

**FOUNTAIN CREEK DRAINAGE BASIN
PLANNING STUDY**

**VOLUME III
SUPPORTING INFORMATION/TECHNICAL ADDENDUM
BOOK 1 OF 2**

Prepared For:

THE CITY OF COLORADO SPRINGS
P.O. Box 1575
Colorado Springs, Colorado 80901

Prepared By:

MULLER ENGINEERING COMPANY, INC.
Irongate 2, Suite 100
777 South Wadsworth Boulevard
Lakewood, Colorado 80226
MEC Project No. 9117

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HYDROLOGY

TABLE 4.7-2
EXISTING LAND USE CN VALUES

**TABLE 4.7-2
EXISTING LAND USE CN VALUES**

BASIN DESCRIPTION		HYDROLOGIC SOIL GROUP (PERCENT)				AVERAGE HSG	LAND USE DISTRIBUTION (PERCENT IMPERVIOUS)					CN	WEIGHTED PUBLISHED CN	COMMENTS
		A	B	C	D		0-5%	5-15%	15-40%	40-70%	70-100%			
SW	1110	0	0	100	0	C	100	0	0	0	0	64	64	UNSTUDIED REGION OF TELLER COUNT
	1111	0	0	100	0	C	100	0	0	0	0	61	61	UNSTUDIED REGION OF TELLER COUNT
	1112	0	0	100	0	C	100	0	0	0	0	60	60	UNSTUDIED REGION OF TELLER COUNT
	1113	0	100	0	0	B	100	0	0	0	0	64	64	UNSTUDIED REGION OF TELLER COUNT
	1114	0	100	0	0	B	100	0	0	0	0	60	60	UNSTUDIED REGION OF TELLER COUNT
	1115	0	100	0	0	B	100	0	0	0	0	61	61	UNSTUDIED REGION OF TELLER COUNT
	1116	0	100	0	0	B	100	0	0	0	0	64	64	UNSTUDIED REGION OF TELLER COUNT
	1117	0	80	20	0	B	2	8	80	0	10	74	76	FROM SCS SOILS REPORT (EL PASO CO.)
1118	3	90	7	0	B	2	5	45	25	23	74	76	FROM SCS SOILS REPORT (EL PASO CO.)	
BRC	1210	0	100	0	0	B	100	0	0	0	0	62	62	UNSTUDIED REGION OF TELLER COUNT
	1211	0	90	10	0	B	100	0	0	0	0	62	62	UNSTUDIED REGION OF TELLER COUNT
	1212	0	72	28	0	B	0	30	70	0	0	72	72	FROM SCS SOILS REPORT (EL PASO CO.)
	1213	0	100	0	0	B	0	5	93	2	0	71	71	FROM SCS SOILS REPORT (EL PASO CO.)
	1214	0	25	75	0	C	0	0	0	50	50	82	85	FROM SCS SOILS REPORT (EL PASO CO.)
VM	1310	0	0	0	100	D	85	0	15	0	0	81	85	FROM SCS SOILS REPORT (EL PASO CO.)
	1311	70	5	5	20	A	0	0	10	90	0	80		
21S	1410	20	0	80	0	C	0	0	10	80	10	88	90	FROM SCS SOILS REPORT (EL PASO CO.)
PT	1510	0	60	40	0	B	95	5	0	0	0	68	72	FROM SCS SOILS REPORT (EL PASO CO.)
SC	1610	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1611	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1612	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1613	0	0	100	0	C	100	0	0	0	0	70	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
	1614	0	100	0	0	B	20	80	0	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
EC	1710	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1711	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1712	0	0	90	10	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1713	0	0	90	10	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1714	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1715	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1716	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1717	0	0	100	0	C	97	0	3	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNT
	1718	0	0	100	0	C	80	0	20	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
														FROM SCS SOILS REPORT (EL PASO CO.)
MS	1810	0	0	100	0	C	90	0	10	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
IT	1910	0	0	100	0	C	100	0	0	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
	1911	0	0	100	0	C	90	0	10	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)

TABLE 4.7-2
EXISTING LAND USE CN VALUES (Cont.)

BASIN DESCRIPTION		HYDROLOGIC SOIL GROUP (PERCENT)				AVERAGE HSG	LAND USE DISTRIBUTION (PERCENT IMPERVIOUS)					CN	WEIGHTED PUBLISHED CN	COMMENTS
		A	B	C	D		0-5%	5-15%	15-40%	40-70%	70-100%			
FRC	2010	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2011	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2012	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2013	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2014	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2015	0	100	0	0	B	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
SVC	2110	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2111	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2112	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2113	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2114	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2115	0	100	0	0	B	98	0	2	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
CP	2210	0	0	80	20	C	70	0	30	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
CLC	2310	0	0	80	20	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2311	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2312	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
CTC	2410	0	0	0	100	D	100	0	0	0	0	74	N/A	PRELIMINARY SOILS INFORMATION FROM THE SCS FOR THE WOODLAND PARK AREA
	2411	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2412	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2413	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2414	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2415	0	0	100	0	C	100	0	0	0	0	70	N/A	
	2416	0	0	100	0	C	90	0	10	0	0	70	N/A	
	2417	0	0	100	0	C	100	0	0	0	0	70	N/A	
CRC	2510	0	0	20	80	D	70	0	30	0	0	74	N/A	PRELIMINARY SOILS INFORMATION FROM THE SCS FOR THE WOODLAND PARK AREA
	2511	0	0	100	0	C	60	0	40	0	0	72	N/A	
	2512	0	70	30	0	B	10	5	85	0	0	72	N/A	
	2513	0	0	100	0	C	100	0	0	0	0	70	N/A	
TG	2610	0	80	20	0	B	98	0	2	0	0	66	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2611	0	75	25	0	B	50	0	50	0	0	66	N/A	UNSTUDIED REGION OF TELLER COUNTY
LG	2710	0	0	100	0	C	10	5	80	5	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
SG	2810	0	0	100	0	C	95	0	5	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
WG	2910	0	0	100	0	C	98	0	2	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
CB	3010	0	0	100	0	C	95	0	5	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3011	0	0	100	0	C	90	0	10	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3012	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY

**TABLE 4.7-2
EXISTING LAND USE CN VALUES (Cont.)**

BASIN DESCRIPTION	HYDROLOGIC SOIL GROUP (PERCENT)				AVERAGE HSG	LAND USE DISTRIBUTION (PERCENT IMPERVIOUS)					CN	WEIGHTED PUBLISHED CN	COMMENTS
	A	B	C	D		0-5%	5-15%	15-40%	40-70%	70-100%			
WLC 3110	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	75	25	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
WC 3210	0	0	80	20	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	100	0	C	70	0	30	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
BKC 3310	0	0	100	0	C	60	20	20	0	0	72	73	UNSTUDIED REGION OF TELLER COUNTY
BL 3410	0	30	70	0	C	60	0	20	20	0	74	N/A	UNSTUDIED REGION OF TELLER COUNTY
CR 3510	0	40	60	0	C	80	0	5	15	0	74	77	UNSTUDIED REGION OF TELLER COUNTY
CPC 3610	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	0	0	100	0	C	50	0	50	0	0	76	N/A	UNSTUDIED REGION OF TELLER COUNTY
	10	15	75	0	C	15	5	20	60	0	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
19S 3710	70	10	20	0	A	0	0	10	90	0	84	84	FROM SCS SOILS REPORT (EL PASO COUNTY)
WS 3810	5	15	80	0	C	0	0	0	100	0	84	85	FROM SCS SOILS REPORT (EL PASO COUNTY)
	15	10	75	0	C	0	0	0	100	0	84	85	FROM SCS SOILS REPORT (EL PASO COUNTY)
	5	80	10	0	B	0	0	0	100	0	82	84	FROM SCS SOILS REPORT (EL PASO COUNTY)
	5	85	10	0	B	0	0	0	100	0	82	85	FROM SCS SOILS REPORT (EL PASO COUNTY)
SR 3910	80	20	0	0	A	0	2	3	95	0	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	0	100	0	0	B	0	15	5	80	0	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	10	90	0	0	B	0	0	0	100	0	88	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	0	100	0	0	B	0	0	0	100	0	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	100	0	0	0	A	0	2	0	98	0	84	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	10	90	0	0	B	0	10	0	80	10	83	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	100	0	0	0	A	0	0	0	10	90	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
SPC 4010	100	0	0	0	A	0	0	0	15	85	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	100	0	0	0	A	0	0	0	95	5	85	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	10	85	5	0	B	0	2	3	90	5	88	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	40	50	0	0	B	0	5	5	90	0	85	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	0	100	0	0	B	0	0	0	100	0	85	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	10	90	0	0	B	30	0	30	40	0	83	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	5	95	0	0	B	0	0	10	50	40	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
FHC 4110	10	70	20	0	B	0	3	37	50	10	83	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
MSC 4210	0	100	0	0	B	0	20	20	60	0	85	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)

