PEAK	TIME TO PEAK	VOLUME	INTERPOLATED TO COMPUTATION INTERVAL			
						DT	PEAK	TIME TO PEAK	VOLUME
		(MIN)	(CFS)	(MIN)	(IN)	(MIN)	(CFS)	(MIN)	(IN)
RT163A	MANE	4.00	45.63	796.00	.58	5.00	45.61	795.00	.58
CONTINUITY SUMMARY (AC-FT) - INFLOW= .6691E+02 EXCESS= .0000E+00 OUTFLOW= .6684E+02 BASIN STORAGE= .6742E-01 PERCENT ERROR= .0									
RT163B	MANE	4.75	45.58	807.50	.58	5.00	45.55	805.00	.58
CONTINUITY SUMMARY (AC-FT) - INFLOW= .6699E+02 EXCESS= .0000E+00 OUTFLOW= .6693E+02 BASIN STORAGE= .6750E-01 PERCENT ERROR= .0									
RT163C	MANE	5.00	45.54	815.00	.58	5.00	45.54	815.00	.58
CONTINUITY SUMMARY (AC-FT) - INFLOW= .6696E+02 EXCESS= .0000E+00 OUTFLOW= .6689E+02 BASIN STORAGE= .6773E-01 PERCENT ERROR= .0									
RT163D	MANE	5.00	45.54	830.00	.58	5.00	45.54	830.00	.58
CONTINUITY SUMMARY (AC-FT) - INFLOW= .6689E+02 EXCESS= .0000E+00 OUTFLOW= .6682E+02 BASIN STORAGE= .6820E-01 PERCENT ERROR= .0									
RT163E	MANE	5.00	45.55	840.00	.58	5.00	45.55	840.00	.58
CONTINUITY SUMMARY (AC-FT) - INFLOW= .6682E+02 EXCESS= .0000E+00 OUTFLOW= .6676E+02 BASIN STORAGE= .6902E-01 PERCENT ERROR= .0									
RT163F	MANE	5.00	45.58	860.00	.58	5.00	45.58	860.00	.58
CONTINUITY SUMMARY (AC-FT) - INFLOW= .6676E+02 EXCESS= .0000E+00 OUTFLOW= .6662E+02 BASIN STORAGE= .1427E+00 PERCENT ERROR= .0									
RT200A	MANE	2.80	373.19	776.92	.49	5.00	372.53	775.00	.49
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3865E+03 EXCESS= .0000E+00 OUTFLOW= .3863E+03 BASIN STORAGE= .1974E+00 PERCENT ERROR= .0									
RT200B	MANE	2.81	372.53	780.30	.49	5.00	372.50	780.00	.49
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3866E+03 EXCESS= .0000E+00 OUTFLOW= .3864E+03 BASIN STORAGE= .1976E+00 PERCENT ERROR= .0									
RT202	MANE	4.25	416.53	790.50	.53	5.00	416.36	790.00	.53

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4519E+03 EXCESS= .0000E+00 OUTFLOW= .4509E+03 BASIN STORAGE= .9985E+00 PERCENT ERROR= .0

RT153 MANE 3.25 49.19 806.00 .52 5.00 49.19 805.00 .52

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6807E+02 EXCESS= .0000E+00 OUTFLOW= .6783E+02 BASIN STORAGE= .2426E+00 PERCENT ERROR= .0

RT155A MANE 4.75 92.65 807.50 .57 5.00 92.64 805.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1344E+03 EXCESS= .0000E+00 OUTFLOW= .1343E+03 BASIN STORAGE= .6979E-01 PERCENT ERROR= .0

RT155B MANE 5.00 92.64 810.00 .57 5.00 92.64 810.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1344E+03 EXCESS= .0000E+00 OUTFLOW= .1343E+03 BASIN STORAGE= .6984E-01 PERCENT ERROR= .0

RT155C MANE 5.00 92.64 815.00 .57 5.00 92.64 815.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1343E+03 EXCESS= .0000E+00 OUTFLOW= .1342E+03 BASIN STORAGE= .6994E-01 PERCENT ERROR= .0

RT155D MANE 5.00 92.63 820.00 .57 5.00 92.63 820.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1342E+03 EXCESS= .0000E+00 OUTFLOW= .1341E+03 BASIN STORAGE= .7009E-01 PERCENT ERROR= .0

RT155E MANE 5.00 92.62 825.00 .57 5.00 92.62 825.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1341E+03 EXCESS= .0000E+00 OUTFLOW= .1341E+03 BASIN STORAGE= .7031E-01 PERCENT ERROR= .0

RT155F MANE 5.00 92.60 830.00 .57 5.00 92.60 830.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1341E+03 EXCESS= .0000E+00 OUTFLOW= .1340E+03 BASIN STORAGE= .7063E-01 PERCENT ERROR= .0

RT157 MANE 2.75 42.00 786.50 1.52 5.00 41.97 785.00 1.52

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6350E+02 EXCESS= .0000E+00 OUTFLOW= .6342E+02 BASIN STORAGE= .7869E-01 PERCENT ERROR= .0

RT159 MANE 3.50 116.04 791.00 .66 5.00 115.90 790.00 .66

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1399E+03 EXCESS= .0000E+00 OUTFLOW= .1396E+03 BASIN STORAGE= .2750E+00 PERCENT ERROR= .0

RT161A MANE 5.00 76.06 1435.00 .07 5.00 76.06 1435.00 .07

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4656E+02 EXCESS= .0000E+00 OUTFLOW= .4413E+02 BASIN STORAGE= .2634E+01 PERCENT ERROR= -.5

RT161B	MANE	5.00	75.38	1435.00	.07	5.00	75.38	1435.00	.07
--------	------	------	-------	---------	-----	------	-------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4413E+02 EXCESS= .0000E+00 OUTFLOW= .4172E+02 BASIN STORAGE= .2620E+01 PERCENT ERROR= -.5

RT149A	MANE	3.00	127.88	765.00	.63	5.00	127.88	765.00	.63
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8607E+02 EXCESS= .0000E+00 OUTFLOW= .8587E+02 BASIN STORAGE= .2052E+00 PERCENT ERROR= .0

RT149B	MANE	3.25	127.60	773.50	.63	5.00	127.59	775.00	.63
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8584E+02 EXCESS= .0000E+00 OUTFLOW= .8563E+02 BASIN STORAGE= .2052E+00 PERCENT ERROR= .0

RT151	MANE	5.00	85.67	1335.00	.43	5.00	85.67	1335.00	.43
-------	------	------	-------	---------	-----	------	-------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1060E+03 EXCESS= .0000E+00 OUTFLOW= .1042E+03 BASIN STORAGE= .1962E+01 PERCENT ERROR= -.2

RT204	MANE	5.00	659.92	800.00	.43	5.00	659.92	800.00	.43
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8107E+03 EXCESS= .0000E+00 OUTFLOW= .8046E+03 BASIN STORAGE= .6181E+01 PERCENT ERROR= .0

RT206	MANE	5.00	855.58	795.00	.47	5.00	855.58	795.00	.47
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9759E+03 EXCESS= .0000E+00 OUTFLOW= .9735E+03 BASIN STORAGE= .2461E+01 PERCENT ERROR= .0

RT208A	MANE	5.00	1141.43	790.00	.51	5.00	1141.43	790.00	.51
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1167E+04 EXCESS= .0000E+00 OUTFLOW= .1163E+04 BASIN STORAGE= .4423E+01 PERCENT ERROR= .0

RT208B	MANE	5.00	1141.06	800.00	.51	5.00	1141.06	800.00	.51
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1163E+04 EXCESS= .0000E+00 OUTFLOW= .1158E+04 BASIN STORAGE= .4432E+01 PERCENT ERROR= .0

RT143	MANE	3.00	193.37	765.00	.77	5.00	193.37	765.00	.77
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1577E+03 EXCESS= .0000E+00 OUTFLOW= .1575E+03 BASIN STORAGE= .1639E+00 PERCENT ERROR= .0

RT145A	MANE	3.00	76.83	768.00	.78	5.00	76.73	770.00	.78
--------	------	------	-------	--------	-----	------	-------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7407E+02 EXCESS= .0000E+00 OUTFLOW= .7398E+02 BASIN STORAGE= .8860E-01 PERCENT ERROR= .0

RT145B MANE 3.50 76.65 777.00 .78 5.00 76.53 775.00 .78

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7405E+02 EXCESS= .0000E+00 OUTFLOW= .7397E+02 BASIN STORAGE= .8855E-01 PERCENT ERROR= .0

RT145C MANE 3.75 76.46 783.75 .78 5.00 76.36 780.00 .78

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7385E+02 EXCESS= .0000E+00 OUTFLOW= .7376E+02 BASIN STORAGE= .8853E-01 PERCENT ERROR= .0

RT145D MANE 3.50 76.50 791.00 .78 5.00 76.42 790.00 .78

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7388E+02 EXCESS= .0000E+00 OUTFLOW= .7379E+02 BASIN STORAGE= .8862E-01 PERCENT ERROR= .0

RT147 MANE 3.75 392.21 776.25 .92 5.00 391.51 775.00 .92

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3726E+03 EXCESS= .0000E+00 OUTFLOW= .3723E+03 BASIN STORAGE= .2903E+00 PERCENT ERROR= .0

RT210 MANE 5.00 1632.34 795.00 .61 5.00 1632.34 795.00 .61

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1679E+04 EXCESS= .0000E+00 OUTFLOW= .1676E+04 BASIN STORAGE= .3361E+01 PERCENT ERROR= .0

RT135 MANE 3.25 104.94 770.25 .62 5.00 104.90 770.00 .62

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8261E+02 EXCESS= .0000E+00 OUTFLOW= .8248E+02 BASIN STORAGE= .1239E+00 PERCENT ERROR= .0

RT137 MANE 5.00 138.81 820.00 .78 5.00 138.81 820.00 .78

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1488E+03 EXCESS= .0000E+00 OUTFLOW= .1460E+03 BASIN STORAGE= .3247E+01 PERCENT ERROR= -.3

RT139 MANE 3.00 121.82 780.00 .61 5.00 121.82 780.00 .61

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8613E+02 EXCESS= .0000E+00 OUTFLOW= .8570E+02 BASIN STORAGE= .4333E+00 PERCENT ERROR= .0

RT141 MANE 4.69 455.73 773.84 .79 5.00 455.38 775.00 .79

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3992E+03 EXCESS= .0000E+00 OUTFLOW= .3984E+03 BASIN STORAGE= .8893E+00 PERCENT ERROR= .0

RT212A MANE 5.00 2287.17 790.00 .66 5.00 2287.17 790.00 .66

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2254E+04 EXCESS= .0000E+00 OUTFLOW= .2249E+04 BASIN STORAGE= .4405E+01 PERCENT ERROR= .0
 RT212B MANE 5.00 2286.67 795.00 .66 5.00 2286.67 795.00 .66
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .2249E+04 EXCESS= .0000E+00 OUTFLOW= .2245E+04 BASIN STORAGE= .4417E+01 PERCENT ERROR= .0
 RT214A MANE 4.70 2546.36 798.40 .68 5.00 2542.86 800.00 .69
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .2489E+04 EXCESS= .0000E+00 OUTFLOW= .2486E+04 BASIN STORAGE= .3577E+01 PERCENT ERROR= .0
 RT214B MANE 4.70 2541.82 803.59 .68 5.00 2538.99 800.00 .68
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .2487E+04 EXCESS= .0000E+00 OUTFLOW= .2484E+04 BASIN STORAGE= .3591E+01 PERCENT ERROR= .0
 RT129A MANE 5.00 45.28 1225.00 .31 5.00 45.28 1225.00 .31
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .3908E+02 EXCESS= .0000E+00 OUTFLOW= .3815E+02 BASIN STORAGE= .1029E+01 PERCENT ERROR= -.2
 RT129B MANE 5.00 45.28 1235.00 .30 5.00 45.28 1235.00 .30
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .3815E+02 EXCESS= .0000E+00 OUTFLOW= .3721E+02 BASIN STORAGE= .1031E+01 PERCENT ERROR= -.2
 RT129C MANE 5.00 45.28 1245.00 .29 5.00 45.28 1245.00 .29
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .3721E+02 EXCESS= .0000E+00 OUTFLOW= .3627E+02 BASIN STORAGE= .1034E+01 PERCENT ERROR= -.3
 RT131 MANE 5.00 134.06 835.00 .85 5.00 134.06 835.00 .85
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .1469E+03 EXCESS= .0000E+00 OUTFLOW= .1445E+03 BASIN STORAGE= .2725E+01 PERCENT ERROR= -.2
 RT133A MANE 4.74 537.12 768.28 .69 5.00 535.86 765.00 .69
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .5118E+03 EXCESS= .0000E+00 OUTFLOW= .5105E+03 BASIN STORAGE= .1308E+01 PERCENT ERROR= .0
 RT133B MANE 4.75 535.65 769.14 .69 5.00 535.57 770.00 .69
 CONTINUITY SUMMARY (AC-FT) - INFLOW= .5111E+03 EXCESS= .0000E+00 OUTFLOW= .5098E+03 BASIN STORAGE= .1310E+01 PERCENT ERROR= .0
 RT133C MANE 4.75 535.18 774.03 .68 5.00 534.85 775.00 .68

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5100E+03 EXCESS= .0000E+00 OUTFLOW= .5087E+03 BASIN STORAGE= .1312E+01 PERCENT ERROR= .0

RT133D MANE 4.75 534.47 779.12 .68 5.00 533.94 780.00 .68

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5090E+03 EXCESS= .0000E+00 OUTFLOW= .5076E+03 BASIN STORAGE= .1314E+01 PERCENT ERROR= .0

RT216 MANE 5.00 3410.69 800.00 .71 5.00 3410.69 800.00 .71

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3337E+04 EXCESS= .0000E+00 OUTFLOW= .3328E+04 BASIN STORAGE= .9395E+01 PERCENT ERROR= .0

RT123 MANE 2.75 157.73 759.00 .80 5.00 157.50 760.00 .80

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8944E+02 EXCESS= .0000E+00 OUTFLOW= .8924E+02 BASIN STORAGE= .1989E+00 PERCENT ERROR= .0

RT125 MANE 3.00 359.92 759.00 1.05 5.00 359.21 760.00 1.05

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2415E+03 EXCESS= .0000E+00 OUTFLOW= .2412E+03 BASIN STORAGE= .2609E+00 PERCENT ERROR= .0

RT127 MANE 3.25 427.65 767.00 1.18 5.00 425.97 765.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3099E+03 EXCESS= .0000E+00 OUTFLOW= .3094E+03 BASIN STORAGE= .4945E+00 PERCENT ERROR= .0

RT165A MANE 3.25 228.04 760.50 1.05 5.00 227.78 760.00 1.05

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1016E+03 EXCESS= .0000E+00 OUTFLOW= .1014E+03 BASIN STORAGE= .2076E+00 PERCENT ERROR= .0

RT165B MANE 3.50 227.51 766.50 1.05 5.00 226.88 765.00 1.05

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1015E+03 EXCESS= .0000E+00 OUTFLOW= .1013E+03 BASIN STORAGE= .2077E+00 PERCENT ERROR= .0

RT165C MANE 3.25 226.68 770.25 1.04 5.00 226.44 770.00 1.05

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1012E+03 EXCESS= .0000E+00 OUTFLOW= .1010E+03 BASIN STORAGE= .2082E+00 PERCENT ERROR= .0

RT165D MANE 3.00 225.47 777.00 1.04 5.00 225.44 775.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1010E+03 EXCESS= .0000E+00 OUTFLOW= .1008E+03 BASIN STORAGE= .2089E+00 PERCENT ERROR= .0

RT165E MANE 2.75 225.93 783.75 1.04 5.00 224.64 785.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1007E+03 EXCESS= .0000E+00 OUTFLOW= .1005E+03 BASIN STORAGE= .2104E+00 PERCENT ERROR= .0

RT165F MANE 2.75 225.44 789.25 1.04 5.00 224.48 790.00 1.04

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1005E+03 EXCESS= .0000E+00 OUTFLOW= .1003E+03 BASIN STORAGE= .2126E+00 PERCENT ERROR= .0

RT218 MANE 3.63 4399.44 798.16 .77 5.00 4397.94 795.00 .77

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4090E+04 EXCESS= .0000E+00 OUTFLOW= .4086E+04 BASIN STORAGE= .4588E+01 PERCENT ERROR= .0

RT220 MANE 5.00 4559.39 800.00 .79 5.00 4559.39 800.00 .79

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4255E+04 EXCESS= .0000E+00 OUTFLOW= .4248E+04 BASIN STORAGE= .6799E+01 PERCENT ERROR= .0

RT167 MANE 2.75 182.48 761.75 1.00 5.00 181.66 760.00 1.00

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9125E+02 EXCESS= .0000E+00 OUTFLOW= .9092E+02 BASIN STORAGE= .3303E+00 PERCENT ERROR= .0

RT169A MANE 3.50 517.90 763.00 1.14 5.00 517.53 760.00 1.14

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2689E+03 EXCESS= .0000E+00 OUTFLOW= .2685E+03 BASIN STORAGE= .3696E+00 PERCENT ERROR= .0

RT169B MANE 3.75 515.33 765.00 1.14 5.00 515.33 765.00 1.14

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2682E+03 EXCESS= .0000E+00 OUTFLOW= .2678E+03 BASIN STORAGE= .3698E+00 PERCENT ERROR= .0

RT169C MANE 4.00 513.86 768.00 1.14 5.00 513.53 770.00 1.14

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2677E+03 EXCESS= .0000E+00 OUTFLOW= .2674E+03 BASIN STORAGE= .3703E+00 PERCENT ERROR= .0

RT171A MANE 1.84 870.71 767.75 1.19 5.00 865.72 770.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4550E+03 EXCESS= .0000E+00 OUTFLOW= .4548E+03 BASIN STORAGE= .1985E+00 PERCENT ERROR= .0

RT171B MANE 4.50 865.59 769.50 1.19 5.00 865.49 770.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4545E+03 EXCESS= .0000E+00 OUTFLOW= .4540E+03 BASIN STORAGE= .4996E+00 PERCENT ERROR= .0

RT171C MANE 4.50 865.52 774.00 1.18 5.00 863.94 775.00 1.19

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4540E+03 EXCESS= .0000E+00 OUTFLOW= .4535E+03 BASIN STORAGE= .5009E+00 PERCENT ERROR= .0

RT173A MANE 4.20 1175.35 773.39 1.18 5.00 1173.38 775.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5819E+03 EXCESS= .0000E+00 OUTFLOW= .5812E+03 BASIN STORAGE= .6458E+00 PERCENT ERROR= .0

RT173B MANE 4.21 1171.53 779.01 1.18 5.00 1167.53 780.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5807E+03 EXCESS= .0000E+00 OUTFLOW= .5801E+03 BASIN STORAGE= .6483E+00 PERCENT ERROR= .0

RT173C MANE 4.22 1162.75 780.36 1.18 5.00 1160.21 785.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5809E+03 EXCESS= .0000E+00 OUTFLOW= .5803E+03 BASIN STORAGE= .6503E+00 PERCENT ERROR= .0

RT173D MANE 4.23 1159.68 786.29 1.18 5.00 1154.97 785.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5799E+03 EXCESS= .0000E+00 OUTFLOW= .5792E+03 BASIN STORAGE= .6543E+00 PERCENT ERROR= .0

RT173E MANE 4.23 1149.91 791.75 1.17 5.00 1148.33 790.00 1.18

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5785E+03 EXCESS= .0000E+00 OUTFLOW= .5779E+03 BASIN STORAGE= .6611E+00 PERCENT ERROR= .0

RT222 MANE 5.00 6162.65 795.00 .82 5.00 6162.65 795.00 .82

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5079E+04 EXCESS= .0000E+00 OUTFLOW= .5066E+04 BASIN STORAGE= .1255E+02 PERCENT ERROR= .0

RT224 MANE 3.74 6390.76 799.92 .85 5.00 6390.13 800.00 .85

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5297E+04 EXCESS= .0000E+00 OUTFLOW= .5291E+04 BASIN STORAGE= .5981E+01 PERCENT ERROR= .0

RT175A MANE 5.00 156.85 755.00 3.02 5.00 156.85 755.00 3.02

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8073E+02 EXCESS= .0000E+00 OUTFLOW= .8064E+02 BASIN STORAGE= .8141E-01 PERCENT ERROR= .0

RT175B MANE 5.00 156.71 760.00 3.01 5.00 156.71 760.00 3.01

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8064E+02 EXCESS= .0000E+00 OUTFLOW= .8056E+02 BASIN STORAGE= .8152E-01 PERCENT ERROR= .0

RT226 MANE 5.00 6639.84 805.00 .88 5.00 6639.84 805.00 .88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5551E+04 EXCESS= .0000E+00 OUTFLOW= .5542E+04 BASIN STORAGE= .9009E+01 PERCENT ERROR= .0

RT228 MANE 3.60 16425.92 788.87 .51 5.00 16395.70 790.00 .51

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9775E+04 EXCESS= .0000E+00 OUTFLOW= .9758E+04 BASIN STORAGE= .1643E+02 PERCENT ERROR= .0

RT119A MANE 2.25 136.39 765.00 .42 5.00 136.39 765.00 .42

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1542E+03 EXCESS= .0000E+00 OUTFLOW= .1538E+03 BASIN STORAGE= .3772E+00 PERCENT ERROR= .0

RT119B MANE 3.25 136.50 776.75 .42 5.00 136.33 775.00 .42

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1539E+03 EXCESS= .0000E+00 OUTFLOW= .1536E+03 BASIN STORAGE= .3755E+00 PERCENT ERROR= .0

RT119C MANE 3.50 136.54 787.50 .42 5.00 136.27 790.00 .42

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1538E+03 EXCESS= .0000E+00 OUTFLOW= .1534E+03 BASIN STORAGE= .3739E+00 PERCENT ERROR= .0

RT119D MANE 3.75 136.31 802.50 .42 5.00 136.26 800.00 .42

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1531E+03 EXCESS= .0000E+00 OUTFLOW= .1528E+03 BASIN STORAGE= .3719E+00 PERCENT ERROR= .0

RT119E MANE 4.75 136.52 812.25 .42 5.00 136.20 815.00 .42

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1531E+03 EXCESS= .0000E+00 OUTFLOW= .1527E+03 BASIN STORAGE= .3706E+00 PERCENT ERROR= .0

RT121 MANE 2.25 507.17 735.75 .58 5.00 505.90 735.00 .58

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3333E+03 EXCESS= .0000E+00 OUTFLOW= .3329E+03 BASIN STORAGE= .4342E+00 PERCENT ERROR= .0

RT230A MANE 3.83 16671.02 792.25 .51 5.00 16652.53 790.00 .52

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1015E+05 EXCESS= .0000E+00 OUTFLOW= .1013E+05 BASIN STORAGE= .1773E+02 PERCENT ERROR= .0