TABLE 4.7-3
FUTURE LAND USE CN VALUES

**TABLE 4.7-3
FUTURE LAND USE CN VALUES**

BASIN DESCRIPTION		HYDROLOGIC SOIL GROUP (PERCENT)				AVERAGE HSG	LAND USE DISTRIBUTION (PERCENT IMPERVIOUS)					CN	WEIGHTED PUBLISHED CN	COMMENTS
		A	B	C	D		0-5%	5-15%	15-40%	40-70%	70-100%			
SW	1110	0	0	100	0	C	100	0	0	0	0	64	64	UNSTUDIED REGION OF TELLER COUNTY
	1111	0	0	100	0	C	100	0	0	0	0	61	61	UNSTUDIED REGION OF TELLER COUNTY
	1112	0	0	100	0	C	100	0	0	0	0	60	60	UNSTUDIED REGION OF TELLER COUNTY
	1113	0	100	0	0	B	100	0	0	0	0	64	64	UNSTUDIED REGION OF TELLER COUNTY
	1114	0	100	0	0	B	100	0	0	0	0	60	60	UNSTUDIED REGION OF TELLER COUNTY
	1115	0	100	0	0	B	100	0	0	0	0	61	61	UNSTUDIED REGION OF TELLER COUNTY
	1116	0	100	0	0	B	100	0	0	0	0	64	64	UNSTUDIED REGION OF TELLER COUNTY
	1117	0	80	20	0	B	2	8	80	0	10	74	76	FROM SCS SOILS REPORT (EL PASO CO.)
1118	3	90	7	0	B	2	5	45	25	23	74	76	FROM SCS SOILS REPORT (EL PASO CO.)	
BRC	1210	0	100	0	0	B	100	0	0	0	0	62	62	UNSTUDIED REGION OF TELLER COUNTY
	1211	0	90	10	0	B	100	0	0	0	0	62	62	UNSTUDIED REGION OF TELLER COUNTY
	1212	0	72	28	0	B	0	5	90	5	0	72	72	FROM SCS SOILS REPORT (EL PASO CO.)
	1213	0	100	0	0	B	0	5	93	2	0	71	71	FROM SCS SOILS REPORT (EL PASO CO.)
	1214	0	25	75	0	C	0	0	0	50	50	84	85	FROM SCS SOILS REPORT (EL PASO CO.)
VM	1310	0	0	0	100	D	85	0	5	0	10	82	85	FROM SCS SOILS REPORT (EL PASO CO.)
	1311	70	5	5	20	A	0	0	0	10	90	82		
21S	1410	20	0	80	0	C	0	0	0	90	10	90	90	FROM SCS SOILS REPORT (EL PASO CO.)
PT	1510	0	60	40	0	B	90	10	0	0	0	70	72	FROM SCS SOILS REPORT (EL PASO CO.)
SC	1610	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1611	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1612	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1613	0	0	100	0	C	100	0	0	0	0	70	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
	1614	0	100	0	0	B	10	20	70	0	0	74	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
EC	1710	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1711	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1712	0	0	90	10	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1713	0	0	90	10	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1714	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1715	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1716	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	1717	0	0	100	0	C	97	0	3	0	0	70	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
	1718	0	0	100	0	C	80	0	20	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
	MS	1810	0	0	100	0	C	90	0	10	0	0	74	N/A
IT	1910	0	0	100	0	C	100	0	0	0	0	72	N/A	FROM SCS SOILS REPORT (EL PASO CO.)
	1911	0	0	100	0	C	90	0	10	0	0	74	N/A	FROM SCS SOILS REPORT (EL PASO CO.)

TABLE 4.7-3 (Cont.)
FUTURE LAND USE CN VALUES

BASIN DESCRIPTION		HYDROLOGIC SOIL GROUP (PERCENT)				AVERAGE HSG	LAND USE DISTRIBUTION (PERCENT IMPERVIOUS)					CN	WEIGHTED PUBLISHED CN	COMMENTS
		A	B	C	D		0-5%	5-15%	15-40%	40-70%	70-100%			
FRC	2010	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2011	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2012	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2013	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2014	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2015	0	100	0	0	B	50	0	50	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
SVC	2110	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2111	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2112	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2113	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2114	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2115	0	100	0	0	B	98	0	2	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
CP	2210	0	0	80	20	C	50	0	50	0	0	74	N/A	UNSTUDIED REGION OF TELLER COUNTY
CLC	2310	0	0	80	20	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2311	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2312	0	0	100	0	C	5	0	95	0	0	74	N/A	UNSTUDIED REGION OF TELLER COUNTY
CTC	2410	0	0	0	100	D	100	0	0	0	0	74	N/A	PRELIMINARY SOILS INFORMATION FROM THE SCS FOR THE WOODLAND PARK AREA
	2411	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2412	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2413	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2414	0	0	0	100	D	100	0	0	0	0	74	N/A	
	2415	0	0	100	0	C	100	0	0	0	0	70	N/A	
	2416	0	0	100	0	C	10	0	90	0	0	74	N/A	
	2417	0	0	100	0	C	0	0	100	0	0	74	N/A	
CRC	2510	0	0	20	80	D	70	0	30	0	0	74	N/A	PRELIMINARY SOILS INFORMATION FROM THE SCS FOR THE WOODLAND PARK AREA
	2511	0	0	100	0	C	60	0	40	0	0	72	N/A	
	2512	0	70	30	0	B	10	5	85	0	0	72	N/A	
	2513	0	0	100	0	C	100	0	0	0	0	70	N/A	
TG	2610	0	80	20	0	B	98	0	2	0	0	66	N/A	UNSTUDIED REGION OF TELLER COUNTY
	2611	0	75	25	0	B	50	0	50	0	0	66	N/A	UNSTUDIED REGION OF TELLER COUNTY
LG	2710	0	0	100	0	C	10	5	80	5	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
SG	2810	0	0	100	0	C	85	0	15	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
WG	2910	0	0	100	0	C	90	0	10	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
CB	3010	0	0	100	0	C	30	0	70	0	0	74	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3011	0	0	100	0	C	15	5	75	5	0	74	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3012	0	0	100	0	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY

TABLE 4.7-3 (Cont.)
FUTURE LAND USE CN VALUES

BASIN DESCRIPTION	HYDROLOGIC SOIL GROUP (PERCENT)				AVERAGE HSG	LAND USE DISTRIBUTION (PERCENT IMPERVIOUS)					CN	WEIGHTED PUBLISHED CN	COMMENTS
	A	B	C	D		0-5%	5-15%	15-40%	40-70%	70-100%			
WLC 3110	0	0	80	20	C	100	0	0	0	0	70	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3111	0	0	75	25	C	100	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
WC 3210	0	0	80	20	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3211	0	0	100	0	C	70	0	30	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
BKC 3310	0	0	100	0	C	50	10	40	0	0	73	73	UNSTUDIED REGION OF TELLER COUNTY
BL 3410	0	30	70	0	C	60	0	20	20	0	74	N/A	UNSTUDIED REGION OF TELLER COUNTY
CR 3510	0	40	60	0	C	80	0	5	15	0	74	77	UNSTUDIED REGION OF TELLER COUNTY
CPC 3610	0	0	100	0	C	100	0	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3611	0	0	100	0	C	100	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3612	0	0	100	0	C	100	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3613	0	0	100	0	C	100	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3614	0	0	100	0	C	100	0	0	0	72	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3615	0	0	100	0	C	50	0	50	0	76	N/A	UNSTUDIED REGION OF TELLER COUNTY
	3616	10	15	75	0	C	15	5	20	60	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
19S 3710	70	10	20	0	A	0	0	10	90	0	84	84	FROM SCS SOILS REPORT (EL PASO COUNTY)
WS 3810	5	15	80	0	C	0	0	0	100	0	84	85	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3811	15	10	75	0	C	0	0	0	100	84	85	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3812	5	80	10	0	B	0	0	0	100	82	84	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3813	5	85	10	0	B	0	0	0	100	82	85	FROM SCS SOILS REPORT (EL PASO COUNTY)
SR 3910	80	20	0	0	A	0	2	3	95	0	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3911	0	100	0	0	B	0	15	5	80	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3912	10	90	0	0	B	0	0	0	100	88	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3913	0	100	0	0	B	0	0	0	100	80	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3914	100	0	0	0	A	0	2	0	98	84	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3915	10	90	0	0	B	0	10	0	80	83	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	3916	100	0	0	0	A	0	0	0	10	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
SPC 4010	100	0	0	0	A	0	0	0	15	85	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	4011	100	0	0	0	A	0	0	0	95	85	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	4012	10	85	5	0	B	0	2	3	90	88	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	4013	40	50	0	0	B	0	5	5	90	88	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	4014	0	100	0	0	B	0	0	0	100	88	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	4015	10	90	0	0	B	0	0	10	40	92	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
	4016	5	95	0	0	B	0	0	10	50	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
FHC 4110	10	70	20	0	B	0	3	7	50	40	85	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)
MSC 4210	0	100	0	0	B	0	10	10	60	20	90	N/A	FROM SCS SOILS REPORT (EL PASO COUNTY)

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

FUTURE 100-YEAR

CFTL100. HCL

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 FUTURE 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 74

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 74

UD 0.54

KK 2310

KM RUNOFF CALCULATION FROM SUB-BASIN CTC 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 74
 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 72
 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 72
 UD 0.64
 KK 2210
 KM RUNOFF CALCULATION FOR SUB-BASIN CP 2210
 BA 2.51
 BF 5
 PB 2.75
 LS 0 74
 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 74
 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

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 5
 PB 2.67
 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 475 700 730 760 790 820 850 880 910 942
 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 2.75
 LS 0 70
 UD 0.70
 KK 2013
 KM RUNOFF CALCULATION FOR SUB-BASIN FC 2013
 BA 2.62
 BF 5
 PB 2.58
 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 2.82
 LS 0 72
 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 2.89
 LS 0 72
 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 2.98
 LS 0 74
 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 72
 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 72
 UD 0.58
 KK 1911
 KM RUNOFF CALCULATION FOR SUB-BASIN IT 1911

BA 1.30
 BF 5
 PB 2.98
 LS 0 74
 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 73
 UD 0.72
 KK 1810
 KM RUNOFF CALCULATION FOR SUB-BASIN MS 1810
 BA 0.72
 BF 5
 PB 3.07
 LS 0 74
 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 74
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
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 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 70
 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 90
 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 82
 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 82
 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	30	30	30	30
QI	30	30	31	31	31	32	32	32	32	33
QI	33	33	34	34	34	35	35	36	36	37
QI	37	38	39	40	40	41	42	44	45	47
QI	48	50	52	54	56	58	60	62	65	68
QI	72	75	79	83	88	93	99	105	111	118
QI	126	135	146	157	171	186	204	225	148	274
QI	303	336	374	416	465	521	594	695	849	1096
QI	1503	2208	3346	5181	7793	10502	13201	16000	18177	19504
QI	20480	21432	22189	22456	22178	21576	20989	20730	20980	21691
QI	22601	23399	23896	24066	23961	23635	23131	22485	21732	20906
QI	20038	19154	18272	17405	16560	15745	14965	14222	13525	12877
QI	12283	11744	11256	10813	10410	10041	9701	9386	9094	8820
QI	8565	8327	8105	7897	7704	7523	7354	7195	7043	6900
QI	6764	6635	6512	6396	6285	6179	6072	5957	5839	5728
QI	5628	5539	5457	5379	5304	5232	5163	5093	5022	4950
QI	4885	4826	4769	4714	4661	4609	4559	4509	4460	4413
QI	4367	4322	4278	4236	4196	4158	4121	4085	4050	4014
QI	3979	3943	3907	3870	3833	3795	3756	3718	3680	3643
QI	3606	3569	3531	3493	3455	3418	3382	3350	3319	3291
QI	3265	3238	3213	3187	3161	3136	3113	3092	3072	3052
QI	3033	3015	2998	2983	2966	2952	2937	2924	2911	2899
QI	2887	2876	2866	2857	2847	2837	2826	2812		

 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 88
 UD 0.23
 KK 4014
 KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4014
 BA 0.53
 PB 2.16
 LS 0 88
 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 92
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 85
UD 0.51
KK 4210
KM RUNOFF CALCULATION FROM SUB-BASIN MSC 4210
BA 1.25
PB 2.16
LS 0 90
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 FUTURE LAND USE CONDITIONS

FUTURE 100-YEAR

CFTL100. 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
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

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	924.	*	1		1800	217	2258.
1		0005	2	275.	*	1		0605	74	297.	*	1		1205	146	1270.	*	1		1805	218	2243.
1		0010	3	275.	*	1		0610	75	297.	*	1		1210	147	1771.	*	1		1810	219	2229.
1		0015	4	275.	*	1		0615	76	297.	*	1		1215	148	2450.	*	1		1815	220	2217.
1		0020	5	275.	*	1		0620	77	297.	*	1		1220	149	3317.	*	1		1820	221	2206.
1		0025	6	275.	*	1		0625	78	297.	*	1		1225	150	4527.	*	1		1825	222	2197.
1		0030	7	275.	*	1		0630	79	297.	*	1		1230	151	6144.	*	1		1830	223	2189.
1		0035	8	275.	*	1		0635	80	297.	*	1		1235	152	7834.	*	1		1835	224	2182.
1		0040	9	275.	*	1		0640	81	298.	*	1		1240	153	9469.	*	1		1840	225	2176.
1		0045	10	275.	*	1		0645	82	298.	*	1		1245	154	10864.	*	1		1845	226	2170.
1		0050	11	275.	*	1		0650	83	298.	*	1		1250	155	11787.	*	1		1850	227	2166.
1		0055	12	275.	*	1		0655	84	298.	*	1		1255	156	12204.	*	1		1855	228	2163.
1		0100	13	275.	*	1		0700	85	298.	*	1		1300	157	12279.	*	1		1900	229	2160.
1		0105	14	275.	*	1		0705	86	298.	*	1		1305	158	12181.	*	1		1905	230	2157.
1		0110	15	275.	*	1		0710	87	298.	*	1		1310	159	11995.	*	1		1910	231	2156.
1		0115	16	275.	*	1		0715	88	298.	*	1		1315	160	11695.	*	1		1915	232	2154.
1		0120	17	275.	*	1		0720	89	298.	*	1		1320	161	11276.	*	1		1920	233	2153.
1		0125	18	275.	*	1		0725	90	298.	*	1		1325	162	10824.	*	1		1925	234	2152.
1		0130	19	275.	*	1		0730	91	299.	*	1		1330	163	10406.	*	1		1930	235	2152.
1		0135	20	275.	*	1		0735	92	299.	*	1		1335	164	9995.	*	1		1935	236	2151.
1		0140	21	275.	*	1		0740	93	299.	*	1		1340	165	9557.	*	1		1940	237	2150.
1		0145	22	275.	*	1		0745	94	299.	*	1		1345	166	9090.	*	1		1945	238	2149.
1		0150	23	276.	*	1		0750	95	299.	*	1		1350	167	8614.	*	1		1950	239	2147.
1		0155	24	276.	*	1		0755	96	299.	*	1		1355	168	8158.	*	1		1955	240	2143.
1		0200	25	277.	*	1		0800	97	299.	*	1		1400	169	7744.	*	1		2000	241	2139.
1		0205	26	278.	*	1		0805	98	299.	*	1		1405	170	7366.	*	1		2005	242	2132.

1	0210	27	279.	*	1	0810	99	299.	*	1	1410	171	7014.	*	1	2010	243	2124.
1	0215	28	280.	*	1	0815	100	299.	*	1	1415	172	6686.	*	1	2015	244	2115.
1	0220	29	281.	*	1	0820	101	299.	*	1	1420	173	6382.	*	1	2020	245	2103.
1	0225	30	282.	*	1	0825	102	299.	*	1	1425	174	6102.	*	1	2025	246	2091.
1	0230	31	283.	*	1	0830	103	299.	*	1	1430	175	5843.	*	1	2030	247	2077.
1	0235	32	284.	*	1	0835	104	299.	*	1	1435	176	5606.	*	1	2035	248	2062.
1	0240	33	285.	*	1	0840	105	300.	*	1	1440	177	5392.	*	1	2040	249	2045.
1	0245	34	286.	*	1	0845	106	300.	*	1	1445	178	5199.	*	1	2045	250	2027.
1	0250	35	286.	*	1	0850	107	300.	*	1	1450	179	5024.	*	1	2050	251	2009.
1	0255	36	287.	*	1	0855	108	300.	*	1	1455	180	4868.	*	1	2055	252	1992.
1	0300	37	287.	*	1	0900	109	300.	*	1	1500	181	4727.	*	1	2100	253	1977.
1	0305	38	288.	*	1	0905	110	300.	*	1	1505	182	4598.	*	1	2105	254	1965.
1	0310	39	288.	*	1	0910	111	300.	*	1	1510	183	4477.	*	1	2110	255	1956.
1	0315	40	289.	*	1	0915	112	300.	*	1	1515	184	4363.	*	1	2115	256	1950.
1	0320	41	289.	*	1	0920	113	300.	*	1	1520	185	4252.	*	1	2120	257	1946.
1	0325	42	290.	*	1	0925	114	300.	*	1	1525	186	4143.	*	1	2125	258	1943.
1	0330	43	290.	*	1	0930	115	300.	*	1	1530	187	4035.	*	1	2130	259	1939.
1	0335	44	290.	*	1	0935	116	300.	*	1	1535	188	3931.	*	1	2135	260	1936.
1	0340	45	291.	*	1	0940	117	300.	*	1	1540	189	3831.	*	1	2140	261	1932.
1	0345	46	291.	*	1	0945	118	301.	*	1	1545	190	3734.	*	1	2145	262	1928.
1	0350	47	291.	*	1	0950	119	301.	*	1	1550	191	3642.	*	1	2150	263	1922.
1	0355	48	292.	*	1	0955	120	301.	*	1	1555	192	3551.	*	1	2155	264	1914.
1	0400	49	292.	*	1	1000	121	302.	*	1	1600	193	3464.	*	1	2200	265	1903.
1	0405	50	292.	*	1	1005	122	303.	*	1	1605	194	3378.	*	1	2205	266	1889.
1	0410	51	293.	*	1	1010	123	303.	*	1	1610	195	3294.	*	1	2210	267	1870.
1	0415	52	293.	*	1	1015	124	304.	*	1	1615	196	3212.	*	1	2215	268	1848.
1	0420	53	293.	*	1	1020	125	305.	*	1	1620	197	3134.	*	1	2220	269	1824.
1	0425	54	293.	*	1	1025	126	307.	*	1	1625	198	3058.	*	1	2225	270	1801.
1	0430	55	294.	*	1	1030	127	308.	*	1	1630	199	2985.	*	1	2230	271	1778.
1	0435	56	294.	*	1	1035	128	310.	*	1	1635	200	2916.	*	1	2235	272	1755.
1	0440	57	294.	*	1	1040	129	311.	*	1	1640	201	2851.	*	1	2240	273	1733.
1	0445	58	294.	*	1	1045	130	313.	*	1	1645	202	2789.	*	1	2245	274	1711.
1	0450	59	295.	*	1	1050	131	315.	*	1	1650	203	2731.	*	1	2250	275	1690.
1	0455	60	295.	*	1	1055	132	317.	*	1	1655	204	2677.	*	1	2255	276	1669.
1	0500	61	295.	*	1	1100	133	319.	*	1	1700	205	2626.	*	1	2300	277	1648.
1	0505	62	295.	*	1	1105	134	321.	*	1	1705	206	2579.	*	1	2305	278	1627.
1	0510	63	295.	*	1	1110	135	324.	*	1	1710	207	2534.	*	1	2310	279	1607.
1	0515	64	295.	*	1	1115	136	327.	*	1	1715	208	2494.	*	1	2315	280	1588.
1	0520	65	296.	*	1	1120	137	331.	*	1	1720	209	2457.	*	1	2320	281	1570.
1	0525	66	296.	*	1	1125	138	337.	*	1	1725	210	2424.	*	1	2325	282	1554.
1	0530	67	296.	*	1	1130	139	345.	*	1	1730	211	2393.	*	1	2330	283	1540.
1	0535	68	296.	*	1	1135	140	359.	*	1	1735	212	2365.	*	1	2335	284	1528.
1	0540	69	296.	*	1	1140	141	385.	*	1	1740	213	2339.	*	1	2340	285	1517.
1	0545	70	296.	*	1	1145	142	434.	*	1	1745	214	2315.	*	1	2345	286	1508.
1	0550	71	296.	*	1	1150	143	529.	*	1	1750	215	2294.	*	1	2350	287	1498.
1	0555	72	297.	*	1	1155	144	687.	*	1	1755	216	2275.	*	1	2355	288	1489.

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	23.92-HR
12279.	13.00	5408.	1985.	1985.	1985.
		(INCHES) .438	.640	.640	.640
		(AC-FT) 2682.	3924.	3924.	3924.

CUMULATIVE AREA = 114.88 SQ MI

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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	367.	*	1	1200	145	8557.	*	1	1800	217	7657.				
1	0005	2	344.	*	1	0605	74	367.	*	1	1205	146	11457.	*	1	1805	218	7563.				
1	0010	3	344.	*	1	0610	75	367.	*	1	1210	147	14439.	*	1	1810	219	7471.				
1	0015	4	344.	*	1	0615	76	368.	*	1	1215	148	17640.	*	1	1815	220	7379.				
1	0020	5	344.	*	1	0620	77	368.	*	1	1220	149	20330.	*	1	1820	221	7297.				
1	0025	6	344.	*	1	0625	78	369.	*	1	1225	150	22267.	*	1	1825	222	7222.				
1	0030	7	344.	*	1	0630	79	369.	*	1	1230	151	24015.	*	1	1830	223	7151.				
1	0035	8	344.	*	1	0635	80	370.	*	1	1235	152	26048.	*	1	1835	224	7083.				
1	0040	9	344.	*	1	0640	81	370.	*	1	1240	153	28310.	*	1	1840	225	7019.				
1	0045	10	344.	*	1	0645	82	370.	*	1	1245	154	30464.	*	1	1845	226	6957.				
1	0050	11	344.	*	1	0650	83	371.	*	1	1250	155	32074.	*	1	1850	227	6899.				
1	0055	12	344.	*	1	0655	84	372.	*	1	1255	156	32984.	*	1	1855	228	6841.				
1	0100	13	344.	*	1	0700	85	372.	*	1	1300	157	33410.	*	1	1900	229	6786.				
1	0105	14	344.	*	1	0705	86	373.	*	1	1305	158	33659.	*	1	1905	230	6733.				
1	0110	15	344.	*	1	0710	87	373.	*	1	1310	159	34032.	*	1	1910	231	6683.				
1	0115	16	344.	*	1	0715	88	375.	*	1	1315	160	34636.	*	1	1915	232	6634.				
1	0120	17	344.	*	1	0720	89	375.	*	1	1320	161	35305.	*	1	1920	233	6587.				
1	0125	18	344.	*	1	0725	90	376.	*	1	1325	162	35770.	*	1	1925	234	6542.				
1	0130	19	344.	*	1	0730	91	376.	*	1	1330	163	35860.	*	1	1930	235	6500.				
1	0135	20	344.	*	1	0735	92	378.	*	1	1335	164	35579.	*	1	1935	236	6460.				
1	0140	21	344.	*	1	0740	93	379.	*	1	1340	165	35017.	*	1	1940	237	6422.				
1	0145	22	344.	*	1	0745	94	380.	*	1	1345	166	34249.	*	1	1945	238	6385.				