RT230B MANE 3.83 16609.49 792.72 .51 5.00 16606.01 795.00 .51

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1013E+05 EXCESS= .0000E+00 OUTFLOW= .1012E+05 BASIN STORAGE= .1782E+02 PERCENT ERROR= .0

RT177A MANE 2.50 269.26 740.00 1.30 5.00 269.26 740.00 1.30

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8811E+02 EXCESS= .0000E+00 OUTFLOW= .8789E+02 BASIN STORAGE= .2149E+00 PERCENT ERROR= .0

RT177B MANE 2.50 264.81 752.50 1.29 5.00 263.80 750.00 1.29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8789E+02 EXCESS= .0000E+00 OUTFLOW= .8767E+02 BASIN STORAGE= .2144E+00 PERCENT ERROR= .0

RT179 MANE 5.00 829.13 750.00 1.50 5.00 829.13 750.00 1.50

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2963E+03 EXCESS= .0000E+00 OUTFLOW= .2949E+03 BASIN STORAGE= .1151E+01 PERCENT ERROR= .1

RT181A MANE 5.00 1229.22 755.00 1.44 5.00 1229.22 755.00 1.44

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4847E+03 EXCESS= .0000E+00 OUTFLOW= .4830E+03 BASIN STORAGE= .1341E+01 PERCENT ERROR= .1

RT181B MANE 5.00 1174.15 770.00 1.44 5.00 1174.15 770.00 1.44

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4830E+03 EXCESS= .0000E+00 OUTFLOW= .4814E+03 BASIN STORAGE= .1342E+01 PERCENT ERROR= .1

RT111A MANE 1.00 80.91 736.00 .46 5.00 80.87 735.00 .46

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7606E+02 EXCESS= .0000E+00 OUTFLOW= .7592E+02 BASIN STORAGE= .1411E+00 PERCENT ERROR= .0

RT111B MANE 1.75 80.37 747.25 .46 5.00 79.79 745.00 .46

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7597E+02 EXCESS= .0000E+00 OUTFLOW= .7583E+02 BASIN STORAGE= .1408E+00 PERCENT ERROR= .0

RT111C MANE 3.00 79.85 753.00 .46 5.00 79.79 755.00 .46

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7583E+02 EXCESS= .0000E+00 OUTFLOW= .7569E+02 BASIN STORAGE= .1402E+00 PERCENT ERROR= .0

RT111D MANE 2.25 78.59 765.00 .46 5.00 78.59 765.00 .46

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7562E+02 EXCESS= .0000E+00 OUTFLOW= .7548E+02 BASIN STORAGE= .1397E+00 PERCENT ERROR= .0

RT111E MANE 2.00 77.99 778.00 .46 5.00 77.28 775.00 .46

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7551E+02 EXCESS= .0000E+00 OUTFLOW= .7537E+02 BASIN STORAGE= .1391E+00 PERCENT ERROR= .0

RT113A MANE 3.25 174.28 783.25 .44 5.00 174.04 780.00 .45

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2160E+03 EXCESS= .0000E+00 OUTFLOW= .2158E+03 BASIN STORAGE= .2463E+00 PERCENT ERROR= .0

RT113B	MANE	3.75	175.34	791.25	.44	5.00	174.78	790.00	.44
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2157E+03 EXCESS= .0000E+00 OUTFLOW= .2155E+03 BASIN STORAGE= .2456E+00 PERCENT ERROR= .0

RT113C	MANE	4.25	174.20	799.00	.44	5.00	172.90	800.00	.44
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2155E+03 EXCESS= .0000E+00 OUTFLOW= .2153E+03 BASIN STORAGE= .2449E+00 PERCENT ERROR= .0

RT113D	MANE	4.50	173.19	805.50	.44	5.00	172.57	805.00	.44
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2151E+03 EXCESS= .0000E+00 OUTFLOW= .2149E+03 BASIN STORAGE= .2441E+00 PERCENT ERROR= .0

RT115A	MANE	4.25	100.96	1270.75	.29	5.00	100.35	1270.00	.29
--------	------	------	--------	---------	-----	------	--------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1443E+03 EXCESS= .0000E+00 OUTFLOW= .1441E+03 BASIN STORAGE= .2181E+00 PERCENT ERROR= .0

RT115B	MANE	5.00	101.17	1280.00	.29	5.00	101.17	1280.00	.29
--------	------	------	--------	---------	-----	------	--------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1445E+03 EXCESS= .0000E+00 OUTFLOW= .1443E+03 BASIN STORAGE= .2175E+00 PERCENT ERROR= .0

RT117A	MANE	5.00	348.58	820.00	.44	5.00	348.58	820.00	.44
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4954E+03 EXCESS= .0000E+00 OUTFLOW= .4946E+03 BASIN STORAGE= .8492E+00 PERCENT ERROR= .0

RT117B	MANE	5.00	347.57	830.00	.44	5.00	347.57	830.00	.44
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4946E+03 EXCESS= .0000E+00 OUTFLOW= .4937E+03 BASIN STORAGE= .8451E+00 PERCENT ERROR= .0

RT117C	MANE	5.00	346.93	845.00	.43	5.00	346.93	845.00	.43
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4937E+03 EXCESS= .0000E+00 OUTFLOW= .4929E+03 BASIN STORAGE= .8413E+00 PERCENT ERROR= .0

RT117D	MANE	5.00	346.36	855.00	.43	5.00	346.36	855.00	.43
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4929E+03 EXCESS= .0000E+00 OUTFLOW= .4921E+03 BASIN STORAGE= .8392E+00 PERCENT ERROR= .0

RT117E	MANE	5.00	345.85	870.00	.43	5.00	345.85	870.00	.43
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4921E+03 EXCESS= .0000E+00 OUTFLOW= .4912E+03 BASIN STORAGE= .8431E+00 PERCENT ERROR= .0

RT232A MANE 5.00 18113.36 795.00 .53 5.00 18113.36 795.00 .53

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1145E+05 EXCESS= .0000E+00 OUTFLOW= .1142E+05 BASIN STORAGE= .2475E+02 PERCENT ERROR= .0

RT232B MANE 5.00 18094.89 800.00 .53 5.00 18094.89 800.00 .53

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1142E+05 EXCESS= .0000E+00 OUTFLOW= .1140E+05 BASIN STORAGE= .2491E+02 PERCENT ERROR= .0

RT183 MANE 5.00 532.87 755.00 1.49 5.00 532.87 755.00 1.49

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1158E+03 EXCESS= .0000E+00 OUTFLOW= .1149E+03 BASIN STORAGE= .8422E+00 PERCENT ERROR= .0

RT185 MANE 5.00 830.59 765.00 1.37 5.00 830.59 765.00 1.37

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3043E+03 EXCESS= .0000E+00 OUTFLOW= .3036E+03 BASIN STORAGE= .5877E+00 PERCENT ERROR= .0

RT187 MANE 5.00 1038.15 740.00 1.57 5.00 1038.15 740.00 1.57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4629E+03 EXCESS= .0000E+00 OUTFLOW= .4625E+03 BASIN STORAGE= .4595E+00 PERCENT ERROR= .0

RT234A MANE 5.00 18896.66 805.00 .55 5.00 18896.66 805.00 .55

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1221E+05 EXCESS= .0000E+00 OUTFLOW= .1218E+05 BASIN STORAGE= .2561E+02 PERCENT ERROR= .0

RT234B MANE 5.00 18834.51 810.00 .55 5.00 18834.51 810.00 .55

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1218E+05 EXCESS= .0000E+00 OUTFLOW= .1215E+05 BASIN STORAGE= .2580E+02 PERCENT ERROR= .0

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

NORMAL END OF HEC-1

**HEC-1 INPUT
100-YEAR EXISTING LAND USE CONDITIONS**

EXISTING 100-YEAR

CETL100.HCI

HEC-1 INPUT

ID FOUNTAIN CREEK DRAINAGE BASIN PLANNING STUDY
ID MULLER ENGINEERING CO. 29APRIL92 (DPR)
ID FOUNTAIN CREEK U/S OF THE CONFLUENCE Q100
ID HEC-1 MODEL FOR COMBINED BASIN HYDROLOGY
ID EXISTING LAND USE
*DIAGRAM
IT 5 288
IO 0
KK 2510
KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2510
BA 2.16
BF 5
PB 1.69
PC.00083 .00166 .00249 .00332 .00415 .00500 .00583 .00667 .00749 .00832
PC.00915 .01000 .01083 .01166 .01249 .01332 .01415 .01498 .01581 .01664
PC.01747 .01830 .01913 .02000 .02125 .02250 .02375 .02500 .02625 .02750
PC.02875 .03000 .03125 .03250 .03375 .03500 .03625 .03750 .03875 .04000
PC.04125 .04250 .04375 .04500 .04625 .04750 .04875 .05000 .05125 .05250
PC.05375 .05500 .05625 .05750 .05875 .06000 .06125 .06250 .06375 .06500
PC.06625 .06750 .06875 .07000 .07125 .07250 .07417 .07583 .07750 .07917
PC.08084 .08250 .08417 .08584 .08750 .08917 .09084 .09250 .09417 .09584
PC.09751 .09917 .10084 .10251 .10417 .10584 .10751 .10917 .11084 .11251
PC.11418 .11584 .11751 .11918 .12084 .12251 .12451 .12651 .12851 .13051
PC.13251 .13451 .13751 .14051 .14351 .14651 .14951 .15251 .15551 .15851
PC.16151 .16451 .16751 .17051 .17381 .17711 .18041 .18371 .18701 .19031
PC.19448 .19864 .20281 .20698 .21115 .21531 .21948 .22365 .22781 .23198
PC.23615 .24000 .24031 .25000 .25700 .26500 .27900 .29500 .31500 .36000
PC.41200 .51000 .62500 .67000 .69000 .70000 .71000 .72000 .73000 .73800
PC.74500 .75200 .76000 .76500 .77000 .77500 .77568 .78068 .78568 .79068
PC.79568 .80068 .80398 .80728 .81058 .81388 .81718 .82048 .82378 .82708
PC.83038 .83368 .83698 .84028 .84278 .84528 .84778 .85028 .85278 .85528
PC.85778 .86028 .86228 .86428 .86628 .86828 .86988 .87148 .87308 .87468
PC.87628 .87788 .87948 .88108 .88268 .88428 .88588 .88748 .88908 .89068
PC.89228 .89388 .89548 .89708 .89868 .90028 .90188 .90348 .90508 .90668
PC.90828 .90988 .91148 .91308 .91468 .91628 .91788 .91948 .92108 .92268
PC.92428 .92588 .92748 .92908 .93068 .93228 .93388 .93548 .93708 .93868
PC.94028 .94188 .94348 .94508 .94628 .94748 .94868 .94988 .95108 .95228
PC.95348 .95468 .95588 .95708 .95828 .95948 .96018 .96088 .96158 .96228
PC.96928 .97008 .97088 .97168 .97251 .97334 .97418 .97501 .97584 .97668
PC.97751 .97834 .97918 .98001 .98084 .98167 .98251 .98334 .98417 .98501
PC.98584 .98667 .98751 .98834 .98917 .99000 .99084 .99167 .99250 .99334
PC.99417 .99500 .99584 .99667 .99750 .99833 .99917 1.0000
LS 0 74
UD 0.78
KKRT163A
KM ROUTING OF CRC 2510 TO DP 10
RD 3036 0.0564 0.16 TRAP 10
KKRT163B
KM ROUTING OF CRC 2510 TO DP 10
RD 3036 0.0564 0.16 TRAP 10
KKRT163C
KM ROUTING OF CRC 2510 TO DP 10
RD 3036 0.0564 0.16 TRAP 10
KKRT163D
KM ROUTING OF CRC 2510 TO DP 10
RD 3036 0.0564 0.16 TRAP 10
KKRT163E
KM ROUTING OF CRC 2510 TO DP 10
RD 3036 0.0564 0.16 TRAP 10
KKRT163F

KM ROUTING OF CRC 2510 TO DP 10
 RD 6072 0.0564 0.16 TRAP 10
 KK 2511
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2511
 BA 3.76
 BF 5
 PB 2.16
 LS 0 72
 UD 0.78
 KK 2512
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2512
 BA 5.62
 BF 5
 PB 2.16
 LS 0 72
 UD 0.78
 KK 2513
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2513
 BA 1.88
 BF 5
 PB 2.16
 LS 0 70
 UD 0.71
 KK 2610
 KM RUNOFF CALCULATION FOR SUB-BASIN TG 2610
 BA 1.41
 BF 5
 PB 2.56
 LS 0 66
 UD 0.68
 KK DP10
 KM COMBINE RUNOFF FROM CRC 2511, 2512, 2513, RT 163 & TG 2610
 KO 21
 HC 5
 KKRT200A
 KM ROUTING OF DP 10 TO DP 11
 RD 1104 0.0360 0.160 TRAP 20
 KKRT200B
 KM ROUTING OF DP 10 TO DP 11
 RD 1104 0.0360 0.160 TRAP 20
 KK 2611
 KM RUNOFF CALCULATION FOR SUB-BASIN TG 2611
 BA 1.02
 BF 5
 PB 2.58
 LS 0 66
 UD 0.59
 KK DP11
 KM COMBINE RUNOFF FROM RT 200 & TG 2611
 KO 21
 HC 2
 KK RT202
 KM ROUTING OF DP 11 TO DP 13
 RD 4708 0.0212 0.160 TRAP 20
 KK 2410
 KM RUNOFF CALCULATION FROM SUB-BASIN CTC 2410
 BA 2.46
 BF 5
 PB 1.69
 LS 0 74

UD 0.62
 KK RT153
 KM ROUTING OF CTC 2410 TO DP 73
 RD 7083 0.0225 0.17 TRAP 10
 KK 2411
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2411
 BA 1.97
 BF 5
 PB 1.69
 LS 0 74
 UD 0.75
 KK DP73
 KM COMBINE RT 153 & CTC 2411
 HC 2
 KKRT155A
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155B
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155C
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155D
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155E
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155F
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KK 2412
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2412
 BA 1.82
 BF 5
 PB 1.88
 LS 0 74
 UD 0.83
 KK DP75
 KM COMBINE RUNOFF FROM RT 155 & CTC 2412
 HC 2
 KK NCAT
 KM ROUTE FLOWS THROUGH NORTH CATAMOUNT RESERVOIR
 RS 1 STOR 11760
 SV 11760 11925 12031 12161 12291 12421
 SE 9339 9339.5 9340 9341 9342 9243
 SQ 0 0 0 442 1335 2593
 SS 9340 40 3.6 1.5
 KK 2413
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2413
 BA 0.78
 BF 5
 PB 1.88
 LS 0 74
 UD 0.60
 KK RT157
 KM ROUTING OF CTC 2413 TO DP 79
 RD 5750 0.0278 0.17 TRAP 10
 KK 2414

KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2414
 BA 3.17
 BF 5
 PB 1.88
 LS 0 74
 UD 0.71
 KK DP79
 KM COMBINE RT 157 & CTC 2414
 HC 2
 KK RT159
 KM ROUTING OF DP 79 TO DP 81
 RD 5417 0.0295 0.17 TRAP 10
 KK 2415
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2415
 BA 1.67
 BF 5
 PB 2.16
 LS 0 70
 UD 0.68
 KK DP81
 KM COMBINE RUNOFF FROM RT 159 & CTC 2415
 HC 2
 KK SCAT
 KM ROUTE FLOWS THROUGH SOUTH CATAMOUNT RESERVOIR
 RS 1 STOR 2511
 SV 2420 2511 2604 2714 2824 2934 3044 3154
 SE 9333 9334 9335 9336 9337 9338 9339 9340
 SQ 0 0 0 124 349 642 988 1214
 SS 9335 40 3.5 1.5
 KK DP77
 KM COMBINE FLOWS FROM NORTH AND SOUTH CATAMOUNT RESERVOIRS
 HC 2
 KKRT161A
 KM ROUTING OF DP 77 TO DP 83
 RD 6458 0.1114 0.17 TRAP 10
 KKRT161B
 KM ROUTING OF DP 77 TO DP 83
 RD 6458 0.1114 0.17 TRAP 10
 KK 2416
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2416
 BA 1.68
 BF 5
 PB 2.48
 LS 0 70
 UD 0.68
 KK DP83
 KM COMBINE FLOWS FROM RT 161 & CTC 2416
 HC 2
 KK 2417
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2417
 BA 0.24
 BF 5
 PB 2.51
 LS 0 70
 UD 0.54
 KK 2310
 KM RUNOFF CALCULATION FROM SUB-BASIN CLC 2310
 BA 2.55
 BF 5
 PB 2.44

LS 0 72
 UD 0.65
 KKRT149A
 KM ROUTING OF CLC 2310 TO DP 69
 RD 2917 0.0274 0.17 TRAP 10
 KKRT149B
 KM ROUTING OF CLC 2310 TO DP 69
 RD 2917 0.0274 0.17 TRAP 10
 KK 2311
 KM RUNOFF CALCULATION FOR SUB-BASIN CLC 2311
 BA 1.94
 BF 5
 PB 2.51
 LS 0 70
 UD 0.66
 KK DP69
 KM COMBINE RT 149 & CLC 2311
 HC 2
 KK CCR
 KM ROUTE FLOWS THROUGH CRYSTAL CREEK RESERVOIR
 RS 1 STOR 3479
 SV 3479 3542 3605 3668 3731 3794 3857
 SE 9230 9231 9232 9233 9234 9235 9236
 SQ 0 93 262 481 741 1035 1361
 SS 9231 30 3.5 1.5
 KK RT151
 KM ROUTING OF CRYSTAL CREEK RESERVOIR FLOW TO DP 71
 RD 5833 0.2605 0.17 TRAP 10
 KK 2312
 KM RUNOFF CALCULATION FOR SUB-BASIN CLC 2312
 BA 0.56
 BF 5
 PB 2.51
 LS 0 72
 UD 0.55
 KK DP71
 KM COMBINE RUNOFF FROM RT 151 & CLC 2312
 HC 2
 KK DP13
 KM COMBINE FLOWS FROM RT 202, DP 83, DP 71 & CTC 2417
 KO 21
 HC 4
 KK RT204
 KM ROUTING OF DP 13 TO DP 14
 RD 7000 0.0214 0.170 TRAP 25
 KK 2710
 KM RUNOFF CALCULATION FOR SUB-BASIN LG 2710
 BA 2.55
 BF 5
 PB 2.67
 LS 0 72
 UD 0.68
 KK 2810
 KM RUNOFF CALCULATION FOR SUB-BASIN SG 2810
 BA 1.11
 BF 5
 PB 2.75
 LS 0 70
 UD 0.62
 KK DP14

KM COMBINE FLOWS FROM RT 204, LG 2710 & SG 2810
 KO 21
 HC 3
 KK RT206
 KM ROUTING OF DP 14 TO DP 15
 RD 2583 0.0155 0.160 TRAP 25
 KK 2910
 KM RUNOFF CALCULATION FOR SUB-BASIN WG 2910
 BA 1.78
 BF 5
 PB 2.82
 LS 0 70
 UD 0.64
 KK 2210
 KM RUNOFF CALCULATION FOR SUB-BASIN CP 2210
 BA 2.51
 BF 5
 PB 2.75
 LS 0 72
 UD 0.80
 KK DP15
 KM COMBINE FLOWS FROM RT 206, WG 2910 & CP 2210
 KO 21
 HC 3
 KKRT208A
 KM ROUTING OF DP 15 TO DP 16
 RD 4542 0.0176 0.165 TRAP 25
 KKRT208B
 KM ROUTING OF DP 15 TO DP 16
 RD 4542 0.0176 0.165 TRAP 25
 KK 2110
 KM RUNOFF CALCULATION FROM SUB-BASIN SVC 2110
 BA 1.90
 BF 5
 PB 2.58
 LS 0 70
 UD 0.68
 KK 2111
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2111
 BA 1.91
 BF 5
 PB 2.58
 LS 0 70
 UD 0.66
 KK DP63
 KM COMBINE RT SVC 2110 & 2111
 HC 2
 KK RT143
 KM ROUTING OF DP 63 TO DP 65
 RD 2917 0.0959 0.170 TRAP 10
 KK 2112
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2112
 BA 0.37
 BF 5
 PB 2.75
 LS 0 70
 UD 0.60
 KK 2113
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2113
 BA 1.77

BF 5
 PB 2.44
 LS 0 70
 UD 0.64
 KKRT145A
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KKRT145B
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KKRT145C
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KKRT145D
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KK 2114
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2114
 BA 1.61
 BF 5
 PB 2.67
 LS 0 70
 UD 0.67
 KK DP65
 KM COMBINE SVC 2112, SVC 2114, RT 143 & RT 145
 HC 4
 KK RT147
 KM ROUTING OF DP 65 TO DP 67
 RD 4792 0.2170 0.170 TRAP 10
 KK 2115
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2115
 BA 0.65
 BF 5
 PB 2.82
 LS 0 72
 UD 0.53
 KK DP67
 KM COMBINE RT 147 & SVC 2115
 HC 2
 KK 3010
 KM RUNOFF CALCULATION FOR SUB-BASIN CB 3010
 BA 0.88
 BF 5
 PB 2.89
 LS 0 72
 UD 0.52
 KK DP16
 KM COMBINE RT 208, CB 3010 & DP 67
 KO 21
 HC 3
 KK RT210
 KM ROUTING OF DP 16 TO DP 17
 RD 3875 0.0258 0.165 TRAP 25
 KK 2010
 KM RUNOFF CALCULATION FROM SUB-BASIN FC 2010
 BA 2.50
 BF 5
 PB 2.51
 LS 0 70
 UD 0.70

RT135

ROUTING OF FC 2010 TO DP 57

2083 0.0384 0.170 TRAP 10

2011

RUNOFF CALCULATION FOR SUB-BASIN FC 2011

1.00

5

2.67

0 70

0.58

DP57

COMBINE RT 135 & FC 2011

2

MTR

ROUTE FLOWS THROUGH MANITOU RESERVOIR

1	STOR	700							
475	700	730	760	790	820	850	880	910	940
8985	9000	9001	9002	9003	9004	9005	9006	9007	9008
0	0	500	1000	1900	2500	3300	4500	6000	7500
9000	100	3.5	1.5						

RT137

ROUTING OF MANITOU RESERVOIR TO DP 59

6875 0.0669 0.170 TRAP 10

2012

RUNOFF CALCULATION FOR SUB-BASIN FC 2012

1.20

5

2.75

0 70

0.70

2013

RUNOFF CALCULATION FOR SUB-BASIN FC 2013

2.62

5

2.58

0 70

0.67

RT139

ROUTING OF FC 2013 TO DP 59

9375 0.1258 0.17 TRAP 10

2014

RUNOFF CALCULATION FOR SUB-BASIN FC 2014

2.12

5

2.82

0 72

0.62

DP59

COMBINE RUNOFF FROM RT 155, RT 139, FC 2012 & FC 2014

4

RT141

ROUTING OF DP 59 TO DP 61

4166 0.2300 0.17 TRAP 10

2015

RUNOFF CALCULATION FOR SUB-BASIN FC 2015

0.93

5

2.89

0 72

0.54

KK DP61
 KM COMBINE RT 141 & FC 2015
 HC 2
 KK 3011
 KM RUNOFF CALCULATION FOR SUB-BASIN CB 3011
 BA 1.95
 BF 5
 PB 2.98
 LS 0 72
 UD 0.59
 KK DP17
 KM COMBINE RT 210, CB 3011 & DP 61
 KO 21
 HC 3
 KKRT212A
 KM ROUTING OF DP 17 TO DP 18
 RD 4646 0.0430 0.165 TRAP 25
 KKRT212B
 KM ROUTING OF DP 17 TO DP 18
 RD 4646 0.0430 0.165 TRAP 25
 KK 3012
 KM RUNOFF CALCULATION FOR SUB-BASIN CB 3012
 BA 0.56
 BF 5
 PB 3.07
 LS 0 70
 UD 0.47
 KK 3110
 KM RUNOFF CALCULATION FOR SUB-BASIN WLC 3110
 BA 1.78
 BF 5
 PB 3.16
 LS 0 70
 UD 0.66
 KK 1910
 KM RUNOFF CALCULATION FOR SUB-BASIN IT 1910
 BA 1.50
 BF 5
 PB 2.98
 LS 0 72
 UD 0.59
 KK DP18
 KM COMBINE RT 212, CB 3012, WLC 3110 & IT 1910
 KO 21
 HC 4
 KKRT214A
 KM ROUTING OF DP 18 TO DP 21
 RD 3896 0.0513 0.165 TRAP 25
 KKRT214B
 KM ROUTING OF DP 18 TO DP 21
 RD 3896 0.0513 0.165 TRAP 25
 KK 3111
 KM RUNOFF CALCULATION FOR SUB-BASIN WLC 3111
 BA 0.43
 BF 5
 PB 3.16
 LS 0 70
 UD 0.58
 KK 1911
 KM RUNOFF CALCULATION FOR SUB-BASIN IT 1911

BA 1.30
 BF 5
 PB 2.98
 LS 0 72
 UD 0.61
 KK 1713
 KM RUNOFF CALCULATION FROM SUB-BASIN EC 1713
 BA 2.30
 BF 5
 PB 2.63
 LS 0 70
 UD 0.64
 KK LKM
 KM ROUTE FLOWS THROUGH LAKE MORaine
 RS 1 STOR 1300
 SV 1300 1324 1366 1408 1451.5
 SE 10221 10222 10222.5 10223 10223.5
 SS 10222 100 3.5 1.5
 KKRT129A
 KM ROUTING FLOW FROM LAKE MORaine TO DP 51
 RD 3556 0.1124 0.17 TRAP 10
 KKRT129B
 KM ROUTING FLOW FROM LAKE MORaine TO DP 51
 RD 3556 0.1124 0.17 TRAP 10
 KKRT129C
 KM ROUTING FLOW FROM LAKE MORaine TO DP 51
 RD 3556 0.1124 0.17 TRAP 10
 KK 1714
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1714
 BA 2.20
 BF 5
 PB 2.75
 LS 0 70
 UD 0.67
 KK 1715
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1715
 BA 1.00
 BF 5
 PB 2.82
 LS 0 70
 UD 0.62
 KK DP53
 KM COMBINE EC 1714 & EC 1715
 HC 2
 KK BTR
 KM ROUTE FLOWS THROUGH BIG TOOTH RESERVOIR
 RS 1 STOR 220
 SV 220 237 254 271 288 305 322 339 356
 SE 9330 9331 9332 9333 9334 9335 9336 9337 9338
 SQ 0 105 297 546 840 1174 1543 1945 2376
 SS 9330 30 3.5 1.5
 KK RT131
 KM ROUTING FLOW FROM BIG TOOTH RESERVOIR TO DP 51
 RD 5208 0.0537 0.17 TRAP 10
 KK 1710
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1710
 BA 2.90
 BF 5
 PB 2.67
 LS 0 70

UD 0.69
 KK 1711
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1711
 BA 2.40
 BF 5
 PB 2.58
 LS 0 70
 UD 0.69
 KK DP54
 KM COMBINE EC 1710 & 1711
 HC 2
 KK 1712
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1712
 BA 2.40
 BF 5
 PB 2.67
 LS 0 70
 UD 0.66
 KK 1716
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1716
 BA 0.70
 BF 5
 PB 2.82
 LS 0 70
 UD 0.55
 KK DP51
 KM COMBINE DP 54, 1712, 1716, RT 129 & RT 131
 HC 5
 KKRT133A
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KKRT133B
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KKRT133C
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KKRT133D
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KK 1718
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1718
 BA 1.70
 BF 5
 PB 2.98
 LS 0 72
 UD 0.67
 KK 1717
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1717
 BA 2.20
 BF 5
 PB 2.98
 LS 0 70
 UD 0.64
 KK DP55
 KM COMBINE RUNOFF FROM RT 133 & EC 1718, 1717
 HC 3
 KK DP21
 KM COMBINE RT 214, DP 55, WLC 3111 & IT 1911
 KO

HC 4
 KK RT216
 KM ROUTING OF DP 21 TO DP 22
 RD 6542 0.0306 0.175 TRAP 25
 KK 3310
 KM RUNOFF CALCULATION FOR SUB-BASIN BKC 3310
 BA 2.30
 BF 5
 PB 3.29
 LS 0 72
 UD 0.72
 KK 1810
 KM RUNOFF CALCULATION FOR SUB-BASIN MS 1810
 BA 0.72
 BF 5
 PB 3.07
 LS 0 72
 UD 0.57
 KK 1610
 KM RUNOFF CALCULATION FROM SUB-BASIN SC 1610
 BA 2.10
 BF 5
 PB 2.89
 LS 0 70
 UD 0.59
 KK RT123
 KM ROUTING OF SC 1610 TO DP 45
 RD 5333 0.2700 0.17 TRAP 10
 KK 1611
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1611
 BA 0.70
 BF 5
 PB 2.98
 LS 0 70
 UD 0.56
 KK 1612
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1612
 BA 1.50
 BF 5
 PB 2.95
 LS 0 70
 UD 0.60
 KK DP45
 KM COMBINE RUNOFF FROM RT 123 & SC 1611, 1612
 HC 3
 KK RT125
 KM ROUTING OF DP 45 TO DP 47
 RD 3833 0.1043 0.17 TRAP 10
 KK 1613
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1613
 BA 0.60
 BF 5
 PB 2.98
 LS 0 70
 UD 0.57
 KK DP47
 KM COMBINE RUNOFF FROM RT 125 & SC 1613
 HC 2
 KK RT127
 KM ROUTING OF DP 47 TO DP 49

RD	5833	0.0548	0.17	TRAP	10
KK	1614				
KM	RUNOFF CALCULATION FOR SUB-BASIN SC 1614				
BA	0.90				
BF	5				
PB	3.07				
LS	0	72			
UD	0.60				
KK	DP49				
KM	COMBINE RUNOFF FROM RT 127 & SC 1614				
HC	2				
KK	3210				
KM	RUNOFF CALCULATION FOR SUB-BASIN WC 3210				
BA	1.81				
BF	5				
PB	3.24				
LS	0	72			
UD	0.68				
KKRT165A					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165B					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165C					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165D					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165E					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165F					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KK	3211				
KM	RUNOFF CALCULATION FOR SUB-BASIN WC 3211				
BA	1.13				
BF	5				
PB	3.18				
LS	0	72			
UD	0.75				
KK	DP50				
KM	COMBINE RUNOFF FROM RT 165 & WC 3211				
HC	2				
KK	DP22				
KM	COMBINE RUNOFF FROM RT 216, BKC 3310, MS 1810, DP 50 & DP 49				
KD			21		
HC	5				
KK	RT218				
KM	ROUTING OF DP 22 TO DP 23				
RD	3000	0.0266	0.170	TRAP	25
KK	3510				
KM	RUNOFF CALCULATION FOR SUB-BASIN CR 3510				
BA	0.61				
BF	5				
PB	3.16				
LS	0	74			
UD	0.63				

KK 3410
 KM RUNOFF CALCULATION FOR SUB-BASIN BL 3410
 BA 1.00
 BF 5
 PB 3.16
 LS 0 74
 UD 0.61
 KK DP23
 KM COMBINE RUNOFF FROM RT 218, BL 3410 & CR 3510
 KO 21
 HC 3
 KK RT220
 KM ROUTING OF DP 23 TO DP 24
 RD 3875 0.0206 0.165 TRAP 30
 KK 1510
 KM RUNOFF CALCULATION FOR SUB-BASIN PT 1510
 BA 2.50
 BF 5
 PB 2.98
 LS 0 68
 UD 0.63
 KK 3610
 KM RUNOFF CALCULATION FROM SUB-BASIN CPC 3610
 BA 1.71
 BF 5
 PB 2.98
 LS 0 72
 UD 0.60
 KK RT167
 KM ROUTING OF CPC 3610 TO DP 85
 RD 7292 0.1097 0.16 TRAP 10
 KK 3611
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3611
 BA 1.53
 BF 5
 PB 3.24
 LS 0 72
 UD 0.62
 KK 3612
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3612
 BA 1.15
 BF 5
 PB 3.07
 LS 0 72
 UD 0.64
 KK DP85
 KM COMBINE RT 167 & CPC 3611, 3612
 HC 3
 KKRT169A
 KM ROUTING OF DP 85 TO DP 87
 RD 4028 0.0728 0.16 TRAP 10
 KKRT169B
 KM ROUTING OF DP 85 TO DP 87
 RD 4028 0.0728 0.16 TRAP 10
 KKRT169C
 KM ROUTING OF DP 85 TO DP 87
 RD 4028 0.0728 0.16 TRAP 10
 KK 3613
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3613
 BA 1.45

BF 5
 PB 3.24
 LS 0 72
 UD 0.70
 KK 3614
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3614
 BA 1.32
 BF 5
 PB 3.42
 LS 0 72
 UD 0.69
 KK DP87
 KM COMBINE RUNOFF FROM RT 169 & CPC 3613, 3614
 HC 3
 KKRT171A
 KM ROUTING OF DP 87 TO DP 89
 RD 3819 0.0698 0.16 TRAP 10
 KKRT171B
 KM ROUTING OF DP 87 TO DP 89
 RD 3819 0.0698 0.16 TRAP 10
 KKRT171C
 KM ROUTING OF DP 87 TO DP 89
 RD 3819 0.0698 0.16 TRAP 10
 KK 3615
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3615
 BA 2.06
 BF 5
 PB 3.33
 LS 0 76
 UD 0.69
 KK DP89
 KM COMBINE RUNOFF FROM RT 171 & CPC 3615
 HC 2
 KKRT173A
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173B
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173C
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173D
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173E
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KK 3616
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3616
 BA 2.37
 BF 5
 PB 3.07
 LS 0 80
 UD 0.78
 KK DP90
 KM COMBINE RUNOFF FROM RT 173 & CPC 3616
 HC 2
 KK DP24
 KM COMBINE RUNOFF FROM RT 220, DP 90 & PT 1510

KO 21
 HC 3
 KK RT222
 KM ROUTING OF DP 24 TO DP 25
 RD 5833 0.0137 0.165 TRAP 30
 KK 1410
 KM RUNOFF CALCULATION FOR SUB-BASIN 21S 1410
 BA 0.64
 BF 5
 PB 2.82
 LS 0 88
 UD 0.60
 KK 3810
 KM RUNOFF CALCULATION FOR SUB-BASIN WS 3810
 BA 0.37
 BF 5
 PB 2.89
 LS 0 84
 UD 0.55
 KK 3811
 KM RUNOFF CALCULATION FOR SUB-BASIN WS 3811
 BA 0.34
 BF 5
 PB 2.82
 LS 0 84
 UD 0.55
 KK DP25
 KM COMBINE RUNOFF FROM RT 222, 21S 1410, WS 3810 & WS 3811
 KO 21
 HC 4
 KK RT224
 KM ROUTING OF DP 25 TO DP 26
 RD 3208 0.0214 0.160 TRAP 30
 KK 3710
 KM RUNOFF CALCULATION FOR SUB-BASIN 19S 3710
 BA 0.50
 BF 5
 PB 2.89
 LS 0 84
 UD 0.66
 KKRT175A
 KM ROUTING OF 19S 3710 TO DP 26
 RD 2604 0.0307 0.160 TRAP 10
 KKRT175B
 KM ROUTING OF 19S 3710 TO DP 26
 RD 2604 0.0307 0.160 TRAP 10
 KK 3812
 KM RUNOFF CALCULATION FOR SUB-BASIN WS 3812
 BA 0.94
 BF 5
 PB 2.82
 LS 0 82
 UD 0.64
 KK 1310
 KM RUNOFF CALCULATION FOR SUB-BASIN VM 1310
 BA 0.32
 BF 5
 PB 2.75
 LS 0 80
 UD 0.55

KK DP26
KM COMBINE RUNOFF FROM RT 175, RT 224, VM 1310 & WS 3812
KO 21

HC 4

KK RT226

KM ROUTING OF DP 26 TO DP 27

RD 4667 0.0128 0.130 TRAP 30

KK 3813

KM RUNOFF CALCULATION FOR SUB-BASIN WS 3813

BA 0.50

BF 5

PB 2.75

LS 0 82

UD 0.62

KK 1311

KM RUNOFF CALCULATION FOR SUB-BASIN VM 1311

BA 0.32

BF 5

PB 2.75

LS 0 80

UD 0.67

KK DP515

KM RUNOFF CALCULATION FROM MONUMENT CREEK WATERSHED

BA 238.7

QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	29	29	29	29	29
QI	29	29	29	29	29	30	30	30	30	30
QI	30	30	31	31	31	31	32	32	32	32
QI	33	33	33	34	34	34	35	35	36	36
QI	36	37	37	38	39	39	40	40	41	42
QI	42	43	44	45	46	47	48	49	51	52
QI	54	57	58	62	68	71	78	88	105	136
QI	197	322	557	940	1535	2520	4036	5669	7147	8799
QI	10651	12418	14031	15411	16249	16444	16242	15974	15915	16229
QI	16926	17844	18743	19440	19870	20039	19975	19708	19272	18702
QI	18038	17314	16556	15786	15019	14269	13546	12860	12221	11633
QI	11097	10612	10172	9773	9406	9068	8754	8461	8187	7931
QI	7692	7468	7260	7065	6884	6714	6555	6405	6263	6128
QI	5997	5861	5726	5601	5485	5300	5230	5195	5114	5034
QI	4948	4866	4792	4725	4660	4599	4539	4482	4427	4374
QI	4323	4273	4224	4177	4130	4084	4039	3993	3948	3903
QI	3860	3819	3780	3744	3709	3677	3646	3615	3585	3555
QI	3524	3494	3463	3432	3400	3367	3333	3299	3266	3233
QI	3200	3168	3134	3101	3067	3033	3000	2968	2938	2910
QI	2884	2960	2837	2816	2796	2776	2758	2740	2723	2706
QI	2690	2675	2660	2645	2631	2617	2604	2585	2570	2569
QI	2558	2548	2538	2529	2520	2511	2501	2490		

KK DP27

KM COMBINE RUNOFF FROM RT 226, VM 1310, WS 3813 & MONUMENT (CONFLUENCE)

KO 21

HC 4

KK RT228

KM ROUTING OF DP 27 TO DP 28

RD 2208 0.0113 0.110

KK 1210
 KM RUNOFF CALCULATION FOR SUB-BASIN BRC 1210
 BA 1.10
 PB 2.89
 LS 0 62
 UD 0.18
 KK 1211
 KM RUNOFF CALCULATION FOR SUB-BASIN BRC 1211
 BA 5.77
 PB 2.82
 LS 0 62
 UD 0.36
 KK DP39
 KM COMBINE RUNOFF FROM BRC 1210 & 1211
 HC 2
 KKRT119A
 KM ROUTING OF BRC 1210 & 1211 FROM DP 39 TO DP 41
 RD 3375 0.043 0.14
 KKRT119B
 KM ROUTING OF BRC 1210 & 1211 FROM DP 39 TO DP 41
 RD 3375 0.043 0.14
 KKRT119C
 KM ROUTING OF BRC 1210 & 1211 FROM DP 39 TO DP 41
 RD 3375 0.043 0.14
 KKRT119D
 KM ROUTING OF BRC 1210 & 1211 FROM DP 39 TO DP 41
 RD 3375 0.043 0.14
 KKRT119E
 KM ROUTING OF BRC 1210 & 1211 FROM DP 39 TO DP 41
 RD 3375 0.043 0.14
 KK 1212
 KM RUNOFF CALCULATION FROM SUB-BASIN BRC 1212
 BA 3.08
 PB 2.82
 LS 0 72
 UD 0.36
 KK 1213
 KM RUNOFF CALCULATION FROM SUB-BASIN BRC 1213
 BA 0.82
 PB 2.75
 LS 0 71
 UD 0.21
 KK DP41
 KM COMBINE RUNOFF FROM RT 119, BRC 1212 & 1213
 HC 3
 KK RT121
 KM ROUTING OF FLOW FROM DP 41 TO DP 43
 RD 2583 0.062 0.140
 KK 1214
 KM RUNOFF CALCULATION FOR SUB-BASIN BRC 1214
 BA 0.23
 PB 2.67
 LS 0 84
 UD 0.11
 KK DP43
 KM COMBINE RUNOFF FROM DP 41 & BRC 1214 - BEAR CREEK OUTFLOW
 HC 2
 KK DP28
 KM COMBINE RUNOFF FROM RT 228 & DP 43
 KO

HC 2
KKRT230A
KM ROUTING OF FLOW FROM DP 28 TO DP 29
RD 2938 0.0136 0.090
KKRT230B
KM ROUTING OF FLOW FROM DP 28 TO DP 29
RD 2938 0.0136 0.090
KK 3910
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3910
BA 1.27
PB 2.44
LS 0 80
UD 0.32
KKRT177A
KM ROUTING OF FLOW FROM SR 3910 TO DP 93
RD 4271 0.0210 0.090
KKRT177B
KM ROUTING OF FLOW FROM SR 3910 TO DP 93
RD 4271 0.0210 0.090
KK 3911
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3911
BA 1.22
PB 2.58
LS 0 80
UD 0.30
KK 3912
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3912
BA 1.19
PB 2.67
LS 0 88
UD 0.35
KK DP93
KM COMBINE RUNOFF FROM RT 177, SR 3911 & SR 3912
HC 3
KK RT179
KM ROUTING OF FLOW FROM DP 93 TO DP 95
RD 4917 0.0071 0.110
KK 3913
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3913
BA 1.96
PB 2.51
LS 0 80
UD 0.39
KK 3914
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3914
BA 0.62
PB 2.67
LS 0 84
UD 0.34
KK DP95
KM COMBINE RUNOFF FROM RT 179, SR 3913 & SR 3914
HC 3
KKRT181A
KM ROUTING OF FLOW FROM DP 95 TO DP 96
RD 3792 0.0053 0.100
KKRT181B
KM ROUTING OF FLOW FROM DP 95 TO DP 96
RD 3792 0.0053 0.100
KK 3916
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3916

BA 1.02
 PB 2.67
 LS 0 90
 UD 0.40
 KK 3915
 KM RUNOFF CALCULATION FOR SUB-BASIN SR 3915
 BA 1.08
 PB 2.58
 LS 0 83
 UD 0.46
 KK DP96
 KM COMBINE RUNOFF FROM RT 181, SR 3915 & SR 3916
 HC 3
 KK 1110
 KM RUNOFF CALCULATION FOR SUB-BASIN SW 1110
 BA 3.07
 PB 2.67
 LS 0 64
 UD 0.17
 KKRT111A
 KM ROUTING OF SW 1110 TO DP 32
 RD 3542 0.1264 0.14
 KKRT111B
 KM ROUTING OF SW 1110 TO DP 32
 RD 3542 0.1264 0.14
 KKRT111C
 KM ROUTING OF SW 1110 TO DP 32
 RD 3542 0.1264 0.14
 KKRT111D
 KM ROUTING OF SW 1110 TO DP 32
 RD 3542 0.1264 0.14
 KKRT111E
 KM ROUTING OF SW 1110 TO DP 32
 RD 3542 0.1264 0.14
 KK 1111
 KM RUNOFF CALCULATION FOR SUB-BASIN SW 1111
 BA 4.33
 PB 2.75
 LS 0 61
 UD 0.27
 KK 1112
 KM RUNOFF CALCULATION FOR SUB-BASIN SW 1112
 BA 1.68
 PB 2.75
 LS 0 60
 UD 0.25
 KK DP32
 KM COMBINE RUNOFF FROM SW 1111 & 1112 & RT 111
 HC 3
 KKRT113A
 KM ROUTING OF DP 32 TO DP 33
 RD 2865 0.091 0.135
 KKRT113B
 KM ROUTING OF DP 32 TO DP 33
 RD 2865 0.091 0.135
 KKRT113C
 KM ROUTING OF DP 32 TO DP 33
 RD 2865 0.091 0.135
 KKRT113D
 KM ROUTING OF DP 32 TO DP 33

RD 2865 0.091 0.135
 KK 1114
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1114
 BA 4.8
 PB 2.67
 LS 0 60
 UD 0.31
 KK 1115
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1115
 BA 4.51
 PB 2.65
 LS 0 61
 UD 0.23
 KK DP35
 KM COMBINE RUNOFF FROM SW 1114 & 1115
 HC 2
 KKRT115A
 KM ROUTING OF DP 35 TO DP 33
 RD 3229 0.099 0.12
 KKRT115B
 KM ROUTING OF DP 35 TO DP 33
 RD 3229 0.099 0.12
 KK 1113
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1113
 BA 1.91
 PB 2.75
 LS 0 64
 UD 0.28
 KK 1116
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1116
 BA 0.88
 PB 2.67
 LS 0 64
 UD 0.28
 KK DP33
 KM COMBINE RUNOFF FROM SW 1113, 1116, RT 113 & RT 115
 HC 4
 KKRT117A
 KM ROUTING OF DP 33 TO DP 37
 RD 2967 0.013 0.12
 KKRT117B
 KM ROUTING OF DP 33 TO DP 37
 RD 2967 0.013 0.12
 KKRT117C
 KM ROUTING OF DP 33 TO DP 37
 RD 2967 0.013 0.12
 KKRT117D
 KM ROUTING OF DP 33 TO DP 37
 RD 2967 0.013 0.12
 KKRT117E
 KM ROUTING OF DP 33 TO DP 37
 RD 2967 0.013 0.12
 KK 1117
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1117
 BA 3.88
 PB 2.67
 LS 0 74
 UD 0.28
 KK DP37
 KM COMBINE RUNOFF FROM SW 1117 & RT 117