1	0150	23	344.	*	1	0750	95	380.	*	1	1350	167	33304.	*	1	1950	239	6348.
1	0155	24	344.	*	1	0755	96	382.	*	1	1355	168	32203.	*	1	1955	240	6310.
1	0200	25	344.	*	1	0800	97	383.	*	1	1400	169	30988.	*	1	2000	241	6272.
1	0205	26	344.	*	1	0805	98	385.	*	1	1405	170	29708.	*	1	2005	242	6233.
1	0210	27	344.	*	1	0810	99	386.	*	1	1410	171	28410.	*	1	2010	243	6193.
1	0215	28	344.	*	1	0815	100	389.	*	1	1415	172	27126.	*	1	2015	244	6151.
1	0220	29	345.	*	1	0820	101	390.	*	1	1420	173	25876.	*	1	2020	245	6107.
1	0225	30	345.	*	1	0825	102	392.	*	1	1425	174	24667.	*	1	2025	246	6062.
1	0230	31	346.	*	1	0830	103	394.	*	1	1430	175	23503.	*	1	2030	247	6014.
1	0235	32	346.	*	1	0835	104	397.	*	1	1435	176	22393.	*	1	2035	248	5965.
1	0240	33	347.	*	1	0840	105	399.	*	1	1440	177	21339.	*	1	2040	249	5915.
1	0245	34	348.	*	1	0845	106	401.	*	1	1445	178	20344.	*	1	2045	250	5865.
1	0250	35	350.	*	1	0850	107	404.	*	1	1450	179	19415.	*	1	2050	251	5813.
1	0255	36	351.	*	1	0855	108	406.	*	1	1455	180	18554.	*	1	2055	252	5760.
1	0300	37	352.	*	1	0900	109	410.	*	1	1500	181	17767.	*	1	2100	253	5706.
1	0305	38	353.	*	1	0905	110	413.	*	1	1505	182	17051.	*	1	2105	254	5653.
1	0310	39	353.	*	1	0910	111	418.	*	1	1510	183	16402.	*	1	2110	255	5601.
1	0315	40	354.	*	1	0915	112	422.	*	1	1515	184	15813.	*	1	2115	256	5551.
1	0320	41	355.	*	1	0920	113	426.	*	1	1520	185	15275.	*	1	2120	257	5503.
1	0325	42	356.	*	1	0925	114	431.	*	1	1525	186	14781.	*	1	2125	258	5460.
1	0330	43	356.	*	1	0930	115	437.	*	1	1530	187	14322.	*	1	2130	259	5419.
1	0335	44	357.	*	1	0935	116	443.	*	1	1535	188	13892.	*	1	2135	260	5382.
1	0340	45	357.	*	1	0940	117	451.	*	1	1540	189	13489.	*	1	2140	261	5349.
1	0345	46	358.	*	1	0945	118	458.	*	1	1545	190	13105.	*	1	2145	262	5314.
1	0350	47	358.	*	1	0950	119	465.	*	1	1550	191	12742.	*	1	2150	263	5282.
1	0355	48	358.	*	1	0955	120	474.	*	1	1555	192	12400.	*	1	2155	264	5248.
1	0400	49	359.	*	1	1000	121	484.	*	1	1600	193	12078.	*	1	2200	265	5214.
1	0405	50	359.	*	1	1005	122	494.	*	1	1605	194	11773.	*	1	2205	266	5181.
1	0410	51	360.	*	1	1010	123	508.	*	1	1610	195	11486.	*	1	2210	267	5150.
1	0415	52	360.	*	1	1015	124	521.	*	1	1615	196	11214.	*	1	2215	268	5120.
1	0420	53	360.	*	1	1020	125	538.	*	1	1620	197	10957.	*	1	2220	269	5089.
1	0425	54	361.	*	1	1025	126	555.	*	1	1625	198	10713.	*	1	2225	270	5055.
1	0430	55	361.	*	1	1030	127	577.	*	1	1630	199	10477.	*	1	2230	271	5019.
1	0435	56	361.	*	1	1035	128	601.	*	1	1635	200	10254.	*	1	2235	272	4980.
1	0440	57	362.	*	1	1040	129	629.	*	1	1640	201	10040.	*	1	2240	273	4941.
1	0445	58	362.	*	1	1045	130	659.	*	1	1645	202	9837.	*	1	2245	274	4902.
1	0450	59	362.	*	1	1050	131	692.	*	1	1650	203	9643.	*	1	2250	275	4862.
1	0455	60	362.	*	1	1055	132	730.	*	1	1655	204	9460.	*	1	2255	276	4825.
1	0500	61	363.	*	1	1100	133	773.	*	1	1700	205	9285.	*	1	2300	277	4787.
1	0505	62	363.	*	1	1105	134	820.	*	1	1705	206	9119.	*	1	2305	278	4752.
1	0510	63	363.	*	1	1110	135	874.	*	1	1710	207	8955.	*	1	2310	279	4718.
1	0515	64	363.	*	1	1115	136	936.	*	1	1715	208	8787.	*	1	2315	280	4685.
1	0520	65	363.	*	1	1120	137	1014.	*	1	1720	209	8619.	*	1	2320	281	4652.
1	0525	66	364.	*	1	1125	138	1122.	*	1	1725	210	8461.	*	1	2325	282	4621.
1	0530	67	365.	*	1	1130	139	1285.	*	1	1730	211	8318.	*	1	2330	283	4590.
1	0535	68	365.	*	1	1135	140	1544.	*	1	1735	212	8188.	*	1	2335	284	4562.
1	0540	69	365.	*	1	1140	141	1970.	*	1	1740	213	8069.	*	1	2340	285	4533.
1	0545	70	365.	*	1	1145	142	2706.	*	1	1745	214	7958.	*	1	2345	286	4506.
1	0550	71	366.	*	1	1150	143	3896.	*	1	1750	215	7852.	*	1	2350	287	4479.
1	0555	72	366.	*	1	1155	144	5815.	*	1	1755	216	7752.	*	1	2355	288	4457.

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PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	23.92-HR
35860.	13.50	19164.	6517.	6517.	6517.
		(INCHES)	.498	.676	.676
		(AC-FT)	9503.	12880.	12880.

CUMULATIVE AREA = 357.51 SQ MI

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* *
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	514.	*	1	1200	145	4469.	*	1	1800	217	9515.				
1	0005	2	494.	*	1	0605	74	515.	*	1	1205	146	6068.	*	1	1805	218	9377.				
1	0010	3	494.	*	1	0610	75	516.	*	1	1210	147	7830.	*	1	1810	219	9250.				
1	0015	4	494.	*	1	0615	76	516.	*	1	1215	148	9649.	*	1	1815	220	9132.				
1	0020	5	494.	*	1	0620	77	517.	*	1	1220	149	11675.	*	1	1820	221	9022.				
1	0025	6	494.	*	1	0625	78	518.	*	1	1225	150	14149.	*	1	1825	222	8918.				
1	0030	7	494.	*	1	0630	79	518.	*	1	1230	151	17034.	*	1	1830	223	8818.				
1	0035	8	494.	*	1	0635	80	519.	*	1	1235	152	20102.	*	1	1835	224	8722.				
1	0040	9	494.	*	1	0640	81	520.	*	1	1240	153	23128.	*	1	1840	225	8630.				
1	0045	10	494.	*	1	0645	82	521.	*	1	1245	154	25951.	*	1	1845	226	8543.				
1	0050	11	494.	*	1	0650	83	522.	*	1	1250	155	28462.	*	1	1850	227	8460.				
1	0055	12	494.	*	1	0655	84	523.	*	1	1255	156	30613.	*	1	1855	228	8383.				
1	0100	13	494.	*	1	0700	85	524.	*	1	1300	157	32514.	*	1	1900	229	8309.				
1	0105	14	494.	*	1	0705	86	525.	*	1	1305	158	34227.	*	1	1905	230	8239.				
1	0110	15	494.	*	1	0710	87	526.	*	1	1310	159	35722.	*	1	1910	231	8173.				
1	0115	16	494.	*	1	0715	88	527.	*	1	1315	160	36937.	*	1	1915	232	8111.				
1	0120	17	494.	*	1	0720	89	529.	*	1	1320	161	37829.	*	1	1920	233	8051.				
1	0125	18	494.	*	1	0725	90	530.	*	1	1325	162	38405.	*	1	1925	234	7994.				
1	0130	19	494.	*	1	0730	91	531.	*	1	1330	163	38737.	*	1	1930	235	7939.				

1	0135	20	494.	*	1	0735	92	533.	*	1	1335	164	38960.	*	1	1935	236	7885.
1	0140	21	494.	*	1	0740	93	534.	*	1	1340	165	39112.	*	1	1940	237	7831.
1	0145	22	494.	*	1	0745	94	536.	*	1	1345	166	39167.	*	1	1945	238	7777.
1	0150	23	494.	*	1	0750	95	537.	*	1	1350	167	39081.	*	1	1950	239	7723.
1	0155	24	494.	*	1	0755	96	539.	*	1	1355	168	38812.	*	1	1955	240	7668.
1	0200	25	494.	*	1	0800	97	540.	*	1	1400	169	38329.	*	1	2000	241	7615.
1	0205	26	494.	*	1	0805	98	542.	*	1	1405	170	37592.	*	1	2005	242	7562.
1	0210	27	494.	*	1	0810	99	544.	*	1	1410	171	36649.	*	1	2010	243	7512.
1	0215	28	494.	*	1	0815	100	546.	*	1	1415	172	35566.	*	1	2015	244	7463.
1	0220	29	494.	*	1	0820	101	549.	*	1	1420	173	34393.	*	1	2020	245	7415.
1	0225	30	494.	*	1	0825	102	551.	*	1	1425	174	33163.	*	1	2025	246	7369.
1	0230	31	494.	*	1	0830	103	554.	*	1	1430	175	31904.	*	1	2030	247	7324.
1	0235	32	494.	*	1	0835	104	557.	*	1	1435	176	30637.	*	1	2035	248	7278.
1	0240	33	494.	*	1	0840	105	560.	*	1	1440	177	29385.	*	1	2040	249	7230.
1	0245	34	494.	*	1	0845	106	565.	*	1	1445	178	28163.	*	1	2045	250	7179.
1	0250	35	494.	*	1	0850	107	570.	*	1	1450	179	26976.	*	1	2050	251	7129.
1	0255	36	495.	*	1	0855	108	576.	*	1	1455	180	25828.	*	1	2055	252	7083.
1	0300	37	495.	*	1	0900	109	582.	*	1	1500	181	24721.	*	1	2100	253	7047.
1	0305	38	495.	*	1	0905	110	588.	*	1	1505	182	23660.	*	1	2105	254	7019.
1	0310	39	496.	*	1	0910	111	594.	*	1	1510	183	22650.	*	1	2110	255	6990.
1	0315	40	497.	*	1	0915	112	600.	*	1	1515	184	21711.	*	1	2115	256	6953.
1	0320	41	498.	*	1	0920	113	606.	*	1	1520	185	20844.	*	1	2120	257	6905.
1	0325	42	498.	*	1	0925	114	613.	*	1	1525	186	20040.	*	1	2125	258	6847.
1	0330	43	499.	*	1	0930	115	620.	*	1	1530	187	19294.	*	1	2130	259	6782.
1	0335	44	500.	*	1	0935	116	627.	*	1	1535	188	18600.	*	1	2135	260	6712.
1	0340	45	501.	*	1	0940	117	635.	*	1	1540	189	17954.	*	1	2140	261	6636.
1	0345	46	502.	*	1	0945	118	644.	*	1	1545	190	17356.	*	1	2145	262	6559.
1	0350	47	503.	*	1	0950	119	654.	*	1	1550	191	16806.	*	1	2150	263	6484.
1	0355	48	504.	*	1	0955	120	664.	*	1	1555	192	16298.	*	1	2155	264	6412.
1	0400	49	505.	*	1	1000	121	675.	*	1	1600	193	15820.	*	1	2200	265	6345.
1	0405	50	505.	*	1	1005	122	688.	*	1	1605	194	15369.	*	1	2205	266	6285.
1	0410	51	506.	*	1	1010	123	701.	*	1	1610	195	14941.	*	1	2210	267	6231.
1	0415	52	507.	*	1	1015	124	717.	*	1	1615	196	14536.	*	1	2215	268	6184.
1	0420	53	507.	*	1	1020	125	735.	*	1	1620	197	14152.	*	1	2220	269	6145.
1	0425	54	508.	*	1	1025	126	754.	*	1	1625	198	13795.	*	1	2225	270	6112.
1	0430	55	508.	*	1	1030	127	774.	*	1	1630	199	13461.	*	1	2230	271	6084.
1	0435	56	508.	*	1	1035	128	795.	*	1	1635	200	13145.	*	1	2235	272	6058.
1	0440	57	509.	*	1	1040	129	817.	*	1	1640	201	12845.	*	1	2240	273	6031.
1	0445	58	509.	*	1	1045	130	840.	*	1	1645	202	12559.	*	1	2245	274	6001.
1	0450	59	510.	*	1	1050	131	865.	*	1	1650	203	12286.	*	1	2250	275	5964.
1	0455	60	510.	*	1	1055	132	890.	*	1	1655	204	12024.	*	1	2255	276	5921.
1	0500	61	510.	*	1	1100	133	914.	*	1	1700	205	11775.	*	1	2300	277	5872.
1	0505	62	511.	*	1	1105	134	938.	*	1	1705	206	11538.	*	1	2305	278	5820.
1	0510	63	511.	*	1	1110	135	963.	*	1	1710	207	11312.	*	1	2310	279	5766.
1	0515	64	511.	*	1	1115	136	996.	*	1	1715	208	11095.	*	1	2315	280	5712.
1	0520	65	511.	*	1	1120	137	1049.	*	1	1720	209	10888.	*	1	2320	281	5659.
1	0525	66	512.	*	1	1125	138	1122.	*	1	1725	210	10690.	*	1	2325	282	5608.
1	0530	67	512.	*	1	1130	139	1220.	*	1	1730	211	10501.	*	1	2330	283	5561.
1	0535	68	512.	*	1	1135	140	1355.	*	1	1735	212	10321.	*	1	2335	284	5518.
1	0540	69	513.	*	1	1140	141	1545.	*	1	1740	213	10147.	*	1	2340	285	5478.
1	0545	70	513.	*	1	1145	142	1851.	*	1	1745	214	9980.	*	1	2345	286	5440.
1	0550	71	513.	*	1	1150	143	2373.	*	1	1750	215	9817.	*	1	2350	287	5401.
1	0555	72	514.	*	1	1155	144	3214.	*	1	1755	216	9662.	*	1	2355	288	5395.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	23.92-HR

39167.	13.75	21935.	7557.	7557.	7557.
	(INCHES)	.489	.671	.671	.671
	(AC-FT)	10877.	14937.	14937.	14937.

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		

	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	274.	12.58	88.	32.	32.	1.68		
2 COMBINED AT									
	DP83	274.	12.58	88.	33.	33.	13.55		
HYDROGRAPH AT									
	2417	52.	12.42	17.	9.	9.	.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	113.	12.42	34.	14.	14.	.56		
2 COMBINED AT									
	DP71	121.	12.42	105.	55.	55.	5.05		
4 COMBINED AT									
	DP13	1388.	12.83	640.	262.	262.	34.69		
ROUTED TO									
	RT204	1394.	13.00	640.	258.	258.	34.69		
HYDROGRAPH AT									
	2710	422.	12.58	135.	47.	47.	2.55		

HYDROGRAPH AT	2810	216.	12.50	66.	25.	25.	1.11
3 COMBINED AT	DP14	1849.	12.83	821.	329.	329.	38.35
ROUTED TO	RT206	1862.	12.92	821.	327.	327.	38.35
HYDROGRAPH AT	2910	362.	12.50	109.	38.	38.	1.78
HYDROGRAPH AT	2210	480.	12.67	163.	55.	55.	2.51
3 COMBINED AT	DP15	2554.	12.92	1084.	420.	420.	42.64
ROUTED TO	RT208A	2542.	13.00	1083.	417.	417.	42.64
ROUTED TO	RT208B	2539.	13.17	1082.	414.	414.	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	260.	12.33	68.	25.	25.	.88
3 COMBINED AT	DP16	3407.	13.08	1487.	578.	578.	51.73
ROUTED TO	RT210	3406.	13.17	1486.	575.	575.	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	564.	12.42	153.	51.	51.	1.95
3 COMBINED AT							
	DP17	4622.	13.17	2115.	808.	808.	64.05
ROUTED TO							
	RT212A	4613.	13.25	2114.	804.	804.	64.05
ROUTED TO							
	RT212B	4601.	13.33	2115.	801.	801.	64.05
HYDROGRAPH AT							
	3012	152.	12.33	40.	16.	16.	.56
HYDROGRAPH AT							
	3110	475.	12.50	141.	48.	48.	1.78
HYDROGRAPH AT							
	1910	374.	12.42	105.	37.	37.	1.50
4 COMBINED AT							
	DP18	5013.	13.25	2371.	901.	901.	67.89
ROUTED TO							
	RT214A	5000.	13.33	2370.	898.	898.	67.89
ROUTED TO							
	RT214B	4995.	13.33	2369.	895.	895.	67.89
HYDROGRAPH AT							
	3111	129.	12.42	38.	15.	15.	.43
HYDROGRAPH AT							
	1911	369.	12.42	104.	36.	36.	1.30
HYDROGRAPH AT							
	1713	314.	12.50	102.	37.	37.	2.30
ROUTED TO							
	LKM	39.	19.83	39.	16.	16.	2.30
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

10222.23

19.17

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	6720.	13.08	3265.	1237.	1237.	87.42		
ROUTED TO	RT216	6736.	13.17	3264.	1229.	1229.	87.42		
HYDROGRAPH AT	3310	680.	12.58	208.	68.	68.	2.30		
HYDROGRAPH AT	1810	232.	12.42	63.	23.	23.	.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	279.	12.42	78.	28.	28.	.90
2 COMBINED AT	DP49	1225.	12.58	367.	135.	135.	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	8681.	13.08	4106.	1538.	1538.	99.18
ROUTED TO	RT218	8645.	13.08	4105.	1533.	1533.	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	8916.	13.08	4238.	1586.	1586.	100.79
ROUTED TO	RT220	8902.	13.17	4236.	1580.	1580.	100.79
HYDROGRAPH AT	1510	501.	12.50	150.	52.	52.	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	12279.	13.00	5408.	1985.	1985.	114.88
ROUTED TO	RT222	12262.	13.08	5404.	1974.	1974.	114.88
HYDROGRAPH AT	1410	414.	12.33	104.	36.	36.	.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	12583.	13.08	5556.	2047.	2047.	116.23
ROUTED TO	RT224	12544.	13.08	5554.	2041.	2041.	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	143.	12.33	38.	15.	15.	.32
4 COMBINED AT	DP26	12962.	13.08	5735.	2116.	2116.	117.99
ROUTED TO	RT226	12899.	13.17	5732.	2107.	2107.	117.99
HYDROGRAPH AT	3813	203.	12.42	56.	21.	21.	.50
HYDROGRAPH AT	1311	125.	12.50	38.	15.	15.	.32
HYDROGRAPH AT	DP515	24066.	13.58	13437.	4374.	4374.	238.70
4 COMBINED AT	DP27	35860.	13.50	19164.	6517.	6517.	357.51
ROUTED TO	RT228	35771.	13.50	19152.	6503.	6503.	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	36371.	13.50	19572.	6665.	6665.	368.51
ROUTED TO	RT230A	36303.	13.58	19563.	6652.	6652.	368.51
ROUTED TO	RT230B	36233.	13.58	19552.	6639.	6639.	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	38426.	13.58	20953.	7180.	7180.	401.93
ROUTED TO	RT232A	38313.	13.67	20938.	7160.	7160.	401.93
ROUTED TO	RT232B	38261.	13.67	20922.	7141.	7141.	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	466.	12.00	70.	25.	25.	.83
HYDROGRAPH AT	4014	387.	12.00	55.	21.	21.	.53