HC 2
KK DP29
KM COMBINE RUNOFF FROM DP 96, DP 37 & RT 230
KO 21
HC 3
KKRT232A
KM ROUTING OF FLOW FROM DP 29 TO DP 30
RD 3271 0.0153 0.125
KKRT232B
KM ROUTING OF FLOW FROM DP 29 TO DP 30
RD 3271 0.0153 0.125
KK 4010
KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4010
BA 1.44
PB 2.16
LS 0 90
UD 0.36
KKRT183
KM ROUTING OF FLOW FROM SPC 4010 TO DP 97
RD 8500 0.0210 0.140
KK 4011
KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4011
BA 1.17
PB 2.16
LS 0 85
UD 0.32
KK 4012
KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4012
BA 1.55
PB 1.88
LS 0 88
UD 0.33
KK DP97
KM COMBINE RUNOFF FROM RT 183, SPC 4011 & SPC 4012
HC 3
KK RT185
KM ROUTING OF FLOW FROM DP 97 TO DP 98
RD 2792 0.0143 0.135
KK 4013
KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4013
BA 0.83
PB 1.92
LS 0 85
UD 0.23
KK 4014
KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4014
BA 0.53
PB 2.16
LS 0 85
UD 0.20
KK DP98
KM COMBINE RUNOFF FROM RT 185, SPC 4013 & SPC 4014
HC 3
KK RT187
KM ROUTING OF FLOW FROM DP 98 TO DP 99
RD 5250 0.0152 0.035
KK 4015
KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4015
BA 1.41
PB 2.44

LS 0 83
 UD 0.23
 KK DP99
 KM COMBINE RUNOFF FROM RT 187 & SPC 4015
 HC 2
 KK 4016
 KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4016
 BA 0.53
 PB 2.51
 LS 0 90
 UD 0.19
 KK 1118
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1118
 BA 4.15
 PB 2.58
 LS 0 74
 UD 0.44
 KK DP30
 KM COMBINE RUNOFF FROM RT 232, DP 99, SPC 4016 & SW 1118
 KO 21
 HC 4
 KKRT234A
 KM ROUTING OF FLOW FROM DP 30 TO DP 31 (DBPS D/S BOUNDARY)
 RD 3271 0.0061 0.080
 KKRT234B
 KM ROUTING OF FLOW FROM DP 30 TO DP 31 (DBPS D/S BOUNDARY)
 RD 3271 0.0061 0.080
 KK 4110
 KM RUNOFF CALCULATION FROM SUB-BASIN FC 4110
 BA 2.35
 PB 2.44
 LS 0 83
 UD 0.51
 KK 4210
 KM RUNOFF CALCULATION FROM SUB-BASIN MSC 4210
 BA 1.25
 PB 2.16
 LS 0 85
 UD 0.34
 KK DP31
 KM COMBINE RUNOFF FROM RT 234, MSC 4210 & FC 4110 (D/S BOUNDARY)
 KO 21
 HC 3
 ZZ

**HEC-1 OUTPUT
100-YEAR EXISTING LAND USE CONDITIONS**

EXISTING 100-YEAR

CETL100.OUT

HEC-1 OUTPUT

898 KK

* *
* DP24 *
* *

COMBINE RUNOFF FROM RT 220, DP 90 & PT 1510

900 KO

OUTPUT CONTROL VARIABLES

IPRNT 0 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE
IPNCH 0 PUNCH COMPUTED HYDROGRAPH
IQUT 21 SAVE HYDROGRAPH ON THIS UNIT
ISAV1 1 FIRST ORDINATE PUNCHED OR SAVED
ISAV2 288 LAST ORDINATE PUNCHED OR SAVED
TIMINT .083 TIME INTERVAL IN HOURS

901 HC

HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION DP24 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	0000	1	275.	*	1	0600	73	297.	*	1	1200	145	863.	*	1	1800	217	2226.				
1	0005	2	275.	*	1	0605	74	297.	*	1	1205	146	1175.	*	1	1805	218	2211.				
1	0010	3	275.	*	1	0610	75	297.	*	1	1210	147	1628.	*	1	1810	219	2197.				
1	0015	4	275.	*	1	0615	76	297.	*	1	1215	148	2244.	*	1	1815	220	2185.				
1	0020	5	275.	*	1	0620	77	297.	*	1	1220	149	3034.	*	1	1820	221	2175.				
1	0025	6	275.	*	1	0625	78	297.	*	1	1225	150	4161.	*	1	1825	222	2165.				
1	0030	7	275.	*	1	0630	79	297.	*	1	1230	151	5730.	*	1	1830	223	2157.				
1	0035	8	275.	*	1	0635	80	297.	*	1	1235	152	7377.	*	1	1835	224	2150.				
1	0040	9	275.	*	1	0640	81	298.	*	1	1240	153	8967.	*	1	1840	225	2144.				
1	0045	10	275.	*	1	0645	82	298.	*	1	1245	154	10350.	*	1	1845	226	2139.				
1	0050	11	275.	*	1	0650	83	298.	*	1	1250	155	11292.	*	1	1850	227	2135.				
1	0055	12	275.	*	1	0655	84	298.	*	1	1255	156	11731.	*	1	1855	228	2131.				
1	0100	13	275.	*	1	0700	85	298.	*	1	1300	157	11795.	*	1	1900	229	2128.				
1	0105	14	275.	*	1	0705	86	298.	*	1	1305	158	11658.	*	1	1905	230	2126.				
1	0110	15	275.	*	1	0710	87	298.	*	1	1310	159	11444.	*	1	1910	231	2124.				
1	0115	16	275.	*	1	0715	88	298.	*	1	1315	160	11165.	*	1	1915	232	2123.				
1	0120	17	275.	*	1	0720	89	298.	*	1	1320	161	10785.	*	1	1920	233	2122.				
1	0125	18	275.	*	1	0725	90	298.	*	1	1325	162	10315.	*	1	1925	234	2121.				
1	0130	19	275.	*	1	0730	91	299.	*	1	1330	163	9884.	*	1	1930	235	2120.				
1	0135	20	275.	*	1	0735	92	299.	*	1	1335	164	9527.	*	1	1935	236	2120.				
1	0140	21	275.	*	1	0740	93	299.	*	1	1340	165	9181.	*	1	1940	237	2119.				
1	0145	22	275.	*	1	0745	94	299.	*	1	1345	166	8795.	*	1	1945	238	2118.				
1	0150	23	276.	*	1	0750	95	299.	*	1	1350	167	8369.	*	1	1950	239	2116.				
1	0155	24	276.	*	1	0755	96	299.	*	1	1355	168	7940.	*	1	1955	240	2112.				
1	0200	25	277.	*	1	0800	97	299.	*	1	1400	169	7540.	*	1	2000	241	2108.				
1	0205	26	278.	*	1	0805	98	299.	*	1	1405	170	7179.	*	1	2005	242	2102.				

1	0210	27	279.	*	1	0810	99	299.	*	1	1410	171	6845.	*	1	2010	243	2094.
1	0215	28	280.	*	1	0815	100	299.	*	1	1415	172	6532.	*	1	2015	244	2085.
1	0220	29	281.	*	1	0820	101	299.	*	1	1420	173	6240.	*	1	2020	245	2074.
1	0225	30	282.	*	1	0825	102	299.	*	1	1425	174	5971.	*	1	2025	246	2061.
1	0230	31	283.	*	1	0830	103	299.	*	1	1430	175	5723.	*	1	2030	247	2048.
1	0235	32	284.	*	1	0835	104	299.	*	1	1435	176	5495.	*	1	2035	248	2033.
1	0240	33	285.	*	1	0840	105	300.	*	1	1440	177	5286.	*	1	2040	249	2017.
1	0245	34	286.	*	1	0845	106	300.	*	1	1445	178	5096.	*	1	2045	250	1999.
1	0250	35	286.	*	1	0850	107	300.	*	1	1450	179	4925.	*	1	2050	251	1982.
1	0255	36	287.	*	1	0855	108	300.	*	1	1455	180	4771.	*	1	2055	252	1965.
1	0300	37	287.	*	1	0900	109	300.	*	1	1500	181	4634.	*	1	2100	253	1950.
1	0305	38	288.	*	1	0905	110	300.	*	1	1505	182	4511.	*	1	2105	254	1938.
1	0310	39	288.	*	1	0910	111	300.	*	1	1510	183	4394.	*	1	2110	255	1929.
1	0315	40	289.	*	1	0915	112	300.	*	1	1515	184	4284.	*	1	2115	256	1924.
1	0320	41	289.	*	1	0920	113	300.	*	1	1520	185	4177.	*	1	2120	257	1919.
1	0325	42	290.	*	1	0925	114	300.	*	1	1525	186	4071.	*	1	2125	258	1916.
1	0330	43	290.	*	1	0930	115	300.	*	1	1530	187	3966.	*	1	2130	259	1912.
1	0335	44	290.	*	1	0935	116	300.	*	1	1535	188	3864.	*	1	2135	260	1909.
1	0340	45	291.	*	1	0940	117	300.	*	1	1540	189	3766.	*	1	2140	261	1906.
1	0345	46	291.	*	1	0945	118	301.	*	1	1545	190	3672.	*	1	2145	262	1901.
1	0350	47	291.	*	1	0950	119	301.	*	1	1550	191	3582.	*	1	2150	263	1896.
1	0355	48	292.	*	1	0955	120	301.	*	1	1555	192	3494.	*	1	2155	264	1888.
1	0400	49	292.	*	1	1000	121	302.	*	1	1600	193	3408.	*	1	2200	265	1878.
1	0405	50	292.	*	1	1005	122	303.	*	1	1605	194	3324.	*	1	2205	266	1864.
1	0410	51	293.	*	1	1010	123	303.	*	1	1610	195	3242.	*	1	2210	267	1846.
1	0415	52	293.	*	1	1015	124	304.	*	1	1615	196	3162.	*	1	2215	268	1825.
1	0420	53	293.	*	1	1020	125	305.	*	1	1620	197	3085.	*	1	2220	269	1802.
1	0425	54	293.	*	1	1025	126	307.	*	1	1625	198	3011.	*	1	2225	270	1779.
1	0430	55	294.	*	1	1030	127	308.	*	1	1630	199	2940.	*	1	2230	271	1756.
1	0435	56	294.	*	1	1035	128	310.	*	1	1635	200	2872.	*	1	2235	272	1733.
1	0440	57	294.	*	1	1040	129	311.	*	1	1640	201	2808.	*	1	2240	273	1712.
1	0445	58	294.	*	1	1045	130	313.	*	1	1645	202	2747.	*	1	2245	274	1690.
1	0450	59	295.	*	1	1050	131	315.	*	1	1650	203	2690.	*	1	2250	275	1669.
1	0455	60	295.	*	1	1055	132	317.	*	1	1655	204	2637.	*	1	2255	276	1649.
1	0500	61	295.	*	1	1100	133	319.	*	1	1700	205	2587.	*	1	2300	277	1628.
1	0505	62	295.	*	1	1105	134	321.	*	1	1705	206	2541.	*	1	2305	278	1608.
1	0510	63	295.	*	1	1110	135	324.	*	1	1710	207	2498.	*	1	2310	279	1588.
1	0515	64	295.	*	1	1115	136	327.	*	1	1715	208	2458.	*	1	2315	280	1568.
1	0520	65	296.	*	1	1120	137	330.	*	1	1720	209	2422.	*	1	2320	281	1551.
1	0525	66	296.	*	1	1125	138	336.	*	1	1725	210	2388.	*	1	2325	282	1535.
1	0530	67	296.	*	1	1130	139	343.	*	1	1730	211	2358.	*	1	2330	283	1521.
1	0535	68	296.	*	1	1135	140	356.	*	1	1735	212	2330.	*	1	2335	284	1509.
1	0540	69	296.	*	1	1140	141	378.	*	1	1740	213	2305.	*	1	2340	285	1499.
1	0545	70	296.	*	1	1145	142	420.	*	1	1745	214	2282.	*	1	2345	286	1490.
1	0550	71	296.	*	1	1150	143	504.	*	1	1750	215	2262.	*	1	2350	287	1480.
1	0555	72	297.	*	1	1155	144	646.	*	1	1755	216	2243.	*	1	2355	288	1476.

*

*

*

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	23.92-HR
11795.	13.00	(CFS)	5236.	1934.	1934.	1934.
		(INCHES)	.424	.624	.624	.624
		(AC-FT)	2596.	3822.	3822.	3822.

CUMULATIVE AREA = 114.88 SQ MI

*** **

* *
1013 KK * DP27 *
* *

COMBINE RUNOFF FROM RT 226, VM 1310, WS 3813 & MONUMENT (CONFLUENCE)

1015 KO OUTPUT CONTROL VARIABLES
IPRNT 0 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 288 LAST ORDINATE PUNCHED OR SAVED
TIMINT .083 TIME INTERVAL IN HOURS

1016 HC HYDROGRAPH COMBINATION
ICOMP 4 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION DP27
SUM OF 4 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
					*						*						*					
1	0000	1	344.	*	1	0600	73	365.	*	1	1200	145	2269.	*	1	1800	217	6998.				
1	0005	2	344.	*	1	0605	74	365.	*	1	1205	146	3425.	*	1	1805	218	6917.				
1	0010	3	344.	*	1	0610	75	365.	*	1	1210	147	5195.	*	1	1810	219	6841.				
1	0015	4	344.	*	1	0615	76	365.	*	1	1215	148	7197.	*	1	1815	220	6769.				
1	0020	5	344.	*	1	0620	77	365.	*	1	1220	149	9155.	*	1	1820	221	6701.				
1	0025	6	344.	*	1	0625	78	365.	*	1	1225	150	11368.	*	1	1825	222	6635.				
1	0030	7	344.	*	1	0630	79	366.	*	1	1230	151	13901.	*	1	1830	223	6572.				
1	0035	8	344.	*	1	0635	80	366.	*	1	1235	152	16644.	*	1	1835	224	6513.				
1	0040	9	344.	*	1	0640	81	366.	*	1	1240	153	19663.	*	1	1840	225	6455.				
1	0045	10	344.	*	1	0645	82	366.	*	1	1245	154	22815.	*	1	1845	226	6399.				
1	0050	11	344.	*	1	0650	83	366.	*	1	1250	155	25478.	*	1	1850	227	6346.				
1	0055	12	344.	*	1	0655	84	366.	*	1	1255	156	27204.	*	1	1855	228	6292.				
1	0100	13	344.	*	1	0700	85	366.	*	1	1300	157	28070.	*	1	1900	229	6241.				
1	0105	14	344.	*	1	0705	86	367.	*	1	1305	158	28375.	*	1	1905	230	6190.				
1	0110	15	344.	*	1	0710	87	368.	*	1	1310	159	28469.	*	1	1910	231	6143.				
1	0115	16	344.	*	1	0715	88	368.	*	1	1315	160	28666.	*	1	1915	232	6098.				
1	0120	17	344.	*	1	0720	89	368.	*	1	1320	161	29108.	*	1	1920	233	6056.				
1	0125	18	344.	*	1	0725	90	368.	*	1	1325	162	29696.	*	1	1925	234	6017.				
1	0130	19	344.	*	1	0730	91	368.	*	1	1330	163	30201.	*	1	1930	235	5980.				
1	0135	20	344.	*	1	0735	92	368.	*	1	1335	164	30456.	*	1	1935	236	5946.				
1	0140	21	344.	*	1	0740	93	369.	*	1	1340	165	30438.	*	1	1940	237	5914.				
1	0145	22	344.	*	1	0745	94	369.	*	1	1345	166	30191.	*	1	1945	238	5882.				
1	0150	23	344.	*	1	0750	95	370.	*	1	1350	167	29740.	*	1	1950	239	5850.				
1	0155	24	344.	*	1	0755	96	370.	*	1	1355	168	29088.	*	1	1955	240	5818.				
1	0200	25	344.	*	1	0800	97	371.	*	1	1400	169	28251.	*	1	2000	241	5784.				

1	0205	26	344.	*	1	0805	98	371.	*	1	1405	170	27269.	*	1	2005	242	5751.
1	0210	27	344.	*	1	0810	99	371.	*	1	1410	171	26199.	*	1	2010	243	5716.
1	0215	28	344.	*	1	0815	100	372.	*	1	1415	172	25092.	*	1	2015	244	5680.
1	0220	29	345.	*	1	0820	101	373.	*	1	1420	173	23980.	*	1	2020	245	5642.
1	0225	30	345.	*	1	0825	102	373.	*	1	1425	174	22883.	*	1	2025	246	5602.
1	0230	31	346.	*	1	0830	103	373.	*	1	1430	175	21811.	*	1	2030	247	5559.
1	0235	32	346.	*	1	0835	104	375.	*	1	1435	176	20777.	*	1	2035	248	5515.
1	0240	33	347.	*	1	0840	105	375.	*	1	1440	177	19791.	*	1	2040	249	5471.
1	0245	34	348.	*	1	0845	106	375.	*	1	1445	178	18863.	*	1	2045	250	5424.
1	0250	35	349.	*	1	0850	107	376.	*	1	1450	179	18000.	*	1	2050	251	5377.
1	0255	36	350.	*	1	0855	108	377.	*	1	1455	180	17205.	*	1	2055	252	5329.
1	0300	37	351.	*	1	0900	109	378.	*	1	1500	181	16478.	*	1	2100	253	5280.
1	0305	38	352.	*	1	0905	110	379.	*	1	1505	182	15820.	*	1	2105	254	5232.
1	0310	39	353.	*	1	0910	111	379.	*	1	1510	183	15222.	*	1	2110	255	5184.
1	0315	40	354.	*	1	0915	112	381.	*	1	1515	184	14680.	*	1	2115	256	5137.
1	0320	41	355.	*	1	0920	113	381.	*	1	1520	185	14183.	*	1	2120	257	5093.
1	0325	42	356.	*	1	0925	114	383.	*	1	1525	186	13723.	*	1	2125	258	5050.
1	0330	43	356.	*	1	0930	115	385.	*	1	1530	187	13294.	*	1	2130	259	5010.
1	0335	44	357.	*	1	0935	116	386.	*	1	1535	188	12890.	*	1	2135	260	4973.
1	0340	45	357.	*	1	0940	117	388.	*	1	1540	189	12508.	*	1	2140	261	4940.
1	0345	46	358.	*	1	0945	118	389.	*	1	1545	190	12145.	*	1	2145	262	5008.
1	0350	47	358.	*	1	0950	119	391.	*	1	1550	191	11801.	*	1	2150	263	4877.
1	0355	48	358.	*	1	0955	120	394.	*	1	1555	192	11476.	*	1	2155	264	4849.
1	0400	49	359.	*	1	1000	121	395.	*	1	1600	193	11169.	*	1	2200	265	4821.
1	0405	50	359.	*	1	1005	122	398.	*	1	1605	194	10880.	*	1	2205	266	4794.
1	0410	51	360.	*	1	1010	123	401.	*	1	1610	195	10607.	*	1	2210	267	4769.
1	0415	52	360.	*	1	1015	124	404.	*	1	1615	196	10348.	*	1	2215	268	4742.
1	0420	53	360.	*	1	1020	125	407.	*	1	1620	197	10103.	*	1	2220	269	4714.
1	0425	54	361.	*	1	1025	126	411.	*	1	1625	198	9869.	*	1	2225	270	4683.
1	0430	55	361.	*	1	1030	127	415.	*	1	1630	199	9646.	*	1	2230	271	4650.
1	0435	56	361.	*	1	1035	128	419.	*	1	1635	200	9432.	*	1	2235	272	4616.
1	0440	57	362.	*	1	1040	129	425.	*	1	1640	201	9225.	*	1	2240	273	4579.
1	0445	58	362.	*	1	1045	130	430.	*	1	1645	202	9017.	*	1	2245	274	4542.
1	0450	59	362.	*	1	1050	131	436.	*	1	1650	203	8812.	*	1	2250	275	4504.
1	0455	60	362.	*	1	1055	132	444.	*	1	1655	204	8620.	*	1	2255	276	4468.
1	0500	61	363.	*	1	1100	133	449.	*	1	1700	205	8441.	*	1	2300	277	4432.
1	0505	62	363.	*	1	1105	134	458.	*	1	1705	206	8197.	*	1	2305	278	4392.
1	0510	63	363.	*	1	1110	135	469.	*	1	1710	207	8071.	*	1	2310	279	4355.
1	0515	64	363.	*	1	1115	136	477.	*	1	1715	208	7984.	*	1	2315	280	4334.
1	0520	65	363.	*	1	1120	137	490.	*	1	1720	209	7854.	*	1	2320	281	4302.
1	0525	66	364.	*	1	1125	138	506.	*	1	1725	210	7729.	*	1	2325	282	4272.
1	0530	67	364.	*	1	1130	139	532.	*	1	1730	211	7600.	*	1	2330	283	4242.
1	0535	68	364.	*	1	1135	140	574.	*	1	1735	212	7479.	*	1	2335	284	4214.
1	0540	69	364.	*	1	1140	141	654.	*	1	1740	213	7368.	*	1	2340	285	4186.
1	0545	70	364.	*	1	1145	142	808.	*	1	1745	214	7268.	*	1	2345	286	4160.
1	0550	71	364.	*	1	1150	143	1093.	*	1	1750	215	7172.	*	1	2350	287	4134.
1	0555	72	365.	*	1	1155	144	1554.	*	1	1755	216	7083.	*	1	2355	288	4118.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	23.92-HR
30456.	13.58	(CFS) 16261.	5579.	5579.	5579.
		(INCHES) .423	.578	.578	.578
		(AC-FT) 8063.	11028.	11028.	11028.