3 COMBINED AT	DP98	1754.	12.17	499.	172.	172.	5.52
ROUTED TO	RT187	1754.	12.25	499.	171.	171.	5.52
HYDROGRAPH AT	4015	1430.	12.00	201.	67.	67.	1.41
2 COMBINED AT	DP99	2723.	12.08	695.	238.	238.	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	39075.	13.67	21701.	7483.	7483.	413.54
ROUTED TO	RT234A	38971.	13.67	21683.	7459.	7459.	413.54
ROUTED TO	RT234B	38915.	13.75	21664.	7435.	7435.	413.54
HYDROGRAPH AT	4110	1023.	12.25	234.	76.	76.	2.35
HYDROGRAPH AT	4210	779.	12.08	137.	46.	46.	1.25
3 COMBINED AT	DP31	39167.	13.75	21935.	7557.	7557.	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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .8192E+02 EXCESS= .0000E+00 OUTFLOW= .8028E+02 BASIN STORAGE= .1815E+01 PERCENT ERROR= -.2

RT204	MANE	5.00	1394.26	780.00	.28	5.00	1394.26	780.00	.28
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .5198E+03 EXCESS= .0000E+00 OUTFLOW= .5112E+03 BASIN STORAGE= .9246E+01 PERCENT ERROR= -.1

RT206	MANE	5.00	1861.90	775.00	.32	5.00	1861.90	775.00	.32
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .6521E+03 EXCESS= .0000E+00 OUTFLOW= .6485E+03 BASIN STORAGE= .3946E+01 PERCENT ERROR= .0

RT208A	MANE	5.00	2542.24	780.00	.36	5.00	2542.24	780.00	.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .8326E+03 EXCESS= .0000E+00 OUTFLOW= .8259E+03 BASIN STORAGE= .7528E+01 PERCENT ERROR= -.1

RT208B	MANE	5.00	2539.11	790.00	.36	5.00	2539.11	790.00	.36
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .8259E+03 EXCESS= .0000E+00 OUTFLOW= .8192E+03 BASIN STORAGE= .7592E+01 PERCENT ERROR= -.1

RT143	MANE	3.25	474.95	757.25	.58	5.00	471.69	760.00	.58
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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
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .4931E+02 EXCESS= .0000E+00 OUTFLOW= .4909E+02 BASIN STORAGE= .2827E+00 PERCENT ERROR= -.1

RT145B 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 3405.79 790.00 .41 5.00 3405.79 790.00 .41

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1144E+04 EXCESS= .0000E+00 OUTFLOW= .1138E+04 BASIN STORAGE= .6470E+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 4612.69 795.00 .47 5.00 4612.69 795.00 .47

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1600E+04 EXCESS= .0000E+00 OUTFLOW= .1592E+04 BASIN STORAGE= .8084E+01 PERCENT ERROR= -.1

RT212B	MANE	5.00	4601.10	800.00	.46	5.00	4601.10	800.00	.46
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1592E+04 EXCESS= .0000E+00 OUTFLOW= .1585E+04 BASIN STORAGE= .8183E+01 PERCENT ERROR= -.1

RT214A	MANE	3.97	5018.85	798.25	.49	5.00	5000.32	800.00	.49
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1782E+04 EXCESS= .0000E+00 OUTFLOW= .1776E+04 BASIN STORAGE= .6890E+01 PERCENT ERROR= .0

RT214B	MANE	3.98	4995.55	799.01	.49	5.00	4995.20	800.00	.49
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1773E+04 EXCESS= .0000E+00 OUTFLOW= .1767E+04 BASIN STORAGE= .7000E+01 PERCENT ERROR= .0

RT129A	MANE	5.00	39.08	1200.00	.25	5.00	39.08	1200.00	.25
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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
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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
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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
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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
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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
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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
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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
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .4060E+03 EXCESS= .0000E+00 OUTFLOW= .4045E+03 BASIN STORAGE= .1821E+01 PERCENT ERROR= -.1

RT216	MANE	5.00	6736.13	790.00	.52	5.00	6736.13	790.00	.52
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .2450E+04 EXCESS= .0000E+00 OUTFLOW= .2433E+04 BASIN STORAGE= .1756E+02 PERCENT ERROR= .0

RT123	MANE	3.00	402.53	753.00	.73	5.00	400.85	750.00	.73
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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
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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
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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
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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
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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
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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
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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
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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 3.05 8656.80 788.92 .57 5.00 8645.40 785.00 .57

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3042E+04 EXCESS= .0000E+00 OUTFLOW= .3033E+04 BASIN STORAGE= .9058E+01 PERCENT ERROR= .0

RT220 MANE 4.44 8902.51 790.28 .58 5.00 8901.53 790.00 .58

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3139E+04 EXCESS= .0000E+00 OUTFLOW= .3126E+04 BASIN STORAGE= .1361E+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 12262.50 785.00 .64 5.00 12262.50 785.00 .64

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3930E+04 EXCESS= .0000E+00 OUTFLOW= .3909E+04 BASIN STORAGE= .2602E+02 PERCENT ERROR= -.1

RT224 MANE 3.11 12569.78 787.36 .65 5.00 12543.50 785.00 .65

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4049E+04 EXCESS= .0000E+00 OUTFLOW= .4038E+04 BASIN STORAGE= .1246E+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 4.61 12905.30 787.90 .66 5.00 12899.16 790.00 .66

CONTINUITY SUMMARY (AC-FT) - INFLOW= .4184E+04 EXCESS= .0000E+00 OUTFLOW= .4166E+04 BASIN STORAGE= .1904E+02 PERCENT ERROR= .0

RT228 MANE 3.04 35791.36 811.97 .67 5.00 35770.94 810.00 .67

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1287E+05 EXCESS= .0000E+00 OUTFLOW= .1285E+05 BASIN STORAGE= .3032E+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 3.24 36305.60 812.13 .67 5.00 36303.20 815.00 .67

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1318E+05 EXCESS= .0000E+00 OUTFLOW= .1315E+05 BASIN STORAGE= .3294E+02 PERCENT ERROR= -.1

RT230B MANE 3.24 36252.44 815.74 .67 5.00 36233.16 815.00 .67

CONTINUITY SUMMARY (AC-FT) - INFLOW= .1315E+05 EXCESS= .0000E+00 OUTFLOW= .1313E+05 BASIN STORAGE= .3307E+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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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	4.35	38362.84	817.41	.66	5.00	38312.90	820.00	.66
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1421E+05 EXCESS= .0000E+00 OUTFLOW= .1417E+05 BASIN STORAGE= .4713E+02 PERCENT ERROR= -.1

RT232B	MANE	4.35	38275.86	822.35	.66	5.00	38260.76	820.00	.66
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1414E+05 EXCESS= .0000E+00 OUTFLOW= .1411E+05 BASIN STORAGE= .4758E+02 PERCENT ERROR= -.1

RT183	MANE	5.00	841.14	755.00	1.33	5.00	841.14	755.00	1.33
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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
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .2503E+03 EXCESS= .0000E+00 OUTFLOW= .2492E+03 BASIN STORAGE= .1207E+01 PERCENT ERROR= .0

RT187	MANE	5.00	1753.72	735.00	1.15	5.00	1753.72	735.00	1.15
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .3396E+03 EXCESS= .0000E+00 OUTFLOW= .3387E+03 BASIN STORAGE= .9642E+00 PERCENT ERROR= .0

RT234A	MANE	4.37	39004.14	822.10	.67	5.00	38971.40	820.00	.67
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1480E+05 EXCESS= .0000E+00 OUTFLOW= .1476E+05 BASIN STORAGE= .4912E+02 PERCENT ERROR= .0

RT234B	MANE	4.38	38919.65	827.01	.66	5.00	38914.74	825.00	.67
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CONTINUITY SUMMARY (AC-FT) - INFLOW= .1473E+05 EXCESS= .0000E+00 OUTFLOW= .1468E+05 BASIN STORAGE= .4959E+02 PERCENT ERROR= .0

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

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

FUTURE 10-YEAR

CFTL10. 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 FUTURE LAND USE

*DIAGRAM

IT 5 288

IO 0

KK 2510

KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2510

BA 2.16

BF 30

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 30
 PB 1.57
 LS 0 72
 UD 0.78
 KK 2512
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2512
 BA 5.62
 BF 30
 PB 1.57
 LS 0 72
 UD 0.78
 KK 2513
 KM RUNOFF CALCULATION FOR SUB-BASIN CRC 2513
 BA 1.88
 BF 30
 PB 1.57
 LS 0 70
 UD 0.71
 KK 2610
 KM RUNOFF CALCULATION FOR SUB-BASIN TG 2610
 BA 1.41
 BF 30
 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 30
 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 30
 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 30
 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 30
 PB 1.80
 LS 0 74
 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 30
 PB 1.83
 LS 0 74
 UD 0.54
 KK 2310
 KM RUNOFF CALCULATION FROM SUB-BASIN CTC 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 30
 PB 1.83
 LS 0 74
 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 30
 PB 1.94
 LS 0 72
 UD 0.68
 KK 2810
 KM RUNOFF CALCULATION FOR SUB-BASIN SG 2810
 BA 1.11
 BF 30
 PB 2.00
 LS 0 72
 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 30
 PB 2.05
 LS 0 72
 UD 0.64
 KK 2210
 KM RUNOFF CALCULATION FOR SUB-BASIN CP 2210
 BA 2.51
 BF 30
 PB 2.00
 LS 0 74
 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 30
 PB 1.88
 LS 0 70
 UD 0.68
 KK 2111
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2111
 BA 1.91
 BF 30
 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 30
 PB 2.00
 LS 0 70
 UD 0.60
 KK 2113
 KM RUNOFF CALCULATION FOR SUB-BASIN SVC 2113
 BA 1.77

30
 1.77
 0 70
 0.64
 RT145A
 ROUTING OF SVC 2113 TO DP 65
 2657 0.0677 0.170 TRAP 10
 RT145B
 ROUTING OF SVC 2113 TO DP 65
 2657 0.0677 0.170 TRAP 10
 RT145C
 ROUTING OF SVC 2113 TO DP 65
 2657 0.0677 0.170 TRAP 10
 RT145D
 ROUTING OF SVC 2113 TO DP 65
 2657 0.0677 0.170 TRAP 10
 2114
 RUNOFF CALCULATION FOR SUB-BASIN SVC 2114
 1.61
 30
 1.94
 0 70
 0.67
 DP65
 COMBINE SVC 2112, SVC 2114, RT 143 & RT 145
 4
 RT147
 ROUTING OF DP 65 TO DP 67
 4792 0.2170 0.170 TRAP 10
 2115
 RUNOFF CALCULATION FOR SUB-BASIN SVC 2115
 0.65
 30
 2.05
 0 72
 0.53
 DP67
 COMBINE RT 147 & SVC 2115
 2
 3010
 RUNOFF CALCULATION FOR SUB-BASIN CB 3010
 0.88
 30
 2.09
 0 74
 0.52
 DP16
 COMBINE RT 208, CB 3010 & DP 67
 21
 3
 RT210
 ROUTING OF DP 16 TO DP 17
 3875 0.0258 0.165 TRAP 25
 2010
 RUNOFF CALCULATION FROM SUB-BASIN FC 2010
 2.50
 30
 1.83
 0 70
 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 30

PB 2.00

LS 0 70

UD 0.70

KK 2013

KM RUNOFF CALCULATION FOR SUB-BASIN FC 2013

BA 2.62

BF 30

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 30

PB 2.05

LS 0 72

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 30

PB 2.09

LS 0 72

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 30
 PB 2.15
 LS 0 74
 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 30
 PB 2.21
 LS 0 70
 UD 0.47
 KK 3110
 KM RUNOFF CALCULATION FOR SUB-BASIN WLC 3110
 BA 1.78
 BF 30
 PB 2.28
 LS 0 70
 UD 0.66
 KK 1910
 KM RUNOFF CALCULATION FOR SUB-BASIN IT 1910
 BA 1.50
 BF 30
 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 30
 PB 2.15
 LS 0 74
 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 30
 PB 1.94
 LS 0 70

UD 0.69
 KK 1711
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1711
 BA 2.40
 BF 30
 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 30
 PB 1.94
 LS 0 70
 UD 0.66
 KK 1716
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1716
 BA 0.70
 BF 30
 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 30
 PB 2.15
 LS 0 72
 UD 0.67
 KK 1717
 KM RUNOFF CALCULATION FOR SUB-BASIN EC 1717
 BA 2.20
 BF 30
 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

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 30
 PB 2.36
 LS 0 73
 UD 0.72
 KK 1810
 KM RUNOFF CALCULATION FOR SUB-BASIN MS 1810
 BA 0.72
 BF 30
 PB 2.21
 LS 0 74
 UD 0.57
 KK 1610
 KM RUNOFF CALCULATION FROM SUB-BASIN SC 1610
 BA 2.10
 BF 30
 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 30
 PB 2.15
 LS 0 70
 UD 0.56
 KK 1612
 KM RUNOFF CALCULATION FOR SUB-BASIN SC 1612
 BA 1.50
 BF 30
 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 30
 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 30
 PB 2.21
 LS 0 74
 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 30
 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 30
 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 30
 PB 2.28
 LS 0 74
 UD 0.63

KK 3410
 KM RUNOFF CALCULATION FOR SUB-BASIN BL 3410
 BA 1.00
 BF 30
 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 30
 PB 2.28
 LS 0 70
 UD 0.63
 KK 3610
 KM RUNOFF CALCULATION FROM SUB-BASIN CPC 3610
 BA 1.71
 BF 30
 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 30
 PB 2.34
 LS 0 72
 UD 0.62
 KK 3612
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3612
 BA 1.15
 BF 30
 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 30
 PB 2.34
 LS 0 72
 UD 0.70
 KK 3614
 KM RUNOFF CALCULATION FOR SUB-BASIN CPC 3614
 BA 1.32
 BF 30
 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 30
 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 30
 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

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 30
 PB 2.05
 LS 0 90
 UD 0.60
 KK 3810
 KM RUNOFF CALCULATION FOR SUB-BASIN WS 3810
 BA 0.37
 BF 30
 PB 2.09
 LS 0 84
 UD 0.55
 KK 3811
 KM RUNOFF CALCULATION FOR SUB-BASIN WS 3811
 BA 0.34
 BF 30
 PB 2.05
 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 30
 PB 2.09
 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 30
 PB 2.05
 LS 0 82
 UD 0.64
 KK 1310
 KM RUNOFF CALCULATION FOR SUB-BASIN VM 1310
 BA 0.32
 BF 30
 PB 2.00
 LS 0 82
 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 30
 PB 2.00
 LS 0 82
 UD 0.62
 KK 1311
 KM RUNOFF CALCULATION FOR SUB-BASIN VM 1311
 BA 0.32
 BF 30
 PB 2.00
 LS 0 82
 UD 0.67
 KK DP515
 KM RUNOFF HYDROGRAPH FOR MONUMENT CREEK WATRESHED (KIOWA ENG.)
 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	30	30	30	30	30	30	30
QI	31	31	31	31	31	31	32	32	32	32
QI	33	33	34	34	34	35	35	36	36	37
QI	38	38	39	40	41	42	44	45	46	48
QI	49	51	53	56	58	62	65	70	75	81
QI	87	95	103	113	124	137	156	189	243	334
QI	486	741	1118	1603	2255	3315	4883	6416	7549	8346
QI	8851	9211	9599	10007	10298	10416	10390	10195	9822	9322
QI	8759	8184	7623	7091	6618	6286	6167	6239	6484	6907
QI	7414	7852	8139	8274	8285	8204	8059	7868	7647	7409
QI	7162	6915	6671	6434	6199	5952	5702	5473	5272	5092
QI	4915	4750	4608	4483	4368	4260	4158	4060	3964	3870
QI	3780	3693	3610	3531	3455	3385	3317	3253	3191	3134
QI	3081	3032	2987	2945	2905	2866	2829	2794	2761	2729
QI	2698	2668	2638	2610	2582	2554	2527	2500	2474	2448
QI	2423	2399	2376	2354	2334	2315	2296	2278	2259	2241
QI	2224	2206	2188	2170	2152	2133	2114	2094	2075	2054
QI	2034	2014	1993	1971	1949	1929	1910	1891	1874	1857
QI	1842	1827	1813	1799	1786	1774	1763	1752	1742	1732
QI	1723	1715	1706	1698	1690	1683	1675	1668	1661	1654
QI	1647	1641	1635	1629	1622	1615	1608	1599		

 KK DP27
 KM COMBINE RUNOFF FROM RT 226, VM 1310 & WS 3813 (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 2.09
 LS 0 62
 UD 0.18
 KK 1211
 KM RUNOFF CALCULATION FOR SUB-BASIN BRC 1211
 BA 5.77
 PB 2.05
 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 2.05
 LS 0 72
 UD 0.36
 KK 1213
 KM RUNOFF CALCULATION FROM SUB-BASIN BRC 1213
 BA 0.82
 PB 2.00
 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 1.94
 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 1.77
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 1.88
LS 0 80
UD 0.30
KK 3912
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3912
BA 1.19
PB 1.94
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 1.83
LS 0 80
UD 0.39
KK 3914
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3914
BA 0.62
PB 1.94
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 1.94
LS 0 90
UD 0.40
KK 3915
KM RUNOFF CALCULATION FOR SUB-BASIN SR 3915
BA 1.08
PB 1.88
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 1.94
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 2.00
LS 0 61
UD 0.27
KK 1112
KM RUNOFF CALCULATION FOR SUB-BASIN SW 1112
BA 1.68
PB 2.00
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 1.94
 LS 0 60
 UD 0.31
 KK 1115
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1115
 BA 4.51
 PB 1.90
 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 2.00
 LS 0 64
 UD 0.28
 KK 1116
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1116
 BA 0.88
 PB 1.94
 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 1.94
 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 1.57
 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 1.57
 LS 0 85
 UD 0.32
 KK 4012
 KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4012
 BA 1.55
 PB 1.36
 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 1.40
 LS 0 88
 UD 0.23
 KK 4014
 KM RUNOFF CALCULATION FROM SUB-BASIN SPC 4014
 BA 0.53
 PB 1.57
 LS 0 88
 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 1.77

LS 0 92
 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 1.83
 LS 0 90
 UD 0.19
 KK 1118
 KM RUNOFF CALCULATION FROM SUB-BASIN SW 1118
 BA 4.15
 PB 1.88
 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 1.77
 LS 0 85
 UD 0.51
 KK 4210
 KM RUNOFF CALCULATION FROM SUB-BASIN MSC 4210
 BA 1.25
 PB 1.57
 LS 0 90
 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
10-YEAR FUTURE LAND USE CONDITIONS

FUTURE 10-YEAR

CFTL10. OUT

HEC-1 OUTPUT

898 KK

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*****
*           *
*   DP24   *
*           *
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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
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
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901 HC

HYDROGRAPH COMBINATION

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ICOMP      3  NUMBER OF HYDROGRAPHS TO COMBINE
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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	1650.	*	1	0600	73	1787.	*	1	1200	145	2041.	*	1	1800	217	2859.				
1	0005	2	1650.	*	1	0605	74	1788.	*	1	1205	146	2202.	*	1	1805	218	2855.				
1	0010	3	1650.	*	1	0610	75	1788.	*	1	1210	147	2425.	*	1	1810	219	2851.				
1	0015	4	1650.	*	1	0615	76	1789.	*	1	1215	148	2705.	*	1	1815	220	2848.				
1	0020	5	1650.	*	1	0620	77	1790.	*	1	1220	149	3030.	*	1	1820	221	2845.				
1	0025	6	1650.	*	1	0625	78	1790.	*	1	1225	150	3396.	*	1	1825	222	2844.				
1	0030	7	1650.	*	1	0630	79	1791.	*	1	1230	151	3811.	*	1	1830	223	2842.				
1	0035	8	1650.	*	1	0635	80	1791.	*	1	1235	152	4271.	*	1	1835	224	2842.				
1	0040	9	1650.	*	1	0640	81	1792.	*	1	1240	153	4731.	*	1	1840	225	2841.				
1	0045	10	1650.	*	1	0645	82	1792.	*	1	1245	154	5147.	*	1	1845	226	2841.				
1	0050	11	1650.	*	1	0650	83	1793.	*	1	1250	155	5503.	*	1	1850	227	2842.				
1	0055	12	1650.	*	1	0655	84	1793.	*	1	1255	156	5794.	*	1	1855	228	2842.				
1	0100	13	1650.	*	1	0700	85	1794.	*	1	1300	157	6019.	*	1	1900	229	2843.				
1	0105	14	1650.	*	1	0705	86	1794.	*	1	1305	158	6150.	*	1	1905	230	2844.				
1	0110	15	1650.	*	1	0710	87	1795.	*	1	1310	159	6169.	*	1	1910	231	2845.				
1	0115	16	1650.	*	1	0715	88	1795.	*	1	1315	160	6128.	*	1	1915	232	2846.				
1	0120	17	1651.	*	1	0720	89	1796.	*	1	1320	161	6069.	*	1	1920	233	2848.				
1	0125	18	1652.	*	1	0725	90	1796.	*	1	1325	162	5975.	*	1	1925	234	2849.				
1	0130	19	1653.	*	1	0730	91	1796.	*	1	1330	163	5856.	*	1	1930	235	2851.				
1	0135	20	1657.	*	1	0735	92	1797.	*	1	1335	164	5720.	*	1	1935	236	2852.				
1	0140	21	1662.	*	1	0740	93	1797.	*	1	1340	165	5574.	*	1	1940	237	2854.				
1	0145	22	1670.	*	1	0745	94	1798.	*	1	1345	166	5426.	*	1	1945	238	2855.				
1	0150	23	1681.	*	1	0750	95	1798.	*	1	1350	167	5281.	*	1	1950	239	2855.				
1	0155	24	1693.	*	1	0755	96	1798.	*	1	1355	168	5143.	*	1	1955	240	2854.				
1	0200	25	1703.	*	1	0800	97	1799.	*	1	1400	169	5013.	*	1	2000	241	2853.				
1	0205	26	1708.	*	1	0805	98	1799.	*	1	1405	170	4890.	*	1	2005	242	2850.				
1	0210	27	1713.	*	1	0810	99	1800.	*	1	1410	171	4774.	*	1	2010	243	2847.				