CUMULATIVE AREA = 357.51 SQ MI

*** **

*
1359 KK * DP31 *
*

COMBINE RUNOFF FROM RT 234, MSC 4210 & FC 4110 (D/S BOUNDARY)

1361 KO OUTPUT CONTROL VARIABLES

IPRNT 0 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 288 LAST ORDINATE PUNCHED OR SAVED
TIMINT .083 TIME INTERVAL IN HOURS

1362 HC HYDROGRAPH COMBINATION

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION DP31
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	0000	1	494.	*	1	0600	73	513.	*	1	1200	145	2793.	*	1	1800	217	8773.				
1	0005	2	494.	*	1	0605	74	513.	*	1	1205	146	3779.	*	1	1805	218	8654.				
1	0010	3	494.	*	1	0610	75	513.	*	1	1210	147	4913.	*	1	1810	219	8540.				
1	0015	4	494.	*	1	0615	76	514.	*	1	1215	148	6074.	*	1	1815	220	8432.				
1	0020	5	494.	*	1	0620	77	514.	*	1	1220	149	7185.	*	1	1820	221	8331.				
1	0025	6	494.	*	1	0625	78	514.	*	1	1225	150	8223.	*	1	1825	222	8236.				
1	0030	7	494.	*	1	0630	79	514.	*	1	1230	151	9238.	*	1	1830	223	8147.				
1	0035	8	494.	*	1	0635	80	514.	*	1	1235	152	10373.	*	1	1835	224	8065.				
1	0040	9	494.	*	1	0640	81	514.	*	1	1240	153	11912.	*	1	1840	225	7987.				
1	0045	10	494.	*	1	0645	82	515.	*	1	1245	154	13948.	*	1	1845	226	7913.				
1	0050	11	494.	*	1	0650	83	515.	*	1	1250	155	16369.	*	1	1850	227	7842.				
1	0055	12	494.	*	1	0655	84	515.	*	1	1255	156	19028.	*	1	1855	228	7775.				
1	0100	13	494.	*	1	0700	85	516.	*	1	1300	157	21805.	*	1	1900	229	7711.				
1	0105	14	494.	*	1	0705	86	516.	*	1	1305	158	24583.	*	1	1905	230	7650.				
1	0110	15	494.	*	1	0710	87	516.	*	1	1310	159	27208.	*	1	1910	231	7592.				
1	0115	16	494.	*	1	0715	88	517.	*	1	1315	160	29485.	*	1	1915	232	7536.				
1	0120	17	494.	*	1	0720	89	517.	*	1	1320	161	31232.	*	1	1920	233	7482.				
1	0125	18	494.	*	1	0725	90	518.	*	1	1325	162	32339.	*	1	1925	234	7429.				
1	0130	19	494.	*	1	0730	91	518.	*	1	1330	163	32857.	*	1	1930	235	7379.				
1	0135	20	494.	*	1	0735	92	519.	*	1	1335	164	33089.	*	1	1935	236	7328.				
1	0140	21	494.	*	1	0740	93	519.	*	1	1340	165	33228.	*	1	1940	237	7279.				
1	0145	22	494.	*	1	0745	94	520.	*	1	1345	166	33350.	*	1	1945	238	7229.				
1	0150	23	494.	*	1	0750	95	521.	*	1	1350	167	33449.	*	1	1950	239	7179.				
1	0155	24	494.	*	1	0755	96	521.	*	1	1355	168	33480.	*	1	1955	240	7129.				

1	0200	25	494.	*	1	0800	97	522.	*	1	1400	169	33394.	*	1	2000	241	7081.
1	0205	26	494.	*	1	0805	98	522.	*	1	1405	170	33153.	*	1	2005	242	7034.
1	0210	27	494.	*	1	0810	99	523.	*	1	1410	171	32737.	*	1	2010	243	6989.
1	0215	28	494.	*	1	0815	100	524.	*	1	1415	172	32143.	*	1	2015	244	6945.
1	0220	29	494.	*	1	0820	101	524.	*	1	1420	173	31366.	*	1	2020	245	6904.
1	0225	30	494.	*	1	0825	102	525.	*	1	1425	174	30460.	*	1	2025	246	6863.
1	0230	31	494.	*	1	0830	103	526.	*	1	1430	175	29470.	*	1	2030	247	6823.
1	0235	32	494.	*	1	0835	104	527.	*	1	1435	176	28429.	*	1	2035	248	6783.
1	0240	33	494.	*	1	0840	105	528.	*	1	1440	177	27360.	*	1	2040	249	6740.
1	0245	34	494.	*	1	0845	106	529.	*	1	1445	178	26282.	*	1	2045	250	6696.
1	0250	35	494.	*	1	0850	107	530.	*	1	1450	179	25209.	*	1	2050	251	6651.
1	0255	36	494.	*	1	0855	108	532.	*	1	1455	180	24153.	*	1	2055	252	6610.
1	0300	37	494.	*	1	0900	109	533.	*	1	1500	181	23124.	*	1	2100	253	6578.
1	0305	38	495.	*	1	0905	110	535.	*	1	1505	182	22134.	*	1	2105	254	6553.
1	0310	39	495.	*	1	0910	111	537.	*	1	1510	183	21202.	*	1	2110	255	6527.
1	0315	40	495.	*	1	0915	112	539.	*	1	1515	184	20332.	*	1	2115	256	6493.
1	0320	41	496.	*	1	0920	113	541.	*	1	1520	185	19521.	*	1	2120	257	6452.
1	0325	42	497.	*	1	0925	114	543.	*	1	1525	186	18768.	*	1	2125	258	6401.
1	0330	43	497.	*	1	0930	115	545.	*	1	1530	187	18070.	*	1	2130	259	6344.
1	0335	44	498.	*	1	0935	116	548.	*	1	1535	188	17423.	*	1	2135	260	6281.
1	0340	45	499.	*	1	0940	117	551.	*	1	1540	189	16823.	*	1	2140	261	6212.
1	0345	46	500.	*	1	0945	118	554.	*	1	1545	190	16265.	*	1	2145	262	6141.
1	0350	47	501.	*	1	0950	119	558.	*	1	1550	191	15745.	*	1	2150	263	6069.
1	0355	48	502.	*	1	0955	120	562.	*	1	1555	192	15259.	*	1	2155	264	6001.
1	0400	49	503.	*	1	1000	121	567.	*	1	1600	193	14806.	*	1	2200	265	5938.
1	0405	50	504.	*	1	1005	122	573.	*	1	1605	194	14381.	*	1	2205	266	5882.
1	0410	51	505.	*	1	1010	123	579.	*	1	1610	195	13979.	*	1	2210	267	5835.
1	0415	52	505.	*	1	1015	124	587.	*	1	1615	196	13597.	*	1	2215	268	5794.
1	0420	53	506.	*	1	1020	125	595.	*	1	1620	197	13236.	*	1	2220	269	5758.
1	0425	54	506.	*	1	1025	126	605.	*	1	1625	198	12894.	*	1	2225	270	5725.
1	0430	55	507.	*	1	1030	127	615.	*	1	1630	199	12570.	*	1	2230	271	5695.
1	0435	56	507.	*	1	1035	128	626.	*	1	1635	200	12263.	*	1	2235	272	5669.
1	0440	57	508.	*	1	1040	129	637.	*	1	1640	201	11972.	*	1	2240	273	5643.
1	0445	58	508.	*	1	1045	130	649.	*	1	1645	202	11696.	*	1	2245	274	5615.
1	0450	59	509.	*	1	1050	131	661.	*	1	1650	203	11436.	*	1	2250	275	5583.
1	0455	60	509.	*	1	1055	132	674.	*	1	1655	204	11188.	*	1	2255	276	5545.
1	0500	61	509.	*	1	1100	133	687.	*	1	1700	205	10949.	*	1	2300	277	5501.
1	0505	62	510.	*	1	1105	134	700.	*	1	1705	206	10717.	*	1	2305	278	5454.
1	0510	63	510.	*	1	1110	135	713.	*	1	1710	207	10493.	*	1	2310	279	5403.
1	0515	64	511.	*	1	1115	136	729.	*	1	1715	208	10274.	*	1	2315	280	5352.
1	0520	65	511.	*	1	1120	137	751.	*	1	1720	209	10061.	*	1	2320	281	5301.
1	0525	66	511.	*	1	1125	138	782.	*	1	1725	210	9854.	*	1	2325	282	5252.
1	0530	67	511.	*	1	1130	139	824.	*	1	1730	211	9657.	*	1	2330	283	5206.
1	0535	68	512.	*	1	1135	140	888.	*	1	1735	212	9472.	*	1	2335	284	5163.
1	0540	69	512.	*	1	1140	141	987.	*	1	1740	213	9307.	*	1	2340	285	5123.
1	0545	70	512.	*	1	1145	142	1164.	*	1	1745	214	9160.	*	1	2345	286	5085.
1	0550	71	512.	*	1	1150	143	1486.	*	1	1750	215	9024.	*	1	2350	287	5050.
1	0555	72	513.	*	1	1155	144	2020.	*	1	1755	216	8896.	*	1	2355	288	5033.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	23.92-HR
33480.	13.92	(CFS) 18731.	6570.	6570.	6570.
		(INCHES) .417	.584	.584	.584
		(AC-FT) 9288.	12986.	12986.	12986.

CUMULATIVE AREA = 417.14 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	2510	91.	12.75	40.	17.	17.	2.16		
ROUTED TO	RT163A	91.	12.92	40.	17.	17.	2.16		
ROUTED TO	RT163B	90.	13.08	40.	17.	17.	2.16		
ROUTED TO	RT163C	89.	13.25	40.	17.	17.	2.16		
ROUTED TO	RT163D	90.	13.33	40.	17.	17.	2.16		
ROUTED TO	RT163E	92.	13.25	40.	17.	17.	2.16		
ROUTED TO	RT163F	90.	13.75	40.	16.	16.	2.16		
HYDROGRAPH AT	2511	291.	12.75	112.	41.	41.	3.76		
HYDROGRAPH AT	2512	433.	12.75	165.	58.	58.	5.62		
HYDROGRAPH AT	2513	122.	12.67	49.	20.	20.	1.88		
HYDROGRAPH AT	2610	107.	12.67	43.	18.	18.	1.41		
5 COMBINED AT	DP10	955.	12.67	406.	154.	154.	14.83		
ROUTED TO	RT200A	955.	12.75	405.	153.	153.	14.83		
ROUTED TO	RT200B	952.	12.75	405.	153.	153.	14.83		
HYDROGRAPH AT	2611	89.	12.50	33.	15.	15.	1.02		
2 COMBINED AT	DP11	1031.	12.75	438.	168.	168.	15.85		
ROUTED TO	RT202	1026.	12.92	437.	166.	166.	15.85		
HYDROGRAPH AT	2410	117.	12.58	46.	19.	19.	2.46		
ROUTED TO	RT153	117.	12.83	45.	19.	19.	2.46		
HYDROGRAPH AT	2411	85.	12.75	37.	16.	16.	1.97		
2 COMBINED AT	DP73	202.	12.83	82.	35.	35.	4.43		
ROUTED TO	RT155A	202.	12.92	82.	35.	35.	4.43		
ROUTED TO	RT155B	201.	13.00	82.	35.	35.	4.43		
ROUTED TO	RT155C	200.	13.08	81.	34.	34.	4.43		
ROUTED TO	RT155D	199.	13.17	81.	34.	34.	4.43		
ROUTED TO	RT155E	197.	13.25	81.	34.	34.	4.43		

ROUTED TO	RT155F	196.	13.33	81.	34.	34.	4.43		
HYDROGRAPH AT	2412	110.	12.83	47.	19.	19.	1.82		
2 COMBINED AT	DP75	281.	13.25	124.	53.	53.	6.25		
ROUTED TO	NCAT	0.	.08	0.	0.	0.	6.25	9339.32	23.92
HYDROGRAPH AT	2413	61.	12.50	23.	11.	11.	.78		
ROUTED TO	RT157	60.	12.92	23.	11.	11.	.78		
HYDROGRAPH AT	2414	208.	12.67	78.	30.	30.	3.17		
2 COMBINED AT	DP79	262.	12.67	101.	41.	41.	3.95		
ROUTED TO	RT159	263.	12.92	101.	40.	40.	3.95		
HYDROGRAPH AT	2415	111.	12.67	44.	18.	18.	1.67		
2 COMBINED AT	DP81	360.	12.92	144.	58.	58.	5.62		
ROUTED TO	SCAT	20.	23.92	9.	2.	2.	5.62	9335.16	23.92
2 COMBINED AT	DP77	20.	23.92	9.	2.	2.	11.87		
ROUTED TO	RT161A	19.	23.92	7.	2.	2.	11.87		
ROUTED TO	RT161B	18.	23.92	5.	1.	1.	11.87		
HYDROGRAPH AT	2416	183.	12.58	65.	25.	25.	1.68		
2 COMBINED AT	DP83	183.	12.58	65.	26.	26.	13.55		
HYDROGRAPH AT	2417	36.	12.42	14.	8.	8.	.24		
HYDROGRAPH AT	2310	334.	12.50	108.	39.	39.	2.55		
ROUTED TO	RT149A	332.	12.67	108.	38.	38.	2.55		
ROUTED TO	RT149B	331.	12.75	108.	38.	38.	2.55		
HYDROGRAPH AT	2311	223.	12.58	77.	29.	29.	1.94		
2 COMBINED AT	DP69	547.	12.67	183.	67.	67.	4.49		
ROUTED TO	CCR	91.	16.17	88.	41.	41.	4.49	9230.98	16.08
ROUTED TO	RT151	91.	16.33	88.	40.	40.	4.49		
HYDROGRAPH AT	2312	94.	12.42	30.	13.	13.	.56		
2 COMBINED AT	DP71	107.	15.42	103.	53.	53.	5.05		
4 COMBINED AT	DP13	1301.	12.83	613.	254.	254.	34.69		
ROUTED TO	RT204	1300.	13.00	613.	249.	249.	34.69		
HYDROGRAPH AT	2710	422.	12.58	135.	47.	47.	2.55		

HYDROGRAPH AT	2810	180.	12.50	58.	22.	22.	1.11
3 COMBINED AT	DP14	1715.	13.00	783.	318.	318.	38.35
ROUTED TO	RT206	1729.	12.92	782.	316.	316.	38.35
HYDROGRAPH AT	2910	302.	12.50	95.	34.	34.	1.78
HYDROGRAPH AT	2210	405.	12.67	142.	49.	49.	2.51
3 COMBINED AT	DP15	2324.	12.92	1012.	399.	399.	42.64
ROUTED TO	RT208A	2312.	13.08	1011.	396.	396.	42.64
ROUTED TO	RT208B	2316.	13.17	1010.	392.	392.	42.64
HYDROGRAPH AT	2110	235.	12.58	81.	30.	30.	1.90
HYDROGRAPH AT	2111	240.	12.58	81.	30.	30.	1.91
2 COMBINED AT	DP63	475.	12.58	162.	60.	60.	3.81
ROUTED TO	RT143	472.	12.67	162.	59.	59.	3.81
HYDROGRAPH AT	2112	65.	12.50	23.	11.	11.	.37
HYDROGRAPH AT	2113	190.	12.50	65.	25.	25.	1.77
ROUTED TO	RT145A	189.	12.67	65.	25.	25.	1.77
ROUTED TO	RT145B	188.	12.67	65.	25.	25.	1.77
ROUTED TO	RT145C	187.	12.83	65.	25.	25.	1.77
ROUTED TO	RT145D	186.	12.92	65.	25.	25.	1.77
HYDROGRAPH AT	2114	224.	12.58	75.	28.	28.	1.61
4 COMBINED AT	DP65	916.	12.67	322.	123.	123.	7.56
ROUTED TO	RT147	910.	12.75	322.	122.	122.	7.56
HYDROGRAPH AT	2115	153.	12.33	43.	17.	17.	.65
2 COMBINED AT	DP67	1013.	12.75	364.	139.	139.	8.21
HYDROGRAPH AT	3010	222.	12.33	60.	22.	22.	.88
3 COMBINED AT	DP16	3154.	13.17	1406.	554.	554.	51.73
ROUTED TO	RT210	3149.	13.25	1406.	551.	551.	51.73
HYDROGRAPH AT	2010	276.	12.58	97.	35.	35.	2.50
ROUTED TO	RT135	275.	12.67	97.	35.	35.	2.50
HYDROGRAPH AT	2011	155.	12.42	49.	19.	19.	1.00
2 COMBINED AT	DP57	418.	12.58	145.	54.	54.	3.50

ROUTED TO	MTR	272.	13.17	141.	53.	53.	3.50	9000.54	13.17
ROUTED TO	RT137	272.	13.33	141.	52.	52.	3.50		
HYDROGRAPH AT	2012	179.	12.58	62.	23.	23.	1.20		
HYDROGRAPH AT	2013	325.	12.58	109.	39.	39.	2.62		
ROUTED TO	RT139	323.	12.75	109.	39.	39.	2.62		
HYDROGRAPH AT	2014	438.	12.50	129.	44.	44.	2.12		
4 COMBINED AT	DP59	1014.	12.75	433.	159.	159.	9.44		
ROUTED TO	RT141	1011.	12.75	433.	158.	158.	9.44		
HYDROGRAPH AT	2015	228.	12.33	63.	23.	23.	.93		
2 COMBINED AT	DP61	1169.	12.75	495.	182.	182.	10.37		
HYDROGRAPH AT	3011	484.	12.42	135.	46.	46.	1.95		
3 COMBINED AT	DP17	4267.	13.25	2018.	779.	779.	64.05		
ROUTED TO	RT212A	4254.	13.25	2018.	776.	776.	64.05		
ROUTED TO	RT212B	4245.	13.33	2017.	772.	772.	64.05		
HYDROGRAPH AT	3012	152.	12.33	40.	16.	16.	.56		
HYDROGRAPH AT	3110	407.	12.50	124.	43.	43.	1.78		
HYDROGRAPH AT	1910	374.	12.42	105.	37.	37.	1.50		
4 COMBINED AT	DP18	4616.	13.33	2258.	868.	868.	67.89		
ROUTED TO	RT214A	4596.	13.42	2257.	865.	865.	67.89		
ROUTED TO	RT214B	4578.	13.42	2257.	862.	862.	67.89		
HYDROGRAPH AT	3111	111.	12.42	34.	14.	14.	.43		
HYDROGRAPH AT	1911	316.	12.42	92.	32.	32.	1.30		
HYDROGRAPH AT	1713	314.	12.50	102.	37.	37.	2.30		
ROUTED TO	LKM	39.	19.83	39.	16.	16.	2.30	10222.23	19.17
ROUTED TO	RT129A	39.	20.00	39.	15.	15.	2.30		
ROUTED TO	RT129B	39.	20.17	39.	15.	15.	2.30		
ROUTED TO	RT129C	39.	20.33	39.	14.	14.	2.30		
HYDROGRAPH AT	1714	333.	12.58	109.	39.	39.	2.20		
HYDROGRAPH AT	1715	175.	12.50	56.	21.	21.	1.00		
2 COMBINED AT	DP53	507.	12.50	165.	60.	60.	3.20		

ROUTED TO	BTR	241.	13.33	146.	56.	56.	3.20	9331.71	13.33
ROUTED TO	RT131	241.	13.50	146.	55.	55.	3.20		
HYDROGRAPH AT	1710	393.	12.58	132.	46.	46.	2.90		
HYDROGRAPH AT	1711	292.	12.58	100.	36.	36.	2.40		
2 COMBINED AT	DP54	685.	12.58	232.	82.	82.	5.30		
HYDROGRAPH AT	1712	335.	12.58	110.	39.	39.	2.40		
HYDROGRAPH AT	1716	135.	12.42	41.	16.	16.	.70		
5 COMBINED AT	DP51	1200.	12.58	541.	208.	208.	13.90		
ROUTED TO	RT133A	1199.	12.67	540.	207.	207.	13.90		
ROUTED TO	RT133B	1191.	12.75	540.	206.	206.	13.90		
ROUTED TO	RT133C	1193.	12.75	539.	205.	205.	13.90		
ROUTED TO	RT133D	1188.	12.83	539.	205.	205.	13.90		
HYDROGRAPH AT	1718	386.	12.50	118.	41.	41.	1.70		
HYDROGRAPH AT	1717	437.	12.50	133.	46.	46.	2.20		
3 COMBINED AT	DP55	1914.	12.67	778.	291.	291.	17.80		
4 COMBINED AT	DP21	6315.	13.08	3138.	1200.	1200.	87.42		
ROUTED TO	RT216	6295.	13.17	3137.	1191.	1191.	87.42		
HYDROGRAPH AT	3310	635.	12.58	196.	65.	65.	2.30		
HYDROGRAPH AT	1810	201.	12.42	57.	21.	21.	.72		
HYDROGRAPH AT	1610	403.	12.42	118.	41.	41.	2.10		
ROUTED TO	RT123	401.	12.50	118.	41.	41.	2.10		
HYDROGRAPH AT	1611	156.	12.42	46.	18.	18.	.70		
HYDROGRAPH AT	1612	302.	12.42	90.	32.	32.	1.50		
3 COMBINED AT	DP45	854.	12.50	254.	92.	92.	4.30		
ROUTED TO	RT125	845.	12.50	254.	91.	91.	4.30		
HYDROGRAPH AT	1613	133.	12.42	40.	16.	16.	.60		
2 COMBINED AT	DP47	975.	12.50	293.	107.	107.	4.90		
ROUTED TO	RT127	966.	12.67	293.	107.	107.	4.90		
HYDROGRAPH AT	1614	241.	12.42	69.	25.	25.	.90		
2 COMBINED AT	DP49	1192.	12.58	359.	132.	132.	5.80		

HYDROGRAPH AT	3210	502.	12.50	151.	51.	51.	1.81
ROUTED TO	RT165A	499.	12.58	151.	51.	51.	1.81
ROUTED TO	RT165B	497.	12.67	150.	50.	50.	1.81
ROUTED TO	RT165C	497.	12.75	150.	50.	50.	1.81
ROUTED TO	RT165D	495.	12.83	150.	50.	50.	1.81
ROUTED TO	RT165E	495.	12.83	151.	50.	50.	1.81
ROUTED TO	RT165F	493.	12.92	151.	50.	50.	1.81
HYDROGRAPH AT	3211	281.	12.58	92.	32.	32.	1.13
2 COMBINED AT	DP50	736.	12.83	238.	82.	82.	2.94
5 COMBINED AT	DP22	8141.	13.08	3954.	1492.	1492.	99.18
ROUTED TO	RT218	8130.	13.17	3953.	1488.	1488.	99.18
HYDROGRAPH AT	3510	196.	12.42	57.	21.	21.	.61
HYDROGRAPH AT	3410	327.	12.42	91.	32.	32.	1.00
3 COMBINED AT	DP23	8395.	13.00	4086.	1541.	1541.	100.79
ROUTED TO	RT220	8392.	13.08	4083.	1535.	1535.	100.79
HYDROGRAPH AT	1510	417.	12.50	131.	46.	46.	2.50
HYDROGRAPH AT	3610	420.	12.42	119.	41.	41.	1.71
ROUTED TO	RT167	417.	12.58	119.	41.	41.	1.71
HYDROGRAPH AT	3611	453.	12.42	128.	44.	44.	1.53
HYDROGRAPH AT	3612	293.	12.50	87.	31.	31.	1.15
3 COMBINED AT	DP85	1156.	12.50	333.	115.	115.	4.39
ROUTED TO	RT169A	1147.	12.58	333.	115.	115.	4.39
ROUTED TO	RT169B	1139.	12.67	333.	115.	115.	4.39
ROUTED TO	RT169C	1132.	12.75	332.	114.	114.	4.39
HYDROGRAPH AT	3613	394.	12.58	122.	42.	42.	1.45
HYDROGRAPH AT	3614	413.	12.50	125.	42.	42.	1.32
3 COMBINED AT	DP87	1908.	12.67	574.	198.	198.	7.16
ROUTED TO	RT171A	1901.	12.67	574.	198.	198.	7.16
ROUTED TO	RT171B	1886.	12.75	574.	198.	198.	7.16
ROUTED TO	RT171C	1884.	12.75	573.	197.	197.	7.16

HYDROGRAPH AT	3615	779.	12.50	224.	73.	73.	2.06
2 COMBINED AT	DP89	2573.	12.75	792.	270.	270.	9.22
ROUTED TO	RT173A	2554.	12.75	791.	269.	269.	9.22
ROUTED TO	RT173B	2541.	12.83	791.	269.	269.	9.22
ROUTED TO	RT173C	2519.	12.83	790.	268.	268.	9.22
ROUTED TO	RT173D	2511.	12.92	790.	267.	267.	9.22
ROUTED TO	RT173E	2485.	13.00	789.	267.	267.	9.22
HYDROGRAPH AT	3616	881.	12.58	270.	87.	87.	2.37
2 COMBINED AT	DP90	3226.	12.92	1043.	354.	354.	11.59
3 COMBINED AT	DP24	11795.	13.00	5236.	1934.	1934.	114.88
ROUTED TO	RT222	11776.	13.08	5232.	1923.	1923.	114.88
HYDROGRAPH AT	1410	377.	12.33	96.	33.	33.	.64
HYDROGRAPH AT	3810	200.	12.33	50.	19.	19.	.37
HYDROGRAPH AT	3811	177.	12.33	45.	17.	17.	.34
4 COMBINED AT	DP25	12085.	13.08	5377.	1993.	1993.	116.23
ROUTED TO	RT224	12046.	13.08	5375.	1987.	1987.	116.23
HYDROGRAPH AT	3710	236.	12.42	66.	24.	24.	.50
ROUTED TO	RT175A	236.	12.50	66.	24.	24.	.50
ROUTED TO	RT175B	236.	12.67	66.	24.	24.	.50
HYDROGRAPH AT	3812	387.	12.42	105.	36.	36.	.94
HYDROGRAPH AT	1310	127.	12.33	34.	14.	14.	.32
4 COMBINED AT	DP26	12460.	13.08	5551.	2061.	2061.	117.99
ROUTED TO	RT226	12407.	13.17	5549.	2052.	2052.	117.99
HYDROGRAPH AT	3813	203.	12.42	56.	21.	21.	.50
HYDROGRAPH AT	1311	111.	12.50	34.	14.	14.	.32
HYDROGRAPH AT	DP515	20039.	13.75	10656.	3493.	3493.	238.70
4 COMBINED AT	DP27	30456.	13.58	16261.	5579.	5579.	357.51
ROUTED TO	RT228	30427.	13.67	16250.	5567.	5567.	357.51
HYDROGRAPH AT	1210	172.	12.00	36.	15.	15.	1.10
HYDROGRAPH AT	1211	532.	12.25	151.	55.	55.	5.77

2 COMBINED AT	DP39	636.	12.17	187.	71.	71.	6.87
ROUTED TO	RT119A	633.	12.33	186.	70.	70.	6.87
ROUTED TO	RT119B	624.	12.50	186.	70.	70.	6.87
ROUTED TO	RT119C	623.	12.58	185.	70.	70.	6.87
ROUTED TO	RT119D	617.	12.75	185.	69.	69.	6.87
ROUTED TO	RT119E	607.	12.92	184.	69.	69.	6.87
HYDROGRAPH AT	1212	916.	12.17	187.	63.	63.	3.08
HYDROGRAPH AT	1213	288.	12.00	48.	19.	19.	.82
3 COMBINED AT	DP41	1135.	12.17	407.	150.	150.	10.77
ROUTED TO	RT121	1120.	12.25	407.	150.	150.	10.77
HYDROGRAPH AT	1214	238.	11.92	30.	13.	13.	.23
2 COMBINED AT	DP43	1185.	12.17	432.	162.	162.	11.00
2 COMBINED AT	DP28	30969.	13.67	16631.	5729.	5729.	368.51
ROUTED TO	RT230A	30889.	13.75	16625.	5717.	5717.	368.51
ROUTED TO	RT230B	30869.	13.75	16617.	5704.	5704.	368.51
HYDROGRAPH AT	3910	535.	12.08	98.	34.	34.	1.27
ROUTED TO	RT177A	534.	12.25	98.	34.	34.	1.27
ROUTED TO	RT177B	537.	12.42	98.	33.	33.	1.27
HYDROGRAPH AT	3911	604.	12.08	105.	36.	36.	1.22
HYDROGRAPH AT	3912	899.	12.08	161.	54.	54.	1.19
3 COMBINED AT	DP93	1520.	12.08	360.	123.	123.	3.68
ROUTED TO	RT179	1466.	12.50	358.	122.	122.	3.68
HYDROGRAPH AT	3913	778.	12.17	156.	52.	52.	1.96
HYDROGRAPH AT	3914	388.	12.08	72.	26.	26.	.62
3 COMBINED AT	DP95	2334.	12.33	585.	199.	199.	6.26
ROUTED TO	RT181A	2185.	12.58	582.	198.	198.	6.26
ROUTED TO	RT181B	2089.	12.75	580.	196.	196.	6.26
HYDROGRAPH AT	3916	792.	12.17	151.	51.	51.	1.02
HYDROGRAPH AT	3915	499.	12.25	109.	37.	37.	1.08
3 COMBINED AT	DP96	2626.	12.67	829.	284.	284.	8.36

HYDROGRAPH AT	1110	465.	12.00	86.	32.	32.	3.07
ROUTED TO	RT111A	439.	12.08	85.	32.	32.	3.07
ROUTED TO	RT111B	426.	12.25	84.	32.	32.	3.07
ROUTED TO	RT111C	416.	12.33	82.	31.	31.	3.07
ROUTED TO	RT111D	387.	12.50	82.	31.	31.	3.07
ROUTED TO	RT111E	358.	12.58	81.	31.	31.	3.07
HYDROGRAPH AT	1111	352.	12.17	95.	37.	37.	4.33
HYDROGRAPH AT	1112	119.	12.17	36.	16.	16.	1.68
3 COMBINED AT	DP32	616.	12.58	208.	84.	84.	9.08
ROUTED TO	RT113A	580.	12.67	208.	83.	83.	9.08
ROUTED TO	RT113B	569.	12.83	208.	83.	83.	9.08
ROUTED TO	RT113C	560.	12.92	207.	82.	82.	9.08
ROUTED TO	RT113D	553.	13.00	207.	82.	82.	9.08
HYDROGRAPH AT	1114	247.	12.25	84.	33.	33.	4.80
HYDROGRAPH AT	1115	322.	12.08	87.	34.	34.	4.51
2 COMBINED AT	DP35	551.	12.17	171.	68.	68.	9.31
ROUTED TO	RT115A	543.	12.25	170.	67.	67.	9.31
ROUTED TO	RT115B	539.	12.33	170.	67.	67.	9.31
HYDROGRAPH AT	1113	249.	12.17	60.	24.	24.	1.91
HYDROGRAPH AT	1116	104.	12.17	28.	13.	13.	.88
4 COMBINED AT	DP33	1112.	12.42	455.	185.	185.	21.18
ROUTED TO	RT117A	1059.	12.58	454.	184.	184.	21.18
ROUTED TO	RT117B	1038.	12.75	453.	182.	182.	21.18
ROUTED TO	RT117C	1016.	12.92	452.	181.	181.	21.18
ROUTED TO	RT117D	997.	13.08	450.	180.	180.	21.18
ROUTED TO	RT117E	983.	13.25	448.	178.	178.	21.18
HYDROGRAPH AT	1117	1378.	12.08	238.	78.	78.	3.88
2 COMBINED AT	DP37	1413.	12.08	646.	257.	257.	25.06
3 COMBINED AT	DP29	32844.	13.75	17930.	6245.	6245.	401.93
ROUTED TO	RT232A	32774.	13.75	17920.	6222.	6222.	401.93

ROUTED TO	RT232B	32713.	13.83	17910.	6199.	6199.	401.93
HYDROGRAPH AT	4010	860.	12.17	157.	53.	53.	1.44
ROUTED TO	RT183	841.	12.58	157.	52.	52.	1.44
HYDROGRAPH AT	4011	551.	12.08	98.	34.	34.	1.17
HYDROGRAPH AT	4012	687.	12.08	121.	41.	41.	1.55
3 COMBINED AT	DP97	1391.	12.50	375.	127.	127.	4.16
ROUTED TO	RT185	1362.	12.58	375.	126.	126.	4.16
HYDROGRAPH AT	4013	374.	12.00	58.	21.	21.	.83
HYDROGRAPH AT	4014	321.	12.00	47.	18.	18.	.53
3 COMBINED AT	DP98	1658.	12.17	479.	165.	165.	5.52
ROUTED TO	RT187	1657.	12.25	479.	165.	165.	5.52
HYDROGRAPH AT	4015	873.	12.00	128.	43.	43.	1.41
2 COMBINED AT	DP99	2182.	12.17	607.	208.	208.	6.93
HYDROGRAPH AT	4016	544.	12.00	75.	27.	27.	.53
HYDROGRAPH AT	1118	1010.	12.25	233.	77.	77.	4.15
4 COMBINED AT	DP30	33408.	13.83	18553.	6511.	6511.	413.54
ROUTED TO	RT234A	33328.	13.83	18544.	6489.	6489.	413.54
ROUTED TO	RT234B	33275.	13.92	18533.	6466.	6466.	413.54
HYDROGRAPH AT	4110	903.	12.33	210.	68.	68.	2.35
HYDROGRAPH AT	4210	563.	12.08	104.	36.	36.	1.25
3 COMBINED AT	DP31	33480.	13.92	18731.	6570.	6570.	417.14

SUMMARY OF KINEMATIC WAVE - MUSKINGUM-CUNGE ROUTING
(FLOW IS DIRECT RUNOFF WITHOUT BASE FLOW)

ISTAQ	ELEMENT	DT	PEAK	TIME TO PEAK	VOLUME	INTERPOLATED TO COMPUTATION INTERVAL			
						DT	PEAK	TIME TO PEAK	VOLUME
		(MIN)	(CFS)	(MIN)	(IN)	(MIN)	(CFS)	(MIN)	(IN)
RT163A	MANE	3.25	90.79	773.50	.29	5.00	90.68	775.00	.29
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3407E+02 EXCESS= .0000E+00 OUTFLOW= .3383E+02 BASIN STORAGE= .2482E+00 PERCENT ERROR= .0									
RT163B	MANE	3.00	90.62	783.00	.29	5.00	90.32	785.00	.29
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3384E+02 EXCESS= .0000E+00 OUTFLOW= .3360E+02 BASIN STORAGE= .2493E+00 PERCENT ERROR= .0									
RT163C	MANE	2.50	91.42	787.50	.29	5.00	89.47	795.00	.29
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3360E+02 EXCESS= .0000E+00 OUTFLOW= .3337E+02 BASIN STORAGE= .2514E+00 PERCENT ERROR= -.1									
RT163D	MANE	1.75	100.93	780.50	.29	5.00	89.67	800.00	.29
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3335E+02 EXCESS= .0000E+00 OUTFLOW= .3313E+02 BASIN STORAGE= .2556E+00 PERCENT ERROR= -.1									
RT163E	MANE	1.50	102.74	790.50	.29	5.00	92.45	795.00	.29
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3320E+02 EXCESS= .0000E+00 OUTFLOW= .3298E+02 BASIN STORAGE= .2634E+00 PERCENT ERROR= -.1									
RT163F	MANE	.50	116.67	811.00	.28	5.00	89.76	825.00	.28
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3320E+02 EXCESS= .0000E+00 OUTFLOW= .3271E+02 BASIN STORAGE= .5651E+00 PERCENT ERROR= -.2									
RT200A	MANE	2.18	956.69	763.76	.38	5.00	955.17	765.00	.38
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3036E+03 EXCESS= .0000E+00 OUTFLOW= .3030E+03 BASIN STORAGE= .6258E+00 PERCENT ERROR= .0									
RT200B	MANE	2.18	952.65	766.04	.38	5.00	952.47	765.00	.38
CONTINUITY SUMMARY (AC-FT) - INFLOW= .3030E+03 EXCESS= .0000E+00 OUTFLOW= .3024E+03 BASIN STORAGE= .6279E+00 PERCENT ERROR= .0									
RT202	MANE	3.75	1029.00	772.50	.39	5.00	1025.73	775.00	.39

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3313E+03 EXCESS= .0000E+00 OUTFLOW= .3285E+03 BASIN STORAGE= .3246E+01 PERCENT ERROR= -.1

RT153 MANE 2.75 117.37 770.00 .28 5.00 117.37 770.00 .28

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3759E+02 EXCESS= .0000E+00 OUTFLOW= .3681E+02 BASIN STORAGE= .8780E+00 PERCENT ERROR= -.3

RT155A MANE 3.50 203.22 773.50 .29 5.00 201.75 775.00 .29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6889E+02 EXCESS= .0000E+00 OUTFLOW= .6864E+02 BASIN STORAGE= .2572E+00 PERCENT ERROR= .0

RT155B MANE 3.25 202.42 776.75 .29 5.00 200.67 780.00 .29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6859E+02 EXCESS= .0000E+00 OUTFLOW= .6834E+02 BASIN STORAGE= .2584E+00 PERCENT ERROR= .0

RT155C MANE 3.25 201.29 783.25 .29 5.00 199.75 785.00 .29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6833E+02 EXCESS= .0000E+00 OUTFLOW= .6808E+02 BASIN STORAGE= .2599E+00 PERCENT ERROR= .0

RT155D MANE 3.25 199.66 786.50 .29 5.00 198.55 790.00 .29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6809E+02 EXCESS= .0000E+00 OUTFLOW= .6784E+02 BASIN STORAGE= .2622E+00 PERCENT ERROR= .0

RT155E MANE 3.25 198.49 793.00 .29 5.00 197.39 795.00 .29

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6784E+02 EXCESS= .0000E+00 OUTFLOW= .6759E+02 BASIN STORAGE= .2654E+00 PERCENT ERROR= .0

RT155F MANE 3.25 196.67 796.25 .28 5.00 195.87 800.00 .28

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6758E+02 EXCESS= .0000E+00 OUTFLOW= .6733E+02 BASIN STORAGE= .2697E+00 PERCENT ERROR= .0

RT157 MANE 2.75 61.14 772.75 .52 5.00 60.21 775.00 .52

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2190E+02 EXCESS= .0000E+00 OUTFLOW= .2162E+02 BASIN STORAGE= .3017E+00 PERCENT ERROR= -.1

RT159 MANE 3.25 265.06 776.75 .38 5.00 262.58 775.00 .38

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8018E+02 EXCESS= .0000E+00 OUTFLOW= .7931E+02 BASIN STORAGE= .9460E+00 PERCENT ERROR= -.1

RT161A MANE 5.00 19.19 1435.00 .01 5.00 19.19 1435.00 .01

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4623E+01 EXCESS= .0000E+00 OUTFLOW= .3556E+01 BASIN STORAGE= .1166E+01 PERCENT ERROR= -2.1

RT161B	MANE	5.00	17.98	1435.00	.00	5.00	17.98	1435.00	.00
--------	------	------	-------	---------	-----	------	-------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3556E+01 EXCESS= .0000E+00 OUTFLOW= .2529E+01 BASIN STORAGE= .1125E+01 PERCENT ERROR= -2.8

RT149A	MANE	3.00	333.54	759.00	.56	5.00	332.28	760.00	.56
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7617E+02 EXCESS= .0000E+00 OUTFLOW= .7571E+02 BASIN STORAGE= .5829E+00 PERCENT ERROR= -.2

RT149B	MANE	2.75	331.90	764.50	.55	5.00	331.42	765.00	.55
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7567E+02 EXCESS= .0000E+00 OUTFLOW= .7524E+02 BASIN STORAGE= .5835E+00 PERCENT ERROR= -.2

RT151	MANE	5.00	90.82	980.00	.33	5.00	90.82	980.00	.33
-------	------	------	-------	--------	-----	------	-------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8192E+02 EXCESS= .0000E+00 OUTFLOW= .8028E+02 BASIN STORAGE= .1815E+01 PERCENT ERROR= -.2

RT204	MANE	5.00	1299.77	780.00	.27	5.00	1299.77	780.00	.27
-------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5021E+03 EXCESS= .0000E+00 OUTFLOW= .4936E+03 BASIN STORAGE= .9147E+01 PERCENT ERROR= -.1

RT206	MANE	5.00	1729.12	775.00	.31	5.00	1729.12	775.00	.31
-------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6296E+03 EXCESS= .0000E+00 OUTFLOW= .6261E+03 BASIN STORAGE= .3899E+01 PERCENT ERROR= .0

RT208A	MANE	5.00	2312.08	785.00	.34	5.00	2312.08	785.00	.34
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7901E+03 EXCESS= .0000E+00 OUTFLOW= .7835E+03 BASIN STORAGE= .7392E+01 PERCENT ERROR= -.1

RT208B	MANE	5.00	2316.20	790.00	.34	5.00	2316.20	790.00	.34
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7835E+03 EXCESS= .0000E+00 OUTFLOW= .7770E+03 BASIN STORAGE= .7457E+01 PERCENT ERROR= -.1

RT143	MANE	3.25	474.95	757.25	.58	5.00	471.69	760.00	.58
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1179E+03 EXCESS= .0000E+00 OUTFLOW= .1175E+03 BASIN STORAGE= .4903E+00 PERCENT ERROR= -.1

RT145A	MANE	3.00	189.98	759.00	.52	5.00	188.95	760.00	.52
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4931E+02 EXCESS= .0000E+00 OUTFLOW= .4909E+02 BASIN STORAGE= .2827E+00 PERCENT ERROR= -.1

RT149B	MANE	3.25	188.92	760.50	.52	5.00	188.22	760.00	.52
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4908E+02 EXCESS= .0000E+00 OUTFLOW= .4884E+02 BASIN STORAGE= .2828E+00 PERCENT ERROR= -.1

RT145C	MANE	3.00	188.92	768.00	.51	5.00	187.44	770.00	.52
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4883E+02 EXCESS= .0000E+00 OUTFLOW= .4862E+02 BASIN STORAGE= .2832E+00 PERCENT ERROR= -.1

RT145D	MANE	2.75	190.26	772.75	.51	5.00	186.42	775.00	.51
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4864E+02 EXCESS= .0000E+00 OUTFLOW= .4841E+02 BASIN STORAGE= .2845E+00 PERCENT ERROR= -.1

RT147	MANE	3.75	909.51	765.00	.60	5.00	909.51	765.00	.60
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2421E+03 EXCESS= .0000E+00 OUTFLOW= .2414E+03 BASIN STORAGE= .9073E+00 PERCENT ERROR= -.1

RT210	MANE	5.00	3149.40	795.00	.39	5.00	3149.40	795.00	.39
-------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1097E+04 EXCESS= .0000E+00 OUTFLOW= .1092E+04 BASIN STORAGE= .6370E+01 PERCENT ERROR= -.1

RT135	MANE	3.25	275.24	760.50	.52	5.00	274.99	760.00	.52
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6976E+02 EXCESS= .0000E+00 OUTFLOW= .6948E+02 BASIN STORAGE= .3614E+00 PERCENT ERROR= -.1

RT137	MANE	5.00	271.73	800.00	.55	5.00	271.73	800.00	.55
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1053E+03 EXCESS= .0000E+00 OUTFLOW= .1036E+03 BASIN STORAGE= .2236E+01 PERCENT ERROR= -.5

RT139	MANE	3.25	324.51	767.00	.55	5.00	323.26	765.00	.55
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .7737E+02 EXCESS= .0000E+00 OUTFLOW= .7649E+02 BASIN STORAGE= .1231E+01 PERCENT ERROR= -.5

RT141	MANE	3.64	1014.88	768.00	.62	5.00	1011.45	765.00	.62
-------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3143E+03 EXCESS= .0000E+00 OUTFLOW= .3133E+03 BASIN STORAGE= .1196E+01 PERCENT ERROR= -.1

RT212A	MANE	5.00	4253.50	795.00	.45	5.00	4253.50	795.00	.45
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1543E+04 EXCESS= .0000E+00 OUTFLOW= .1536E+04 BASIN STORAGE= .7974E+01 PERCENT ERROR= -.1

RT212B	MANE	5.00	4244.74	800.00	.45	5.00	4244.74	800.00	.45
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1536E+04 EXCESS= .0000E+00 OUTFLOW= .1529E+04 BASIN STORAGE= .8074E+01 PERCENT ERROR= -.1

RT214A	MANE	4.10	4607.90	803.72	.47	5.00	4595.84	805.00	.47
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1714E+04 EXCESS= .0000E+00 OUTFLOW= .1708E+04 BASIN STORAGE= .6821E+01 PERCENT ERROR= .0

RT214B	MANE	4.11	4579.43	805.10	.47	5.00	4578.17	805.00	.47
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1710E+04 EXCESS= .0000E+00 OUTFLOW= .1704E+04 BASIN STORAGE= .6882E+01 PERCENT ERROR= .0

RT129A	MANE	5.00	39.08	1200.00	.25	5.00	39.08	1200.00	.25
--------	------	------	-------	---------	-----	------	-------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3099E+02 EXCESS= .0000E+00 OUTFLOW= .3019E+02 BASIN STORAGE= .8787E+00 PERCENT ERROR= -.3

RT129B	MANE	5.00	39.07	1210.00	.24	5.00	39.07	1210.00	.24
--------	------	------	-------	---------	-----	------	-------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3019E+02 EXCESS= .0000E+00 OUTFLOW= .2940E+02 BASIN STORAGE= .8850E+00 PERCENT ERROR= -.3

RT129C	MANE	5.00	39.07	1220.00	.23	5.00	39.07	1220.00	.23
--------	------	------	-------	---------	-----	------	-------	---------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2940E+02 EXCESS= .0000E+00 OUTFLOW= .2860E+02 BASIN STORAGE= .8913E+00 PERCENT ERROR= -.3

RT131	MANE	5.00	241.45	810.00	.64	5.00	241.45	810.00	.64
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1110E+03 EXCESS= .0000E+00 OUTFLOW= .1094E+03 BASIN STORAGE= .2029E+01 PERCENT ERROR= -.4

RT133A	MANE	3.70	1200.11	759.39	.55	5.00	1198.99	760.00	.55
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4107E+03 EXCESS= .0000E+00 OUTFLOW= .4091E+03 BASIN STORAGE= .1799E+01 PERCENT ERROR= -.1

RT133B	MANE	3.71	1196.36	763.28	.55	5.00	1191.50	765.00	.55
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4092E+03 EXCESS= .0000E+00 OUTFLOW= .4077E+03 BASIN STORAGE= .1806E+01 PERCENT ERROR= -.1

RT133C	MANE	3.71	1193.72	765.16	.55	5.00	1193.01	765.00	.55
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4076E+03 EXCESS= .0000E+00 OUTFLOW= .4061E+03 BASIN STORAGE= .1813E+01 PERCENT ERROR= -.1