1	0215	28	1717.	*	1	0815	100	1800.	*	1	1415	172	4664.	*	1	2015	244	2842.
1	0220	29	1721.	*	1	0820	101	1800.	*	1	1420	173	4559.	*	1	2020	245	2836.
1	0225	30	1724.	*	1	0825	102	1801.	*	1	1425	174	4458.	*	1	2025	246	2830.
1	0230	31	1728.	*	1	0830	103	1801.	*	1	1430	175	4364.	*	1	2030	247	2822.
1	0235	32	1731.	*	1	0835	104	1801.	*	1	1435	176	4276.	*	1	2035	248	2814.
1	0240	33	1734.	*	1	0840	105	1802.	*	1	1440	177	4193.	*	1	2040	249	2805.
1	0245	34	1737.	*	1	0845	106	1802.	*	1	1445	178	4116.	*	1	2045	250	2796.
1	0250	35	1740.	*	1	0850	107	1802.	*	1	1450	179	4045.	*	1	2050	251	2787.
1	0255	36	1742.	*	1	0855	108	1803.	*	1	1455	180	3978.	*	1	2055	252	2778.
1	0300	37	1745.	*	1	0900	109	1803.	*	1	1500	181	3915.	*	1	2100	253	2770.
1	0305	38	1747.	*	1	0905	110	1803.	*	1	1505	182	3857.	*	1	2105	254	2765.
1	0310	39	1749.	*	1	0910	111	1804.	*	1	1510	183	3802.	*	1	2110	255	2761.
1	0315	40	1751.	*	1	0915	112	1804.	*	1	1515	184	3750.	*	1	2115	256	2760.
1	0320	41	1753.	*	1	0920	113	1804.	*	1	1520	185	3701.	*	1	2120	257	2760.
1	0325	42	1755.	*	1	0925	114	1804.	*	1	1525	186	3655.	*	1	2125	258	2761.
1	0330	43	1757.	*	1	0930	115	1805.	*	1	1530	187	3612.	*	1	2130	259	2762.
1	0335	44	1759.	*	1	0935	116	1805.	*	1	1535	188	3570.	*	1	2135	260	2762.
1	0340	45	1760.	*	1	0940	117	1805.	*	1	1540	189	3531.	*	1	2140	261	2763.
1	0345	46	1762.	*	1	0945	118	1806.	*	1	1545	190	3493.	*	1	2145	262	2762.
1	0350	47	1763.	*	1	0950	119	1806.	*	1	1550	191	3456.	*	1	2150	263	2759.
1	0355	48	1765.	*	1	0955	120	1806.	*	1	1555	192	3420.	*	1	2155	264	2755.
1	0400	49	1766.	*	1	1000	121	1806.	*	1	1600	193	3384.	*	1	2200	265	2747.
1	0405	50	1767.	*	1	1005	122	1807.	*	1	1605	194	3347.	*	1	2205	266	2737.
1	0410	51	1768.	*	1	1010	123	1807.	*	1	1610	195	3311.	*	1	2210	267	2726.
1	0415	52	1770.	*	1	1015	124	1807.	*	1	1615	196	3275.	*	1	2215	268	2713.
1	0420	53	1771.	*	1	1020	125	1807.	*	1	1620	197	3239.	*	1	2220	269	2701.
1	0425	54	1772.	*	1	1025	126	1808.	*	1	1625	198	3205.	*	1	2225	270	2689.
1	0430	55	1773.	*	1	1030	127	1808.	*	1	1630	199	3172.	*	1	2230	271	2678.
1	0435	56	1774.	*	1	1035	128	1808.	*	1	1635	200	3140.	*	1	2235	272	2666.
1	0440	57	1775.	*	1	1040	129	1808.	*	1	1640	201	3110.	*	1	2240	273	2654.
1	0445	58	1776.	*	1	1045	130	1809.	*	1	1645	202	3082.	*	1	2245	274	2642.
1	0450	59	1777.	*	1	1050	131	1809.	*	1	1650	203	3056.	*	1	2250	275	2630.
1	0455	60	1778.	*	1	1055	132	1809.	*	1	1655	204	3032.	*	1	2255	276	2618.
1	0500	61	1779.	*	1	1100	133	1809.	*	1	1700	205	3009.	*	1	2300	277	2607.
1	0505	62	1779.	*	1	1105	134	1810.	*	1	1705	206	2988.	*	1	2305	278	2596.
1	0510	63	1780.	*	1	1110	135	1810.	*	1	1710	207	2969.	*	1	2310	279	2585.
1	0515	64	1781.	*	1	1115	136	1811.	*	1	1715	208	2951.	*	1	2315	280	2576.
1	0520	65	1782.	*	1	1120	137	1811.	*	1	1720	209	2936.	*	1	2320	281	2567.
1	0525	66	1783.	*	1	1125	138	1812.	*	1	1725	210	2921.	*	1	2325	282	2559.
1	0530	67	1783.	*	1	1130	139	1814.	*	1	1730	211	2909.	*	1	2330	283	2551.
1	0535	68	1784.	*	1	1135	140	1817.	*	1	1735	212	2897.	*	1	2335	284	2544.
1	0540	69	1785.	*	1	1140	141	1823.	*	1	1740	213	2888.	*	1	2340	285	2537.
1	0545	70	1785.	*	1	1145	142	1837.	*	1	1745	214	2879.	*	1	2345	286	2531.
1	0550	71	1786.	*	1	1150	143	1870.	*	1	1750	215	2871.	*	1	2350	287	2525.
1	0555	72	1787.	*	1	1155	144	1934.	*	1	1755	216	2865.	*	1	2355	288	2521.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	23.92-HR
(CFS)	(HR)				
		(CFS)			
6169.	13.17	3987.	2562.	2562.	2562.
		(INCHES)	.323	.827	.827
		(AC-FT)	1977.	5064.	5064.

CUMULATIVE AREA = 114.88 SQ MI

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1013 KK DP27

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

1015 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

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	1919.	*	1	0600	73	2053.	*	1	1200	145	4535.	*	1	1800	217	6024.	
1	0005	2	1919.	*	1	0605	74	2054.	*	1	1205	146	5724.	*	1	1805	218	5980.	
1	0010	3	1919.	*	1	0610	75	2054.	*	1	1210	147	7466.	*	1	1810	219	5940.	
1	0015	4	1919.	*	1	0615	76	2055.	*	1	1215	148	9216.	*	1	1815	220	5901.	
1	0020	5	1919.	*	1	0620	77	2056.	*	1	1220	149	10606.	*	1	1820	221	5865.	
1	0025	6	1919.	*	1	0625	78	2056.	*	1	1225	150	11690.	*	1	1825	222	5831.	
1	0030	7	1919.	*	1	0630	79	2057.	*	1	1230	151	12510.	*	1	1830	223	5797.	
1	0035	8	1919.	*	1	0635	80	2058.	*	1	1235	152	13211.	*	1	1835	224	5766.	
1	0040	9	1919.	*	1	0640	81	2058.	*	1	1240	153	13960.	*	1	1840	225	5735.	
1	0045	10	1919.	*	1	0645	82	2059.	*	1	1245	154	14751.	*	1	1845	226	5706.	
1	0050	11	1919.	*	1	0650	83	2059.	*	1	1250	155	15454.	*	1	1850	227	5678.	
1	0055	12	1919.	*	1	0655	84	2061.	*	1	1255	156	15990.	*	1	1855	228	5650.	
1	0100	13	1919.	*	1	0700	85	2061.	*	1	1300	157	16348.	*	1	1900	229	5624.	
1	0105	14	1919.	*	1	0705	86	2062.	*	1	1305	158	16473.	*	1	1905	230	5598.	
1	0110	15	1919.	*	1	0710	87	2062.	*	1	1310	159	16348.	*	1	1910	231	5573.	
1	0115	16	1919.	*	1	0715	88	2063.	*	1	1315	160	16013.	*	1	1915	232	5550.	
1	0120	17	1919.	*	1	0720	89	2063.	*	1	1320	161	15522.	*	1	1920	233	5528.	
1	0125	18	1919.	*	1	0725	90	2064.	*	1	1325	162	14943.	*	1	1925	234	5507.	
1	0130	19	1919.	*	1	0730	91	2065.	*	1	1330	163	14317.	*	1	1930	235	5488.	
1	0135	20	1919.	*	1	0735	92	2066.	*	1	1335	164	13685.	*	1	1935	236	5470.	
1	0140	21	1919.	*	1	0740	93	2066.	*	1	1340	165	13098.	*	1	1940	237	5452.	
1	0145	22	1920.	*	1	0745	94	2067.	*	1	1345	166	12633.	*	1	1945	238	5436.	
1	0150	23	1921.	*	1	0750	95	2067.	*	1	1350	167	12366.	*	1	1950	239	5417.	
1	0155	24	1924.	*	1	0755	96	2068.	*	1	1355	168	12284.	*	1	1955	240	5400.	