RT133D	MANE	3.71	1190.89	768.50	.54	5.00	1188.17	770.00	.55
--------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4060E+03 EXCESS= .0000E+00 OUTFLOW= .4045E+03 BASIN STORAGE= .1821E+01 PERCENT ERROR= -.1

RT216	MANE	5.00	6294.53	790.00	.51	5.00	6294.53	790.00	.51
-------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2375E+04 EXCESS= .0000E+00 OUTFLOW= .2359E+04 BASIN STORAGE= .1736E+02 PERCENT ERROR= -.1

RT123	MANE	3.00	402.53	753.00	.73	5.00	400.85	750.00	.73
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8181E+02 EXCESS= .0000E+00 OUTFLOW= .8145E+02 BASIN STORAGE= .5501E+00 PERCENT ERROR= -.2

RT125	MANE	3.50	854.26	752.50	.79	5.00	845.29	750.00	.79
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1811E+03 EXCESS= .0000E+00 OUTFLOW= .1805E+03 BASIN STORAGE= .7665E+00 PERCENT ERROR= -.1

RT127	MANE	3.50	974.31	756.00	.81	5.00	965.64	760.00	.81
-------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2125E+03 EXCESS= .0000E+00 OUTFLOW= .2115E+03 BASIN STORAGE= .1487E+01 PERCENT ERROR= -.2

RT165A	MANE	4.50	500.15	756.00	1.03	5.00	499.10	755.00	1.04
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1002E+03 EXCESS= .0000E+00 OUTFLOW= .9991E+02 BASIN STORAGE= .5295E+00 PERCENT ERROR= -.2

RT165B	MANE	4.50	497.75	760.50	1.03	5.00	497.26	760.00	1.03
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9985E+02 EXCESS= .0000E+00 OUTFLOW= .9954E+02 BASIN STORAGE= .5301E+00 PERCENT ERROR= -.2

RT165C	MANE	4.75	497.30	764.75	1.03	5.00	496.79	765.00	1.03
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9972E+02 EXCESS= .0000E+00 OUTFLOW= .9941E+02 BASIN STORAGE= .5309E+00 PERCENT ERROR= -.2

RT165D	MANE	4.50	495.64	769.50	1.02	5.00	494.53	770.00	1.03
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9934E+02 EXCESS= .0000E+00 OUTFLOW= .9905E+02 BASIN STORAGE= .5332E+00 PERCENT ERROR= -.2

RT165E	MANE	4.50	495.54	769.50	1.02	5.00	495.42	770.00	1.03
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9913E+02 EXCESS= .0000E+00 OUTFLOW= .9884E+02 BASIN STORAGE= .5364E+00 PERCENT ERROR= -.3

RT165F MANE 4.25 493.23 773.50 1.02 5.00 493.01 775.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW= .9898E+02 EXCESS= .0000E+00 OUTFLOW= .9874E+02 BASIN STORAGE= .5402E+00 PERCENT ERROR= -.3

RT218 MANE 3.12 8133.04 787.02 .56 5.00 8129.55 790.00 .56

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2950E+04 EXCESS= .0000E+00 OUTFLOW= .2942E+04 BASIN STORAGE= .8968E+01 PERCENT ERROR= .0

RT220 MANE 4.55 8394.81 786.29 .56 5.00 8391.50 785.00 .56

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3045E+04 EXCESS= .0000E+00 OUTFLOW= .3032E+04 BASIN STORAGE= .1350E+02 PERCENT ERROR= .0

RT167 MANE 3.75 416.95 753.75 .88 5.00 416.82 755.00 .88

CONTINUITY SUMMARY (AC-FT) - INFLOW= .8122E+02 EXCESS= .0000E+00 OUTFLOW= .8060E+02 BASIN STORAGE= .8930E+00 PERCENT ERROR= -.3

RT169A MANE 4.50 1148.02 756.00 .97 5.00 1146.76 755.00 .97

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2280E+03 EXCESS= .0000E+00 OUTFLOW= .2273E+03 BASIN STORAGE= .1004E+01 PERCENT ERROR= -.1

RT169B MANE 4.50 1138.94 760.50 .97 5.00 1138.74 760.00 .97

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2272E+03 EXCESS= .0000E+00 OUTFLOW= .2265E+03 BASIN STORAGE= .1005E+01 PERCENT ERROR= -.1

RT169C MANE 4.50 1134.35 760.50 .96 5.00 1132.02 765.00 .96

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2264E+03 EXCESS= .0000E+00 OUTFLOW= .2257E+03 BASIN STORAGE= .1007E+01 PERCENT ERROR= -.1

RT171A MANE 1.42 1906.02 761.34 1.02 5.00 1900.82 760.00 1.03

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3920E+03 EXCESS= .0000E+00 OUTFLOW= .3915E+03 BASIN STORAGE= .5332E+00 PERCENT ERROR= .0

RT171B MANE 3.58 1894.05 762.60 1.02 5.00 1885.95 765.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3915E+03 EXCESS= .0000E+00 OUTFLOW= .3905E+03 BASIN STORAGE= .1342E+01 PERCENT ERROR= -.1

RT171C MANE 3.59 1884.37 764.97 1.02 5.00 1884.35 765.00 1.02

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3906E+03 EXCESS= .0000E+00 OUTFLOW= .3896E+03 BASIN STORAGE= .1346E+01 PERCENT ERROR= -.1

RT173A	MANE	3.24	2562.78	768.19	1.08	5.00	2553.75	765.00	1.08
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5337E+03 EXCESS= .0000E+00 OUTFLOW= .5324E+03 BASIN STORAGE= .1678E+01 PERCENT ERROR= -.1

RT173B	MANE	3.25	2541.03	767.27	1.08	5.00	2540.69	770.00	1.08
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5327E+03 EXCESS= .0000E+00 OUTFLOW= .5313E+03 BASIN STORAGE= .1685E+01 PERCENT ERROR= -.1

RT173C	MANE	3.26	2531.58	772.09	1.08	5.00	2518.71	770.00	1.08
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5312E+03 EXCESS= .0000E+00 OUTFLOW= .5299E+03 BASIN STORAGE= .1695E+01 PERCENT ERROR= -.1

RT173D	MANE	3.27	2512.19	774.74	1.07	5.00	2511.06	775.00	1.07
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5296E+03 EXCESS= .0000E+00 OUTFLOW= .5283E+03 BASIN STORAGE= .1712E+01 PERCENT ERROR= -.1

RT173E	MANE	3.27	2497.10	778.95	1.07	5.00	2485.25	780.00	1.07
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .5286E+03 EXCESS= .0000E+00 OUTFLOW= .5273E+03 BASIN STORAGE= .1728E+01 PERCENT ERROR= -.1

RT222	MANE	5.00	11776.23	785.00	.62	5.00	11776.23	785.00	.62
-------	------	------	----------	--------	-----	------	----------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3828E+04 EXCESS= .0000E+00 OUTFLOW= .3808E+04 BASIN STORAGE= .2574E+02 PERCENT ERROR= -.1

RT224	MANE	3.16	12068.99	787.25	.63	5.00	12046.24	785.00	.63
-------	------	------	----------	--------	-----	------	----------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3938E+04 EXCESS= .0000E+00 OUTFLOW= .3926E+04 BASIN STORAGE= .1235E+02 PERCENT ERROR= .0

RT175A	MANE	5.00	235.92	750.00	1.77	5.00	235.92	750.00	1.77
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4744E+02 EXCESS= .0000E+00 OUTFLOW= .4727E+02 BASIN STORAGE= .2180E+00 PERCENT ERROR= -.1

RT175B	MANE	5.00	236.10	760.00	1.76	5.00	236.10	760.00	1.76
--------	------	------	--------	--------	------	------	--------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4727E+02 EXCESS= .0000E+00 OUTFLOW= .4710E+02 BASIN STORAGE= .2186E+00 PERCENT ERROR= -.1

RT226	MANE	4.68	12420.43	790.79	.64	5.00	12406.90	790.00	.64
-------	------	------	----------	--------	-----	------	----------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4073E+04 EXCESS= .0000E+00 OUTFLOW= .4055E+04 BASIN STORAGE= .1886E+02 PERCENT ERROR= .0

RT228	MANE	3.17	30428.61	820.13	.58	5.00	30426.62	820.00	.58
-------	------	------	----------	--------	-----	------	----------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1103E+05 EXCESS= .0000E+00 OUTFLOW= .1101E+05 BASIN STORAGE= .2822E+02 PERCENT ERROR= .0

RT119A	MANE	1.50	633.37	739.50	.38	5.00	632.88	740.00	.38
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1402E+03 EXCESS= .0000E+00 OUTFLOW= .1391E+03 BASIN STORAGE= .1075E+01 PERCENT ERROR= .0

RT119B	MANE	1.25	627.47	748.75	.38	5.00	624.16	750.00	.38
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1391E+03 EXCESS= .0000E+00 OUTFLOW= .1381E+03 BASIN STORAGE= .1072E+01 PERCENT ERROR= .0

RT119C	MANE	1.00	622.67	755.00	.37	5.00	622.67	755.00	.38
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1384E+03 EXCESS= .0000E+00 OUTFLOW= .1374E+03 BASIN STORAGE= .1070E+01 PERCENT ERROR= .0

RT119D	MANE	.75	618.28	764.25	.37	5.00	617.17	765.00	.37
--------	------	-----	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1376E+03 EXCESS= .0000E+00 OUTFLOW= .1366E+03 BASIN STORAGE= .1067E+01 PERCENT ERROR= .0

RT119E	MANE	.75	612.18	773.25	.37	5.00	606.98	775.00	.37
--------	------	-----	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1368E+03 EXCESS= .0000E+00 OUTFLOW= .1357E+03 BASIN STORAGE= .1064E+01 PERCENT ERROR= .0

RT121	MANE	2.75	1133.17	731.50	.51	5.00	1119.65	735.00	.52
-------	------	------	---------	--------	-----	------	---------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2970E+03 EXCESS= .0000E+00 OUTFLOW= .2959E+03 BASIN STORAGE= .1125E+01 PERCENT ERROR= .0

RT230A	MANE	3.37	30917.26	821.50	.57	5.00	30889.04	825.00	.57
--------	------	------	----------	--------	-----	------	----------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1133E+05 EXCESS= .0000E+00 OUTFLOW= .1131E+05 BASIN STORAGE= .3072E+02 PERCENT ERROR= -.1

RT230B	MANE	3.37	30875.45	825.39	.57	5.00	30869.39	825.00	.57
--------	------	------	----------	--------	-----	------	----------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1129E+05 EXCESS= .0000E+00 OUTFLOW= .1127E+05 BASIN STORAGE= .3093E+02 PERCENT ERROR= -.1

RT177A	MANE	5.00	534.14	735.00	.98	5.00	534.14	735.00	.98
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6690E+02 EXCESS= .0000E+00 OUTFLOW= .6650E+02 BASIN STORAGE= .4802E+00 PERCENT ERROR= -.1

RT177B	MANE	5.00	537.26	745.00	.98	5.00	537.26	745.00	.98
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6650E+02 EXCESS= .0000E+00 OUTFLOW= .6612E+02 BASIN STORAGE= .4794E+00 PERCENT ERROR= -.2

RT179	MANE	5.00	1465.87	750.00	1.22	5.00	1465.87	750.00	1.22
-------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2434E+03 EXCESS= .0000E+00 OUTFLOW= .2406E+03 BASIN STORAGE= .2420E+01 PERCENT ERROR= .1

RT181A	MANE	5.00	2184.70	755.00	1.17	5.00	2184.70	755.00	1.17
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3943E+03 EXCESS= .0000E+00 OUTFLOW= .3910E+03 BASIN STORAGE= .2845E+01 PERCENT ERROR= .1

RT181B	MANE	5.00	2089.06	765.00	1.16	5.00	2089.06	765.00	1.16
--------	------	------	---------	--------	------	------	---------	--------	------

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3910E+03 EXCESS= .0000E+00 OUTFLOW= .3877E+03 BASIN STORAGE= .2867E+01 PERCENT ERROR= .1

RT111A	MANE	1.00	460.66	727.00	.39	5.00	438.61	725.00	.39
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6402E+02 EXCESS= .0000E+00 OUTFLOW= .6365E+02 BASIN STORAGE= .3988E+00 PERCENT ERROR= .0

RT111B	MANE	.75	442.32	732.75	.39	5.00	425.80	735.00	.38
--------	------	-----	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6355E+02 EXCESS= .0000E+00 OUTFLOW= .6321E+02 BASIN STORAGE= .3983E+00 PERCENT ERROR= -.1

RT111C	MANE	.75	465.54	736.50	.38	5.00	416.43	740.00	.38
--------	------	-----	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6259E+02 EXCESS= .0000E+00 OUTFLOW= .6226E+02 BASIN STORAGE= .3975E+00 PERCENT ERROR= -.1

RT111D	MANE	.50	424.09	747.00	.37	5.00	386.65	750.00	.38
--------	------	-----	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6141E+02 EXCESS= .0000E+00 OUTFLOW= .6105E+02 BASIN STORAGE= .3966E+00 PERCENT ERROR= .0

RT111E	MANE	.75	393.64	756.00	.37	5.00	357.68	755.00	.37
--------	------	-----	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .6173E+02 EXCESS= .0000E+00 OUTFLOW= .6139E+02 BASIN STORAGE= .3955E+00 PERCENT ERROR= -.1

RT113A	MANE	1.75	627.04	761.25	.34	5.00	579.72	760.00	.34
--------	------	------	--------	--------	-----	------	--------	--------	-----

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1652E+03 EXCESS= .0000E+00 OUTFLOW= .1645E+03 BASIN STORAGE= .7478E+00 PERCENT ERROR= .0

RT113B MANE 1.50 589.56 766.50 .34 5.00 568.88 770.00 .34

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1644E+03 EXCESS= .0000E+00 OUTFLOW= .1637E+03 BASIN STORAGE= .7469E+00 PERCENT ERROR= .0

RT113C MANE 1.50 575.86 771.00 .34 5.00 560.26 775.00 .34

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1637E+03 EXCESS= .0000E+00 OUTFLOW= .1630E+03 BASIN STORAGE= .7456E+00 PERCENT ERROR= .0

RT113D MANE 1.25 558.46 777.50 .33 5.00 552.98 780.00 .33

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1630E+03 EXCESS= .0000E+00 OUTFLOW= .1622E+03 BASIN STORAGE= .7445E+00 PERCENT ERROR= .0

RT115A MANE 1.50 543.99 733.50 .27 5.00 542.55 735.00 .27

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1337E+03 EXCESS= .0000E+00 OUTFLOW= .1330E+03 BASIN STORAGE= .7118E+00 PERCENT ERROR= .0

RT115B MANE 1.25 538.66 740.00 .27 5.00 538.66 740.00 .27

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1330E+03 EXCESS= .0000E+00 OUTFLOW= .1323E+03 BASIN STORAGE= .7110E+00 PERCENT ERROR= .0

RT117A MANE 2.25 1072.03 756.00 .32 5.00 1058.89 755.00 .32

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3660E+03 EXCESS= .0000E+00 OUTFLOW= .3633E+03 BASIN STORAGE= .2674E+01 PERCENT ERROR= .0

RT117B MANE 2.50 1040.12 767.50 .32 5.00 1038.10 765.00 .32

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3637E+03 EXCESS= .0000E+00 OUTFLOW= .3610E+03 BASIN STORAGE= .2668E+01 PERCENT ERROR= .0

RT117C MANE 3.00 1017.31 777.00 .32 5.00 1016.45 775.00 .32

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3609E+03 EXCESS= .0000E+00 OUTFLOW= .3581E+03 BASIN STORAGE= .2666E+01 PERCENT ERROR= .0

RT117D MANE 2.75 997.40 783.75 .31 5.00 997.10 785.00 .31

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3578E+03 EXCESS= .0000E+00 OUTFLOW= .3550E+03 BASIN STORAGE= .2688E+01 PERCENT ERROR= .0

RT117E MANE 2.50 982.57 795.00 .31 5.00 982.57 795.00 .31

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3555E+03 EXCESS= .0000E+00 OUTFLOW= .3526E+03 BASIN STORAGE= .2748E+01 PERCENT ERROR= .0

RT232A MANE 4.52 32804.44 827.11 .57 5.00 32774.03 825.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1234E+05 EXCESS= .0000E+00 OUTFLOW= .1230E+05 BASIN STORAGE= .4432E+02 PERCENT ERROR= .0

RT232B MANE 4.52 32717.24 832.06 .57 5.00 32713.01 830.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1230E+05 EXCESS= .0000E+00 OUTFLOW= .1226E+05 BASIN STORAGE= .4464E+02 PERCENT ERROR= .0

RT183 MANE 5.00 841.14 755.00 1.33 5.00 841.14 755.00 1.33

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1039E+03 EXCESS= .0000E+00 OUTFLOW= .1025E+03 BASIN STORAGE= .1645E+01 PERCENT ERROR= -.2

RT185 MANE 5.00 1361.59 755.00 1.12 5.00 1361.59 755.00 1.12

CONTINUITY SUMMARY (AC-FT) - INFLOW= .2503E+03 EXCESS= .0000E+00 OUTFLOW= .2492E+03 BASIN STORAGE= .1207E+01 PERCENT ERROR= .0

RT187 MANE 5.00 1656.76 735.00 1.11 5.00 1656.76 735.00 1.11

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3272E+03 EXCESS= .0000E+00 OUTFLOW= .3264E+03 BASIN STORAGE= .9456E+00 PERCENT ERROR= .0

RT234A MANE 4.55 33350.43 831.77 .58 5.00 33328.16 830.00 .58

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1286E+05 EXCESS= .0000E+00 OUTFLOW= .1282E+05 BASIN STORAGE= .4627E+02 PERCENT ERROR= .0

RT234B MANE 4.55 33276.24 836.81 .58 5.00 33274.87 835.00 .58

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1283E+05 EXCESS= .0000E+00 OUTFLOW= .1278E+05 BASIN STORAGE= .4661E+02 PERCENT ERROR= .0

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

NORMAL END OF HEC-1

**HEC-1 INPUT
10-YEAR EXISTING LAND USE CONDITIONS**

EXISTING 10-YEAR

CETL10.HCI

HEC-1 INPUT

ID FOUNTAIN CREEK DRAINAGE BASIN PLANNING STUDY
ID MULLER ENGINEERING CO. 29APRIL92 (DPR)
ID FOUNTAIN CREEK U/S OF THE CONFLUENCE Q10
ID HEC-1 MODEL FOR COMBINED BASIN HYDROLOGY
ID EXISTING LAND USE

*DIAGRAM

IT 5 288

IO 0

KK 2510

KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2510

BA 2.16

BF 5

PB 1.23

PC.00083	.00166	.00249	.00332	.00415	.00500	.00583	.00667	.00749	.00832
PC.00915	.01000	.01083	.01166	.01249	.01332	.01415	.01498	.01581	.01664
PC.01747	.01830	.01913	.02000	.02125	.02250	.02375	.02500	.02625	.02750
PC.02875	.03000	.03125	.03250	.03375	.03500	.03625	.03750	.03875	.04000
PC.04125	.04250	.04375	.04500	.04625	.04750	.04875	.05000	.05125	.05250
PC.05375	.05500	.05625	.05750	.05875	.06000	.06125	.06250	.06375	.06500
PC.06625	.06750	.06875	.07000	.07125	.07250	.07417	.07583	.07750	.07917
PC.08084	.08250	.08417	.08584	.08750	.08917	.09084	.09250	.09417	.09584
PC.09751	.09917	.10084	.10251	.10417	.10584	.10751	.10917	.11084	.11251
PC.11418	.11584	.11751	.11918	.12084	.12251	.12451	.12651	.12851	.13051
PC.13251	.13451	.13751	.14051	.14351	.14651	.14951	.15251	.15551	.15851
PC.16151	.16451	.16751	.17051	.17381	.17711	.18041	.18371	.18701	.19031
PC.19448	.19864	.20281	.20698	.21115	.21531	.21948	.22365	.22781	.23198
PC.23615	.24000	.24031	.25000	.25700	.26500	.27900	.29500	.31500	.36000
PC.41200	.51000	.62500	.67000	.69000	.70000	.71000	.72000	.73000	.73800
PC.74500	.75200	.76000	.76500	.77000	.77500	.77568	.78068	.78568	.79068
PC.79568	.80068	.80398	.80728	.81058	.81388	.81718	.82048	.82378	.82708
PC.83038	.83368	.83698	.84028	.84278	.84528	.84778	.85028	.85278	.85528
PC.85778	.86028	.86228	.86428	.86628	.86828	.86988	.87148	.87308	.87468
PC.87628	.87788	.87948	.88108	.88268	.88428	.88588	.88748	.88908	.89068
PC.89228	.89388	.89548	.89708	.89868	.90028	.90188	.90348	.90508	.90668
PC.90828	.90988	.91148	.91308	.91468	.91628	.91788	.91948	.92108	.92268
PC.92428	.92588	.92748	.92908	.93068	.93228	.93388	.93548	.93708	.93868
PC.94028	.94188	.94348	.94508	.94628	.94748	.94868	.94988	.95108	.95228
PC.95348	.95468	.95588	.95708	.95828	.95948	.96018	.96088	.96158	.96228
PC.96928	.97008	.97088	.97168	.97251	.97334	.97418	.97501	.97584	.97668
PC.97751	.97834	.97918	.98001	.98084	.98167	.98251	.98334	.98417	.98501
PC.98584	.98667	.98751	.98834	.98917	.99000	.99084	.99167	.99250	.99334
PC.99417	.99500	.99584	.99667	.99750	.99833	.99917	1.0000		

LS 0 74

UD 0.78

KKRT163A

KM ROUTING OF CRC 2510 TO DP 10

RD 3036 0.0564 0.16 TRAP 10

KKRT163B

KM ROUTING OF CRC 2510 TO DP 10

RD 3036 0.0564 0.16 TRAP 10

KKRT163C

KM ROUTING OF CRC 2510 TO DP 10

RD 3036 0.0564 0.16 TRAP 10

KKRT163D

KM ROUTING OF CRC 2510 TO DP 10

RD 3036 0.0564 0.16 TRAP 10

KKRT163E

KM ROUTING OF CRC 2510 TO DP 10

RD 3036 0.0564 0.16 TRAP 10

KKRT163F

KM ROUTING OF CRC 2510 TO DP 10
 RD 6072 0.0564 0.16 TRAP 10
 KK 2511
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2511
 BA 3.76
 BF 5
 PB 1.57
 LS 0 72
 UD 0.78
 KK 2512
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2512
 BA 5.62
 BF 5
 PB 1.57
 LS 0 72
 UD 0.78
 KK 2513
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2513
 BA 1.88
 BF 5
 PB 1.57
 LS 0 70
 UD 0.71
 KK 2610
 KM RUNOFF CALCULATION FOR SUB-BASIN TG 2610
 BA 1.41
 BF 5
 PB 1.86
 LS 0 66
 UD 0.68
 KK DP10
 KM COMBINE RUNOFF FROM CRC 2511, 2512, 2513, RT 163 & TG 2610
 KO 21
 HC 5
 KKRT200A
 KM ROUTING OF DP 10 TO DP 11
 RD 1104 0.0360 0.160 TRAP 20
 KKRT200B
 KM ROUTING OF DP 10 TO DP 11
 RD 1104 0.0360 0.160 TRAP 20
 KK 2611
 KM RUNOFF CALCULATION FOR SUB-BASIN TG 2611
 BA 1.02
 BF 5
 PB 1.88
 LS 0 66
 UD 0.59
 KK DP11
 KM COMBINE RUNOFF FROM RT 200 & TG 2611
 KO 21
 HC 2
 KK RT202
 KM ROUTING OF DP 11 TO DP 13
 RD 4708 0.0212 0.160 TRAP 20
 KK 2410
 KM RUNOFF CALCULATION FROM SUB-BASIN CTC 2410
 BA 2.46
 BF 5
 PB 1.23
 LS 0 74

UD 0.62
 KK RT153
 KM ROUTING OF CTC 2410 TO DP 73
 RD 7083 0.0225 0.17 TRAP 10
 KK 2411
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2411
 BA 1.97
 BF 30
 PB 1.23
 LS 0 74
 UD 0.75
 KK DP73
 KM COMBINE RT 153 & CTC 2411
 HC 2
 KKRT155A
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155B
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155C
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155D
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155E
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KKRT155F
 KM ROUTING OF DP 73 TO DP 75
 RD 1702 0.0313 0.16 TRAP 10
 KK 2412
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2412
 BA 1.82
 BF 30
 PB 1.36
 LS 0 74
 UD 0.83
 KK DP75
 KM COMBINE RUNOFF FROM RT 155 & CTC 2412
 HC 2
 KK NCAT
 KM ROUTE FLOWS THROUGH NORTH CATAMOUNT RESERVOIR
 RS 1 STOR 11760
 SV 11760 11925 12031 12161 12291 12421
 SE 9339 9339.5 9340 9341 9342 9243
 SQ 0 0 0 442 1335 2593
 SS 9340 40 3.6 1.5
 KK 2413
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2413
 BA 0.78
 BF 5
 PB 1.36
 LS 0 74
 UD 0.60
 KK RT157
 KM ROUTING OF CTC 2413 TO DP 79
 RD 5750 0.0278 0.17 TRAP 10
 KK 2414

KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2414
 BA 3.17
 BF 30
 PB 1.36
 LS 0 74
 UD 0.71
 KK DP79
 KM COMBINE RT 157 & CTC 2414
 HC 2
 KK RT159
 KM ROUTING OF DP 79 TO DP 81
 RD 5417 0.0295 0.17 TRAP 10
 KK 2415
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2415
 BA 1.67
 BF 30
 PB 1.57
 LS 0 70
 UD 0.68
 KK DP81
 KM COMBINE RUNOFF FROM RT 159 & CTC 2415
 HC 2
 KK SCAT
 KM ROUTE FLOWS THROUGH SOUTH CATAMOUNT RESERVOIR
 RS 1 STOR 2511
 SV 2420 2511 2604 2714 2824 2934 3044 3154
 SE 9333 9334 9335 9336 9337 9338 9339 9340
 SQ 0 0 0 124 349 642 988 1214
 SS 9335 40 3.5 1.5
 KK DP77
 KM COMBINE FLOWS FROM NORTH AND SOUTH CATAMOUNT RESERVOIRS
 HC 2
 KKRT161A
 KM ROUTING OF DP 77 TO DP 83
 RD 6458 0.1114 0.17 TRAP 10
 KKRT161B
 KM ROUTING OF DP 77 TO DP 83
 RD 6458 0.1114 0.17 TRAP 10
 KK 2416
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2416
 BA 1.68
 BF 5
 PB 1.80
 LS 0 70
 UD 0.68
 KK DP83
 KM COMBINE FLOWS FROM RT 161 & CTC 2416
 HC 2
 KK 2417
 KM RUNOFF CALCULATION FOR SUB-BASIN CTC 2417
 BA 0.24
 BF 5
 PB 1.83
 LS 0 70
 UD 0.54
 KK 2310
 KM RUNOFF CALCULATION FROM SUB-BASIN CLC 2310
 BA 2.55
 BF 30
 PB 1.77

LS 0 72
 UD 0.65
 KKRT149A
 KM ROUTING OF CLC 2310 TO DP 69
 RD 2917 0.0274 0.17 TRAP 10
 KKRT149B
 KM ROUTING OF CLC 2310 TO DP 69
 RD 2917 0.0274 0.17 TRAP 10
 KK 2311
 KM RUNOFF CALCULATION FOR SUB-BASIN CLC 2311
 BA 1.94
 BF 30
 PB 1.83
 LS 0 70
 UD 0.66
 KK DP69
 KM COMBINE RT 149 & CLC 2311
 HC 2
 KK CCR
 KM ROUTE FLOWS THROUGH CRYSTAL CREEK RESERVOIR
 RS 1 STOR 3479
 SV 3479 3542 3605 3668 3731 3794 3857
 SE 9230 9231 9232 9233 9234 9235 9236
 SQ 0 93 262 481 741 1035 1361
 SS 9231 30 3.5 1.5
 KK RT151
 KM ROUTING OF CRYSTAL CREEK RESERVOIR FLOW TO DP 71
 RD 5833 0.2605 0.17 TRAP 10
 KK 2312
 KM RUNOFF CALCULATION FOR SUB-BASIN CLC 2312
 BA 0.56
 BF 5
 PB 1.83
 LS 0 72
 UD 0.55
 KK DP71
 KM COMBINE RUNOFF FROM RT 151 & CLC 2312
 HC 2
 KK DP13
 KM COMBINE FLOWS FROM RT 202, DP 83, DP 71 & CTC 2417
 KO 21
 HC 4
 KK RT204
 KM ROUTING OF DP 13 TO DP 14
 RD 7000 0.0214 0.170 TRAP 25
 KK 2710
 KM RUNOFF CALCULATION FOR SUB-BASIN LG 2710
 BA 2.55
 BF 5
 PB 1.94
 LS 0 72
 UD 0.68
 KK 2810
 KM RUNOFF CALCULATION FOR SUB-BASIN SG 2810
 BA 1.11
 BF 5
 PB 2.00
 LS 0 70
 UD 0.62
 KK DP14

KM COMBINE FLOWS FROM RT 204, LG 2710 & SG 2810
 KO 21
 HC 3
 KK RT206
 KM ROUTING OF DP 14 TO DP 15
 RD 2583 0.0155 0.160 TRAP 25
 KK 2910
 KM RUNOFF CALCULATION FOR SUB-BASIN WG 2910
 BA 1.78
 BF 5
 PB 2.05
 LS 0 70
 UD 0.64
 KK 2210
 KM RUNOFF CALCULATION FOR SUB-BASIN CP 2210
 BA 2.51
 BF 5
 PB 2.00
 LS 0 72
 UD 0.80
 KK DP15
 KM COMBINE FLOWS FROM RT 206, WG 2910 & CP 2210
 KO 21
 HC 3
 KKRT208A
 KM ROUTING OF DP 15 TO DP 16
 RD 4542 0.0176 0.165 TRAP 25
 KKRT208B
 KM ROUTING OF DP 15 TO DP 16
 RD 4542 0.0176 0.165 TRAP 25
 KK 2110
 KM RUNOFF CALCULATION FROM SUB-BASIN SVC 2110
 BA 1.90
 BF 5
 PB 1.88
 LS 0 70
 UD 0.68
 KK 2111
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2111
 BA 1.91
 BF 5
 PB 1.88
 LS 0 70
 UD 0.66
 KK DP63
 KM COMBINE RT SVC 2110 & 2111
 HC 2
 KK RT143
 KM ROUTING OF DP 63 TO DP 65
 RD 2917 0.0959 0.170 TRAP 10
 KK 2112
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2112
 BA 0.37
 BF 5
 PB 2.00
 LS 0 70
 UD 0.60
 KK 2113
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2113
 BA 1.77

BF 5
 PB 1.77
 LS 0 70
 UD 0.64
 KKRT145A
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KKRT145B
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KKRT145C
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KKRT145D
 KM ROUTING OF SVC 2113 TO DP 65
 RD 2657 0.0677 0.170 TRAP 10
 KK 2114
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2114
 BA 1.61
 BF 5
 PB 1.94
 LS 0 70
 UD 0.67
 KK DP65
 KM COMBINE SVC 2112, SVC 2114, RT 143 & RT 145
 HC 4
 KK RT147
 KM ROUTING OF DP 65 TO DP 67
 RD 4792 0.2170 0.170 TRAP 10
 KK 2115
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2115
 BA 0.65
 BF 5
 PB 2.05
 LS 0 72
 UD 0.53
 KK DP67
 KM COMBINE RT 147 & SVC 2115
 HC 2
 KK 3010
 KM RUNOFF CALCULATION FOR SUB-BASIN CB 3010
 BA 0.88
 BF 5
 PB 2.09
 LS 0 72
 UD 0.52
 KK DP16
 KM COMBINE RT 208, CB 3010 & DP 67
 KO 21
 HC 3
 KK RT210
 KM ROUTING OF DP 16 TO DP 17
 RD 3875 0.0258 0.165 TRAP 25
 KK 2010
 KM RUNOFF CALCULATION FROM SUB-BASIN FC 2010
 BA 2.50
 BF 30
 PB 1.83
 LS 0 70
 UD 0.70

KK RT135
 KM ROUTING OF FC 2010 TO DP 57
 RD 2083 0.0384 0.170 TRAP 10
 KK 2011
 KM RUNOFF CALCULATION FOR SUB-BASIN FC 2011
 BA 1.00
 BF 30
 PB 1.94
 LS 0 70
 UD 0.58
 KK DP57
 KM COMBINE RT 135 & FC 2011
 HC 2
 KK MTR
 KM ROUTE FLOWS THROUGH MANITOU RESERVOIR

RS	1	STOR	700							
SV	475	700	730	760	790	820	850	880	910	940
SE	8985	9000	9001	9002	9003	9004	9005	9006	9007	9008
SQ	0	0	500	1000	1900	2500	3300	4500	6000	7500
SS	9000	100	3.5	1.5						

 KK RT137
 KM ROUTING OF MANITOU RESERVOIR TO DP 59
 RD 6875 0.0669 0.170 TRAP 10
 KK 2012
 KM RUNOFF CALCULATION FOR SUB-BASIN FC 2012
 BA 1.20
 BF 5
 PB 2.00
 LS 0 70
 UD 0.70
 KK 2013
 KM RUNOFF CALCULATION FOR SUB-BASIN FC 2013
 BA 2.62
 BF 5
 PB 1.88
 LS 0 70
 UD 0.67
 KK RT139
 KM ROUTING OF FC 2013 TO DP 59
 RD 9375 0.1258 0.17 TRAP 10
 KK 2014
 KM RUNOFF CALCULATION FOR SUB-BASIN FC 2014
 BA 2.12
 BF 5
 PB 2.05
 LS 0 70
 UD 0.62
 KK DP59
 KM COMBINE RUNOFF FROM RT 155, RT 139, FC 2012 & FC 2014
 HC 4
 KK RT141
 KM ROUTING OF DP 59 TO DP 61
 RD 4166 0.2300 0.17 TRAP 10
 KK 2015
 KM RUNOFF CALCULATION FOR SUB-BASIN FC 2015
 BA 0.93
 BF 5
 PB 2.09
 LS 0 70
 UD 0.54

KK DP61
 KM COMBINE RT 141 & FC 2015
 HC 2
 KK 3011
 KM RUNOFF CALCULATION FOR SUB-BASIN CB 3011
 BA 1.95
 BF 5
 PB 2.15
 LS 0 72
 UD 0.59
 KK DP17
 KM COMBINE RT 210, CB 3011 & DP 61
 KO 21
 HC 3
 KKRT212A
 KM ROUTING OF DP 17 TO DP 18
 RD 4646 0.0430 0.165 TRAP 25
 KKRT212B
 KM ROUTING OF DP 17 TO DP 18
 RD 4646 0.0430 0.165 TRAP 25
 KK 3012
 KM RUNOFF CALCULATION FOR SUB-BASIN CB 3012
 BA 0.56
 BF 5
 PB 2.21
 LS 0 70
 UD 0.47
 KK 3110
 KM RUNOFF CALCULATION FOR SUB-BASIN WLC 3110
 BA 1.78
 BF 5
 PB 2.28
 LS 0 70
 UD 0.66
 KK 1910
 KM RUNOFF CALCULATION FOR SUB-BASIN IT 1910
 BA 1.50
 BF 5
 PB 2.15
 LS 0 72
 UD 0.59
 KK DP18
 KM COMBINE RT 212, CB 3012, WLC 3110 & IT 1910
 KO 21
 HC 4
 KKRT214A
 KM ROUTING OF DP 18 TO DP 21
 RD 3896 0.0513 0.165 TRAP 25
 KKRT214B
 KM ROUTING OF DP 18 TO DP 21
 RD 3896 0.0513 0.165 TRAP 25
 KK 3111
 KM RUNOFF CALCULATION FOR SUB-BASIN WLC 3111
 BA 0.43
 BF 30
 PB 2.28
 LS 0 72
 UD 0.58
 KK 1911
 KM RUNOFF CALCULATION FOR SUB-BASIN IT 1911

BA 1.30
 BF 5
 PB 2.15
 LS 0 72
 UD 0.61
 KK 1713
 KM RUNOFF CALCULATION FROM SUB-BASIN EC 1713
 BA 2.30
 BF 30
 PB 1.90
 LS 0 70
 UD 0.64
 KK LKM
 KM ROUTE FLOWS THROUGH LAKE MORaine
 RS 1 STOR 1300
 SV 1300 1324 1366 1408 1451.5
 SE 10221 10222 10222.5 10223 10223.5
 SS 10222 100 3.5 1.5
 KKRT129A
 KM ROUTING FLOW FROM LAKE MORaine TO DP 51
 RD 3556 0.1124 0.17 TRAP 10
 KKRT129B
 KM ROUTING FLOW FROM LAKE MORaine TO DP 51
 RD 3556 0.1124 0.17 TRAP 10
 KKRT129C
 KM ROUTING FLOW FROM LAKE MORaine TO DP 51
 RD 3556 0.1124 0.17 TRAP 10
 KK 1714
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1714
 BA 2.20
 BF 30
 PB 2.00
 LS 0 70
 UD 0.67
 KK 1715
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1715
 BA 1.00
 BF 30
 PB 2.05
 LS 0 70
 UD 0.62
 KK DP53
 KM COMBINE EC 1714 & EC 1715
 HC 2
 KK BTR
 KM ROUTE FLOWS THROUGH BIG TOOTH RESERVOIR
 RS 1 STOR 220
 SV 220 237 254 271 288 305 322 339 356
 SE 9330 9331 9332 9333 9334 9335 9336 9337 9338
 SQ 0 105 297 546 840 1174 1543 1945 2376
 SS 9330 30 3.5 1.5
 KK RT131
 KM ROUTING FLOW FROM BIG TOOTH RESERVOIR TO DP 51
 RD 5208 0.0537 0.17 TRAP 10
 KK 1710
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1710
 BA 2.90
 BF 5
 PB 1.94
 LS 0 70

UD 0.69
 KK 1711
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1711
 BA 2.40
 BF 5
 PB 1.88
 LS 0 70
 UD 0.69
 KK DP54
 KM COMBINE EC 1710 & 1711
 HC 2
 KK 1712
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1712
 BA 2.40
 BF 5
 PB 1.94
 LS 0 70
 UD 0.66
 KK 1716
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1716
 BA 0.70
 BF 5
 PB 2.05
 LS 0 70
 UD 0.55
 KK DP51
 KM COMBINE DP 54, 1712, 1716, RT 129 & RT 131
 HC 5
 KKRT133A
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KKRT133B
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KKRT133C
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KKRT133D
 KM ROUTING OF DP 51 TO DP 55
 RD 4083 0.1616 0.17 TRAP 10
 KK 1718
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1718
 BA 1.70
 BF 5
 PB 2.15
 LS 0 72
 UD 0.67
 KK 1717
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1717
 BA 2.20
 BF 5
 PB 2.15
 LS 0 70
 UD 0.64
 KK DP55
 KM COMBINE RUNOFF FROM RT 133 & EC 1718, 1717
 HC 3
 KK DP21
 KM COMBINE RT 214, DP 55, WLC 3111 & IT 1911
 KO 21

HC 4
 KK RT216
 KM ROUTING OF DP 21 TO DP 22
 RD 6542 0.0306 0.175 TRAP 25
 KK 3310
 KM RUNOFF CALCULATION FOR SUB-BASIN BKC 3310
 BA 2.30
 BF 5
 PB 2.36
 LS 0 72
 UD 0.72
 KK 1810
 KM RUNOFF CALCULATION FOR SUB-BASIN MS 1810
 BA 0.72
 BF 5
 PB 2.21
 LS 0 72
 UD 0.57
 KK 1610
 KM RUNOFF CALCULATION FROM SUB-BASIN SC 1610
 BA 2.10
 BF 5
 PB 2.09
 LS 0 70
 UD 0.59
 KK RT123
 KM ROUTING OF SC 1610 TO DP 45
 RD 5333 0.2700 0.17 TRAP 10
 KK 1611
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1611
 BA 0.70
 BF 5
 PB 2.15
 LS 0 70
 UD 0.56
 KK 1612
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1612
 BA 1.50
 BF 5
 PB 2.12
 LS 0 70
 UD 0.60
 KK DP45
 KM COMBINE RUNOFF FROM RT 123 & SC 1611, 1612
 HC 3
 KK RT125
 KM ROUTING OF DP 45 TO DP 47
 RD 3833 0.1043 0.17 TRAP 10
 KK 1613
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1613
 BA 0.60
 BF 5
 PB 2.15
 LS 0 70
 UD 0.57
 KK DP47
 KM COMBINE RUNOFF FROM RT 125 & SC 1613
 HC 2
 KK RT127
 KM ROUTING OF DP 47 TO DP 49

RD	5833	0.0548	0.17	TRAP	10
KK	1614				
KM	RUNOFF CALCULATION FOR SUB-BASIN SC 1614				
BA	0.90				
BF	5				
PB	2.21				
LS	0	72			
UD	0.60				
KK	DP49				
KM	COMBINE RUNOFF FROM RT 127 & SC 1614				
HC	2				
KK	3210				
KM	RUNOFF CALCULATION FOR SUB-BASIN WC 3210				
BA	1.81				
BF	5				
PB	2.34				
LS	0	72			
UD	0.68				
KKRT165A					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165B					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165C					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165D					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165E					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KKRT165F					
KM	ROUTING OF WC 3210 TO DP 21				
RD	2569	0.0622	0.17	TRAP	15
KK	3211				
KM	RUNOFF CALCULATION FOR SUB-BASIN WC 3211				
BA	1.13				
BF	5				
PB	2.30				
LS	0	72			
UD	0.75				
KK	DP50				
KM	COMBINE RUNOFF FROM RT 165 & WC 3211				
HC	2				
KK	DP22				
KM	COMBINE RUNOFF FROM RT 216, BKC 3310, MS 1810, DP 50 & DP 49				
KO		21			
HC	5				
KK	RT218				
KM	ROUTING OF DP 22 TO DP 23				
RD	3000	0.0266	0.170	TRAP	25
KK	3510				
KM	RUNOFF CALCULATION FOR SUB-BASIN CR 3510				
BA	0.61				
BF	5				
PB	2.28				
LS	0	74			
UD	0.63				

KK 3410
 KM RUNOFF CALCULATION FOR SUB-BASIN BL 3410
 BA 1.00
 BF 5
 PB 2.28
 LS 0 74
 UD 0.61
 KK DP23
 KM COMBINE RUNOFF FROM RT 218, BL 3410 & CR 3510
 KO 21
 HC 3
 KK RT220
 KM ROUTING OF DP 23 TO DP 24
 RD 3875 0.0206 0.165 TRAP 30
 KK 1510
 KM RUNOFF CALCULATION FOR SUB-BASIN PT 1510
 BA 2.50
 BF 5
 PB 2.28
 LS 0 68
 UD 0.63
 KK 3610
 KM RUNOFF CALCULATION FROM SUB-BASIN CPC 3610
 BA 1.71
 BF 5
 PB 2.15
 LS 0 72
 UD 0.60
 KK RT167
 KM ROUTING OF CPC 3610 TO DP 85
 RD 7292 0.1097 0.16 TRAP 10
 KK 3611
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3611
 BA 1.53
 BF 5
 PB 2.34
 LS 0 72
 UD 0.62
 KK 3612
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3612
 BA 1.15
 BF 5
 PB 2.21
 LS 0 72
 UD 0.64
 KK DP85
 KM COMBINE RT 167 & CPC 3611, 3612
 HC 3
 KKRT169A
 KM ROUTING OF DP 85 TO DP 87
 RD 4028 0.0728 0.16 TRAP 10
 KKRT169B
 KM ROUTING OF DP 85 TO DP 87
 RD 4028 0.0728 0.16 TRAP 10
 KKRT169C
 KM ROUTING OF DP 85 TO DP 87
 RD 4028 0.0728 0.16 TRAP 10
 KK 3613
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3613
 BA 1.45

BF 5
 PB 2.34
 LS 0 72
 UD 0.70
 KK 3614
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3614
 BA 1.32
 BF 5
 PB 2.46
 LS 0 72
 UD 0.69
 KK DP87
 KM COMBINE RUNOFF FROM RT 169 & CPC 3613, 3614
 HC 3
 KKRT171A
 KM ROUTING OF DP 87 TO DP 89
 RD 3819 0.0698 0.16 TRAP 10
 KKRT171B
 KM ROUTING OF DP 87 TO DP 89
 RD 3819 0.0698 0.16 TRAP 10
 KKRT171C
 KM ROUTING OF DP 87 TO DP 89
 RD 3819 0.0698 0.16 TRAP 10
 KK 3615
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3615
 BA 2.06
 BF 5
 PB 2.40
 LS 0 76
 UD 0.69
 KK DP89
 KM COMBINE RUNOFF FROM RT 171 & CPC 3615
 HC 2
 KKRT173A
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173B
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173C
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173D
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KKRT173E
 KM ROUTING OF DP 89 TO DP 90
 RD 2792 0.0229 0.16 TRAP 10
 KK 3616
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3616
 BA 2.37
 BF 5
 PB 2.21
 LS 0 80
 UD 0.78
 KK DP90
 KM COMBINE RUNOFF FROM RT 173 & CPC 3616
 HC 2
 KK DP24
 KM COMBINE RUNOFF FROM RT 220, DP 90 & PT 1510